Student Questionnaire – Question 1a

Q1a What <grade> are you in?
<grade>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	7 % (SE)	8 % (SE)	9 % (SE)	10 % (SE)	11 % (SE)	12 % (SE)	13 % (SE)	Missing % (SE)
AUS	235591	.	235591	0.01 (.)	0.14 (.)	8.34 (0.40)	72.26 (0.70)	19.21 (0.67)	0.05 (.)	. (.)	. (.)
AUT	85931	.	85931	0.30 (.)	5.06 (0.91)	43.07 (1.47)	51.32 (1.55)	. (.)	. (.)	. (.)	0.25 (.)
BEL	111831	.	111831	0.33 (.)	3.67 (0.34)	29.52 (0.67)	65.21 (0.64)	0.85 (0.09)	. (.)	. (.)	0.42 (.)
CAN	330436	7.98	304083	0.57 (0.15)	2.47 (0.26)	13.74 (0.46)	82.03 (0.58)	1.17 (0.12)	0.00 (.)	. (.)	0.01 (.)
CZE	121183	.	121183	0.15 (.)	2.82 (0.34)	44.67 (1.14)	52.36 (1.14)	. (.)	. (.)	. (.)	. (.)
DNK	51741	.	51741	0.07 (.)	9.09 (0.58)	86.94 (0.85)	3.83 (0.65)	0.05 (.)	. (.)	. (.)	0.02 (.)
FIN	57884	.	57884	0.26 (.)	12.43 (0.51)	87.31 (0.51)	. (.)	. (.)	. (.)	. (.)	. (.)
FRA	734579	.	734579	0.20 (.)	5.37 (0.57)	34.86 (1.17)	57.29 (1.11)	2.23 (0.30)	0.05 (.)	. (.)	. (.)
DEU	884358	2.71	860370	1.70 (0.27)	14.95 (0.79)	59.79 (0.74)	23.19 (0.57)	0.12 (.)	. (.)	. (.)	0.25 (.)
GRC	105131	.	105131	0.22 (.)	2.09 (0.37)	6.55 (0.99)	76.13 (1.41)	15.01 (0.90)	. (.)	. (.)	. (.)
HUN	107044	.	107044	1.08 (0.21)	5.00 (0.47)	65.13 (0.71)	28.76 (0.62)	0.02 (.)	. (.)	. (.)	. (.)
ISL	3928	.	3928	. (.)	. (.)	. (.)	100.0 (0.00)	. (.)	. (.)	. (.)	. (.)
IRL	54850	.	54850	0.02 (.)	2.78 (0.32)	60.87 (1.31)	16.68 (1.35)	19.65 (1.36)	. (.)	. (.)	. (.)
ITA	481521	.	481521	0.18 (.)	1.38 (0.36)	14.20 (0.60)	79.95 (0.82)	4.28 (0.48)	. (.)	. (.)	. (.)
JPN	1240054	.	1240054	. (.)	. (.)	. (.)	100.0 (0.00)	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	. (.)	. (.)	1.57 (0.23)	98.33 (0.23)	0.10 (.)	. (.)	. (.)	. (.)
LUX	4080	.	4080	. (.)	14.85 (0.22)	55.79 (0.25)	29.25 (0.18)	0.10 (.)	. (.)	. (.)	. (.)
MEX	1071650	2.05	1049700	3.62 (0.49)	10.95 (0.96)	40.76 (2.38)	43.69 (2.81)	0.93 (0.49)	0.04 (.)	. (.)	. (.)
NLD	184943	.	184943	0.14 (.)	4.44 (0.56)	45.60 (1.14)	49.31 (1.31)	0.47 (.)	0.02 (.)	. (.)	0.03 (.)
NZL	48638	.	48638	. (.)	0.06 (.)	6.78 (0.48)	89.24 (0.51)	3.73 (0.24)	0.02 (.)	. (.)	0.16 (.)
NOR	52816	.	52816	. (.)	. (.)	0.62 (.)	98.68 (0.25)	0.69 (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	0.72 (0.16)	3.07 (0.32)	95.70 (0.42)	0.51 (.)	. (.)	. (.)	. (.)	. (.)
PRT	96857	.	96857	4.25 (0.64)	10.58 (0.90)	20.26 (1.62)	64.32 (2.39)	0.58 (.)	. (.)	. (.)	. (.)
SVK	77067	.	77067	0.58 (0.22)	0.92 (0.23)	37.10 (1.56)	60.93 (1.54)	0.46 (0.22)	. (.)	. (.)	. (.)
ESP	344372	.	344372	0.03 (.)	3.18 (0.36)	27.03 (0.85)	69.73 (1.01)	0.02 (.)	. (.)	. (.)	. (.)
SWE	107104	.	107104	0.03 (.)	2.36 (0.21)	93.00 (0.97)	4.61 (0.93)	. (.)	. (.)	. (.)	. (.)
CHE	86491	.	86491	0.75 (0.16)	16.87 (1.01)	62.68 (2.06)	19.34 (2.50)	0.18 (.)	. (.)	. (.)	0.18 (.)
TUR	481279	.	481279	0.84 (.)	4.39 (1.60)	3.20 (0.67)	52.12 (2.18)	39.19 (2.37)	0.25 (.)	. (.)	. (.)
GBR	698579	.	698579	. (.)	. (.)	0.02 (.)	33.81 (1.10)	63.56 (1.08)	2.61 (0.08)	. (.)	. (.)
USA	3147089	.	3147089	0.28 (.)	2.40 (0.61)	29.70 (1.42)	60.61 (1.35)	6.98 (0.89)	. (.)	. (.)	0.04 (.)
TOT	.	0.60	.	0.68 (0.08)	4.09 (0.22)	29.27 (0.50)	57.58 (0.52)	8.17 (0.28)	0.17 (0.01)	. (.)	0.04 (0.01)
AVG	.	0.42	.	0.54 (0.04)	4.70 (0.11)	35.86 (0.25)	52.74 (0.26)	6.01 (0.13)	0.10 (0.00)	. (.)	0.05 (0.01)
HKG	72484	.	72484	5.12 (0.37)	10.75 (0.80)	25.70 (0.95)	58.36 (0.98)	0.08 (.)	. (.)	. (.)	. (.)
IDN	1971476	.	1971476	2.40 (0.35)	12.68 (0.80)	48.78 (1.69)	34.51 (1.91)	1.57 (0.21)	0.07 (.)	. (.)	. (.)
LVA	33643	.	33643	1.04 (0.16)	16.14 (0.86)	73.14 (2.08)	5.85 (0.56)	0.12 (.)	. (.)	. (.)	3.70 (2.49)
LIE	338	.	338	0.61 (.)	20.37 (1.00)	71.26 (0.94)	7.75 (.)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	12.30 (0.50)	25.88 (0.72)	36.82 (0.74)	24.66 (0.60)	0.34 (.)	. (.)	. (.)	. (.)
RUS	2153373	.	2153373	0.35 (.)	2.60 (0.34)	28.71 (1.92)	67.23 (2.18)	1.10 (0.18)	. (.)	. (.)	. (.)
YUG	68596	.	68596	. (.)	. (.)	97.60 (0.35)	2.40 (0.35)	. (.)	. (.)	. (.)	. (.)
THA	637076	.	637076	0.18 (.)	1.09 (0.39)	44.06 (1.20)	53.26 (1.24)	1.41 (0.26)	. (.)	. (.)	. (.)
TUN	150875	.	150875	15.39 (0.55)	21.99 (0.70)	25.15 (0.86)	34.52 (1.38)	2.94 (0.24)	. (.)	. (.)	. (.)
URY	33775	.	33775	5.67 (0.62)	9.67 (0.84)	18.22 (1.23)	59.36 (1.74)	7.09 (1.03)	. (.)	. (.)	. (.)

Student Questionnaire – Question 1a

Q1a What <grade> are you in?

<grade>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	7 mean (SE)	8 mean (SE)	9 mean (SE)	10 mean (SE)	11 mean (SE)	12 mean (SE)	13 mean (SE)	Missing mean (SE)
AUS	235591	.	235591	. (.)	. (.)	467 (4.46)	524 (2.59)	556 (3.18)	. (.)	. (.)	. (.)
AUT	85931	.	85931	. (.)	381 (11.21)	490 (3.29)	505 (4.85)	. (.)	. (.)	. (.)	. (.)
BEL	111831	.	111831	. (.)	344 (10.32)	439 (4.20)	548 (1.99)	609 (10.56)	. (.)	. (.)	. (.)
CAN	330436	7.98	304083	353 (15.20)	428 (6.60)	486 (2.94)	541 (1.67)	567 (9.31)	. (.)	. (.)	. (.)
CZE	121183	.	121183	. (.)	369 (13.98)	473 (5.31)	509 (3.71)	. (.)	. (.)	. (.)	. (.)
DNK	51741	.	51741	. (.)	432 (6.34)	496 (2.96)	555 (10.00)	. (.)	. (.)	. (.)	. (.)
FIN	57884	.	57884	. (.)	506 (4.81)	549 (1.66)	. (.)	. (.)	. (.)	. (.)	. (.)
FRA	734579	.	734579	. (.)	383 (8.43)	437 (4.86)	539 (2.86)	592 (7.90)	. (.)	. (.)	. (.)
DEU	884358	2.71	860370	344 (15.32)	405 (5.88)	494 (3.07)	556 (3.48)	. (.)	. (.)	. (.)	. (.)
GRC	105131	.	105131	. (.)	379 (12.45)	400 (8.71)	478 (4.47)	492 (6.11)	. (.)	. (.)	. (.)
HUN	107044	.	107044	344 (16.94)	408 (6.33)	479 (2.76)	506 (3.24)	. (.)	. (.)	. (.)	. (.)
ISL	3928	.	3928	. (.)	. (.)	. (.)	492 (1.56)	. (.)	. (.)	. (.)	. (.)
IRL	54850	.	54850	. (.)	407 (10.05)	503 (3.23)	562 (4.48)	531 (4.36)	. (.)	. (.)	. (.)
ITA	481521	.	481521	. (.)	347 (23.99)	410 (4.60)	488 (2.85)	508 (8.19)	. (.)	. (.)	. (.)
JPN	1240054	.	1240054	. (.)	. (.)	. (.)	498 (3.92)	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	. (.)	. (.)	520 (14.02)	534 (3.13)	. (.)	. (.)	. (.)	. (.)
LUX	4080	.	4080	. (.)	428 (3.53)	462 (1.85)	539 (2.30)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	2.05	1049700	292 (8.67)	333 (5.62)	383 (7.97)	440 (1.79)	474 (9.73)	. (.)	. (.)	. (.)
NLD	184943	.	184943	. (.)	429 (9.57)	485 (3.71)	546 (2.63)	. (.)	. (.)	. (.)	. (.)
NZL	48638	.	48638	. (.)	. (.)	447 (6.58)	525 (2.47)	585 (9.10)	. (.)	. (.)	. (.)
NOR	52816	.	52816	. (.)	. (.)	. (.)	500 (2.75)	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	277 (26.83)	366 (11.09)	502 (2.52)	. (.)	. (.)	. (.)	. (.)	. (.)
PRT	96857	.	96857	326 (7.51)	373 (4.53)	428 (3.85)	519 (2.39)	. (.)	. (.)	. (.)	. (.)
SVK	77067	.	77067	287 (21.77)	337 (14.41)	462 (4.16)	476 (4.37)	601 (10.06)	. (.)	. (.)	. (.)
ESP	344372	.	344372	. (.)	342 (11.06)	422 (3.58)	510 (2.49)	. (.)	. (.)	. (.)	. (.)
SWE	107104	.	107104	. (.)	388 (8.62)	515 (2.19)	569 (14.04)	. (.)	. (.)	. (.)	. (.)
CHE	86491	.	86491	380 (15.98)	435 (4.56)	507 (2.72)	534 (13.71)	. (.)	. (.)	. (.)	. (.)
TUR	481279	.	481279	. (.)	333 (11.58)	441 (13.51)	446 (7.81)	449 (5.08)	. (.)	. (.)	. (.)
GBR	698579	.	698579	. (.)	. (.)	. (.)	495 (3.71)	512 (2.84)	537 (3.42)	. (.)	. (.)
USA	3147089	.	3147089	. (.)	378 (9.47)	468 (4.34)	511 (3.11)	524 (7.39)	. (.)	. (.)	. (.)
TOT	.	0.60	.	315 (6.94)	377 (2.98)	466 (1.63)	506 (1.24)	506 (2.86)	533 (4.95)	. (.)	395 (26.54)
AVG	.	0.42	.	320 (4.16)	404 (2.20)	484 (0.81)	510 (0.78)	508 (2.08)	532 (5.58)	. (.)	348 (51.68)
HKG	72484	.	72484	439 (8.90)	471 (6.37)	499 (3.60)	527 (3.73)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	.	1971476	321 (9.15)	339 (5.17)	371 (3.33)	414 (6.15)	428 (10.36)	. (.)	. (.)	. (.)
LVA	33643	.	33643	375 (15.43)	449 (5.14)	498 (3.58)	539 (7.68)	. (.)	. (.)	. (.)	474 (27.23)
LIE	338	.	338	. (.)	466 (9.02)	534 (4.08)	. (.)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	431 (6.52)	468 (3.74)	512 (4.45)	540 (3.86)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	.	2153373	. (.)	367 (11.70)	423 (2.89)	453 (5.64)	494 (14.30)	. (.)	. (.)	. (.)
YUG	68596	.	68596	. (.)	. (.)	411 (3.53)	461 (12.30)	. (.)	. (.)	. (.)	. (.)
THA	637076	.	637076	. (.)	349 (16.72)	398 (3.84)	437 (3.59)	510 (11.77)	. (.)	. (.)	. (.)
TUN	150875	.	150875	284 (4.11)	331 (3.65)	370 (3.99)	438 (4.05)	470 (9.70)	. (.)	. (.)	. (.)
URY	33775	.	33775	294 (7.76)	338 (6.37)	375 (6.19)	474 (2.74)	499 (8.48)	. (.)	. (.)	. (.)

Student Questionnaire – Question 1a

Q1a What <grade> are you in?
<grade>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	7 mean (SE)	8 mean (SE)	9 mean (SE)	10 mean (SE)	11 mean (SE)	12 mean (SE)	13 mean (SE)	Missing mean (SE)
AUS	235591	.	235591	. (.)	. (.)	466 (4.19)	522 (2.49)	560 (2.87)	. (.)	. (.)	. (.)
AUT	85931	.	85931	. (.)	406 (8.42)	502 (2.92)	520 (4.33)	. (.)	. (.)	. (.)	. (.)
BEL	111831	.	111831	. (.)	369 (8.28)	457 (3.53)	571 (2.13)	640 (10.79)	. (.)	. (.)	. (.)
CAN	330436	7.98	304083	365 (14.18)	432 (5.25)	493 (2.94)	546 (1.72)	581 (8.14)	. (.)	. (.)	. (.)
CZE	121183	.	121183	. (.)	400 (11.02)	502 (5.29)	535 (3.82)	. (.)	. (.)	. (.)	. (.)
DNK	51741	.	51741	. (.)	452 (5.75)	519 (2.90)	560 (12.37)	. (.)	. (.)	. (.)	. (.)
FIN	57884	.	57884	. (.)	499 (4.65)	551 (1.88)	. (.)	. (.)	. (.)	. (.)	. (.)
FRA	734579	.	734579	. (.)	397 (7.26)	454 (4.14)	553 (2.66)	612 (8.81)	. (.)	. (.)	. (.)
DEU	884358	2.71	860370	362 (13.07)	419 (4.96)	505 (3.11)	566 (3.59)	. (.)	. (.)	. (.)	. (.)
GRC	105131	.	105131	. (.)	354 (10.67)	379 (7.95)	450 (4.34)	465 (5.15)	. (.)	. (.)	. (.)
HUN	107044	.	107044	346 (13.89)	402 (7.34)	485 (3.16)	521 (3.55)	. (.)	. (.)	. (.)	. (.)
ISL	3928	.	3928	. (.)	. (.)	. (.)	515 (1.42)	. (.)	. (.)	. (.)	. (.)
IRL	54850	.	54850	. (.)	407 (9.58)	492 (2.97)	543 (4.56)	515 (5.32)	. (.)	. (.)	. (.)
ITA	481521	.	481521	. (.)	326 (29.65)	407 (4.14)	478 (2.88)	486 (8.59)	. (.)	. (.)	. (.)
JPN	1240054	.	1240054	. (.)	. (.)	. (.)	534 (4.02)	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	. (.)	. (.)	532 (12.34)	542 (3.29)	. (.)	. (.)	. (.)	. (.)
LUX	4080	.	4080	. (.)	444 (3.07)	474 (1.51)	554 (2.25)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	2.05	1049700	286 (7.25)	327 (4.99)	369 (7.08)	421 (2.12)	456 (7.77)	. (.)	. (.)	. (.)
NLD	184943	.	184943	. (.)	441 (9.27)	507 (4.02)	575 (2.94)	. (.)	. (.)	. (.)	. (.)
NZL	48638	.	48638	. (.)	. (.)	456 (6.14)	526 (2.27)	582 (7.99)	. (.)	. (.)	. (.)
NOR	52816	.	52816	. (.)	. (.)	. (.)	495 (2.38)	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	306 (19.94)	381 (8.67)	495 (2.18)	. (.)	. (.)	. (.)	. (.)	. (.)
PRT	96857	.	96857	330 (6.43)	374 (3.33)	417 (3.92)	504 (2.13)	. (.)	. (.)	. (.)	. (.)
SVK	77067	.	77067	295 (17.67)	364 (18.84)	489 (4.38)	507 (4.59)	643 (11.46)	. (.)	. (.)	. (.)
ESP	344372	.	344372	. (.)	352 (7.43)	428 (2.89)	513 (2.44)	. (.)	. (.)	. (.)	. (.)
SWE	107104	.	107104	. (.)	407 (8.76)	509 (2.22)	563 (17.21)	. (.)	. (.)	. (.)	. (.)
CHE	86491	.	86491	406 (14.29)	450 (4.24)	535 (3.39)	570 (11.79)	. (.)	. (.)	. (.)	. (.)
TUR	481279	.	481279	. (.)	318 (12.73)	422 (16.85)	428 (8.88)	433 (6.34)	. (.)	. (.)	. (.)
GBR	698579	.	698579	. (.)	. (.)	. (.)	497 (3.67)	513 (2.59)	534 (3.24)	. (.)	. (.)
USA	3147089	.	3147089	. (.)	380 (12.48)	458 (3.60)	497 (2.95)	507 (7.18)	. (.)	. (.)	. (.)
TOT	.	0.60	.	314 (5.49)	382 (3.38)	466 (1.47)	509 (1.20)	499 (2.85)	530 (4.70)	. (.)	450 (18.82)
AVG	.	0.42	.	326 (3.87)	413 (2.13)	491 (0.87)	516 (0.76)	501 (2.29)	531 (5.53)	. (.)	423 (25.37)
HKG	72484	.	72484	448 (8.78)	493 (7.12)	538 (4.02)	575 (4.59)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	.	1971476	301 (8.75)	315 (4.97)	348 (3.73)	395 (7.76)	413 (13.03)	. (.)	. (.)	. (.)
LVA	33643	.	33643	348 (10.97)	431 (4.09)	491 (3.54)	536 (7.60)	. (.)	. (.)	. (.)	504 (25.66)
LIE	338	.	338	. (.)	463 (8.79)	546 (4.56)	. (.)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	444 (8.89)	486 (5.00)	546 (4.86)	583 (6.64)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	.	2153373	. (.)	383 (9.60)	450 (3.75)	480 (5.68)	527 (13.94)	. (.)	. (.)	. (.)
YUG	68596	.	68596	. (.)	. (.)	436 (3.73)	492 (14.71)	. (.)	. (.)	. (.)	. (.)
THA	637076	.	637076	. (.)	351 (14.34)	395 (3.92)	434 (3.64)	523 (15.81)	. (.)	. (.)	. (.)
TUN	150875	.	150875	282 (2.68)	317 (2.54)	348 (2.99)	420 (4.27)	443 (9.82)	. (.)	. (.)	. (.)
URY	33775	.	33775	298 (5.64)	328 (4.01)	369 (4.58)	458 (3.02)	489 (5.43)	. (.)	. (.)	. (.)

Student Questionnaire – Question 1a

Q1a What <grade> are you in?
<grade>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	7 mean (SE)	8 mean (SE)	9 mean (SE)	10 mean (SE)	11 mean (SE)	12 mean (SE)	13 mean (SE)	Missing mean (SE)
AUS	235591	.	235591	. (.)	. (.)	470 (4.64)	523 (2.51)	557 (3.10)	. (.)	. (.)	. (.)
AUT	85931	.	85931	. (.)	388 (8.37)	488 (3.13)	505 (4.71)	. (.)	. (.)	. (.)	. (.)
BEL	111831	.	111831	. (.)	362 (8.17)	442 (3.54)	547 (2.23)	615 (11.27)	. (.)	. (.)	. (.)
CAN	330436	7.98	304083	320 (17.19)	404 (5.23)	474 (3.33)	534 (1.91)	574 (9.87)	. (.)	. (.)	. (.)
CZE	121183	.	121183	. (.)	410 (12.24)	508 (4.66)	543 (3.76)	. (.)	. (.)	. (.)	. (.)
DNK	51741	.	51741	. (.)	423 (6.48)	479 (3.18)	517 (12.23)	. (.)	. (.)	. (.)	. (.)
FIN	57884	.	57884	. (.)	502 (4.78)	555 (1.96)	. (.)	. (.)	. (.)	. (.)	. (.)
FRA	734579	.	734579	. (.)	380 (8.58)	441 (5.28)	562 (3.17)	624 (9.82)	. (.)	. (.)	. (.)
DEU	884358	2.71	860370	356 (15.45)	418 (5.69)	506 (3.38)	565 (3.88)	. (.)	. (.)	. (.)	. (.)
GRC	105131	.	105131	. (.)	406 (10.27)	420 (7.17)	484 (4.08)	506 (5.78)	. (.)	. (.)	. (.)
HUN	107044	.	107044	363 (14.49)	405 (7.21)	500 (3.11)	532 (3.80)	. (.)	. (.)	. (.)	. (.)
ISL	3928	.	3928	. (.)	. (.)	. (.)	495 (1.47)	. (.)	. (.)	. (.)	. (.)
IRL	54850	.	54850	. (.)	401 (10.00)	494 (3.30)	549 (4.71)	519 (5.23)	. (.)	. (.)	. (.)
ITA	481521	.	481521	. (.)	312 (26.44)	424 (4.55)	500 (2.93)	511 (8.59)	. (.)	. (.)	. (.)
JPN	1240054	.	1240054	. (.)	. (.)	. (.)	548 (4.14)	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	. (.)	. (.)	524 (13.12)	539 (3.60)	. (.)	. (.)	. (.)	. (.)
LUX	4080	.	4080	. (.)	429 (3.50)	464 (2.17)	545 (2.40)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	2.05	1049700	326 (7.78)	355 (5.09)	391 (6.80)	435 (2.00)	468 (7.95)	. (.)	. (.)	. (.)
NLD	184943	.	184943	. (.)	435 (9.59)	493 (4.16)	561 (3.08)	. (.)	. (.)	. (.)	. (.)
NZL	48638	.	48638	. (.)	. (.)	452 (6.08)	523 (2.39)	584 (9.19)	. (.)	. (.)	. (.)
NOR	52816	.	52816	. (.)	. (.)	. (.)	484 (2.91)	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	322 (17.04)	384 (9.41)	502 (2.61)	. (.)	. (.)	. (.)	. (.)	. (.)
PRT	96857	.	96857	333 (7.44)	374 (4.34)	419 (3.92)	506 (2.51)	. (.)	. (.)	. (.)	. (.)
SVK	77067	.	77067	288 (25.35)	312 (31.59)	486 (5.08)	504 (4.45)	635 (12.97)	. (.)	. (.)	. (.)
ESP	344372	.	344372	. (.)	348 (9.29)	426 (3.64)	517 (2.56)	. (.)	. (.)	. (.)	. (.)
SWE	107104	.	107104	. (.)	403 (8.94)	506 (2.35)	558 (17.64)	. (.)	. (.)	. (.)	. (.)
CHE	86491	.	86491	413 (16.47)	442 (4.86)	520 (3.57)	557 (13.32)	. (.)	. (.)	. (.)	. (.)
TUR	481279	.	481279	. (.)	345 (12.89)	426 (13.89)	440 (7.88)	440 (5.46)	. (.)	. (.)	. (.)
GBR	698579	.	698579	. (.)	. (.)	. (.)	505 (4.00)	524 (2.83)	543 (4.01)	. (.)	. (.)
USA	3147089	.	3147089	. (.)	393 (14.16)	470 (4.06)	503 (3.19)	513 (7.74)	. (.)	. (.)	. (.)
TOT	.	0.60	.	338 (6.52)	389 (3.55)	471 (1.49)	516 (1.29)	509 (2.85)	539 (5.41)	. (.)	469 (45.36)
AVG	.	0.42	.	337 (4.19)	410 (2.00)	488 (0.84)	517 (0.80)	511 (2.26)	539 (5.95)	. (.)	408 (25.38)
HKG	72484	.	72484	453 (8.87)	488 (7.68)	529 (3.84)	561 (4.32)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	.	1971476	350 (7.62)	359 (4.80)	386 (3.14)	423 (6.04)	428 (11.68)	. (.)	. (.)	. (.)
LVA	33643	.	33643	381 (13.06)	443 (4.51)	496 (3.70)	537 (7.30)	. (.)	. (.)	. (.)	511 (30.45)
LIE	338	.	338	. (.)	453 (9.55)	537 (5.21)	. (.)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	453 (7.20)	486 (5.64)	541 (6.25)	575 (6.35)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	.	2153373	. (.)	413 (10.80)	473 (3.62)	499 (5.67)	544 (14.88)	. (.)	. (.)	. (.)
YUG	68596	.	68596	. (.)	. (.)	435 (3.43)	493 (15.10)	. (.)	. (.)	. (.)	. (.)
THA	637076	.	637076	. (.)	359 (15.13)	407 (3.08)	447 (3.59)	528 (13.76)	. (.)	. (.)	. (.)
TUN	150875	.	150875	308 (3.59)	343 (3.14)	378 (3.26)	444 (4.20)	462 (10.17)	. (.)	. (.)	. (.)
URY	33775	.	33775	322 (5.68)	354 (6.48)	387 (5.46)	473 (3.09)	494 (6.48)	. (.)	. (.)	. (.)

Student Questionnaire – Question 1a

Q1a What <grade> are you in?

<grade>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	7 mean (SE)	8 mean (SE)	9 mean (SE)	10 mean (SE)	11 mean (SE)	12 mean (SE)	mean9	Missing mean (SE)
AUS	235591	.	235591	. (.)	. (.)	473 (4.79)	528 (2.37)	562 (2.65)	. (.)	. (.)	. (.)
AUT	85931	.	85931	. (.)	416 (9.03)	502 (2.70)	521 (4.20)	. (.)	. (.)	. (.)	. (.)
BEL	111831	.	111831	. (.)	381 (8.02)	457 (3.11)	565 (1.97)	630 (9.83)	. (.)	. (.)	. (.)
CAN	330436	7.98	304083	364 (12.76)	429 (6.80)	490 (3.00)	543 (1.66)	575 (8.13)	. (.)	. (.)	. (.)
CZE	121183	.	121183	. (.)	405 (11.80)	499 (5.23)	537 (3.55)	. (.)	. (.)	. (.)	. (.)
DNK	51741	.	51741	. (.)	461 (5.73)	521 (2.69)	549 (12.15)	. (.)	. (.)	. (.)	. (.)
FIN	57884	.	57884	. (.)	515 (4.65)	553 (1.92)	. (.)	. (.)	. (.)	. (.)	. (.)
FRA	734579	.	734579	. (.)	406 (8.06)	461 (4.58)	562 (2.71)	623 (8.07)	. (.)	. (.)	. (.)
DEU	884358	2.71	860370	385 (11.34)	438 (4.92)	516 (2.96)	569 (3.38)	. (.)	. (.)	. (.)	. (.)
GRC	105131	.	105131	. (.)	353 (12.75)	380 (8.28)	453 (4.43)	472 (5.78)	. (.)	. (.)	. (.)
HUN	107044	.	107044	358 (13.82)	417 (6.66)	496 (3.07)	531 (3.76)	. (.)	. (.)	. (.)	. (.)
ISL	3928	.	3928	. (.)	. (.)	. (.)	505 (1.38)	. (.)	. (.)	. (.)	. (.)
IRL	54850	.	54850	. (.)	415 (8.52)	487 (2.79)	542 (4.08)	508 (4.25)	. (.)	. (.)	. (.)
ITA	481521	.	481521	. (.)	303 (35.59)	399 (4.93)	484 (2.90)	503 (8.50)	. (.)	. (.)	. (.)
JPN	1240054	.	1240054	. (.)	. (.)	. (.)	547 (4.05)	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	. (.)	. (.)	531 (11.09)	551 (3.11)	. (.)	. (.)	. (.)	. (.)
LUX	4080	.	4080	. (.)	446 (3.87)	476 (1.93)	552 (2.05)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	2.05	1049700	272 (10.09)	321 (6.04)	366 (8.27)	423 (2.49)	465 (13.68)	. (.)	. (.)	. (.)
NLD	184943	.	184943	. (.)	434 (7.83)	492 (3.57)	553 (2.96)	. (.)	. (.)	. (.)	. (.)
NZL	48638	.	48638	. (.)	. (.)	469 (5.99)	535 (2.23)	588 (8.27)	. (.)	. (.)	. (.)
NOR	52816	.	52816	. (.)	. (.)	. (.)	490 (2.61)	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	305 (23.63)	370 (11.89)	491 (2.43)	. (.)	. (.)	. (.)	. (.)	. (.)
PRT	96857	.	96857	326 (8.30)	370 (4.21)	415 (4.67)	512 (2.23)	. (.)	. (.)	. (.)	. (.)
SVK	77067	.	77067	274 (16.37)	368 (20.89)	481 (4.28)	501 (4.60)	631 (11.15)	. (.)	. (.)	. (.)
ESP	344372	.	344372	. (.)	347 (9.40)	423 (3.42)	511 (2.64)	. (.)	. (.)	. (.)	. (.)
SWE	107104	.	107104	. (.)	430 (11.15)	509 (2.20)	549 (14.58)	. (.)	. (.)	. (.)	. (.)
CHE	86491	.	86491	417 (15.06)	460 (4.13)	527 (3.15)	561 (10.75)	. (.)	. (.)	. (.)	. (.)
TUR	481279	.	481279	. (.)	296 (12.72)	403 (14.97)	411 (7.91)	418 (5.25)	. (.)	. (.)	. (.)
GBR	698579	.	698579	. (.)	. (.)	. (.)	502 (3.69)	514 (2.58)	528 (3.18)	. (.)	. (.)
USA	3147089	.	3147089	. (.)	366 (10.61)	450 (4.18)	492 (3.03)	508 (7.00)	. (.)	. (.)	. (.)
TOT	.	0.60	.	311 (7.00)	383 (3.74)	464 (1.61)	511 (1.23)	498 (2.82)	524 (4.73)	. (.)	458 (26.12)
AVG	.	0.42	.	325 (4.63)	418 (2.59)	490 (0.88)	516 (0.77)	498 (2.19)	524 (5.54)	. (.)	388 (31.59)
HKG	72484	.	72484	437 (8.78)	485 (6.36)	533 (3.93)	576 (4.21)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	.	1971476	306 (7.04)	321 (4.20)	350 (2.96)	394 (6.67)	417 (11.41)	. (.)	. (.)	. (.)
LVA	33643	.	33643	348 (12.97)	433 (5.27)	491 (3.84)	531 (7.74)	. (.)	. (.)	. (.)	491 (26.90)
LIE	338	.	338	. (.)	466 (8.52)	537 (4.35)	. (.)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	448 (7.51)	494 (4.68)	554 (5.11)	583 (5.03)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	.	2153373	. (.)	394 (10.44)	452 (3.86)	493 (6.45)	555 (14.33)	. (.)	. (.)	. (.)
YUG	68596	.	68596	. (.)	. (.)	419 (3.29)	487 (13.73)	. (.)	. (.)	. (.)	. (.)
THA	637076	.	637076	. (.)	357 (19.52)	401 (3.84)	443 (3.49)	523 (16.01)	. (.)	. (.)	. (.)
TUN	150875	.	150875	265 (3.28)	308 (2.67)	340 (2.72)	400 (3.33)	430 (7.66)	. (.)	. (.)	. (.)
URY	33775	.	33775	290 (9.02)	312 (5.01)	352 (5.55)	448 (3.63)	475 (6.34)	. (.)	. (.)	. (.)

Student Questionnaire – Question 3

Q3 Are you <female> or <male>?

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Female % (SE)	Male % (SE)	Missing % (SE)
AUS	235591	.	235591	49.17 (1.31)	50.83 (1.31)	. (.)
AUT	85931	.	85931	49.90 (1.56)	50.10 (1.56)	. (.)
BEL	111831	.	111831	47.86 (1.36)	52.14 (1.36)	. (.)
CAN	330436	.	330436	46.64 (0.64)	45.39 (0.67)	7.98 (0.63)
CZE	121183	.	121183	49.34 (1.72)	50.66 (1.72)	. (.)
DNK	51741	.	51741	50.91 (0.81)	49.09 (0.81)	. (.)
FIN	57884	.	57884	50.14 (0.72)	49.86 (0.72)	. (.)
FRA	734579	.	734579	52.60 (1.35)	47.40 (1.35)	. (.)
DEU	884358	.	884358	49.15 (1.05)	49.82 (1.03)	1.03 (0.31)
GRC	105131	.	105131	51.70 (1.19)	48.28 (1.19)	0.01 (.)
HUN	107044	.	107044	47.25 (1.58)	52.75 (1.58)	. (.)
ISL	3928	.	3928	48.37 (0.82)	51.63 (0.82)	. (.)
IRL	54850	.	54850	49.61 (0.91)	50.39 (0.91)	. (.)
ITA	481521	.	481521	51.90 (1.71)	48.10 (1.71)	. (.)
JPN	1240054	.	1240054	51.69 (2.27)	48.29 (2.27)	0.02 (.)
KOR	533504	.	533504	40.53 (3.00)	59.47 (3.00)	. (.)
LUX	4080	.	4080	50.79 (0.58)	49.21 (0.58)	. (.)
MEX	1071650	.	1071650	51.85 (0.99)	48.15 (0.99)	0.00 (.)
NLD	184943	.	184943	49.01 (1.19)	50.99 (1.19)	. (.)
NZL	48638	.	48638	50.00 (1.98)	49.98 (1.98)	0.02 (.)
NOR	52816	.	52816	49.59 (0.82)	50.41 (0.82)	. (.)
POL	534900	.	534900	50.13 (0.72)	49.87 (0.72)	. (.)
PRT	96857	.	96857	52.42 (0.90)	47.58 (0.90)	. (.)
SVK	77067	.	77067	48.80 (1.71)	51.20 (1.71)	. (.)
ESP	344372	.	344372	50.80 (1.09)	49.19 (1.09)	0.01 (.)
SWE	107104	.	107104	49.95 (0.90)	50.05 (0.90)	. (.)
CHE	86491	.	86491	48.26 (1.62)	51.74 (1.62)	. (.)
TUR	481279	.	481279	44.99 (1.95)	55.01 (1.95)	. (.)
GBR	698579	.	698579	53.20 (1.46)	46.80 (1.46)	. (.)
USA	3147089	.	3147089	49.58 (0.82)	50.40 (0.82)	0.01 (.)
TOT	.	.	.	49.84 (0.39)	49.86 (0.39)	0.30 (0.03)
AVG	.	.	.	49.54 (0.27)	50.16 (0.27)	0.30 (0.02)
HKG	72484	.	72484	49.82 (2.36)	50.18 (2.36)	. (.)
IDN	1971476	.	1971476	50.36 (1.36)	49.64 (1.36)	0.00 (.)
LVA	33643	.	33643	52.05 (1.22)	47.95 (1.22)	. (.)
LIE	338	.	338	48.71 (2.77)	51.29 (2.77)	. (.)
MAC	6546	.	6546	51.39 (1.53)	48.61 (1.53)	. (.)
RUS	2153373	.	2153373	50.33 (1.32)	49.67 (1.32)	. (.)
YUG	68596	.	68596	50.57 (2.33)	49.43 (2.33)	. (.)
THA	637076	.	637076	54.93 (1.31)	45.07 (1.31)	. (.)
TUN	150875	.	150875	50.73 (0.76)	49.27 (0.76)	. (.)
URY	33775	.	33775	51.22 (1.18)	48.78 (1.18)	. (.)

Student Questionnaire – Question 3

Q3 Are you <female> or <male>?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Female mean (SE)	Male mean (SE)	Missing mean (SE)
AUS	235591	.	235591	545 (2.55)	506 (2.84)	. (.)
AUT	85931	.	85931	514 (4.21)	467 (4.54)	. (.)
BEL	111831	.	111831	526 (3.30)	489 (3.76)	. (.)
CAN	330436	.	330436	546 (1.82)	514 (2.05)	504 (5.34)
CZE	121183	.	121183	504 (4.42)	473 (4.11)	. (.)
DNK	51741	.	51741	505 (2.98)	479 (3.31)	. (.)
FIN	57884	.	57884	565 (1.97)	521 (2.21)	. (.)
FRA	734579	.	734579	514 (3.18)	476 (3.79)	. (.)
DEU	884358	.	884358	513 (3.91)	471 (4.23)	456 (26.59)
GRC	105131	.	105131	490 (3.96)	453 (5.10)	. (.)
HUN	107044	.	107044	498 (3.05)	467 (3.16)	. (.)
ISL	3928	.	3928	522 (2.22)	464 (2.33)	. (.)
IRL	54850	.	54850	530 (3.71)	501 (3.26)	. (.)
ITA	481521	.	481521	495 (3.40)	455 (5.06)	. (.)
JPN	1240054	.	1240054	509 (4.07)	487 (5.48)	. (.)
KOR	533504	.	533504	547 (4.27)	525 (3.69)	. (.)
LUX	4080	.	4080	496 (1.84)	463 (2.60)	. (.)
MEX	1071650	.	1071650	410 (4.57)	389 (4.56)	. (.)
NLD	184943	.	184943	524 (3.20)	503 (3.66)	. (.)
NZL	48638	.	48638	535 (3.29)	508 (3.13)	. (.)
NOR	52816	.	52816	525 (3.38)	475 (3.36)	. (.)
POL	534900	.	534900	516 (3.19)	477 (3.55)	. (.)
PRT	96857	.	96857	495 (3.72)	459 (4.28)	. (.)
SVK	77067	.	77067	486 (3.32)	453 (3.82)	. (.)
ESP	344372	.	344372	500 (2.48)	461 (3.78)	. (.)
SWE	107104	.	107104	533 (2.89)	496 (2.81)	. (.)
CHE	86491	.	86491	517 (3.10)	482 (4.37)	. (.)
TUR	481279	.	481279	459 (6.12)	426 (6.80)	. (.)
GBR	698579	.	698579	520 (3.62)	492 (3.07)	. (.)
USA	3147089	.	3147089	511 (3.55)	479 (3.66)	. (.)
TOT	.	.	.	503 (1.33)	472 (1.35)	492 (9.46)
AVG	.	.	.	511 (0.72)	477 (0.73)	498 (6.19)
HKG	72484	.	72484	525 (3.49)	494 (5.31)	. (.)
IDN	1971476	.	1971476	394 (3.92)	369 (3.35)	. (.)
LVA	33643	.	33643	509 (3.66)	470 (4.51)	. (.)
LIE	338	.	338	534 (6.54)	517 (7.24)	. (.)
MAC	6546	.	6546	504 (2.75)	491 (3.62)	. (.)
RUS	2153373	.	2153373	456 (3.69)	428 (4.73)	. (.)
YUG	68596	.	68596	433 (3.91)	390 (3.66)	. (.)
THA	637076	.	637076	439 (3.01)	396 (3.72)	. (.)
TUN	150875	.	150875	387 (3.27)	362 (3.31)	. (.)
URY	33775	.	33775	453 (3.72)	414 (4.50)	. (.)

Student Questionnaire – Question 3

Q3 Are you <female> or <male>?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Female mean (SE)	Male mean (SE)	Missing mean (SE)
AUS	235591	.	235591	522 (2.69)	527 (3.01)	. (.)
AUT	85931	.	85931	502 (3.96)	509 (3.95)	. (.)
BEL	111831	.	111831	525 (3.23)	533 (3.40)	. (.)
CAN	330436	.	330436	530 (1.88)	541 (2.05)	502 (5.61)
CZE	121183	.	121183	509 (4.37)	524 (4.27)	. (.)
DNK	51741	.	51741	506 (2.98)	523 (3.38)	. (.)
FIN	57884	.	57884	541 (2.11)	548 (2.46)	. (.)
FRA	734579	.	734579	507 (2.92)	515 (3.55)	. (.)
DEU	884358	.	884358	499 (3.93)	508 (3.98)	462 (29.33)
GRC	105131	.	105131	436 (3.85)	455 (4.75)	. (.)
HUN	107044	.	107044	486 (3.31)	494 (3.33)	. (.)
ISL	3928	.	3928	523 (2.17)	508 (2.28)	. (.)
IRL	54850	.	54850	495 (3.39)	510 (3.01)	. (.)
ITA	481521	.	481521	457 (3.84)	475 (4.56)	. (.)
JPN	1240054	.	1240054	530 (3.97)	539 (5.81)	. (.)
KOR	533504	.	533504	528 (5.35)	552 (4.36)	. (.)
LUX	4080	.	4080	485 (1.53)	502 (1.86)	. (.)
MEX	1071650	.	1071650	380 (4.07)	391 (4.27)	. (.)
NLD	184943	.	184943	535 (3.48)	540 (4.08)	. (.)
NZL	48638	.	48638	516 (3.20)	531 (2.77)	. (.)
NOR	52816	.	52816	492 (2.87)	498 (2.85)	. (.)
POL	534900	.	534900	487 (2.95)	493 (2.97)	. (.)
PRT	96857	.	96857	460 (3.44)	472 (4.18)	. (.)
SVK	77067	.	77067	489 (3.59)	507 (3.90)	. (.)
ESP	344372	.	344372	481 (2.19)	490 (3.38)	. (.)
SWE	107104	.	107104	506 (3.09)	512 (2.98)	. (.)
CHE	86491	.	86491	518 (3.65)	535 (4.74)	. (.)
TUR	481279	.	481279	415 (6.67)	430 (7.88)	. (.)
GBR	698579	.	698579	505 (3.88)	512 (2.90)	. (.)
USA	3147089	.	3147089	480 (3.24)	486 (3.33)	. (.)
TOT	.	.	.	484 (1.25)	494 (1.32)	492 (9.52)
AVG	.	.	.	494 (0.76)	506 (0.75)	497 (6.20)
HKG	72484	.	72484	548 (4.56)	552 (6.52)	. (.)
IDN	1971476	.	1971476	358 (4.57)	362 (3.92)	. (.)
LVA	33643	.	33643	482 (3.56)	485 (4.79)	. (.)
LIE	338	.	338	521 (6.28)	550 (7.23)	. (.)
MAC	6546	.	6546	517 (3.28)	538 (4.82)	. (.)
RUS	2153373	.	2153373	463 (4.21)	473 (5.27)	. (.)
YUG	68596	.	68596	436 (4.45)	437 (4.24)	. (.)
THA	637076	.	637076	419 (3.39)	415 (3.96)	. (.)
TUN	150875	.	150875	353 (2.93)	365 (2.74)	. (.)
URY	33775	.	33775	416 (3.84)	428 (3.95)	. (.)

Student Questionnaire – Question 3

Q3 Are you <female> or <male>?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Female mean (SE)	Male mean (SE)	Missing mean (SE)
AUS	235591	.	235591	525 (2.78)	525 (2.91)	. (.)
AUT	85931	.	85931	492 (4.18)	490 (4.28)	. (.)
BEL	111831	.	111831	509 (3.48)	509 (3.57)	. (.)
CAN	330436	.	330436	516 (2.22)	527 (2.30)	484 (6.02)
CZE	121183	.	121183	520 (4.07)	526 (4.25)	. (.)
DNK	51741	.	51741	467 (3.16)	484 (3.59)	. (.)
FIN	57884	.	57884	551 (2.17)	545 (2.55)	. (.)
FRA	734579	.	734579	511 (3.54)	511 (4.14)	. (.)
DEU	884358	.	884358	500 (4.19)	506 (4.47)	454 (31.02)
GRC	105131	.	105131	475 (3.93)	487 (4.78)	. (.)
HUN	107044	.	107044	504 (3.35)	503 (3.31)	. (.)
ISL	3928	.	3928	500 (2.42)	490 (2.37)	. (.)
IRL	54850	.	54850	504 (3.88)	506 (3.08)	. (.)
ITA	481521	.	481521	484 (3.63)	490 (5.16)	. (.)
JPN	1240054	.	1240054	546 (4.10)	550 (6.00)	. (.)
KOR	533504	.	533504	527 (5.51)	546 (4.73)	. (.)
LUX	4080	.	4080	477 (1.88)	489 (2.53)	. (.)
MEX	1071650	.	1071650	400 (4.23)	410 (3.87)	. (.)
NLD	184943	.	184943	522 (3.65)	527 (4.16)	. (.)
NZL	48638	.	48638	513 (3.36)	529 (2.96)	. (.)
NOR	52816	.	52816	483 (3.33)	485 (3.45)	. (.)
POL	534900	.	534900	494 (3.37)	501 (3.24)	. (.)
PRT	96857	.	96857	465 (3.64)	471 (4.01)	. (.)
SVK	77067	.	77067	487 (3.92)	502 (4.28)	. (.)
ESP	344372	.	344372	485 (2.59)	489 (3.85)	. (.)
SWE	107104	.	107104	504 (3.46)	509 (3.07)	. (.)
CHE	86491	.	86491	508 (3.94)	518 (4.99)	. (.)
TUR	481279	.	481279	434 (6.42)	434 (6.66)	. (.)
GBR	698579	.	698579	517 (3.98)	520 (3.14)	. (.)
USA	3147089	.	3147089	489 (3.52)	494 (3.45)	. (.)
TOT	.	.	.	493 (1.30)	499 (1.32)	477 (9.86)
AVG	.	.	.	497 (0.75)	503 (0.74)	481 (6.60)
HKG	72484	.	72484	541 (4.19)	538 (6.05)	. (.)
IDN	1971476	.	1971476	394 (3.84)	396 (3.07)	. (.)
LVA	33643	.	33643	491 (3.90)	487 (5.11)	. (.)
LIE	338	.	338	512 (7.32)	538 (7.72)	. (.)
MAC	6546	.	6546	521 (4.04)	529 (5.02)	. (.)
RUS	2153373	.	2153373	485 (3.97)	494 (5.35)	. (.)
YUG	68596	.	68596	439 (4.22)	434 (3.69)	. (.)
THA	637076	.	637076	433 (3.13)	425 (3.73)	. (.)
TUN	150875	.	150875	390 (2.99)	380 (2.75)	. (.)
URY	33775	.	33775	436 (3.59)	441 (3.71)	. (.)

Student Questionnaire – Question 3

Q3 Are you <female> or <male>?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Female mean (SE)	Male mean (SE)	Missing mean (SE)
AUS	235591	.	235591	533 (2.48)	527 (2.68)	. (.)
AUT	85931	.	85931	508 (3.75)	505 (3.92)	. (.)
BEL	111831	.	111831	527 (3.15)	524 (3.14)	. (.)
CAN	330436	.	330436	532 (1.82)	533 (2.01)	493 (5.19)
CZE	121183	.	121183	513 (4.34)	520 (4.10)	. (.)
DNK	51741	.	51741	514 (2.93)	519 (3.08)	. (.)
FIN	57884	.	57884	553 (2.25)	543 (2.54)	. (.)
FRA	734579	.	734579	520 (2.93)	519 (3.81)	. (.)
DEU	884358	.	884358	517 (3.67)	511 (3.87)	475 (27.77)
GRC	105131	.	105131	448 (4.11)	449 (4.94)	. (.)
HUN	107044	.	107044	503 (3.39)	499 (3.43)	. (.)
ISL	3928	.	3928	520 (2.49)	490 (2.25)	. (.)
IRL	54850	.	54850	498 (3.46)	499 (2.78)	. (.)
ITA	481521	.	481521	471 (3.54)	467 (5.04)	. (.)
JPN	1240054	.	1240054	548 (4.07)	546 (5.74)	. (.)
KOR	533504	.	533504	546 (4.82)	554 (3.99)	. (.)
LUX	4080	.	4080	492 (1.85)	495 (2.41)	. (.)
MEX	1071650	.	1071650	382 (4.67)	387 (5.04)	. (.)
NLD	184943	.	184943	518 (3.58)	522 (3.60)	. (.)
NZL	48638	.	48638	534 (3.11)	531 (2.65)	. (.)
NOR	52816	.	52816	494 (3.24)	486 (3.08)	. (.)
POL	534900	.	534900	487 (3.00)	486 (3.37)	. (.)
PRT	96857	.	96857	470 (3.90)	470 (4.58)	. (.)
SVK	77067	.	77067	488 (3.56)	495 (4.07)	. (.)
ESP	344372	.	344372	485 (2.59)	479 (3.64)	. (.)
SWE	107104	.	107104	514 (2.83)	504 (2.96)	. (.)
CHE	86491	.	86491	523 (3.29)	520 (3.98)	. (.)
TUR	481279	.	481279	406 (5.84)	408 (7.31)	. (.)
GBR	698579	.	698579	514 (3.50)	506 (2.97)	. (.)
USA	3147089	.	3147089	478 (3.50)	477 (3.44)	. (.)
TOT	.	.	.	490 (1.33)	489 (1.41)	489 (8.69)
AVG	.	.	.	501 (0.77)	499 (0.76)	491 (5.89)
HKG	72484	.	72484	550 (4.05)	545 (6.16)	. (.)
IDN	1971476	.	1971476	365 (4.03)	358 (3.15)	. (.)
LVA	33643	.	33643	484 (3.98)	481 (5.07)	. (.)
LIE	338	.	338	524 (5.92)	535 (6.65)	. (.)
MAC	6546	.	6546	527 (3.20)	538 (4.25)	. (.)
RUS	2153373	.	2153373	477 (4.37)	480 (5.92)	. (.)
YUG	68596	.	68596	424 (3.92)	416 (3.81)	. (.)
THA	637076	.	637076	431 (3.07)	418 (3.87)	. (.)
TUN	150875	.	150875	343 (2.45)	346 (2.50)	. (.)
URY	33775	.	33775	409 (4.21)	412 (4.59)	. (.)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Mother

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234809	92.25	(0.25)	7.05	(0.25)	0.70	(0.09)
AUT	85931	1.08	85003	95.73	(0.34)	3.97	(0.34)	0.31	(.)
BEL	111831	1.82	109800	93.06	(0.33)	5.75	(0.30)	1.19	(0.15)
CAN	330436	9.70	298375	92.17	(0.31)	7.05	(0.30)	0.77	(0.07)
CZE	121183	4.06	116258	96.53	(0.27)	3.26	(0.25)	0.21	(.)
DNK	51741	0.65	51406	89.80	(0.51)	6.46	(0.44)	3.74	(0.32)
FIN	57884	0.07	57845	93.15	(0.41)	5.42	(0.35)	1.43	(0.19)
FRA	734579	0.87	728167	91.72	(0.51)	5.74	(0.42)	2.55	(0.25)
DEU	884358	5.57	835070	94.60	(0.31)	4.31	(0.29)	1.09	(0.16)
GRC	105131	0.13	104991	83.90	(1.48)	6.63	(0.52)	9.47	(1.47)
HUN	107044	0.06	106984	93.99	(0.38)	5.30	(0.34)	0.71	(0.15)
ISL	3928	0.63	3903	94.54	(0.44)	4.86	(0.38)	0.59	(.)
IRL	54850	1.03	54285	95.20	(0.37)	3.74	(0.31)	1.06	(0.21)
ITA	481521	0.44	479421	93.80	(0.32)	5.02	(0.26)	1.18	(0.17)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	89.51	(0.53)	9.95	(0.51)	0.54	(.)
LUX	4080	0.11	4076	92.85	(0.39)	5.66	(0.36)	1.49	(0.20)
MEX	1071650	0.37	1067674	89.91	(0.55)	8.29	(0.51)	1.80	(0.32)
NLD	184943	3.09	179228	94.90	(0.46)	4.29	(0.37)	0.81	(.)
NZL	48638	0.69	48300	89.41	(0.55)	10.09	(0.55)	0.50	(.)
NOR	52816	0.77	52407	89.04	(0.54)	8.33	(0.45)	2.63	(0.32)
POL	534900	.	534900	97.43	(0.25)	2.44	(0.24)	0.13	(.)
PRT	96857	0.25	96616	90.78	(0.57)	6.28	(0.45)	2.94	(0.35)
SVK	77067	0.34	76803	95.73	(0.34)	2.87	(0.25)	1.40	(0.19)
ESP	344372	0.07	344114	96.23	(0.29)	3.00	(0.27)	0.77	(0.15)
SWE	107104	0.25	106836	90.39	(0.46)	8.09	(0.44)	1.53	(0.19)
CHE	86491	0.14	86370	94.64	(0.40)	4.25	(0.33)	1.11	(0.16)
TUR	481279	0.03	481137	89.46	(0.91)	9.01	(0.93)	1.53	(0.21)
GBR	698579	3.61	673362	92.94	(0.42)	6.52	(0.39)	0.55	(0.13)
USA	3147089	0.76	3123066	86.28	(0.56)	11.36	(0.56)	2.36	(0.27)
TOT	.	11.60	.	90.71	(0.20)	7.67	(0.19)	1.62	(0.10)
AVG	.	4.56	.	92.40	(0.10)	6.04	(0.08)	1.56	(0.07)
HKG	72484	0.21	72334	92.22	(0.39)	7.32	(0.36)	0.46	(.)
IDN	1971476	.	1971476	90.52	(0.61)	8.88	(0.55)	0.59	(0.15)
LVA	33643	0.22	33570	91.71	(0.65)	7.77	(0.62)	0.52	(.)
LIE	338	.	338	94.58	(1.17)	5.42	(.)	.	(.)
MAC	6546	.	6546	91.83	(0.88)	8.17	(0.88)	.	(.)
RUS	2153373	0.05	2152200	93.28	(1.20)	5.06	(0.31)	1.66	(1.22)
YUG	68596	0.53	68233	92.20	(0.63)	5.38	(0.43)	2.42	(0.49)
THA	637076	.	637076	82.15	(0.79)	16.66	(0.75)	1.19	(0.17)
TUN	150875	0.09	150739	93.63	(0.89)	2.89	(0.26)	3.48	(0.88)
URY	33775	0.15	33724	91.93	(0.47)	7.60	(0.47)	0.47	(0.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Mother

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	529 (2.02)	485 (5.86)	467 (13.83)
AUT	85931	1.08	85003	494 (3.57)	469 (8.75)	. (.)
BEL	111831	1.82	109800	514 (2.59)	463 (7.77)	430 (16.41)
CAN	330436	9.70	298375	534 (1.55)	500 (4.48)	508 (9.45)
CZE	121183	4.06	116258	497 (2.80)	480 (7.91)	. (.)
DNK	51741	0.65	51406	496 (2.79)	457 (6.63)	475 (9.89)
FIN	57884	0.07	57845	544 (1.66)	526 (5.74)	569 (11.34)
FRA	734579	0.87	728167	500 (2.59)	468 (7.90)	474 (12.28)
DEU	884358	5.57	835070	503 (3.43)	488 (10.31)	395 (13.01)
GRC	105131	0.13	104991	475 (4.11)	434 (8.71)	476 (11.53)
HUN	107044	0.06	106984	484 (2.46)	449 (7.66)	418 (22.82)
ISL	3928	0.63	3903	494 (1.58)	463 (9.83)	. (.)
IRL	54850	1.03	54285	517 (2.67)	475 (7.91)	498 (20.49)
ITA	481521	0.44	479421	478 (2.92)	443 (8.49)	419 (16.92)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	538 (3.06)	502 (5.77)	. (.)
LUX	4080	0.11	4076	482 (1.62)	456 (7.56)	401 (15.59)
MEX	1071650	0.37	1067674	402 (4.16)	394 (7.50)	336 (14.06)
NLD	184943	3.09	179228	519 (2.69)	497 (7.93)	. (.)
NZL	48638	0.69	48300	528 (2.42)	475 (5.76)	. (.)
NOR	52816	0.77	52407	503 (2.83)	477 (7.10)	474 (15.05)
POL	534900	.	534900	497 (2.84)	472 (10.47)	. (.)
PRT	96857	0.25	96616	480 (3.61)	446 (9.91)	488 (9.08)
SVK	77067	0.34	76803	471 (3.16)	435 (9.29)	415 (11.63)
ESP	344372	0.07	344114	481 (2.68)	456 (10.12)	482 (19.30)
SWE	107104	0.25	106836	518 (2.39)	481 (6.59)	496 (15.48)
CHE	86491	0.14	86370	501 (3.37)	470 (7.71)	433 (18.94)
TUR	481279	0.03	481137	444 (5.85)	418 (8.19)	393 (18.55)
GBR	698579	3.61	673362	509 (2.69)	483 (6.16)	420 (24.09)
USA	3147089	0.76	3123066	502 (3.14)	450 (5.84)	471 (13.69)
TOT	.	11.60	.	491 (1.23)	454 (3.07)	447 (7.25)
AVG	.	4.56	.	498 (0.63)	465 (1.76)	459 (4.12)
HKG	72484	0.21	72334	513 (3.57)	479 (8.36)	. (.)
IDN	1971476	.	1971476	382 (3.45)	378 (5.25)	305 (20.27)
LVA	33643	0.22	33570	493 (3.76)	470 (7.02)	. (.)
LIE	338	.	338	526 (3.99)	. (.)	. (.)
MAC	6546	.	6546	499 (2.19)	488 (9.11)	. (.)
RUS	2153373	0.05	2152200	445 (3.66)	424 (8.17)	360 (16.52)
YUG	68596	0.53	68233	413 (3.55)	407 (7.07)	397 (13.77)
THA	637076	.	637076	421 (3.04)	414 (3.43)	391 (12.87)
TUN	150875	0.09	150739	378 (2.93)	344 (11.03)	313 (9.89)
URY	33775	0.15	33724	437 (3.55)	401 (7.64)	385 (25.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Mother

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	528 (2.14)	490 (4.48)	478 (12.54)
AUT	85931	1.08	85003	509 (3.22)	479 (8.05)	. (.)
BEL	111831	1.82	109800	537 (2.36)	484 (5.99)	458 (14.10)
CAN	330436	9.70	298375	538 (1.61)	509 (4.27)	516 (8.80)
CZE	121183	4.06	116258	523 (3.25)	508 (8.81)	. (.)
DNK	51741	0.65	51406	518 (2.70)	476 (6.93)	505 (8.94)
FIN	57884	0.07	57845	545 (1.86)	534 (5.94)	534 (8.85)
FRA	734579	0.87	728167	514 (2.43)	483 (6.96)	488 (9.62)
DEU	884358	5.57	835070	513 (3.40)	499 (10.18)	419 (11.36)
GRC	105131	0.13	104991	448 (3.95)	415 (7.84)	440 (9.77)
HUN	107044	0.06	106984	493 (2.86)	455 (7.70)	418 (22.34)
ISL	3928	0.63	3903	517 (1.44)	488 (7.51)	. (.)
IRL	54850	1.03	54285	504 (2.51)	469 (7.30)	471 (19.04)
ITA	481521	0.44	479421	468 (3.05)	443 (7.25)	421 (13.41)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	547 (3.27)	502 (6.03)	. (.)
LUX	4080	0.11	4076	495 (1.09)	467 (6.52)	458 (13.74)
MEX	1071650	0.37	1067674	387 (3.66)	374 (7.66)	335 (8.47)
NLD	184943	3.09	179228	544 (2.85)	521 (7.86)	. (.)
NZL	48638	0.69	48300	530 (2.14)	476 (6.49)	. (.)
NOR	52816	0.77	52407	498 (2.45)	475 (5.60)	474 (13.07)
POL	534900	.	534900	491 (2.49)	470 (10.50)	. (.)
PRT	96857	0.25	96616	468 (3.24)	439 (9.66)	478 (8.31)
SVK	77067	0.34	76803	500 (3.32)	459 (9.75)	443 (10.64)
ESP	344372	0.07	344114	486 (2.49)	468 (8.07)	464 (15.61)
SWE	107104	0.25	106836	512 (2.50)	481 (5.51)	477 (15.45)
CHE	86491	0.14	86370	528 (3.46)	498 (8.25)	480 (17.57)
TUR	481279	0.03	481137	426 (6.95)	402 (8.33)	377 (16.31)
GBR	698579	3.61	673362	510 (2.58)	487 (6.20)	440 (23.41)
USA	3147089	0.76	3123066	489 (2.88)	445 (5.17)	451 (14.03)
TOT	.	11.60	.	488 (1.11)	451 (2.79)	440 (6.74)
AVG	.	4.56	.	502 (0.63)	468 (1.68)	457 (3.16)
HKG	72484	0.21	72334	553 (4.49)	526 (7.39)	. (.)
IDN	1971476	.	1971476	361 (3.97)	356 (5.91)	293 (16.55)
LVA	33643	0.22	33570	486 (3.77)	463 (5.64)	. (.)
LIE	338	.	338	537 (4.28)	. (.)	. (.)
MAC	6546	.	6546	529 (2.91)	505 (11.01)	. (.)
RUS	2153373	0.05	2152200	471 (3.98)	456 (6.22)	364 (14.98)
YUG	68596	0.53	68233	438 (3.69)	417 (8.25)	434 (14.54)
THA	637076	.	637076	420 (3.09)	409 (4.57)	356 (12.14)
TUN	150875	0.09	150739	362 (2.63)	333 (7.89)	305 (7.39)
URY	33775	0.15	33724	425 (3.36)	393 (6.20)	385 (25.10)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Mother

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	529 (2.06)	486 (4.62)	464 (13.42)
AUT	85931	1.08	85003	494 (3.44)	474 (8.42)	. (.)
BEL	111831	1.82	109800	515 (2.50)	468 (6.41)	433 (15.34)
CAN	330436	9.70	298375	525 (1.80)	492 (5.26)	497 (11.16)
CZE	121183	4.06	116258	529 (3.13)	511 (9.12)	. (.)
DNK	51741	0.65	51406	478 (2.90)	444 (7.45)	483 (9.98)
FIN	57884	0.07	57845	549 (1.95)	535 (6.07)	552 (10.80)
FRA	734579	0.87	728167	515 (3.00)	476 (8.99)	499 (12.64)
DEU	884358	5.57	835070	513 (3.64)	497 (10.96)	407 (12.66)
GRC	105131	0.13	104991	483 (3.88)	445 (7.37)	487 (10.65)
HUN	107044	0.06	106984	506 (2.82)	469 (8.21)	434 (23.54)
ISL	3928	0.63	3903	497 (1.48)	470 (8.63)	. (.)
IRL	54850	1.03	54285	506 (2.73)	469 (8.55)	498 (21.35)
ITA	481521	0.44	479421	488 (3.12)	466 (8.15)	450 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	543 (3.54)	502 (7.22)	. (.)
LUX	4080	0.11	4076	485 (1.62)	457 (7.78)	445 (15.55)
MEX	1071650	0.37	1067674	406 (3.40)	399 (7.45)	379 (16.03)
NLD	184943	3.09	179228	530 (3.10)	506 (8.37)	. (.)
NZL	48638	0.69	48300	527 (2.33)	473 (5.92)	. (.)
NOR	52816	0.77	52407	488 (2.92)	459 (6.45)	465 (14.49)
POL	534900	.	534900	498 (2.86)	497 (13.68)	. (.)
PRT	96857	0.25	96616	469 (3.39)	443 (9.61)	479 (8.97)
SVK	77067	0.34	76803	497 (3.71)	456 (11.26)	448 (14.71)
ESP	344372	0.07	344114	488 (2.70)	480 (8.94)	457 (23.58)
SWE	107104	0.25	106836	510 (2.69)	470 (6.49)	500 (15.93)
CHE	86491	0.14	86370	515 (3.78)	488 (9.11)	456 (18.01)
TUR	481279	0.03	481137	436 (6.02)	421 (8.24)	391 (16.18)
GBR	698579	3.61	673362	520 (2.75)	495 (6.69)	437 (26.45)
USA	3147089	0.76	3123066	498 (3.06)	453 (5.60)	461 (14.20)
TOT	.	11.60	.	494 (1.12)	459 (2.87)	452 (6.95)
AVG	.	4.56	.	501 (0.59)	469 (1.66)	468 (3.79)
HKG	72484	0.21	72334	542 (4.21)	515 (7.37)	. (.)
IDN	1971476	.	1971476	396 (3.25)	391 (5.08)	359 (15.17)
LVA	33643	0.22	33570	491 (3.94)	469 (7.43)	. (.)
LIE	338	.	338	525 (4.71)	. (.)	. (.)
MAC	6546	.	6546	527 (3.21)	493 (9.60)	. (.)
RUS	2153373	0.05	2152200	492 (3.94)	476 (8.25)	401 (17.90)
YUG	68596	0.53	68233	438 (3.56)	426 (6.86)	429 (14.25)
THA	637076	.	637076	433 (2.88)	415 (3.60)	367 (11.52)
TUN	150875	0.09	150739	387 (2.70)	374 (7.90)	342 (7.96)
URY	33775	0.15	33724	441 (2.99)	409 (7.76)	423 (29.15)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Mother

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	533 (1.96)	497 (4.55)	469 (12.60)
AUT	85931	1.08	85003	509 (3.11)	487 (8.42)	. (.)
BEL	111831	1.82	109800	532 (2.27)	480 (6.28)	471 (13.84)
CAN	330436	9.70	298375	536 (1.55)	504 (4.60)	514 (9.17)
CZE	121183	4.06	116258	523 (3.09)	508 (8.46)	. (.)
DNK	51741	0.65	51406	520 (2.49)	480 (7.45)	509 (8.87)
FIN	57884	0.07	57845	548 (1.88)	536 (5.87)	545 (10.92)
FRA	734579	0.87	728167	522 (2.58)	490 (7.42)	513 (9.83)
DEU	884358	5.57	835070	520 (3.36)	512 (9.68)	430 (10.94)
GRC	105131	0.13	104991	452 (4.12)	421 (7.86)	440 (10.89)
HUN	107044	0.06	106984	504 (2.86)	467 (7.80)	403 (23.03)
ISL	3928	0.63	3903	507 (1.38)	480 (7.41)	. (.)
IRL	54850	1.03	54285	499 (2.40)	473 (6.73)	462 (17.94)
ITA	481521	0.44	479421	471 (3.05)	446 (8.20)	442 (16.73)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	554 (3.06)	521 (6.06)	. (.)
LUX	4080	0.11	4076	495 (1.53)	470 (7.20)	467 (15.12)
MEX	1071650	0.37	1067674	387 (4.33)	373 (8.27)	328 (11.98)
NLD	184943	3.09	179228	525 (2.92)	500 (8.34)	. (.)
NZL	48638	0.69	48300	539 (2.12)	487 (5.88)	. (.)
NOR	52816	0.77	52407	493 (2.68)	467 (5.83)	460 (13.94)
POL	534900	.	534900	487 (2.76)	469 (10.01)	. (.)
PRT	96857	0.25	96616	472 (3.71)	439 (10.24)	486 (9.13)
SVK	77067	0.34	76803	494 (3.36)	454 (10.01)	425 (11.28)
ESP	344372	0.07	344114	483 (2.83)	466 (9.58)	462 (17.14)
SWE	107104	0.25	106836	512 (2.34)	484 (6.10)	481 (14.41)
CHE	86491	0.14	86370	524 (3.10)	488 (9.49)	459 (17.76)
TUR	481279	0.03	481137	410 (6.12)	393 (8.23)	356 (18.02)
GBR	698579	3.61	673362	512 (2.50)	486 (6.43)	439 (22.15)
USA	3147089	0.76	3123066	484 (3.00)	438 (5.97)	440 (13.42)
TOT	.	11.60	.	487 (1.19)	450 (3.06)	437 (6.94)
AVG	.	4.56	.	502 (0.63)	469 (1.80)	457 (3.56)
HKG	72484	0.21	72334	550 (4.18)	525 (6.40)	. (.)
IDN	1971476	.	1971476	362 (3.36)	360 (5.37)	320 (18.70)
LVA	33643	0.22	33570	485 (4.01)	459 (6.09)	. (.)
LIE	338	.	338	531 (4.10)	. (.)	. (.)
MAC	6546	.	6546	535 (2.56)	503 (11.95)	. (.)
RUS	2153373	0.05	2152200	482 (4.19)	464 (6.82)	346 (21.38)
YUG	68596	0.53	68233	422 (3.30)	397 (7.02)	428 (15.54)
THA	637076	.	637076	426 (2.95)	421 (4.07)	376 (14.86)
TUN	150875	0.09	150739	347 (2.22)	315 (9.13)	300 (6.48)
URY	33775	0.15	33724	414 (3.76)	373 (7.16)	355 (24.85)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Other female guardian (e.g., stepmother or foster mother)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234809	3.36	(0.16)	95.94	(0.18)	0.70	(0.09)
AUT	85931	1.08	85003	2.07	(0.24)	97.62	(0.26)	0.31	(.)
BEL	111831	1.82	109800	3.36	(0.20)	95.48	(0.24)	1.16	(0.15)
CAN	330436	9.70	298375	3.89	(0.21)	95.34	(0.23)	0.77	(0.07)
CZE	121183	4.06	116258	2.16	(0.21)	97.62	(0.22)	0.21	(.)
DNK	51741	0.65	51406	2.16	(0.23)	94.10	(0.37)	3.74	(0.32)
FIN	57884	0.07	57845	2.26	(0.21)	96.31	(0.29)	1.43	(0.19)
FRA	734579	0.87	728167	2.30	(0.38)	95.15	(0.44)	2.55	(0.25)
DEU	884358	5.57	835070	1.97	(0.20)	96.96	(0.24)	1.07	(0.16)
GRC	105131	0.13	104991	0.62	(.)	89.92	(1.48)	9.46	(1.47)
HUN	107044	0.06	106984	2.11	(0.19)	97.18	(0.27)	0.71	(0.15)
ISL	3928	0.63	3903	3.36	(0.31)	96.04	(0.36)	0.59	(.)
IRL	54850	1.03	54285	1.54	(0.21)	97.40	(0.28)	1.06	(0.21)
ITA	481521	0.44	479421	1.32	(0.16)	97.51	(0.22)	1.18	(0.17)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	1.13	(0.12)	98.33	(0.15)	0.54	(.)
LUX	4080	0.11	4076	2.37	(0.25)	96.06	(0.31)	1.57	(0.19)
MEX	1071650	0.37	1067674	2.73	(0.24)	95.47	(0.42)	1.80	(0.32)
NLD	184943	3.09	179228	1.94	(0.22)	97.25	(0.29)	0.81	(.)
NZL	48638	0.69	48300	4.17	(0.36)	95.35	(0.37)	0.48	(.)
NOR	52816	0.77	52407	2.88	(0.30)	94.49	(0.43)	2.63	(0.32)
POL	534900	.	534900	0.81	(0.13)	99.06	(0.14)	0.13	(.)
PRT	96857	0.25	96616	1.48	(0.20)	95.57	(0.39)	2.94	(0.35)
SVK	77067	0.34	76803	1.44	(0.20)	97.16	(0.29)	1.40	(0.19)
ESP	344372	0.07	344114	1.08	(0.15)	98.15	(0.21)	0.77	(0.15)
SWE	107104	0.25	106836	2.76	(0.27)	95.72	(0.30)	1.53	(0.19)
CHE	86491	0.14	86370	1.83	(0.20)	97.06	(0.28)	1.11	(0.16)
TUR	481279	0.03	481137	1.43	(0.20)	97.04	(0.32)	1.53	(0.21)
GBR	698579	3.61	673362	2.86	(0.32)	96.60	(0.33)	0.55	(0.13)
USA	3147089	0.76	3123066	5.08	(0.28)	92.56	(0.38)	2.36	(0.27)
TOT	.	11.60	.	2.96	(0.10)	95.43	(0.14)	1.62	(0.10)
AVG	.	4.56	.	2.29	(0.04)	96.15	(0.09)	1.56	(0.07)
HKG	72484	0.21	72334	1.35	(0.16)	98.19	(0.19)	0.46	(.)
IDN	1971476	.	1971476	4.30	(0.33)	95.12	(0.38)	0.58	(0.15)
LVA	33643	0.22	33570	3.17	(0.30)	96.31	(0.33)	0.52	(.)
LIE	338	.	338	0.59	(.)	99.41	(0.42)	.	(.)
MAC	6546	.	6546	1.93	(.)	98.07	(0.40)	.	(.)
RUS	2153373	0.05	2152200	2.12	(0.25)	96.23	(1.20)	1.66	(1.22)
YUG	68596	0.53	68233	1.91	(0.24)	95.67	(0.48)	2.42	(0.49)
THA	637076	.	637076	5.79	(0.38)	93.03	(0.41)	1.19	(0.17)
TUN	150875	0.09	150739	1.79	(0.21)	94.75	(0.87)	3.46	(0.88)
URY	33775	0.15	33724	2.85	(0.25)	96.68	(0.28)	0.47	(0.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Other female guardian (e.g., stepmother or foster mother)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	494 (9.13)	527 (2.01)	467 (13.83)
AUT	85931	1.08	85003	457 (12.66)	494 (3.52)	. (.)
BEL	111831	1.82	109800	472 (9.84)	513 (2.73)	428 (16.63)
CAN	330436	9.70	298375	503 (5.04)	533 (1.57)	508 (9.45)
CZE	121183	4.06	116258	476 (10.08)	497 (2.79)	. (.)
DNK	51741	0.65	51406	466 (9.58)	494 (2.82)	475 (9.89)
FIN	57884	0.07	57845	521 (10.32)	544 (1.64)	569 (11.34)
FRA	734579	0.87	728167	477 (12.91)	498 (2.60)	474 (12.28)
DEU	884358	5.57	835070	460 (11.61)	503 (3.47)	393 (12.99)
GRC	105131	0.13	104991	. (.)	472 (4.17)	477 (11.62)
HUN	107044	0.06	106984	442 (10.94)	483 (2.48)	418 (22.82)
ISL	3928	0.63	3903	455 (12.20)	494 (1.63)	. (.)
IRL	54850	1.03	54285	485 (15.41)	516 (2.63)	498 (20.49)
ITA	481521	0.44	479421	455 (15.75)	477 (2.94)	419 (16.92)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	510 (12.22)	535 (3.08)	. (.)
LUX	4080	0.11	4076	441 (11.61)	482 (1.50)	405 (14.46)
MEX	1071650	0.37	1067674	401 (12.99)	401 (4.15)	336 (14.06)
NLD	184943	3.09	179228	505 (10.78)	518 (2.73)	. (.)
NZL	48638	0.69	48300	499 (8.74)	524 (2.40)	. (.)
NOR	52816	0.77	52407	481 (13.12)	502 (2.83)	474 (15.05)
POL	534900	.	534900	473 (22.16)	497 (2.86)	. (.)
PRT	96857	0.25	96616	445 (14.26)	478 (3.74)	488 (9.08)
SVK	77067	0.34	76803	419 (16.43)	471 (3.05)	415 (11.63)
ESP	344372	0.07	344114	466 (14.64)	481 (2.63)	482 (19.30)
SWE	107104	0.25	106836	504 (8.00)	515 (2.43)	496 (15.48)
CHE	86491	0.14	86370	473 (14.11)	500 (3.31)	434 (18.81)
TUR	481279	0.03	481137	446 (16.64)	442 (5.73)	393 (18.55)
GBR	698579	3.61	673362	485 (10.28)	508 (2.70)	420 (24.09)
USA	3147089	0.76	3123066	478 (7.00)	497 (3.31)	471 (13.69)
TOT	.	11.60	.	471 (3.96)	489 (1.29)	447 (7.25)
AVG	.	4.56	.	474 (2.58)	496 (0.63)	459 (4.11)
HKG	72484	0.21	72334	501 (11.32)	511 (3.65)	. (.)
IDN	1971476	.	1971476	363 (7.31)	383 (3.35)	306 (20.69)
LVA	33643	0.22	33570	463 (9.22)	492 (3.71)	. (.)
LIE	338	.	338	. (.)	526 (3.65)	. (.)
MAC	6546	.	6546	. (.)	498 (2.22)	. (.)
RUS	2153373	0.05	2152200	426 (11.13)	444 (3.66)	360 (16.52)
YUG	68596	0.53	68233	414 (12.39)	413 (3.50)	397 (13.77)
THA	637076	.	637076	405 (5.45)	421 (2.85)	391 (12.87)
TUN	150875	0.09	150739	324 (14.68)	378 (2.91)	314 (9.86)
URY	33775	0.15	33724	411 (10.78)	435 (3.49)	385 (25.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Other female guardian (e.g., stepmother or foster mother)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	501 (7.60)	526 (2.12)	478 (12.54)
AUT	85931	1.08	85003	466 (11.93)	508 (3.18)	. (.)
BEL	111831	1.82	109800	493 (7.51)	535 (2.45)	456 (14.17)
CAN	330436	9.70	298375	507 (4.99)	537 (1.62)	516 (8.80)
CZE	121183	4.06	116258	504 (9.73)	523 (3.22)	. (.)
DNK	51741	0.65	51406	490 (9.17)	516 (2.80)	505 (8.94)
FIN	57884	0.07	57845	531 (8.53)	545 (1.84)	534 (8.85)
FRA	734579	0.87	728167	495 (12.70)	513 (2.43)	488 (9.62)
DEU	884358	5.57	835070	470 (11.37)	513 (3.43)	419 (11.69)
GRC	105131	0.13	104991	. (.)	446 (4.02)	440 (9.81)
HUN	107044	0.06	106984	446 (10.30)	491 (2.85)	418 (22.34)
ISL	3928	0.63	3903	478 (9.40)	517 (1.45)	. (.)
IRL	54850	1.03	54285	475 (15.68)	503 (2.45)	471 (19.04)
ITA	481521	0.44	479421	445 (15.82)	467 (3.03)	421 (13.41)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	522 (13.88)	543 (3.25)	. (.)
LUX	4080	0.11	4076	461 (10.61)	495 (1.00)	460 (13.25)
MEX	1071650	0.37	1067674	370 (11.03)	387 (3.70)	335 (8.47)
NLD	184943	3.09	179228	523 (11.22)	544 (2.86)	. (.)
NZL	48638	0.69	48300	493 (9.62)	526 (2.13)	. (.)
NOR	52816	0.77	52407	477 (11.11)	497 (2.43)	474 (13.07)
POL	534900	.	534900	455 (21.32)	491 (2.51)	. (.)
PRT	96857	0.25	96616	434 (14.30)	466 (3.40)	478 (8.31)
SVK	77067	0.34	76803	441 (19.23)	500 (3.24)	443 (10.64)
ESP	344372	0.07	344114	478 (11.82)	485 (2.46)	464 (15.61)
SWE	107104	0.25	106836	506 (8.27)	510 (2.51)	477 (15.45)
CHE	86491	0.14	86370	488 (14.04)	528 (3.38)	481 (17.43)
TUR	481279	0.03	481137	415 (22.28)	424 (6.67)	377 (16.31)
GBR	698579	3.61	673362	488 (9.75)	509 (2.59)	440 (23.41)
USA	3147089	0.76	3123066	471 (6.89)	485 (3.02)	451 (14.03)
TOT	.	11.60	.	467 (4.09)	486 (1.18)	440 (6.74)
AVG	.	4.56	.	478 (2.33)	501 (0.63)	457 (3.17)
HKG	72484	0.21	72334	546 (13.56)	551 (4.55)	. (.)
IDN	1971476	.	1971476	343 (7.65)	361 (3.91)	291 (17.00)
LVA	33643	0.22	33570	460 (8.82)	485 (3.69)	. (.)
LIE	338	.	338	. (.)	537 (4.13)	. (.)
MAC	6546	.	6546	. (.)	528 (2.96)	. (.)
RUS	2153373	0.05	2152200	455 (9.55)	470 (3.97)	364 (14.98)
YUG	68596	0.53	68233	430 (12.48)	437 (3.66)	434 (14.54)
THA	637076	.	637076	399 (6.09)	419 (3.01)	356 (12.14)
TUN	150875	0.09	150739	322 (12.63)	362 (2.62)	304 (7.50)
URY	33775	0.15	33724	407 (11.46)	423 (3.31)	385 (25.10)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Other female guardian (e.g., stepmother or foster mother)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	503 (7.44)	527 (2.04)	464 (13.42)
AUT	85931	1.08	85003	460 (13.93)	494 (3.38)	. (.)
BEL	111831	1.82	109800	475 (7.75)	514 (2.60)	431 (15.48)
CAN	330436	9.70	298375	496 (5.31)	524 (1.82)	497 (11.16)
CZE	121183	4.06	116258	503 (10.04)	529 (3.11)	. (.)
DNK	51741	0.65	51406	453 (10.98)	476 (3.00)	483 (9.98)
FIN	57884	0.07	57845	524 (9.42)	549 (1.89)	552 (10.80)
FRA	734579	0.87	728167	483 (16.28)	513 (3.01)	499 (12.64)
DEU	884358	5.57	835070	466 (13.55)	513 (3.67)	405 (13.05)
GRC	105131	0.13	104991	. (.)	481 (3.87)	488 (10.72)
HUN	107044	0.06	106984	466 (11.78)	505 (2.79)	434 (23.54)
ISL	3928	0.63	3903	465 (11.38)	496 (1.50)	. (.)
IRL	54850	1.03	54285	491 (17.08)	505 (2.68)	498 (21.35)
ITA	481521	0.44	479421	461 (20.77)	487 (3.07)	450 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	523 (16.00)	539 (3.53)	. (.)
LUX	4080	0.11	4076	447 (11.53)	484 (1.52)	446 (14.28)
MEX	1071650	0.37	1067674	403 (9.81)	406 (3.50)	379 (16.03)
NLD	184943	3.09	179228	507 (12.75)	529 (3.12)	. (.)
NZL	48638	0.69	48300	496 (9.56)	523 (2.29)	. (.)
NOR	52816	0.77	52407	462 (11.95)	486 (2.92)	465 (14.49)
POL	534900	.	534900	474 (23.26)	498 (2.87)	. (.)
PRT	96857	0.25	96616	435 (12.28)	468 (3.51)	479 (8.97)
SVK	77067	0.34	76803	440 (21.97)	497 (3.60)	448 (14.71)
ESP	344372	0.07	344114	484 (12.97)	487 (2.66)	457 (23.58)
SWE	107104	0.25	106836	490 (10.68)	507 (2.75)	500 (15.93)
CHE	86491	0.14	86370	490 (15.94)	514 (3.70)	456 (17.88)
TUR	481279	0.03	481137	452 (17.30)	435 (5.84)	391 (16.18)
GBR	698579	3.61	673362	496 (10.81)	519 (2.76)	437 (26.45)
USA	3147089	0.76	3123066	476 (7.62)	493 (3.13)	461 (14.20)
TOT	.	11.60	.	472 (4.06)	492 (1.17)	452 (6.96)
AVG	.	4.56	.	477 (2.41)	500 (0.60)	468 (3.79)
HKG	72484	0.21	72334	529 (13.89)	540 (4.31)	. (.)
IDN	1971476	.	1971476	380 (6.43)	396 (3.22)	358 (16.52)
LVA	33643	0.22	33570	472 (10.40)	490 (3.89)	. (.)
LIE	338	.	338	. (.)	526 (4.38)	. (.)
MAC	6546	.	6546	. (.)	526 (3.12)	. (.)
RUS	2153373	0.05	2152200	467 (12.12)	491 (3.90)	401 (17.90)
YUG	68596	0.53	68233	437 (12.68)	437 (3.45)	429 (14.25)
THA	637076	.	637076	408 (6.45)	431 (2.74)	367 (11.52)
TUN	150875	0.09	150739	365 (12.50)	387 (2.68)	342 (7.96)
URY	33775	0.15	33724	421 (11.28)	439 (2.95)	423 (29.15)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Other female guardian (e.g., stepmother or foster mother)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	508 (7.23)	531 (1.92)	469 (12.60)
AUT	85931	1.08	85003	472 (12.57)	509 (3.07)	. (.)
BEL	111831	1.82	109800	491 (7.89)	530 (2.36)	469 (13.86)
CAN	330436	9.70	298375	505 (5.28)	535 (1.58)	514 (9.17)
CZE	121183	4.06	116258	510 (9.46)	523 (3.07)	. (.)
DNK	51741	0.65	51406	493 (9.08)	518 (2.56)	509 (8.87)
FIN	57884	0.07	57845	536 (9.09)	548 (1.87)	545 (10.92)
FRA	734579	0.87	728167	501 (12.18)	521 (2.60)	513 (9.83)
DEU	884358	5.57	835070	486 (11.88)	521 (3.38)	429 (11.06)
GRC	105131	0.13	104991	. (.)	449 (4.14)	440 (10.97)
HUN	107044	0.06	106984	456 (10.51)	503 (2.86)	403 (23.03)
ISL	3928	0.63	3903	469 (10.47)	506 (1.42)	. (.)
IRL	54850	1.03	54285	485 (14.24)	499 (2.36)	462 (17.94)
ITA	481521	0.44	479421	453 (18.26)	470 (3.01)	442 (16.73)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	531 (12.29)	551 (3.06)	. (.)
LUX	4080	0.11	4076	463 (9.91)	495 (1.33)	471 (14.51)
MEX	1071650	0.37	1067674	377 (12.98)	386 (4.40)	328 (11.98)
NLD	184943	3.09	179228	499 (12.37)	524 (2.97)	. (.)
NZL	48638	0.69	48300	507 (9.25)	535 (2.11)	. (.)
NOR	52816	0.77	52407	465 (11.74)	492 (2.64)	460 (13.94)
POL	534900	.	534900	441 (26.14)	487 (2.77)	. (.)
PRT	96857	0.25	96616	433 (16.02)	470 (3.88)	486 (9.13)
SVK	77067	0.34	76803	439 (18.63)	494 (3.27)	425 (11.28)
ESP	344372	0.07	344114	474 (12.60)	483 (2.78)	462 (17.14)
SWE	107104	0.25	106836	504 (8.20)	509 (2.38)	481 (14.41)
CHE	86491	0.14	86370	481 (15.09)	523 (3.05)	460 (17.67)
TUR	481279	0.03	481137	421 (19.87)	408 (5.95)	356 (18.02)
GBR	698579	3.61	673362	492 (9.65)	511 (2.55)	439 (22.15)
USA	3147089	0.76	3123066	466 (7.45)	479 (3.21)	440 (13.42)
TOT	.	11.60	.	466 (4.35)	485 (1.27)	437 (6.95)
AVG	.	4.56	.	480 (2.45)	500 (0.65)	457 (3.58)
HKG	72484	0.21	72334	536 (13.14)	548 (4.20)	. (.)
IDN	1971476	.	1971476	345 (7.32)	362 (3.29)	320 (19.31)
LVA	33643	0.22	33570	461 (8.98)	484 (3.95)	. (.)
LIE	338	.	338	. (.)	530 (3.91)	. (.)
MAC	6546	.	6546	. (.)	533 (2.62)	. (.)
RUS	2153373	0.05	2152200	465 (12.52)	481 (4.17)	346 (21.38)
YUG	68596	0.53	68233	409 (12.22)	421 (3.24)	428 (15.54)
THA	637076	.	637076	409 (5.88)	427 (2.77)	376 (14.86)
TUN	150875	0.09	150739	312 (11.86)	347 (2.20)	301 (6.49)
URY	33775	0.15	33724	387 (12.30)	412 (3.72)	355 (24.85)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Father

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234809	74.26	(0.49)	25.04	(0.47)	0.70	(0.09)
AUT	85931	1.08	85003	78.80	(0.75)	20.89	(0.76)	0.31	(.)
BEL	111831	1.82	109800	76.35	(0.54)	22.49	(0.54)	1.16	(0.15)
CAN	330436	9.70	298375	75.87	(0.49)	23.36	(0.49)	0.77	(0.07)
CZE	121183	4.06	116258	77.17	(0.73)	22.60	(0.74)	0.22	(.)
DNK	51741	0.65	51406	69.10	(1.07)	27.16	(1.05)	3.74	(0.32)
FIN	57884	0.07	57845	73.70	(0.79)	24.87	(0.78)	1.43	(0.19)
FRA	734579	0.87	728167	72.25	(0.80)	25.20	(0.81)	2.55	(0.25)
DEU	884358	5.57	835070	77.57	(0.70)	21.21	(0.68)	1.22	(0.18)
GRC	105131	0.13	104991	67.38	(1.68)	23.07	(1.07)	9.55	(1.48)
HUN	107044	0.06	106984	74.56	(0.75)	24.73	(0.73)	0.71	(0.15)
ISL	3928	0.63	3903	74.75	(0.83)	24.65	(0.81)	0.59	(.)
IRL	54850	1.03	54285	81.66	(0.70)	17.27	(0.70)	1.06	(0.21)
ITA	481521	0.44	479421	81.04	(0.63)	17.78	(0.58)	1.18	(0.17)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	76.68	(0.72)	22.78	(0.70)	0.54	(.)
LUX	4080	0.11	4076	76.30	(0.63)	22.15	(0.56)	1.55	(0.20)
MEX	1071650	0.37	1067674	61.77	(1.03)	36.43	(0.99)	1.80	(0.32)
NLD	184943	3.09	179228	81.36	(0.90)	17.82	(0.82)	0.81	(.)
NZL	48638	0.69	48300	70.86	(0.91)	28.64	(0.89)	0.50	(.)
NOR	52816	0.77	52407	69.06	(0.81)	28.31	(0.79)	2.63	(0.32)
POL	534900	.	534900	86.95	(0.51)	12.92	(0.50)	0.13	(.)
PRT	96857	0.25	96616	77.71	(0.75)	19.35	(0.71)	2.94	(0.35)
SVK	77067	0.34	76803	83.48	(0.59)	15.12	(0.52)	1.40	(0.19)
ESP	344372	0.07	344114	82.41	(0.56)	16.82	(0.56)	0.77	(0.15)
SWE	107104	0.25	106836	72.10	(0.70)	26.37	(0.67)	1.53	(0.19)
CHE	86491	0.14	86370	76.05	(0.64)	22.83	(0.64)	1.12	(0.16)
TUR	481279	0.03	481137	62.33	(1.30)	36.14	(1.32)	1.53	(0.21)
GBR	698579	3.61	673362	69.38	(0.73)	30.07	(0.71)	0.55	(0.13)
USA	3147089	0.76	3123066	60.80	(1.04)	36.84	(1.06)	2.36	(0.27)
TOT	.	11.60	.	69.92	(0.33)	28.45	(0.33)	1.63	(0.10)
AVG	.	4.56	.	74.53	(0.18)	23.90	(0.16)	1.57	(0.07)
HKG	72484	0.21	72334	76.92	(0.71)	22.62	(0.70)	0.46	(.)
IDN	1971476	.	1971476	84.38	(0.72)	15.05	(0.68)	0.58	(0.15)
LVA	33643	0.22	33570	62.83	(1.17)	36.65	(1.17)	0.52	(.)
LIE	338	.	338	81.63	(2.37)	18.37	(2.37)	.	(.)
MAC	6546	.	6546	76.02	(1.23)	23.98	(1.23)	.	(.)
RUS	2153373	0.05	2152200	69.84	(1.09)	28.51	(0.73)	1.66	(1.22)
YUG	68596	0.53	68233	81.84	(0.78)	15.74	(0.63)	2.42	(0.49)
THA	637076	.	637076	68.80	(1.03)	30.02	(1.01)	1.19	(0.17)
TUN	150875	0.09	150739	87.98	(0.95)	8.56	(0.47)	3.46	(0.88)
URY	33775	0.15	33724	69.39	(0.76)	30.14	(0.76)	0.47	(0.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Father

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	532 (2.06)	508 (3.55)	467 (13.83)
AUT	85931	1.08	85003	493 (3.70)	497 (4.91)	. (.)
BEL	111831	1.82	109800	520 (2.68)	482 (4.21)	428 (16.67)
CAN	330436	9.70	298375	538 (1.65)	511 (2.20)	508 (9.45)
CZE	121183	4.06	116258	498 (3.03)	491 (3.44)	. (.)
DNK	51741	0.65	51406	500 (2.83)	477 (4.03)	475 (9.89)
FIN	57884	0.07	57845	545 (1.76)	538 (2.75)	569 (11.34)
FRA	734579	0.87	728167	501 (2.91)	488 (3.84)	474 (12.28)
DEU	884358	5.57	835070	504 (3.48)	495 (5.25)	408 (13.80)
GRC	105131	0.13	104991	477 (4.50)	457 (5.83)	476 (11.54)
HUN	107044	0.06	106984	486 (2.77)	470 (3.59)	418 (22.82)
ISL	3928	0.63	3903	496 (1.87)	483 (3.16)	. (.)
IRL	54850	1.03	54285	520 (2.65)	491 (4.69)	498 (20.49)
ITA	481521	0.44	479421	479 (3.12)	467 (4.22)	419 (16.92)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	538 (3.08)	523 (4.35)	. (.)
LUX	4080	0.11	4076	486 (1.74)	463 (3.32)	392 (16.30)
MEX	1071650	0.37	1067674	402 (4.19)	399 (5.45)	336 (14.06)
NLD	184943	3.09	179228	524 (2.73)	491 (4.49)	. (.)
NZL	48638	0.69	48300	532 (2.64)	500 (3.72)	. (.)
NOR	52816	0.77	52407	506 (3.40)	489 (3.42)	474 (15.05)
POL	534900	.	534900	499 (2.81)	482 (5.47)	. (.)
PRT	96857	0.25	96616	479 (3.73)	470 (5.53)	488 (9.08)
SVK	77067	0.34	76803	472 (3.18)	461 (4.62)	415 (11.63)
ESP	344372	0.07	344114	483 (2.77)	468 (4.38)	482 (19.30)
SWE	107104	0.25	106836	521 (2.35)	498 (3.95)	496 (15.48)
CHE	86491	0.14	86370	503 (3.40)	490 (4.39)	434 (18.64)
TUR	481279	0.03	481137	446 (5.97)	434 (6.52)	393 (18.55)
GBR	698579	3.61	673362	512 (3.03)	495 (3.36)	420 (24.09)
USA	3147089	0.76	3123066	514 (3.06)	467 (3.93)	471 (13.69)
TOT	.	11.60	.	497 (1.16)	467 (1.90)	447 (7.18)
AVG	.	4.56	.	501 (0.64)	480 (0.96)	459 (4.09)
HKG	72484	0.21	72334	515 (3.55)	493 (4.82)	. (.)
IDN	1971476	.	1971476	383 (3.38)	377 (5.08)	306 (20.69)
LVA	33643	0.22	33570	497 (3.79)	482 (4.19)	. (.)
LIE	338	.	338	526 (4.32)	521 (12.91)	. (.)
MAC	6546	.	6546	499 (2.67)	493 (5.11)	. (.)
RUS	2153373	0.05	2152200	444 (3.74)	442 (4.34)	360 (16.52)
YUG	68596	0.53	68233	411 (3.52)	418 (5.21)	397 (13.77)
THA	637076	.	637076	422 (3.02)	416 (3.43)	391 (12.87)
TUN	150875	0.09	150739	379 (3.02)	356 (6.39)	314 (9.86)
URY	33775	0.15	33724	439 (3.81)	423 (4.43)	385 (25.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Father

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	532 (2.12)	504 (3.35)	478 (12.54)
AUT	85931	1.08	85003	509 (3.35)	502 (4.14)	. (.)
BEL	111831	1.82	109800	543 (2.47)	501 (3.36)	457 (14.20)
CAN	330436	9.70	298375	542 (1.69)	517 (2.35)	516 (8.80)
CZE	121183	4.06	116258	525 (3.33)	512 (3.91)	. (.)
DNK	51741	0.65	51406	522 (3.07)	497 (3.85)	505 (8.94)
FIN	57884	0.07	57845	548 (1.96)	534 (2.91)	534 (8.85)
FRA	734579	0.87	728167	517 (2.67)	499 (3.75)	488 (9.62)
DEU	884358	5.57	835070	515 (3.41)	503 (5.02)	431 (12.50)
GRC	105131	0.13	104991	451 (4.12)	429 (5.75)	439 (9.64)
HUN	107044	0.06	106984	496 (3.10)	474 (3.42)	418 (22.34)
ISL	3928	0.63	3903	518 (1.63)	506 (2.78)	. (.)
IRL	54850	1.03	54285	509 (2.48)	475 (4.25)	471 (19.04)
ITA	481521	0.44	479421	470 (3.09)	451 (3.93)	421 (13.41)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	545 (3.21)	533 (4.50)	. (.)
LUX	4080	0.11	4076	499 (1.36)	477 (2.93)	451 (13.43)
MEX	1071650	0.37	1067674	390 (3.73)	380 (4.46)	335 (8.47)
NLD	184943	3.09	179228	550 (2.80)	513 (4.78)	. (.)
NZL	48638	0.69	48300	535 (2.25)	500 (3.40)	. (.)
NOR	52816	0.77	52407	503 (2.78)	480 (3.07)	474 (13.07)
POL	534900	.	534900	492 (2.54)	477 (5.03)	. (.)
PRT	96857	0.25	96616	469 (3.39)	454 (5.10)	478 (8.31)
SVK	77067	0.34	76803	501 (3.37)	489 (4.76)	443 (10.64)
ESP	344372	0.07	344114	488 (2.51)	474 (4.02)	464 (15.61)
SWE	107104	0.25	106836	518 (2.58)	487 (3.52)	477 (15.45)
CHE	86491	0.14	86370	532 (3.47)	510 (4.38)	481 (17.27)
TUR	481279	0.03	481137	427 (7.00)	419 (7.38)	377 (16.31)
GBR	698579	3.61	673362	514 (2.88)	494 (3.51)	440 (23.41)
USA	3147089	0.76	3123066	501 (2.81)	456 (3.49)	451 (14.03)
TOT	.	11.60	.	495 (1.07)	462 (1.74)	440 (6.70)
AVG	.	4.56	.	506 (0.64)	481 (0.91)	457 (3.14)
HKG	72484	0.21	72334	555 (4.48)	536 (5.32)	. (.)
IDN	1971476	.	1971476	362 (3.87)	354 (5.64)	291 (17.00)
LVA	33643	0.22	33570	488 (3.92)	477 (4.40)	. (.)
LIE	338	.	338	539 (4.91)	523 (12.77)	. (.)
MAC	6546	.	6546	529 (3.51)	522 (6.77)	. (.)
RUS	2153373	0.05	2152200	472 (4.01)	466 (4.43)	364 (14.98)
YUG	68596	0.53	68233	438 (3.81)	432 (5.04)	434 (14.54)
THA	637076	.	637076	422 (3.17)	408 (3.64)	356 (12.14)
TUN	150875	0.09	150739	362 (2.67)	344 (5.37)	304 (7.50)
URY	33775	0.15	33724	427 (3.59)	411 (4.10)	385 (25.10)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Father

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	533 (2.09)	505 (3.74)	464 (13.42)
AUT	85931	1.08	85003	492 (3.54)	495 (4.23)	. (.)
BEL	111831	1.82	109800	521 (2.56)	484 (3.79)	431 (15.53)
CAN	330436	9.70	298375	530 (1.91)	498 (2.47)	497 (11.16)
CZE	121183	4.06	116258	531 (3.29)	519 (4.11)	. (.)
DNK	51741	0.65	51406	483 (3.21)	457 (4.50)	483 (9.98)
FIN	57884	0.07	57845	552 (2.08)	537 (3.13)	552 (10.80)
FRA	734579	0.87	728167	519 (3.43)	494 (4.65)	499 (12.64)
DEU	884358	5.57	835070	515 (3.68)	502 (5.43)	420 (13.30)
GRC	105131	0.13	104991	487 (4.19)	463 (4.88)	487 (10.51)
HUN	107044	0.06	106984	508 (3.12)	491 (3.90)	434 (23.54)
ISL	3928	0.63	3903	498 (1.73)	486 (3.11)	. (.)
IRL	54850	1.03	54285	510 (2.80)	484 (4.46)	498 (21.35)
ITA	481521	0.44	479421	489 (3.25)	477 (4.86)	450 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	541 (3.52)	531 (4.94)	. (.)
LUX	4080	0.11	4076	489 (1.76)	466 (3.44)	435 (15.58)
MEX	1071650	0.37	1067674	409 (3.60)	400 (4.15)	379 (16.03)
NLD	184943	3.09	179228	535 (3.13)	501 (5.09)	. (.)
NZL	48638	0.69	48300	532 (2.47)	496 (3.82)	. (.)
NOR	52816	0.77	52407	493 (3.37)	466 (3.93)	465 (14.49)
POL	534900	.	534900	499 (2.86)	490 (6.00)	. (.)
PRT	96857	0.25	96616	470 (3.54)	457 (5.06)	479 (8.97)
SVK	77067	0.34	76803	497 (3.87)	488 (5.08)	448 (14.71)
ESP	344372	0.07	344114	489 (2.65)	480 (4.79)	457 (23.58)
SWE	107104	0.25	106836	516 (2.71)	481 (3.96)	500 (15.93)
CHE	86491	0.14	86370	518 (3.88)	500 (4.81)	456 (17.79)
TUR	481279	0.03	481137	435 (6.04)	434 (6.71)	391 (16.18)
GBR	698579	3.61	673362	524 (3.04)	506 (3.76)	437 (26.45)
USA	3147089	0.76	3123066	510 (2.82)	463 (3.75)	461 (14.20)
TOT	.	11.60	.	501 (1.08)	468 (1.74)	453 (6.92)
AVG	.	4.56	.	505 (0.64)	481 (0.87)	467 (3.73)
HKG	72484	0.21	72334	545 (4.25)	524 (5.08)	. (.)
IDN	1971476	.	1971476	396 (3.19)	391 (4.83)	358 (16.52)
LVA	33643	0.22	33570	494 (4.06)	483 (4.48)	. (.)
LIE	338	.	338	527 (5.30)	519 (13.82)	. (.)
MAC	6546	.	6546	528 (3.77)	513 (6.58)	. (.)
RUS	2153373	0.05	2152200	493 (4.10)	486 (4.45)	401 (17.90)
YUG	68596	0.53	68233	438 (3.57)	431 (5.21)	429 (14.25)
THA	637076	.	637076	433 (3.09)	422 (3.01)	367 (11.52)
TUN	150875	0.09	150739	387 (2.74)	375 (6.01)	342 (7.96)
URY	33775	0.15	33724	443 (3.27)	427 (3.63)	423 (29.15)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Father

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	537 (1.94)	512 (3.26)	469 (12.60)
AUT	85931	1.08	85003	508 (3.23)	507 (3.95)	. (.)
BEL	111831	1.82	109800	538 (2.36)	499 (3.49)	469 (13.88)
CAN	330436	9.70	298375	540 (1.66)	512 (2.43)	514 (9.17)
CZE	121183	4.06	116258	525 (3.22)	515 (3.63)	. (.)
DNK	51741	0.65	51406	524 (2.70)	500 (3.71)	509 (8.87)
FIN	57884	0.07	57845	550 (1.97)	541 (2.89)	545 (10.92)
FRA	734579	0.87	728167	524 (2.92)	510 (3.63)	513 (9.83)
DEU	884358	5.57	835070	521 (3.38)	515 (5.00)	442 (11.57)
GRC	105131	0.13	104991	456 (4.45)	431 (5.09)	440 (10.86)
HUN	107044	0.06	106984	506 (3.02)	488 (4.03)	403 (23.03)
ISL	3928	0.63	3903	507 (1.62)	499 (2.68)	. (.)
IRL	54850	1.03	54285	503 (2.36)	476 (4.16)	462 (17.94)
ITA	481521	0.44	479421	472 (3.10)	460 (4.23)	442 (16.73)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	552 (2.98)	547 (4.37)	. (.)
LUX	4080	0.11	4076	499 (1.63)	478 (3.18)	462 (16.13)
MEX	1071650	0.37	1067674	389 (4.32)	380 (5.48)	328 (11.98)
NLD	184943	3.09	179228	530 (2.90)	495 (4.95)	. (.)
NZL	48638	0.69	48300	543 (2.31)	511 (3.23)	. (.)
NOR	52816	0.77	52407	498 (2.99)	474 (3.71)	460 (13.94)
POL	534900	.	534900	488 (2.76)	476 (5.00)	. (.)
PRT	96857	0.25	96616	471 (3.92)	463 (5.70)	486 (9.13)
SVK	77067	0.34	76803	495 (3.42)	482 (4.75)	425 (11.28)
ESP	344372	0.07	344114	484 (2.86)	474 (4.51)	462 (17.14)
SWE	107104	0.25	106836	516 (2.47)	492 (3.55)	481 (14.41)
CHE	86491	0.14	86370	526 (3.19)	508 (3.79)	460 (17.62)
TUR	481279	0.03	481137	412 (6.22)	402 (6.77)	356 (18.02)
GBR	698579	3.61	673362	514 (2.83)	500 (3.63)	439 (22.15)
USA	3147089	0.76	3123066	495 (2.87)	451 (3.78)	440 (13.42)
TOT	.	11.60	.	494 (1.12)	461 (1.89)	437 (6.91)
AVG	.	4.56	.	505 (0.65)	483 (0.94)	457 (3.55)
HKG	72484	0.21	72334	552 (4.18)	535 (4.80)	. (.)
IDN	1971476	.	1971476	363 (3.30)	357 (4.84)	320 (19.31)
LVA	33643	0.22	33570	488 (4.07)	474 (4.61)	. (.)
LIE	338	.	338	532 (4.77)	518 (12.19)	. (.)
MAC	6546	.	6546	533 (3.03)	530 (6.69)	. (.)
RUS	2153373	0.05	2152200	481 (4.12)	479 (4.84)	346 (21.38)
YUG	68596	0.53	68233	421 (3.32)	417 (4.88)	428 (15.54)
THA	637076	.	637076	428 (3.03)	420 (3.51)	376 (14.86)
TUN	150875	0.09	150739	348 (2.31)	327 (4.79)	301 (6.49)
URY	33775	0.15	33724	415 (4.14)	401 (4.42)	355 (24.85)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Other male guardian (e.g., stepfather or foster father)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.33	234809	7.13 (0.26)	92.17 (0.28)	0.70 (0.09)
AUT	85931	1.08	85003	6.14 (0.43)	93.56 (0.43)	0.31 (.)
BEL	111831	1.82	109800	8.18 (0.34)	90.65 (0.37)	1.17 (0.15)
CAN	330436	9.70	298375	8.26 (0.29)	90.97 (0.30)	0.77 (0.07)
CZE	121183	4.06	116258	11.06 (0.52)	88.73 (0.52)	0.21 (.)
DNK	51741	0.65	51406	7.12 (0.36)	89.14 (0.47)	3.74 (0.32)
FIN	57884	0.07	57845	8.20 (0.45)	90.37 (0.45)	1.43 (0.19)
FRA	734579	0.87	728167	6.97 (0.49)	90.48 (0.48)	2.55 (0.25)
DEU	884358	5.57	835070	7.32 (0.44)	91.61 (0.49)	1.07 (0.16)
GRC	105131	0.13	104991	1.12 (0.14)	89.42 (1.51)	9.46 (1.47)
HUN	107044	0.06	106984	6.57 (0.33)	92.72 (0.35)	0.71 (0.15)
ISL	3928	0.63	3903	12.62 (0.55)	86.78 (0.57)	0.59 (.)
IRL	54850	1.03	54285	2.78 (0.26)	96.16 (0.35)	1.06 (0.21)
ITA	481521	0.44	479421	1.81 (0.17)	97.01 (0.24)	1.18 (0.17)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	0.89 (0.11)	98.57 (0.15)	0.54 (.)
LUX	4080	0.11	4076	6.55 (0.36)	92.01 (0.38)	1.44 (0.19)
MEX	1071650	0.37	1067674	2.52 (0.25)	95.68 (0.42)	1.80 (0.32)
NLD	184943	3.09	179228	6.05 (0.36)	93.13 (0.45)	0.81 (.)
NZL	48638	0.69	48300	10.40 (0.44)	89.13 (0.48)	0.48 (.)
NOR	52816	0.77	52407	6.61 (0.49)	90.76 (0.62)	2.63 (0.32)
POL	534900	.	534900	2.13 (0.23)	97.74 (0.24)	0.13 (.)
PRT	96857	0.25	96616	2.57 (0.31)	94.49 (0.48)	2.94 (0.35)
SVK	77067	0.34	76803	4.29 (0.31)	94.31 (0.37)	1.40 (0.19)
ESP	344372	0.07	344114	2.82 (0.26)	96.41 (0.26)	0.77 (0.15)
SWE	107104	0.25	106836	6.65 (0.36)	91.82 (0.38)	1.53 (0.19)
CHE	86491	0.14	86370	3.87 (0.30)	95.03 (0.35)	1.11 (0.16)
TUR	481279	0.03	481137	1.15 (0.19)	97.32 (0.29)	1.53 (0.21)
GBR	698579	3.61	673362	10.42 (0.44)	89.03 (0.46)	0.55 (0.13)
USA	3147089	0.76	3123066	9.30 (0.37)	88.34 (0.44)	2.36 (0.27)
TOT	.	11.60	.	6.21 (0.14)	92.18 (0.17)	1.62 (0.10)
AVG	.	4.56	.	5.89 (0.07)	92.56 (0.11)	1.56 (0.07)
HKG	72484	0.21	72334	0.82 (0.13)	98.72 (0.18)	0.46 (.)
IDN	1971476	.	1971476	4.40 (0.41)	95.03 (0.43)	0.58 (0.15)
LVA	33643	0.22	33570	10.00 (0.46)	89.48 (0.49)	0.52 (.)
LIE	338	.	338	3.88 (.)	96.12 (1.08)	. (.)
MAC	6546	.	6546	1.01 (.)	98.99 (0.36)	. (.)
RUS	2153373	0.05	2152200	7.04 (0.31)	91.30 (1.19)	1.66 (1.22)
YUG	68596	0.53	68233	2.16 (0.26)	95.41 (0.47)	2.42 (0.49)
THA	637076	.	637076	4.51 (0.30)	94.31 (0.34)	1.19 (0.17)
TUN	150875	0.09	150739	1.52 (0.22)	95.02 (0.91)	3.46 (0.88)
URY	33775	0.15	33724	6.76 (0.39)	92.77 (0.43)	0.47 (0.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Other male guardian (e.g., stepfather or foster father)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	513 (4.22)	527 (2.15)	467 (13.83)
AUT	85931	1.08	85003	491 (6.34)	494 (3.57)	. (.)
BEL	111831	1.82	109800	492 (5.38)	513 (2.78)	430 (16.55)
CAN	330436	9.70	298375	515 (3.30)	533 (1.66)	508 (9.45)
CZE	121183	4.06	116258	488 (5.01)	497 (2.85)	. (.)
DNK	51741	0.65	51406	473 (7.89)	495 (2.77)	475 (9.89)
FIN	57884	0.07	57845	531 (4.28)	544 (1.67)	569 (11.34)
FRA	734579	0.87	728167	491 (6.15)	498 (2.70)	474 (12.28)
DEU	884358	5.57	835070	501 (7.40)	502 (3.49)	393 (12.99)
GRC	105131	0.13	104991	491 (20.01)	472 (4.17)	477 (11.46)
HUN	107044	0.06	106984	474 (6.89)	483 (2.52)	418 (22.82)
ISL	3928	0.63	3903	480 (5.07)	495 (1.79)	. (.)
IRL	54850	1.03	54285	510 (10.14)	515 (2.67)	498 (20.49)
ITA	481521	0.44	479421	474 (11.02)	477 (2.95)	419 (16.92)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	512 (11.86)	535 (3.10)	. (.)
LUX	4080	0.11	4076	469 (7.24)	482 (1.55)	397 (14.92)
MEX	1071650	0.37	1067674	409 (14.30)	401 (4.06)	336 (14.06)
NLD	184943	3.09	179228	498 (6.20)	519 (2.69)	. (.)
NZL	48638	0.69	48300	514 (5.53)	524 (2.51)	. (.)
NOR	52816	0.77	52407	496 (7.46)	501 (2.83)	474 (15.05)
POL	534900	.	534900	474 (12.97)	497 (2.84)	. (.)
PRT	96857	0.25	96616	474 (12.26)	478 (3.78)	488 (9.08)
SVK	77067	0.34	76803	455 (8.23)	471 (3.10)	415 (11.63)
ESP	344372	0.07	344114	469 (11.05)	481 (2.63)	482 (19.30)
SWE	107104	0.25	106836	521 (5.96)	514 (2.46)	496 (15.48)
CHE	86491	0.14	86370	480 (7.31)	501 (3.25)	433 (18.94)
TUR	481279	0.03	481137	427 (21.32)	442 (5.73)	393 (18.55)
GBR	698579	3.61	673362	498 (4.98)	508 (2.76)	420 (24.09)
USA	3147089	0.76	3123066	483 (5.10)	498 (3.36)	471 (13.69)
TOT	.	11.60	.	486 (2.54)	488 (1.30)	447 (7.26)
AVG	.	4.56	.	492 (1.45)	496 (0.64)	459 (4.09)
HKG	72484	0.21	72334	507 (13.78)	510 (3.62)	. (.)
IDN	1971476	.	1971476	368 (7.45)	383 (3.37)	306 (20.69)
LVA	33643	0.22	33570	477 (6.65)	493 (3.69)	. (.)
LIE	338	.	338	. (.)	525 (3.79)	. (.)
MAC	6546	.	6546	. (.)	498 (2.09)	. (.)
RUS	2153373	0.05	2152200	434 (6.07)	444 (3.68)	360 (16.52)
YUG	68596	0.53	68233	410 (10.11)	413 (3.51)	397 (13.77)
THA	637076	.	637076	414 (7.47)	421 (2.79)	391 (12.87)
TUN	150875	0.09	150739	310 (15.24)	378 (2.94)	314 (9.86)
URY	33775	0.15	33724	426 (7.77)	435 (3.51)	385 (25.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Other male guardian (e.g., stepfather or foster father)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	511 (3.87)	526 (2.17)	478 (12.54)
AUT	85931	1.08	85003	493 (5.56)	508 (3.20)	. (.)
BEL	111831	1.82	109800	513 (4.58)	536 (2.48)	458 (14.17)
CAN	330436	9.70	298375	512 (3.06)	538 (1.68)	516 (8.80)
CZE	121183	4.06	116258	509 (4.97)	524 (3.23)	. (.)
DNK	51741	0.65	51406	500 (6.87)	516 (2.86)	505 (8.94)
FIN	57884	0.07	57845	533 (4.91)	546 (1.92)	534 (8.85)
FRA	734579	0.87	728167	500 (6.20)	513 (2.58)	488 (9.62)
DEU	884358	5.57	835070	508 (6.95)	512 (3.44)	419 (11.69)
GRC	105131	0.13	104991	444 (14.63)	446 (4.01)	440 (9.70)
HUN	107044	0.06	106984	472 (6.32)	492 (2.87)	418 (22.34)
ISL	3928	0.63	3903	503 (4.25)	517 (1.50)	. (.)
IRL	54850	1.03	54285	486 (9.27)	503 (2.45)	471 (19.04)
ITA	481521	0.44	479421	465 (11.28)	466 (3.03)	421 (13.41)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	511 (13.77)	543 (3.26)	. (.)
LUX	4080	0.11	4076	485 (5.61)	494 (1.13)	455 (13.03)
MEX	1071650	0.37	1067674	377 (10.89)	386 (3.66)	335 (8.47)
NLD	184943	3.09	179228	515 (6.60)	545 (2.85)	. (.)
NZL	48638	0.69	48300	504 (5.58)	527 (2.19)	. (.)
NOR	52816	0.77	52407	482 (6.57)	497 (2.47)	474 (13.07)
POL	534900	.	534900	465 (12.07)	491 (2.50)	. (.)
PRT	96857	0.25	96616	459 (10.97)	466 (3.45)	478 (8.31)
SVK	77067	0.34	76803	482 (6.63)	500 (3.36)	443 (10.64)
ESP	344372	0.07	344114	478 (8.15)	486 (2.44)	464 (15.61)
SWE	107104	0.25	106836	504 (6.01)	510 (2.60)	477 (15.45)
CHE	86491	0.14	86370	496 (7.03)	528 (3.36)	480 (17.57)
TUR	481279	0.03	481137	391 (23.65)	425 (6.71)	377 (16.31)
GBR	698579	3.61	673362	502 (5.15)	509 (2.69)	440 (23.41)
USA	3147089	0.76	3123066	473 (4.67)	485 (3.09)	451 (14.03)
TOT	.	11.60	.	483 (2.35)	486 (1.19)	440 (6.75)
AVG	.	4.56	.	496 (1.33)	501 (0.65)	457 (3.13)
HKG	72484	0.21	72334	551 (18.08)	551 (4.51)	. (.)
IDN	1971476	.	1971476	346 (6.33)	361 (3.94)	291 (17.00)
LVA	33643	0.22	33570	471 (5.97)	485 (3.68)	. (.)
LIE	338	.	338	. (.)	536 (4.14)	. (.)
MAC	6546	.	6546	. (.)	527 (2.77)	. (.)
RUS	2153373	0.05	2152200	462 (7.06)	471 (3.85)	364 (14.98)
YUG	68596	0.53	68233	413 (10.68)	438 (3.72)	434 (14.54)
THA	637076	.	637076	404 (8.05)	418 (3.00)	356 (12.14)
TUN	150875	0.09	150739	309 (10.68)	362 (2.64)	304 (7.50)
URY	33775	0.15	33724	411 (7.41)	423 (3.29)	385 (25.10)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Other male guardian (e.g., stepfather or foster father)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	515 (3.96)	527 (2.09)	464 (13.42)
AUT	85931	1.08	85003	485 (6.42)	493 (3.40)	. (.)
BEL	111831	1.82	109800	490 (4.90)	514 (2.68)	433 (15.47)
CAN	330436	9.70	298375	500 (3.69)	525 (1.88)	497 (11.16)
CZE	121183	4.06	116258	512 (5.36)	530 (3.17)	. (.)
DNK	51741	0.65	51406	462 (7.79)	476 (3.07)	483 (9.98)
FIN	57884	0.07	57845	527 (5.05)	550 (1.93)	552 (10.80)
FRA	734579	0.87	728167	502 (8.13)	513 (3.15)	499 (12.64)
DEU	884358	5.57	835070	508 (7.64)	513 (3.69)	405 (13.05)
GRC	105131	0.13	104991	478 (18.85)	480 (3.93)	488 (10.59)
HUN	107044	0.06	106984	499 (7.18)	504 (2.79)	434 (23.54)
ISL	3928	0.63	3903	482 (4.74)	497 (1.58)	. (.)
IRL	54850	1.03	54285	498 (9.31)	505 (2.70)	498 (21.35)
ITA	481521	0.44	479421	483 (13.90)	487 (3.06)	450 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	522 (14.53)	539 (3.56)	. (.)
LUX	4080	0.11	4076	471 (7.17)	484 (1.61)	442 (14.79)
MEX	1071650	0.37	1067674	406 (12.36)	405 (3.42)	379 (16.03)
NLD	184943	3.09	179228	501 (7.78)	531 (3.06)	. (.)
NZL	48638	0.69	48300	505 (5.69)	524 (2.38)	. (.)
NOR	52816	0.77	52407	476 (7.46)	486 (2.94)	465 (14.49)
POL	534900	.	534900	484 (12.88)	498 (2.83)	. (.)
PRT	96857	0.25	96616	450 (12.49)	468 (3.54)	479 (8.97)
SVK	77067	0.34	76803	480 (8.21)	497 (3.70)	448 (14.71)
ESP	344372	0.07	344114	485 (10.35)	488 (2.64)	457 (23.58)
SWE	107104	0.25	106836	501 (7.23)	507 (2.77)	500 (15.93)
CHE	86491	0.14	86370	501 (8.18)	514 (3.69)	456 (18.01)
TUR	481279	0.03	481137	442 (22.37)	435 (5.87)	391 (16.18)
GBR	698579	3.61	673362	513 (5.61)	519 (2.81)	437 (26.45)
USA	3147089	0.76	3123066	481 (5.70)	494 (3.14)	461 (14.20)
TOT	.	11.60	.	489 (2.86)	491 (1.18)	452 (6.96)
AVG	.	4.56	.	493 (1.45)	500 (0.62)	468 (3.78)
HKG	72484	0.21	72334	527 (18.83)	540 (4.27)	. (.)
IDN	1971476	.	1971476	384 (6.41)	396 (3.24)	358 (16.52)
LVA	33643	0.22	33570	483 (6.45)	490 (3.95)	. (.)
LIE	338	.	338	. (.)	525 (4.60)	. (.)
MAC	6546	.	6546	. (.)	525 (3.00)	. (.)
RUS	2153373	0.05	2152200	480 (6.22)	492 (3.97)	401 (17.90)
YUG	68596	0.53	68233	432 (9.97)	437 (3.49)	429 (14.25)
THA	637076	.	637076	410 (7.58)	431 (2.71)	367 (11.52)
TUN	150875	0.09	150739	363 (13.69)	387 (2.68)	342 (7.96)
URY	33775	0.15	33724	426 (7.26)	439 (2.93)	423 (29.15)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Other male guardian (e.g., stepfather or foster father)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	524 (3.77)	531 (1.99)	469 (12.60)
AUT	85931	1.08	85003	502 (5.19)	508 (3.13)	. (.)
BEL	111831	1.82	109800	508 (4.55)	531 (2.40)	471 (13.83)
CAN	330436	9.70	298375	512 (3.30)	536 (1.64)	514 (9.17)
CZE	121183	4.06	116258	513 (4.80)	524 (3.12)	. (.)
DNK	51741	0.65	51406	501 (7.56)	519 (2.55)	509 (8.87)
FIN	57884	0.07	57845	539 (4.27)	549 (1.93)	545 (10.92)
FRA	734579	0.87	728167	514 (6.20)	521 (2.76)	513 (9.83)
DEU	884358	5.57	835070	521 (6.90)	520 (3.34)	429 (11.06)
GRC	105131	0.13	104991	460 (16.71)	449 (4.13)	441 (10.82)
HUN	107044	0.06	106984	487 (6.28)	503 (2.88)	403 (23.03)
ISL	3928	0.63	3903	500 (4.31)	506 (1.51)	. (.)
IRL	54850	1.03	54285	495 (9.48)	499 (2.35)	462 (17.94)
ITA	481521	0.44	479421	463 (12.29)	470 (3.02)	442 (16.73)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	526 (12.02)	551 (3.07)	. (.)
LUX	4080	0.11	4076	489 (6.06)	494 (1.43)	466 (15.38)
MEX	1071650	0.37	1067674	383 (12.77)	386 (4.36)	328 (11.98)
NLD	184943	3.09	179228	493 (6.86)	526 (2.92)	. (.)
NZL	48638	0.69	48300	517 (5.64)	536 (2.15)	. (.)
NOR	52816	0.77	52407	477 (7.03)	492 (2.69)	460 (13.94)
POL	534900	.	534900	449 (12.42)	488 (2.73)	. (.)
PRT	96857	0.25	96616	461 (10.76)	470 (3.96)	486 (9.13)
SVK	77067	0.34	76803	479 (6.85)	494 (3.37)	425 (11.28)
ESP	344372	0.07	344114	485 (9.92)	482 (2.77)	462 (17.14)
SWE	107104	0.25	106836	509 (5.91)	509 (2.46)	481 (14.41)
CHE	86491	0.14	86370	498 (6.84)	523 (3.05)	459 (17.76)
TUR	481279	0.03	481137	404 (22.08)	408 (5.96)	356 (18.02)
GBR	698579	3.61	673362	508 (5.33)	510 (2.64)	439 (22.15)
USA	3147089	0.76	3123066	472 (5.02)	479 (3.29)	440 (13.42)
TOT	.	11.60	.	486 (2.50)	484 (1.29)	437 (6.95)
AVG	.	4.56	.	499 (1.34)	500 (0.66)	457 (3.53)
HKG	72484	0.21	72334	526 (15.89)	548 (4.17)	. (.)
IDN	1971476	.	1971476	346 (6.16)	362 (3.33)	320 (19.31)
LVA	33643	0.22	33570	476 (6.42)	484 (3.97)	. (.)
LIE	338	.	338	. (.)	529 (4.03)	. (.)
MAC	6546	.	6546	. (.)	532 (2.38)	. (.)
RUS	2153373	0.05	2152200	483 (7.36)	481 (4.01)	346 (21.38)
YUG	68596	0.53	68233	396 (11.83)	421 (3.26)	428 (15.54)
THA	637076	.	637076	407 (6.34)	426 (2.76)	376 (14.86)
TUN	150875	0.09	150739	296 (11.34)	347 (2.23)	301 (6.49)
URY	33775	0.15	33724	398 (8.33)	412 (3.70)	355 (24.85)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Others (e.g. brother, sister, cousin, grandparents)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234809	76.08	(0.57)	23.22	(0.56)	0.70	(0.09)
AUT	85931	1.08	85003	77.58	(0.82)	22.11	(0.81)	0.31	(.)
BEL	111831	1.82	109800	71.97	(0.76)	26.86	(0.75)	1.17	(0.15)
CAN	330436	9.70	298375	73.26	(0.45)	25.97	(0.46)	0.77	(0.07)
CZE	121183	4.06	116258	85.92	(0.53)	13.87	(0.53)	0.21	(.)
DNK	51741	0.65	51406	30.13	(0.91)	66.13	(0.95)	3.74	(0.32)
FIN	57884	0.07	57845	60.84	(0.80)	37.73	(0.77)	1.43	(0.19)
FRA	734579	0.87	728167	61.71	(0.92)	35.75	(0.95)	2.55	(0.25)
DEU	884358	5.57	835070	62.84	(0.77)	36.05	(0.77)	1.11	(0.17)
GRC	105131	0.13	104991	29.96	(1.68)	60.43	(1.72)	9.60	(1.48)
HUN	107044	0.06	106984	54.98	(1.05)	44.31	(1.04)	0.71	(0.15)
ISL	3928	0.63	3903	81.71	(0.65)	17.69	(0.63)	0.59	(.)
IRL	54850	1.03	54285	75.95	(0.83)	22.99	(0.80)	1.06	(0.21)
ITA	481521	0.44	479421	72.18	(0.95)	26.64	(0.93)	1.18	(0.17)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	69.79	(0.86)	29.67	(0.83)	0.54	(.)
LUX	4080	0.11	4076	70.16	(0.78)	28.44	(0.75)	1.40	(0.18)
MEX	1071650	0.37	1067674	30.36	(1.06)	67.84	(1.05)	1.80	(0.32)
NLD	184943	3.09	179228	75.98	(1.01)	23.21	(0.91)	0.81	(.)
NZL	48638	0.69	48300	82.86	(0.61)	16.66	(0.59)	0.48	(.)
NOR	52816	0.77	52407	34.00	(0.97)	63.37	(0.97)	2.63	(0.32)
POL	534900	.	534900	84.60	(0.59)	15.27	(0.59)	0.13	(.)
PRT	96857	0.25	96616	43.10	(1.03)	53.96	(0.95)	2.94	(0.35)
SVK	77067	0.34	76803	79.69	(0.68)	18.91	(0.59)	1.40	(0.19)
ESP	344372	0.07	344114	76.20	(0.54)	23.03	(0.52)	0.77	(0.15)
SWE	107104	0.25	106836	53.95	(0.80)	44.52	(0.78)	1.53	(0.19)
CHE	86491	0.14	86370	64.03	(0.78)	34.83	(0.77)	1.14	(0.16)
TUR	481279	0.03	481137	45.50	(1.54)	52.97	(1.56)	1.53	(0.21)
GBR	698579	3.61	673362	76.25	(0.67)	23.20	(0.65)	0.55	(0.13)
USA	3147089	0.76	3123066	62.64	(0.80)	35.00	(0.82)	2.36	(0.27)
TOT	.	11.60	.	62.39	(0.32)	35.99	(0.33)	1.62	(0.10)
AVG	.	4.56	.	64.20	(0.19)	34.24	(0.19)	1.56	(0.07)
HKG	72484	0.21	72334	69.21	(0.74)	30.33	(0.73)	0.46	(.)
IDN	1971476	.	1971476	81.13	(0.93)	18.25	(0.87)	0.61	(0.15)
LVA	33643	0.22	33570	69.53	(0.98)	29.96	(1.00)	0.52	(.)
LIE	338	.	338	71.45	(2.83)	28.55	(2.83)	.	(.)
MAC	6546	.	6546	69.94	(1.54)	30.06	(1.54)	.	(.)
RUS	2153373	0.05	2152200	72.82	(1.25)	25.52	(0.88)	1.66	(1.22)
YUG	68596	0.53	68233	46.47	(1.45)	51.11	(1.43)	2.42	(0.49)
THA	637076	.	637076	35.22	(1.18)	63.59	(1.15)	1.19	(0.17)
TUN	150875	0.09	150739	61.64	(1.42)	34.88	(1.44)	3.48	(0.89)
URY	33775	0.15	33724	83.56	(0.51)	15.98	(0.51)	0.47	(0.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Others (e.g. brother, sister, cousin, grandparents)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	533 (2.12)	504 (2.90)	467 (13.83)
AUT	85931	1.08	85003	494 (3.80)	491 (4.97)	. (.)
BEL	111831	1.82	109800	523 (2.51)	481 (4.54)	428 (16.58)
CAN	330436	9.70	298375	538 (1.62)	512 (2.64)	508 (9.45)
CZE	121183	4.06	116258	496 (2.90)	497 (4.03)	. (.)
DNK	51741	0.65	51406	509 (3.61)	486 (3.10)	475 (9.89)
FIN	57884	0.07	57845	547 (1.82)	537 (2.52)	569 (11.34)
FRA	734579	0.87	728167	507 (3.04)	482 (4.02)	474 (12.28)
DEU	884358	5.57	835070	511 (3.54)	486 (4.50)	399 (13.42)
GRC	105131	0.13	104991	484 (5.06)	466 (4.40)	477 (11.36)
HUN	107044	0.06	106984	494 (3.10)	468 (2.82)	418 (22.82)
ISL	3928	0.63	3903	495 (1.88)	481 (3.68)	. (.)
IRL	54850	1.03	54285	525 (2.62)	483 (4.68)	498 (20.49)
ITA	481521	0.44	479421	478 (3.28)	474 (4.44)	419 (16.92)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	540 (3.08)	521 (4.02)	. (.)
LUX	4080	0.11	4076	488 (1.75)	463 (2.70)	393 (16.13)
MEX	1071650	0.37	1067674	421 (5.54)	392 (3.91)	336 (14.06)
NLD	184943	3.09	179228	524 (2.58)	500 (4.83)	. (.)
NZL	48638	0.69	48300	528 (2.53)	497 (4.60)	. (.)
NOR	52816	0.77	52407	512 (3.47)	495 (3.21)	474 (15.05)
POL	534900	.	534900	498 (2.96)	492 (4.87)	. (.)
PRT	96857	0.25	96616	481 (4.00)	475 (4.43)	488 (9.08)
SVK	77067	0.34	76803	474 (3.10)	453 (4.60)	415 (11.63)
ESP	344372	0.07	344114	484 (2.66)	470 (4.02)	482 (19.30)
SWE	107104	0.25	106836	523 (2.95)	505 (2.71)	496 (15.48)
CHE	86491	0.14	86370	511 (3.46)	480 (3.97)	437 (18.01)
TUR	481279	0.03	481137	453 (6.11)	432 (5.90)	393 (18.55)
GBR	698579	3.61	673362	511 (2.84)	492 (4.45)	420 (24.09)
USA	3147089	0.76	3123066	511 (2.89)	470 (4.36)	471 (13.69)
TOT	.	11.60	.	504 (1.11)	462 (1.79)	447 (7.24)
AVG	.	4.56	.	506 (0.57)	477 (0.96)	459 (4.12)
HKG	72484	0.21	72334	516 (3.61)	497 (4.58)	. (.)
IDN	1971476	.	1971476	387 (3.41)	360 (4.44)	309 (19.57)
LVA	33643	0.22	33570	493 (3.73)	487 (4.75)	. (.)
LIE	338	.	338	529 (5.08)	516 (9.29)	. (.)
MAC	6546	.	6546	501 (2.36)	490 (4.11)	. (.)
RUS	2153373	0.05	2152200	442 (3.67)	447 (5.11)	360 (16.52)
YUG	68596	0.53	68233	419 (4.02)	407 (3.70)	397 (13.77)
THA	637076	.	637076	436 (3.83)	411 (2.69)	391 (12.87)
TUN	150875	0.09	150739	384 (3.51)	364 (3.80)	314 (9.85)
URY	33775	0.15	33724	437 (3.41)	421 (6.06)	385 (25.09)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?
Others (e.g. brother, sister, cousin, grandparents)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	532 (2.15)	501 (3.17)	478 (12.54)
AUT	85931	1.08	85003	509 (3.23)	501 (4.92)	. (.)
BEL	111831	1.82	109800	546 (2.43)	501 (3.71)	457 (14.07)
CAN	330436	9.70	298375	542 (1.63)	519 (2.65)	516 (8.80)
CZE	121183	4.06	116258	522 (3.33)	522 (4.25)	. (.)
DNK	51741	0.65	51406	534 (3.63)	506 (2.94)	505 (8.94)
FIN	57884	0.07	57845	551 (1.91)	535 (2.62)	534 (8.85)
FRA	734579	0.87	728167	522 (2.77)	495 (3.57)	488 (9.62)
DEU	884358	5.57	835070	523 (3.40)	493 (4.48)	425 (12.24)
GRC	105131	0.13	104991	459 (4.78)	439 (4.14)	441 (9.63)
HUN	107044	0.06	106984	503 (3.43)	475 (3.07)	418 (22.34)
ISL	3928	0.63	3903	518 (1.77)	505 (3.50)	. (.)
IRL	54850	1.03	54285	512 (2.63)	473 (3.92)	471 (19.04)
ITA	481521	0.44	479421	468 (3.30)	461 (3.87)	421 (13.41)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	547 (3.39)	531 (3.96)	. (.)
LUX	4080	0.11	4076	501 (1.41)	476 (2.38)	452 (14.33)
MEX	1071650	0.37	1067674	404 (5.02)	378 (3.45)	335 (8.47)
NLD	184943	3.09	179228	550 (2.73)	522 (5.28)	. (.)
NZL	48638	0.69	48300	529 (2.48)	504 (4.07)	. (.)
NOR	52816	0.77	52407	507 (2.96)	490 (2.80)	474 (13.07)
POL	534900	.	534900	491 (2.58)	488 (4.16)	. (.)
PRT	96857	0.25	96616	472 (3.71)	461 (4.04)	478 (8.31)
SVK	77067	0.34	76803	503 (3.33)	483 (4.70)	443 (10.64)
ESP	344372	0.07	344114	488 (2.41)	475 (3.82)	464 (15.61)
SWE	107104	0.25	106836	518 (2.99)	499 (2.72)	477 (15.45)
CHE	86491	0.14	86370	539 (4.02)	504 (3.44)	485 (17.33)
TUR	481279	0.03	481137	435 (6.97)	415 (7.01)	377 (16.31)
GBR	698579	3.61	673362	513 (2.68)	494 (4.11)	440 (23.41)
USA	3147089	0.76	3123066	497 (2.69)	461 (4.06)	451 (14.03)
TOT	.	11.60	.	502 (1.03)	457 (1.69)	440 (6.75)
AVG	.	4.56	.	512 (0.57)	478 (0.97)	457 (3.16)
HKG	72484	0.21	72334	557 (4.23)	537 (5.77)	. (.)
IDN	1971476	.	1971476	366 (3.92)	335 (4.76)	293 (16.64)
LVA	33643	0.22	33570	486 (3.83)	478 (4.77)	. (.)
LIE	338	.	338	542 (5.87)	520 (9.94)	. (.)
MAC	6546	.	6546	532 (3.17)	516 (6.34)	. (.)
RUS	2153373	0.05	2152200	469 (3.96)	474 (4.78)	364 (14.98)
YUG	68596	0.53	68233	445 (4.31)	430 (3.96)	434 (14.54)
THA	637076	.	637076	433 (4.13)	409 (3.05)	356 (12.14)
TUN	150875	0.09	150739	369 (3.20)	347 (2.84)	304 (7.48)
URY	33775	0.15	33724	425 (3.30)	411 (5.39)	385 (25.10)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Others (e.g. brother, sister, cousin, grandparents)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	533 (2.14)	503 (2.96)	464 (13.42)
AUT	85931	1.08	85003	494 (3.46)	490 (4.94)	. (.)
BEL	111831	1.82	109800	523 (2.53)	485 (3.99)	432 (15.35)
CAN	330436	9.70	298375	530 (1.90)	503 (3.01)	497 (11.16)
CZE	121183	4.06	116258	528 (3.23)	528 (4.70)	. (.)
DNK	51741	0.65	51406	494 (3.89)	467 (3.54)	483 (9.98)
FIN	57884	0.07	57845	553 (1.97)	541 (2.73)	552 (10.80)
FRA	734579	0.87	728167	524 (3.50)	494 (4.37)	499 (12.64)
DEU	884358	5.57	835070	523 (3.68)	493 (4.70)	411 (13.90)
GRC	105131	0.13	104991	492 (4.80)	475 (3.94)	488 (10.59)
HUN	107044	0.06	106984	516 (3.31)	488 (3.13)	434 (23.54)
ISL	3928	0.63	3903	497 (1.88)	486 (4.08)	. (.)
IRL	54850	1.03	54285	514 (2.87)	474 (4.24)	498 (21.35)
ITA	481521	0.44	479421	487 (3.38)	487 (4.15)	450 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	544 (3.65)	527 (4.55)	. (.)
LUX	4080	0.11	4076	491 (2.02)	465 (2.71)	439 (15.82)
MEX	1071650	0.37	1067674	423 (4.67)	398 (3.21)	379 (16.03)
NLD	184943	3.09	179228	535 (2.94)	508 (5.95)	. (.)
NZL	48638	0.69	48300	526 (2.61)	500 (4.22)	. (.)
NOR	52816	0.77	52407	495 (3.85)	480 (3.17)	465 (14.49)
POL	534900	.	534900	499 (2.94)	494 (4.99)	. (.)
PRT	96857	0.25	96616	472 (3.89)	464 (4.05)	479 (8.97)
SVK	77067	0.34	76803	499 (3.77)	481 (4.84)	448 (14.71)
ESP	344372	0.07	344114	490 (2.71)	480 (4.50)	457 (23.58)
SWE	107104	0.25	106836	515 (3.47)	497 (2.90)	500 (15.93)
CHE	86491	0.14	86370	527 (4.14)	489 (3.90)	462 (18.06)
TUR	481279	0.03	481137	443 (6.41)	428 (5.98)	391 (16.18)
GBR	698579	3.61	673362	523 (2.87)	505 (4.35)	437 (26.45)
USA	3147089	0.76	3123066	506 (2.90)	468 (4.08)	461 (14.20)
TOT	.	11.60	.	507 (1.09)	465 (1.61)	452 (6.96)
AVG	.	4.56	.	510 (0.57)	479 (0.90)	468 (3.81)
HKG	72484	0.21	72334	545 (4.21)	528 (5.16)	. (.)
IDN	1971476	.	1971476	399 (3.23)	378 (4.03)	359 (15.72)
LVA	33643	0.22	33570	491 (4.10)	487 (4.79)	. (.)
LIE	338	.	338	531 (5.51)	510 (9.99)	. (.)
MAC	6546	.	6546	529 (3.10)	514 (6.19)	. (.)
RUS	2153373	0.05	2152200	489 (3.88)	495 (5.02)	401 (17.90)
YUG	68596	0.53	68233	443 (3.96)	431 (3.67)	429 (14.25)
THA	637076	.	637076	443 (4.13)	422 (2.55)	367 (11.52)
TUN	150875	0.09	150739	394 (3.19)	373 (3.34)	342 (7.95)
URY	33775	0.15	33724	441 (3.05)	428 (5.10)	423 (29.15)

Student Questionnaire – Question 4

Q4 Who usually lives at <home> with you?

Others (e.g. brother, sister, cousin, grandparents)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.33	234809	537 (2.06)	508 (2.85)	469 (12.60)
AUT	85931	1.08	85003	509 (3.18)	505 (4.91)	. (.)
BEL	111831	1.82	109800	541 (2.27)	497 (3.67)	469 (13.70)
CAN	330436	9.70	298375	540 (1.59)	515 (2.55)	514 (9.17)
CZE	121183	4.06	116258	523 (3.18)	522 (4.14)	. (.)
DNK	51741	0.65	51406	536 (3.28)	509 (2.81)	509 (8.87)
FIN	57884	0.07	57845	553 (2.06)	540 (2.69)	545 (10.92)
FRA	734579	0.87	728167	530 (2.89)	505 (3.82)	513 (9.83)
DEU	884358	5.57	835070	530 (3.43)	502 (4.21)	435 (11.70)
GRC	105131	0.13	104991	463 (5.12)	442 (4.29)	441 (10.81)
HUN	107044	0.06	106984	514 (3.31)	486 (3.36)	403 (23.03)
ISL	3928	0.63	3903	507 (1.58)	495 (3.06)	. (.)
IRL	54850	1.03	54285	507 (2.48)	469 (3.76)	462 (17.94)
ITA	481521	0.44	479421	472 (3.35)	465 (4.12)	442 (16.73)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	555 (3.13)	540 (3.95)	. (.)
LUX	4080	0.11	4076	501 (1.77)	476 (2.78)	463 (16.54)
MEX	1071650	0.37	1067674	405 (6.08)	377 (4.04)	328 (11.98)
NLD	184943	3.09	179228	530 (2.86)	504 (5.42)	. (.)
NZL	48638	0.69	48300	538 (2.30)	513 (4.16)	. (.)
NOR	52816	0.77	52407	502 (3.43)	486 (3.00)	460 (13.94)
POL	534900	.	534900	487 (2.80)	485 (4.70)	. (.)
PRT	96857	0.25	96616	474 (4.25)	466 (4.45)	486 (9.13)
SVK	77067	0.34	76803	497 (3.36)	476 (4.65)	425 (11.28)
ESP	344372	0.07	344114	485 (2.83)	473 (4.10)	462 (17.14)
SWE	107104	0.25	106836	517 (2.76)	500 (2.68)	481 (14.41)
CHE	86491	0.14	86370	534 (3.53)	501 (3.22)	463 (17.61)
TUR	481279	0.03	481137	422 (6.05)	397 (6.41)	356 (18.02)
GBR	698579	3.61	673362	514 (2.62)	497 (4.05)	439 (22.15)
USA	3147089	0.76	3123066	493 (2.81)	453 (4.19)	440 (13.42)
TOT	.	11.60	.	501 (1.09)	456 (1.80)	437 (6.94)
AVG	.	4.56	.	511 (0.58)	478 (1.00)	457 (3.57)
HKG	72484	0.21	72334	555 (3.86)	533 (5.66)	. (.)
IDN	1971476	.	1971476	366 (3.29)	341 (4.55)	319 (18.34)
LVA	33643	0.22	33570	485 (4.11)	478 (4.93)	. (.)
LIE	338	.	338	534 (5.12)	517 (9.63)	. (.)
MAC	6546	.	6546	537 (2.86)	522 (5.51)	. (.)
RUS	2153373	0.05	2152200	479 (4.15)	486 (5.17)	346 (21.38)
YUG	68596	0.53	68233	427 (4.08)	414 (3.52)	428 (15.54)
THA	637076	.	637076	441 (3.79)	417 (2.94)	376 (14.86)
TUN	150875	0.09	150739	354 (2.66)	333 (2.87)	300 (6.54)
URY	33775	0.15	33724	413 (3.61)	400 (6.13)	355 (24.85)

Student Questionnaire – Question 5

Q5 What is your mother currently doing?
Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time %	(SE)	Working Part-time %	(SE)	Looking for work %	(SE)	Other %	(SE)	Missing %	(SE)
AUS	235591	0.35	234768	42.16	(0.50)	25.64	(0.54)	4.18	(0.28)	25.87	(0.56)	2.15	(0.16)
AUT	85931	1.08	85003	36.44	(0.95)	30.94	(0.90)	2.63	(0.30)	27.27	(1.10)	2.71	(0.27)
BEL	111831	1.81	109811	41.75	(0.80)	22.92	(0.46)	4.93	(0.27)	28.25	(0.74)	2.15	(0.20)
CAN	330436	9.70	298375	57.92	(0.58)	18.18	(0.44)	5.22	(0.28)	16.10	(0.45)	2.59	(0.19)
CZE	121183	4.09	116228	77.45	(0.57)	5.12	(0.34)	5.22	(0.35)	10.73	(0.39)	1.48	(0.17)
DNK	51741	0.65	51406	67.64	(0.96)	12.90	(0.61)	5.49	(0.36)	11.77	(0.64)	2.20	(0.24)
FIN	57884	0.07	57845	70.25	(0.65)	10.36	(0.41)	5.92	(0.39)	11.69	(0.46)	1.78	(0.22)
FRA	734579	0.87	728167	52.45	(1.21)	18.26	(0.70)	6.39	(0.43)	21.23	(0.94)	1.67	(0.22)
DEU	884358	5.57	835070	32.11	(0.81)	37.91	(0.83)	5.18	(0.35)	21.87	(0.74)	2.92	(0.31)
GRC	105131	0.13	104991	42.31	(0.97)	7.86	(0.43)	8.78	(0.53)	39.41	(0.90)	1.64	(0.21)
HUN	107044	0.06	106984	64.73	(0.91)	7.22	(0.39)	6.37	(0.41)	20.10	(0.84)	1.57	(0.16)
ISL	3928	0.63	3903	70.06	(0.70)	14.59	(0.56)	2.35	(0.23)	11.97	(0.58)	1.03	(0.17)
IRL	54850	1.03	54285	36.22	(0.93)	25.00	(0.80)	2.17	(0.25)	32.92	(1.05)	3.70	(0.33)
ITA	481521	0.13	480903	34.84	(0.84)	23.02	(0.69)	3.24	(0.25)	37.37	(0.77)	1.52	(0.19)
JPN	1240054	0.19	1237683	33.49	(1.25)	38.13	(0.98)	3.22	(0.28)	22.94	(0.72)	2.22	(0.51)
KOR	533504	0.04	533284	32.43	(0.68)	11.95	(0.59)	3.47	(0.23)	50.26	(0.81)	1.90	(0.19)
LUX	4080	0.11	4076	32.09	(0.76)	25.56	(0.72)	2.68	(0.30)	36.11	(0.80)	3.56	(0.31)
MEX	1071650	0.37	1067674	17.59	(0.73)	18.05	(0.72)	5.31	(0.36)	54.70	(1.04)	4.35	(0.42)
NLD	184943	3.34	178772	26.47	(0.93)	44.60	(1.15)	4.50	(0.38)	22.10	(0.92)	2.33	(0.28)
NZL	48638	1.50	47909	50.24	(0.76)	25.47	(0.66)	4.47	(0.35)	18.64	(0.60)	1.18	(0.18)
NOR	52816	0.77	52407	57.18	(0.98)	24.79	(0.76)	2.71	(0.24)	13.74	(0.66)	1.58	(0.20)
POL	534900	.	534900	50.09	(0.98)	7.82	(0.43)	15.92	(0.73)	24.97	(0.84)	1.19	(0.17)
PRT	96857	0.25	96616	61.24	(1.21)	10.02	(0.56)	4.53	(0.32)	23.10	(0.97)	1.11	(0.16)
SVK	77067	0.12	76976	73.86	(0.82)	4.02	(0.24)	11.51	(0.61)	9.23	(0.43)	1.38	(0.18)
ESP	344372	0.07	344114	39.49	(1.03)	18.36	(0.62)	4.10	(0.27)	36.63	(0.96)	1.41	(0.21)
SWE	107104	0.25	106836	58.52	(0.86)	23.70	(0.72)	5.14	(0.35)	10.75	(0.53)	1.89	(0.19)
CHE	86491	0.14	86370	20.52	(0.61)	43.86	(0.73)	3.17	(0.30)	27.66	(0.91)	4.79	(0.42)
TUR	481279	0.03	481137	8.13	(0.73)	2.38	(0.28)	4.36	(0.43)	80.73	(1.02)	4.40	(0.47)
GBR	698579	3.72	672595	47.02	(0.85)	27.66	(0.58)	3.92	(0.29)	19.22	(0.64)	2.19	(0.22)
USA	3147089	0.76	3123066	59.41	(0.77)	13.95	(0.41)	5.67	(0.35)	18.32	(0.68)	2.65	(0.25)
TOT	.	1.35	.	43.29	(0.31)	20.35	(0.19)	5.37	(0.11)	28.49	(0.30)	2.51	(0.10)
AVG	.	1.26	.	46.43	(0.18)	19.96	(0.14)	5.10	(0.07)	26.27	(0.17)	2.24	(0.04)
HKG	72484	0.21	72334	36.10	(0.84)	10.71	(0.49)	5.71	(0.36)	46.81	(0.95)	0.67	(.)
IDN	1971476	.	1971476	29.34	(1.09)	15.98	(0.87)	4.18	(0.49)	40.23	(1.31)	10.27	(0.56)
LVA	33643	0.22	33570	59.79	(1.28)	12.48	(0.73)	7.60	(0.57)	18.22	(0.85)	1.91	(0.31)
LIE	338	.	338	18.10	(2.27)	40.67	(2.69)	2.98	(.)	33.70	(2.93)	4.54	(.)
MAC	6546	.	6546	47.57	(1.86)	9.24	(0.95)	9.76	(1.05)	32.94	(1.54)	0.49	(.)
RUS	2153373	0.02	2152991	71.15	(1.09)	7.80	(0.52)	6.95	(0.41)	12.49	(0.66)	1.61	(0.14)
YUG	68596	0.53	68233	55.01	(1.17)	4.62	(0.32)	11.65	(0.59)	26.30	(0.93)	2.42	(0.31)
THA	637076	.	637076	39.22	(1.24)	28.32	(0.98)	5.17	(0.47)	23.64	(0.96)	3.65	(0.51)
TUN	150875	0.07	150770	10.36	(0.86)	7.05	(0.49)	3.63	(0.32)	69.67	(1.33)	9.30	(0.59)
URY	33775	0.20	33706	36.67	(0.89)	21.62	(0.67)	9.61	(0.43)	28.15	(0.76)	3.95	(0.32)

Student Questionnaire – Question 5

Q5 What is your mother currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.35	234768	530 (2.61)	537 (2.44)	493 (6.24)	517 (2.79)	482 (8.67)
AUT	85931	1.08	85003	501 (3.91)	509 (4.60)	471 (12.26)	473 (4.99)	436 (11.52)
BEL	111831	1.81	109811	525 (2.79)	536 (3.10)	443 (8.01)	487 (4.43)	418 (11.05)
CAN	330436	9.70	298375	532 (1.66)	537 (2.64)	505 (4.44)	539 (2.66)	489 (5.58)
CZE	121183	4.09	116228	499 (2.63)	503 (7.11)	462 (6.86)	494 (5.13)	457 (12.03)
DNK	51741	0.65	51406	497 (2.84)	502 (4.73)	471 (8.66)	478 (6.28)	430 (12.90)
FIN	57884	0.07	57845	550 (1.87)	519 (3.95)	523 (4.94)	532 (4.67)	561 (9.37)
FRA	734579	0.87	728167	507 (2.73)	503 (5.50)	460 (7.95)	481 (5.57)	463 (14.74)
DEU	884358	5.57	835070	503 (4.41)	514 (4.32)	488 (8.29)	487 (5.21)	427 (10.94)
GRC	105131	0.13	104991	486 (4.74)	451 (6.78)	450 (6.87)	469 (4.64)	415 (17.20)
HUN	107044	0.06	106984	497 (2.88)	474 (5.00)	442 (6.97)	452 (4.65)	435 (13.04)
ISL	3928	0.63	3903	494 (2.02)	501 (5.19)	455 (12.70)	486 (5.38)	460 (20.92)
IRL	54850	1.03	54285	525 (3.12)	525 (3.95)	480 (11.84)	504 (3.55)	475 (10.49)
ITA	481521	0.13	480903	496 (3.35)	476 (3.54)	454 (9.85)	460 (4.26)	433 (14.49)
JPN	1240054	0.19	1237683	497 (5.12)	500 (4.52)	469 (10.58)	506 (5.28)	459 (36.00)
KOR	533504	0.04	533284	537 (3.59)	526 (4.86)	521 (7.32)	537 (3.35)	482 (10.90)
LUX	4080	0.11	4076	469 (3.10)	493 (2.68)	453 (11.56)	488 (2.52)	409 (8.79)
MEX	1071650	0.37	1067674	407 (5.95)	415 (5.84)	363 (8.15)	400 (3.97)	350 (8.59)
NLD	184943	3.34	178772	508 (3.69)	529 (3.57)	486 (8.10)	518 (4.53)	470 (10.77)
NZL	48638	1.50	47909	523 (2.87)	535 (3.83)	470 (8.82)	519 (4.03)	498 (14.69)
NOR	52816	0.77	52407	510 (2.92)	491 (4.28)	475 (10.73)	489 (6.47)	434 (19.10)
POL	534900	.	534900	515 (2.93)	489 (5.69)	460 (4.17)	491 (4.51)	393 (16.37)
PRT	96857	0.25	96616	490 (3.93)	448 (6.01)	453 (7.37)	466 (5.20)	425 (18.52)
SVK	77067	0.12	76976	480 (2.67)	451 (7.64)	423 (7.61)	460 (6.44)	411 (19.49)
ESP	344372	0.07	344114	490 (3.71)	472 (3.95)	463 (7.97)	479 (3.07)	433 (18.95)
SWE	107104	0.25	106836	521 (2.66)	517 (3.32)	472 (10.40)	503 (5.98)	459 (12.66)
CHE	86491	0.14	86370	486 (3.72)	513 (3.44)	482 (13.25)	491 (4.51)	486 (8.15)
TUR	481279	0.03	481137	495 (14.48)	428 (20.23)	391 (10.10)	442 (5.11)	386 (9.67)
GBR	698579	3.72	672595	511 (3.04)	520 (3.51)	465 (7.23)	491 (4.63)	455 (9.96)
USA	3147089	0.76	3123066	500 (3.23)	512 (4.62)	446 (8.00)	495 (5.27)	422 (10.95)
TOT	.	1.35	.	501 (1.38)	501 (1.53)	451 (2.80)	473 (1.77)	423 (5.21)
AVG	.	1.26	.	505 (0.68)	506 (0.89)	459 (1.68)	481 (1.15)	441 (2.61)
HKG	72484	0.21	72334	511 (4.45)	513 (6.36)	487 (10.03)	512 (2.85)	. (.)
IDN	1971476	.	1971476	386 (4.88)	365 (3.88)	367 (5.85)	394 (3.25)	351 (5.32)
LVA	33643	0.22	33570	499 (4.49)	484 (5.29)	452 (6.99)	489 (4.77)	457 (11.83)
LIE	338	.	338	511 (12.23)	537 (7.52)	. (.)	524 (7.35)	. (.)
MAC	6546	.	6546	496 (3.41)	515 (7.71)	475 (9.04)	503 (3.53)	. (.)
RUS	2153373	0.02	2152991	451 (3.74)	417 (7.84)	409 (9.28)	431 (5.06)	400 (14.64)
YUG	68596	0.53	68233	420 (3.99)	408 (6.84)	398 (5.48)	404 (3.41)	402 (11.23)
THA	637076	.	637076	428 (3.90)	410 (3.37)	410 (4.99)	428 (3.62)	375 (7.57)
TUN	150875	0.07	150770	405 (8.40)	390 (7.31)	371 (8.74)	378 (2.91)	309 (5.83)
URY	33775	0.20	33706	445 (4.34)	433 (5.62)	399 (8.15)	436 (5.69)	403 (11.57)

Student Questionnaire – Question 5

Q5 What is your mother currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.35	234768	528 (2.62)	537 (2.42)	499 (5.11)	514 (3.03)	479 (9.64)
AUT	85931	1.08	85003	511 (3.39)	519 (4.13)	480 (10.92)	495 (4.55)	464 (11.33)
BEL	111831	1.81	109811	547 (2.64)	559 (3.19)	466 (7.33)	508 (3.68)	445 (9.42)
CAN	330436	9.70	298375	537 (1.57)	541 (2.70)	507 (4.71)	543 (2.80)	497 (5.66)
CZE	121183	4.09	116228	527 (3.14)	516 (7.07)	482 (7.26)	515 (4.79)	493 (16.03)
DNK	51741	0.65	51406	521 (2.80)	529 (5.05)	483 (7.65)	491 (5.52)	460 (12.71)
FIN	57884	0.07	57845	551 (1.98)	526 (4.16)	517 (5.29)	537 (3.78)	535 (7.14)
FRA	734579	0.87	728167	520 (2.46)	521 (4.97)	478 (7.27)	498 (5.01)	478 (13.20)
DEU	884358	5.57	835070	514 (4.17)	522 (4.20)	495 (9.85)	499 (5.08)	452 (9.67)
GRC	105131	0.13	104991	460 (4.11)	432 (6.55)	410 (5.82)	441 (4.06)	399 (12.43)
HUN	107044	0.06	106984	506 (3.17)	483 (4.90)	448 (6.09)	458 (4.70)	443 (10.50)
ISL	3928	0.63	3903	516 (1.79)	523 (4.07)	492 (13.43)	511 (4.80)	483 (21.99)
IRL	54850	1.03	54285	507 (3.06)	511 (3.53)	480 (12.28)	496 (3.36)	467 (9.91)
ITA	481521	0.13	480903	485 (3.85)	470 (3.33)	447 (8.33)	448 (4.10)	433 (12.12)
JPN	1240054	0.19	1237683	531 (5.22)	534 (4.55)	508 (10.47)	548 (5.66)	486 (35.42)
KOR	533504	0.04	533284	548 (3.71)	527 (4.57)	518 (7.21)	546 (3.87)	491 (9.01)
LUX	4080	0.11	4076	487 (2.55)	505 (2.55)	467 (10.30)	496 (2.37)	453 (7.67)
MEX	1071650	0.37	1067674	391 (5.61)	399 (5.28)	362 (6.43)	385 (3.54)	338 (5.86)
NLD	184943	3.34	178772	532 (3.70)	558 (3.79)	508 (7.99)	538 (4.78)	499 (11.86)
NZL	48638	1.50	47909	524 (2.48)	539 (3.37)	482 (8.09)	521 (4.07)	479 (13.57)
NOR	52816	0.77	52407	505 (2.68)	488 (3.50)	474 (9.19)	479 (6.10)	449 (15.90)
POL	534900	.	534900	508 (2.57)	482 (5.61)	460 (3.90)	479 (4.10)	432 (14.99)
PRT	96857	0.25	96616	476 (3.47)	441 (5.54)	453 (7.82)	456 (4.56)	428 (15.89)
SVK	77067	0.12	76976	510 (2.81)	479 (7.42)	448 (6.99)	489 (6.90)	434 (18.29)
ESP	344372	0.07	344114	494 (3.72)	481 (3.01)	477 (6.75)	480 (2.80)	457 (11.71)
SWE	107104	0.25	106836	517 (2.74)	513 (3.37)	467 (9.68)	488 (5.70)	462 (11.14)
CHE	86491	0.14	86370	509 (3.14)	542 (3.84)	501 (11.18)	522 (4.32)	508 (7.45)
TUR	481279	0.03	481137	480 (18.71)	435 (20.20)	363 (10.50)	424 (5.91)	360 (10.74)
GBR	698579	3.72	672595	511 (2.76)	523 (3.49)	460 (6.74)	493 (4.73)	467 (8.97)
USA	3147089	0.76	3123066	486 (2.86)	495 (4.90)	450 (6.74)	486 (5.08)	420 (9.86)
TOT	.	1.35	.	501 (1.12)	507 (1.58)	456 (2.52)	472 (1.77)	428 (5.33)
AVG	.	1.26	.	512 (0.61)	515 (0.91)	464 (1.62)	482 (1.18)	451 (2.63)
HKG	72484	0.21	72334	553 (5.47)	556 (7.30)	513 (11.15)	553 (3.76)	. (.)
IDN	1971476	.	1971476	365 (5.60)	352 (4.46)	335 (6.57)	372 (3.82)	324 (5.37)
LVA	33643	0.22	33570	495 (4.34)	470 (5.10)	449 (6.40)	472 (5.07)	461 (13.45)
LIE	338	.	338	514 (11.75)	544 (7.33)	. (.)	540 (8.25)	. (.)
MAC	6546	.	6546	530 (4.71)	520 (9.44)	501 (8.86)	535 (4.62)	. (.)
RUS	2153373	0.02	2152991	473 (4.23)	456 (6.02)	445 (8.41)	466 (5.28)	443 (13.07)
YUG	68596	0.53	68233	447 (4.12)	440 (7.42)	421 (5.82)	425 (4.14)	421 (13.06)
THA	637076	.	637076	427 (4.09)	404 (3.53)	396 (4.26)	426 (3.45)	380 (8.67)
TUN	150875	0.07	150770	395 (8.24)	387 (7.09)	349 (7.09)	358 (2.39)	309 (3.88)
URY	33775	0.20	33706	435 (3.78)	425 (4.76)	384 (5.84)	422 (4.60)	392 (9.64)

Student Questionnaire – Question 5

Q5 What is your mother currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.35	234768	530 (2.73)	539 (2.48)	496 (7.03)	514 (3.03)	477 (8.13)
AUT	85931	1.08	85003	499 (3.70)	506 (4.39)	463 (11.56)	477 (4.67)	447 (12.33)
BEL	111831	1.81	109811	528 (2.77)	534 (3.16)	447 (8.10)	487 (4.01)	425 (9.93)
CAN	330436	9.70	298375	523 (1.93)	530 (3.13)	487 (5.53)	532 (3.09)	478 (6.90)
CZE	121183	4.09	116228	533 (3.03)	525 (7.84)	490 (7.68)	516 (5.39)	497 (15.92)
DNK	51741	0.65	51406	480 (3.04)	492 (5.80)	454 (8.21)	453 (6.38)	409 (13.49)
FIN	57884	0.07	57845	554 (2.19)	532 (4.66)	523 (5.79)	544 (4.79)	549 (9.63)
FRA	734579	0.87	728167	520 (2.93)	522 (5.97)	482 (8.56)	496 (6.22)	497 (16.41)
DEU	884358	5.57	835070	516 (4.34)	524 (4.60)	491 (10.47)	494 (5.73)	447 (10.86)
GRC	105131	0.13	104991	496 (4.54)	465 (6.72)	454 (7.34)	476 (3.92)	436 (14.59)
HUN	107044	0.06	106984	520 (3.33)	499 (4.59)	451 (6.75)	475 (4.67)	431 (12.57)
ISL	3928	0.63	3903	496 (1.98)	501 (4.27)	471 (12.62)	492 (4.98)	458 (20.30)
IRL	54850	1.03	54285	509 (3.23)	516 (3.79)	491 (13.16)	498 (4.16)	461 (9.02)
ITA	481521	0.13	480903	508 (3.79)	491 (3.72)	451 (10.59)	468 (4.22)	450 (16.71)
JPN	1240054	0.19	1237683	548 (5.40)	546 (4.75)	519 (10.80)	560 (6.25)	485 (34.95)
KOR	533504	0.04	533284	543 (3.99)	523 (5.25)	527 (7.60)	542 (4.07)	492 (10.96)
LUX	4080	0.11	4076	475 (3.15)	497 (2.88)	449 (12.54)	487 (2.62)	436 (8.53)
MEX	1071650	0.37	1067674	410 (5.46)	418 (5.10)	382 (7.40)	404 (3.31)	367 (7.01)
NLD	184943	3.34	178772	517 (4.41)	544 (4.24)	489 (9.01)	522 (5.53)	477 (11.55)
NZL	48638	1.50	47909	520 (2.55)	537 (3.91)	477 (8.46)	518 (4.53)	496 (14.26)
NOR	52816	0.77	52407	495 (3.13)	477 (4.31)	457 (10.63)	468 (6.59)	424 (18.41)
POL	534900	.	534900	517 (3.01)	490 (6.18)	466 (4.28)	484 (4.99)	465 (17.05)
PRT	96857	0.25	96616	477 (3.59)	439 (6.33)	460 (7.35)	461 (5.10)	422 (17.66)
SVK	77067	0.12	76976	507 (2.92)	477 (8.74)	439 (10.13)	488 (7.93)	417 (24.07)
ESP	344372	0.07	344114	497 (4.05)	484 (3.93)	487 (7.44)	478 (2.87)	479 (16.58)
SWE	107104	0.25	106836	516 (3.24)	507 (3.93)	445 (10.92)	491 (6.36)	452 (12.48)
CHE	86491	0.14	86370	495 (4.09)	528 (3.98)	505 (14.35)	507 (4.59)	494 (7.77)
TUR	481279	0.03	481137	489 (15.55)	440 (19.61)	384 (9.75)	434 (5.29)	388 (10.09)
GBR	698579	3.72	672595	522 (2.90)	540 (3.79)	474 (7.27)	496 (5.20)	455 (10.92)
USA	3147089	0.76	3123066	495 (3.18)	506 (5.24)	447 (7.48)	492 (4.95)	437 (10.27)
TOT	.	1.35	.	508 (1.27)	514 (1.67)	460 (2.55)	479 (1.69)	439 (5.12)
AVG	.	1.26	.	510 (0.64)	514 (0.97)	465 (1.84)	484 (1.16)	450 (2.67)
HKG	72484	0.21	72334	544 (5.42)	549 (7.12)	510 (10.80)	539 (3.45)	. (.)
IDN	1971476	.	1971476	399 (4.80)	384 (3.60)	376 (6.76)	404 (3.24)	374 (4.30)
LVA	33643	0.22	33570	498 (4.34)	473 (5.79)	454 (6.75)	488 (4.77)	470 (17.43)
LIE	338	.	338	504 (15.29)	538 (8.51)	. (.)	525 (7.26)	. (.)
MAC	6546	.	6546	526 (5.19)	527 (9.89)	508 (10.87)	529 (5.25)	. (.)
RUS	2153373	0.02	2152991	497 (4.04)	464 (6.82)	459 (9.08)	486 (5.79)	453 (12.37)
YUG	68596	0.53	68233	444 (4.04)	447 (6.87)	427 (5.37)	425 (3.80)	417 (12.82)
THA	637076	.	637076	439 (3.76)	419 (3.53)	416 (5.17)	435 (3.71)	386 (7.72)
TUN	150875	0.07	150770	412 (8.53)	408 (7.50)	383 (7.70)	384 (2.45)	339 (5.84)
URY	33775	0.20	33706	450 (4.07)	435 (5.08)	410 (6.98)	439 (4.28)	415 (10.73)

Student Questionnaire – Question 5

Q5 What is your mother currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.35	234768	532 (2.37)	543 (2.25)	500 (5.37)	521 (2.76)	503 (9.51)
AUT	85931	1.08	85003	512 (3.47)	518 (3.87)	483 (11.94)	494 (4.24)	487 (10.71)
BEL	111831	1.81	109811	541 (2.60)	553 (2.79)	470 (6.86)	507 (3.67)	438 (9.01)
CAN	330436	9.70	298375	534 (1.56)	540 (2.61)	511 (4.58)	540 (3.00)	489 (5.63)
CZE	121183	4.09	116228	527 (2.93)	520 (6.70)	485 (7.22)	513 (5.01)	483 (14.96)
DNK	51741	0.65	51406	523 (2.62)	533 (4.85)	478 (7.36)	491 (5.39)	469 (12.90)
FIN	57884	0.07	57845	552 (2.01)	531 (3.89)	528 (5.14)	545 (4.18)	544 (8.63)
FRA	734579	0.87	728167	530 (2.57)	531 (5.26)	486 (7.66)	499 (4.96)	483 (15.95)
DEU	884358	5.57	835070	524 (4.10)	527 (4.04)	503 (8.96)	508 (5.10)	469 (10.22)
GRC	105131	0.13	104991	461 (4.40)	437 (6.42)	426 (5.93)	446 (4.48)	388 (14.19)
HUN	107044	0.06	106984	518 (3.22)	497 (5.67)	454 (5.84)	467 (4.84)	460 (12.51)
ISL	3928	0.63	3903	506 (1.71)	511 (4.28)	476 (12.34)	502 (4.18)	479 (22.40)
IRL	54850	1.03	54285	503 (2.94)	506 (3.43)	478 (10.98)	490 (3.23)	471 (8.59)
ITA	481521	0.13	480903	492 (3.82)	469 (3.49)	436 (9.43)	455 (4.22)	416 (13.56)
JPN	1240054	0.19	1237683	544 (5.31)	549 (4.73)	524 (11.48)	560 (5.48)	477 (35.09)
KOR	533504	0.04	533284	552 (3.46)	542 (4.68)	525 (7.44)	555 (3.47)	506 (10.05)
LUX	4080	0.11	4076	483 (2.73)	505 (2.66)	468 (10.08)	500 (2.67)	458 (8.12)
MEX	1071650	0.37	1067674	395 (6.76)	396 (6.49)	359 (8.38)	384 (4.17)	328 (7.73)
NLD	184943	3.34	178772	512 (3.72)	539 (3.98)	481 (8.21)	518 (4.84)	476 (12.68)
NZL	48638	1.50	47909	533 (2.50)	547 (3.33)	482 (7.90)	533 (3.89)	500 (15.07)
NOR	52816	0.77	52407	501 (2.76)	480 (3.93)	462 (10.59)	478 (6.95)	440 (17.33)
POL	534900	.	534900	504 (3.08)	480 (5.97)	461 (3.78)	473 (4.45)	416 (17.42)
PRT	96857	0.25	96616	483 (3.75)	441 (6.66)	445 (8.31)	455 (5.08)	429 (18.37)
SVK	77067	0.12	76976	504 (2.86)	473 (7.74)	441 (7.64)	480 (6.67)	424 (17.36)
ESP	344372	0.07	344114	494 (4.05)	478 (3.33)	463 (7.77)	475 (3.08)	453 (15.74)
SWE	107104	0.25	106836	515 (2.53)	516 (3.33)	459 (9.11)	489 (5.55)	473 (11.30)
CHE	86491	0.14	86370	506 (3.24)	536 (3.37)	496 (12.87)	516 (4.01)	498 (6.81)
TUR	481279	0.03	481137	464 (16.31)	419 (20.89)	346 (11.28)	408 (5.15)	339 (10.55)
GBR	698579	3.72	672595	514 (2.79)	523 (3.56)	475 (7.23)	491 (4.38)	462 (8.61)
USA	3147089	0.76	3123066	478 (3.06)	490 (5.04)	451 (7.68)	482 (5.24)	421 (10.87)
TOT	.	1.35	.	501 (1.21)	510 (1.73)	458 (2.75)	472 (1.86)	425 (5.37)
AVG	.	1.26	.	512 (0.62)	515 (0.92)	464 (1.74)	481 (1.23)	450 (2.78)
HKG	72484	0.21	72334	548 (5.13)	556 (7.04)	508 (10.32)	551 (3.39)	. (.)
IDN	1971476	.	1971476	363 (4.98)	351 (3.95)	343 (6.55)	373 (3.28)	334 (5.12)
LVA	33643	0.22	33570	493 (4.67)	471 (5.76)	445 (6.11)	475 (4.79)	467 (14.18)
LIE	338	.	338	511 (11.90)	542 (6.90)	. (.)	529 (7.67)	. (.)
MAC	6546	.	6546	531 (3.96)	525 (8.96)	520 (7.89)	542 (4.52)	. (.)
RUS	2153373	0.02	2152991	485 (4.54)	459 (9.10)	449 (9.91)	474 (5.54)	466 (12.43)
YUG	68596	0.53	68233	432 (3.78)	416 (7.40)	399 (5.34)	411 (3.47)	387 (12.92)
THA	637076	.	637076	432 (3.74)	416 (3.49)	407 (5.63)	434 (3.58)	379 (8.80)
TUN	150875	0.07	150770	376 (6.96)	363 (7.11)	338 (6.79)	346 (2.11)	288 (4.01)
URY	33775	0.20	33706	425 (4.02)	416 (5.11)	366 (7.21)	407 (6.19)	386 (9.29)

Student Questionnaire – Question 6

Q6 What is your father currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time %	(SE)	Working Part-time %	(SE)	Looking for work %	(SE)	Other %	(SE)	Missing %	(SE)
AUS	235591	0.42	234601	80.09	(0.66)	5.63	(0.24)	2.59	(0.23)	7.70	(0.36)	3.99	(0.24)
AUT	85931	1.12	84971	82.33	(0.61)	5.58	(0.35)	2.24	(0.30)	6.03	(0.41)	3.82	(0.31)
BEL	111831	1.81	109808	79.13	(0.56)	4.47	(0.25)	2.97	(0.23)	8.59	(0.45)	4.84	(0.23)
CAN	330436	9.70	298375	83.14	(0.48)	4.66	(0.23)	2.90	(0.21)	5.48	(0.22)	3.82	(0.18)
CZE	121183	4.09	116228	84.80	(0.61)	3.11	(0.35)	2.93	(0.24)	4.63	(0.29)	4.53	(0.30)
DNK	51741	0.65	51406	81.58	(0.80)	3.92	(0.34)	2.99	(0.36)	7.10	(0.54)	4.41	(0.39)
FIN	57884	0.07	57845	78.73	(0.68)	4.91	(0.30)	4.30	(0.31)	7.53	(0.42)	4.53	(0.31)
FRA	734579	0.87	728167	79.68	(0.87)	4.75	(0.34)	4.13	(0.32)	6.48	(0.43)	4.95	(0.42)
DEU	884358	5.57	835070	77.19	(0.86)	7.17	(0.45)	5.16	(0.38)	4.83	(0.33)	5.64	(0.44)
GRC	105131	0.13	104991	81.10	(0.82)	6.46	(0.49)	1.95	(0.24)	7.37	(0.44)	3.12	(0.27)
HUN	107044	0.06	106984	72.95	(0.78)	5.99	(0.36)	5.38	(0.46)	10.02	(0.50)	5.66	(0.38)
ISL	3928	0.63	3903	90.82	(0.52)	3.22	(0.31)	1.23	(0.20)	2.67	(0.27)	2.06	(0.22)
IRL	54850	1.03	54285	79.91	(0.91)	3.97	(0.31)	1.68	(0.26)	8.77	(0.54)	5.67	(0.54)
ITA	481521	0.12	480920	79.22	(0.63)	11.24	(0.49)	1.41	(0.21)	5.47	(0.34)	2.66	(0.25)
JPN	1240054	0.34	1235867	86.69	(0.69)	3.42	(0.29)	1.17	(0.17)	2.57	(0.22)	6.14	(0.56)
KOR	533504	0.04	533284	77.07	(0.74)	9.21	(0.46)	2.25	(0.21)	8.75	(0.54)	2.72	(0.21)
LUX	4080	0.08	4077	84.15	(0.56)	3.84	(0.28)	1.43	(0.18)	5.60	(0.35)	4.98	(0.35)
MEX	1071650	0.37	1067674	57.09	(1.03)	18.56	(0.57)	3.72	(0.34)	10.91	(0.87)	9.72	(0.55)
NLD	184943	3.45	178554	83.31	(0.90)	4.84	(0.39)	2.31	(0.26)	6.07	(0.49)	3.47	(0.42)
NZL	48638	4.15	46619	83.92	(0.66)	5.57	(0.38)	2.48	(0.27)	6.56	(0.41)	1.46	(0.23)
NOR	52816	0.77	52407	81.26	(0.67)	6.70	(0.43)	2.01	(0.22)	7.06	(0.46)	2.97	(0.25)
POL	534900	.	534900	62.21	(1.05)	7.00	(0.46)	11.93	(0.61)	14.27	(0.61)	4.58	(0.38)
PRT	96857	0.25	96616	80.09	(0.83)	7.64	(0.52)	2.56	(0.34)	6.26	(0.39)	3.44	(0.27)
SVK	77067	0.14	76958	78.07	(0.92)	3.74	(0.27)	8.24	(0.63)	5.51	(0.33)	4.45	(0.29)
ESP	344372	0.07	344114	78.98	(0.80)	8.98	(0.43)	2.51	(0.24)	5.19	(0.33)	4.33	(0.38)
SWE	107104	0.25	106836	78.27	(0.70)	8.47	(0.42)	3.63	(0.27)	5.59	(0.38)	4.05	(0.33)
CHE	86491	0.14	86370	84.75	(0.46)	4.69	(0.27)	2.37	(0.25)	4.65	(0.34)	3.54	(0.26)
TUR	481279	0.03	481137	51.19	(1.28)	9.91	(0.54)	6.73	(0.50)	25.91	(0.93)	6.26	(0.67)
GBR	698579	3.63	673211	79.22	(0.80)	4.57	(0.33)	3.27	(0.26)	6.54	(0.43)	6.40	(0.41)
USA	3147089	0.76	3123066	77.29	(0.86)	4.39	(0.28)	3.00	(0.25)	8.66	(0.51)	6.66	(0.45)
TOT	.	1.38	.	75.68	(0.30)	6.89	(0.12)	3.56	(0.10)	8.11	(0.19)	5.76	(0.15)
AVG	.	1.36	.	78.43	(0.15)	6.24	(0.06)	3.39	(0.05)	7.45	(0.10)	4.50	(0.07)
HKG	72484	0.21	72334	73.03	(0.98)	7.42	(0.42)	8.04	(0.42)	9.65	(0.61)	1.86	(0.21)
IDN	1971476	0.09	1969640	37.70	(1.29)	38.13	(1.11)	5.12	(0.35)	7.04	(0.46)	12.00	(0.53)
LVA	33643	0.22	33570	60.06	(1.31)	12.08	(0.82)	7.80	(0.70)	9.37	(0.81)	10.69	(0.76)
LIE	338	.	338	89.41	(1.57)	3.66	(.)	0.91	(.)	4.22	(.)	1.81	(.)
MAC	6546	.	6546	66.10	(1.39)	11.59	(1.03)	12.79	(1.14)	8.35	(1.01)	1.17	(.)
RUS	2153373	0.02	2152991	68.89	(1.08)	6.19	(0.39)	5.87	(0.66)	6.41	(0.34)	12.64	(0.66)
YUG	68596	0.57	68203	70.06	(0.83)	6.59	(0.41)	6.38	(0.42)	11.88	(0.56)	5.09	(0.40)
THA	637076	.	637076	50.11	(1.28)	28.60	(1.03)	4.50	(0.43)	11.45	(0.71)	5.33	(0.47)
TUN	150875	0.07	150770	52.29	(1.00)	19.95	(0.71)	5.71	(0.46)	13.49	(0.83)	8.56	(0.49)
URY	33775	0.62	33566	62.53	(0.88)	17.78	(0.82)	5.99	(0.42)	5.87	(0.37)	7.84	(0.38)

Student Questionnaire – Question 6

Q6 What is your father currently doing?
Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.42	234601	532 (2.12)	518 (5.06)	492 (7.74)	505 (6.70)	483 (6.64)
AUT	85931	1.12	84971	499 (3.52)	453 (7.28)	458 (11.42)	495 (7.61)	452 (9.55)
BEL	111831	1.81	109808	524 (2.63)	485 (7.08)	435 (10.50)	471 (6.88)	429 (7.41)
CAN	330436	9.70	298375	535 (1.60)	509 (4.73)	505 (6.69)	529 (3.78)	495 (5.57)
CZE	121183	4.09	116228	500 (2.73)	466 (8.96)	474 (9.32)	485 (7.37)	472 (7.14)
DNK	51741	0.65	51406	497 (2.78)	476 (8.88)	471 (11.47)	476 (6.81)	463 (9.61)
FIN	57884	0.07	57845	547 (1.75)	525 (6.21)	522 (5.75)	531 (4.78)	539 (6.18)
FRA	734579	0.87	728167	504 (2.52)	470 (7.67)	460 (9.43)	479 (9.60)	462 (8.41)
DEU	884358	5.57	835070	512 (3.28)	469 (7.89)	471 (8.04)	475 (7.77)	446 (9.95)
GRC	105131	0.13	104991	477 (4.06)	438 (8.75)	434 (12.65)	466 (7.29)	451 (13.46)
HUN	107044	0.06	106984	490 (2.62)	463 (5.57)	451 (10.01)	469 (6.18)	454 (6.50)
ISL	3928	0.63	3903	494 (1.65)	470 (10.11)	479 (15.84)	494 (11.53)	471 (12.73)
IRL	54850	1.03	54285	522 (2.46)	486 (11.23)	465 (12.93)	496 (5.36)	488 (9.16)
ITA	481521	0.12	480920	482 (2.95)	444 (5.58)	444 (14.32)	476 (6.95)	444 (11.83)
JPN	1240054	0.34	1235867	505 (3.85)	439 (10.02)	476 (14.51)	500 (12.49)	449 (15.17)
KOR	533504	0.04	533284	541 (3.17)	519 (5.29)	513 (11.73)	508 (5.78)	497 (8.43)
LUX	4080	0.08	4077	487 (1.43)	439 (8.22)	427 (13.62)	462 (7.80)	422 (8.15)
MEX	1071650	0.37	1067674	405 (4.07)	398 (4.46)	383 (8.60)	392 (8.17)	390 (9.04)
NLD	184943	3.45	178554	521 (2.77)	515 (8.37)	494 (9.71)	505 (7.78)	461 (8.50)
NZL	48638	4.15	46619	529 (2.49)	495 (7.39)	460 (11.74)	514 (7.74)	456 (15.92)
NOR	52816	0.77	52407	507 (2.70)	477 (6.87)	484 (12.35)	467 (6.91)	454 (12.29)
POL	534900	.	534900	509 (2.91)	474 (6.42)	474 (5.12)	483 (4.59)	467 (10.31)
PRT	96857	0.25	96616	484 (3.42)	447 (7.56)	447 (14.40)	468 (7.11)	436 (9.92)
SVK	77067	0.14	76958	479 (2.68)	451 (7.92)	412 (8.77)	454 (7.37)	444 (7.39)
ESP	344372	0.07	344114	484 (2.59)	466 (6.04)	451 (10.70)	487 (5.64)	462 (9.01)
SWE	107104	0.25	106836	521 (2.27)	493 (5.94)	479 (10.37)	499 (10.02)	483 (8.55)
CHE	86491	0.14	86370	504 (3.00)	487 (7.40)	459 (17.76)	465 (8.12)	461 (9.06)
TUR	481279	0.03	481137	454 (6.56)	425 (6.88)	405 (7.68)	441 (6.07)	397 (9.31)
GBR	698579	3.63	673211	514 (2.63)	493 (7.92)	464 (8.80)	486 (8.54)	470 (6.33)
USA	3147089	0.76	3123066	505 (2.77)	450 (8.02)	457 (10.15)	485 (7.54)	450 (8.33)
TOT	.	1.38	.	499 (1.09)	449 (2.44)	454 (2.90)	469 (3.00)	444 (3.32)
AVG	.	1.36	.	503 (0.59)	465 (1.68)	458 (2.01)	476 (1.60)	454 (1.87)
HKG	72484	0.21	72334	517 (3.69)	498 (4.39)	485 (6.80)	496 (5.24)	445 (17.21)
IDN	1971476	0.09	1969640	399 (4.28)	372 (3.19)	362 (6.25)	385 (6.13)	365 (5.16)
LVA	33643	0.22	33570	499 (4.09)	477 (5.76)	473 (7.93)	499 (7.27)	467 (6.22)
LIE	338	.	338	529 (3.95)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	500 (2.97)	488 (6.70)	499 (6.36)	489 (7.81)	. (.)
RUS	2153373	0.02	2152991	447 (3.84)	418 (7.95)	432 (6.70)	438 (6.87)	433 (5.60)
YUG	68596	0.57	68203	415 (3.50)	413 (7.66)	406 (7.74)	401 (5.22)	409 (7.52)
THA	637076	.	637076	431 (3.46)	408 (3.30)	409 (5.46)	419 (4.66)	390 (6.81)
TUN	150875	0.07	150770	388 (3.50)	375 (4.44)	335 (6.70)	370 (5.44)	326 (5.97)
URY	33775	0.62	33566	442 (3.57)	432 (6.68)	410 (9.74)	423 (9.57)	402 (9.19)

Student Questionnaire – Question 6

Q6 What is your father currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.42	234601	531 (2.04)	508 (5.10)	490 (6.96)	501 (6.32)	479 (7.81)
AUT	85931	1.12	84971	512 (3.13)	473 (6.36)	496 (10.04)	501 (7.20)	480 (7.83)
BEL	111831	1.81	109808	547 (2.42)	502 (6.43)	457 (9.30)	487 (6.01)	453 (6.12)
CAN	330436	9.70	298375	541 (1.63)	503 (4.03)	512 (6.49)	524 (4.05)	501 (5.55)
CZE	121183	4.09	116228	526 (3.15)	489 (9.66)	502 (10.69)	514 (6.72)	500 (8.35)
DNK	51741	0.65	51406	522 (2.71)	486 (8.26)	471 (9.96)	492 (6.94)	476 (9.11)
FIN	57884	0.07	57845	549 (1.97)	526 (6.58)	527 (5.98)	528 (4.73)	523 (5.45)
FRA	734579	0.87	728167	519 (2.30)	482 (7.80)	482 (8.27)	491 (8.59)	477 (8.13)
DEU	884358	5.57	835070	522 (3.23)	478 (6.71)	476 (6.93)	489 (7.32)	462 (8.76)
GRC	105131	0.13	104991	449 (3.79)	411 (7.65)	411 (11.08)	444 (6.44)	434 (11.39)
HUN	107044	0.06	106984	499 (3.02)	465 (5.99)	454 (9.65)	476 (5.64)	459 (6.34)
ISL	3928	0.63	3903	517 (1.53)	489 (9.01)	482 (15.39)	529 (9.44)	490 (11.72)
IRL	54850	1.03	54285	510 (2.32)	473 (10.51)	460 (12.75)	481 (5.41)	472 (7.31)
ITA	481521	0.12	480920	472 (2.93)	432 (4.81)	432 (10.31)	470 (6.71)	422 (11.61)
JPN	1240054	0.34	1235867	541 (4.02)	474 (9.15)	520 (14.22)	521 (12.61)	489 (13.90)
KOR	533504	0.04	533284	551 (3.49)	516 (4.63)	510 (10.76)	509 (6.04)	502 (8.48)
LUX	4080	0.08	4077	499 (1.07)	454 (8.22)	466 (13.43)	476 (6.62)	453 (6.37)
MEX	1071650	0.37	1067674	392 (3.72)	381 (3.99)	367 (7.11)	379 (6.71)	368 (7.29)
NLD	184943	3.45	178554	548 (2.86)	534 (8.62)	515 (11.31)	527 (7.84)	483 (9.04)
NZL	48638	4.15	46619	530 (2.20)	512 (7.54)	489 (10.79)	512 (6.76)	463 (15.75)
NOR	52816	0.77	52407	501 (2.33)	476 (5.95)	472 (9.80)	473 (5.50)	448 (9.79)
POL	534900	.	534900	502 (2.58)	464 (5.66)	464 (4.56)	479 (4.20)	467 (9.99)
PRT	96857	0.25	96616	474 (2.97)	433 (7.93)	431 (12.67)	446 (5.63)	418 (8.64)
SVK	77067	0.14	76958	507 (2.86)	465 (8.43)	449 (9.55)	483 (9.12)	476 (8.59)
ESP	344372	0.07	344114	490 (2.51)	462 (4.84)	460 (9.43)	486 (6.05)	468 (7.67)
SWE	107104	0.25	106836	516 (2.41)	490 (6.76)	476 (9.92)	494 (8.63)	475 (8.45)
CHE	86491	0.14	86370	532 (3.15)	516 (7.08)	489 (14.12)	497 (8.53)	480 (10.77)
TUR	481279	0.03	481137	438 (7.95)	405 (7.59)	384 (7.69)	424 (6.88)	371 (10.65)
GBR	698579	3.63	673211	514 (2.55)	498 (7.56)	478 (8.01)	486 (8.66)	471 (6.34)
USA	3147089	0.76	3123066	492 (2.67)	438 (7.58)	465 (9.24)	468 (6.45)	438 (7.23)
TOT	.	1.38	.	502 (1.01)	444 (2.28)	457 (2.67)	463 (2.96)	443 (3.28)
AVG	.	1.36	.	510 (0.58)	464 (1.75)	464 (1.96)	476 (1.64)	458 (1.98)
HKG	72484	0.21	72334	560 (4.66)	531 (4.94)	523 (6.71)	525 (6.96)	496 (17.01)
IDN	1971476	0.09	1969640	379 (5.43)	351 (3.60)	341 (6.99)	357 (6.30)	342 (4.72)
LVA	33643	0.22	33570	492 (4.17)	463 (4.71)	460 (6.94)	487 (6.30)	475 (6.13)
LIE	338	.	338	540 (4.90)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	530 (3.88)	529 (8.56)	515 (8.68)	523 (11.56)	. (.)
RUS	2153373	0.02	2152991	474 (4.12)	449 (7.98)	456 (8.03)	471 (6.07)	454 (5.21)
YUG	68596	0.57	68203	441 (3.85)	424 (7.39)	430 (6.53)	424 (4.99)	436 (7.33)
THA	637076	.	637076	429 (3.84)	406 (3.48)	396 (6.03)	414 (4.25)	392 (6.81)
TUN	150875	0.07	150770	367 (3.15)	366 (3.66)	334 (5.27)	351 (4.21)	322 (4.71)
URY	33775	0.62	33566	432 (3.54)	417 (4.97)	388 (6.47)	411 (7.03)	393 (6.02)

Student Questionnaire – Question 6

Q6 What is your father currently doing?

Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.42	234601	532 (2.15)	504 (5.05)	494 (7.97)	508 (6.99)	483 (6.43)
AUT	85931	1.12	84971	497 (3.30)	455 (6.80)	467 (10.65)	490 (6.96)	473 (8.43)
BEL	111831	1.81	109808	525 (2.55)	479 (7.21)	444 (10.34)	470 (6.25)	437 (6.30)
CAN	330436	9.70	298375	527 (1.83)	492 (4.73)	509 (7.01)	517 (4.25)	477 (5.74)
CZE	121183	4.09	116228	532 (3.06)	489 (10.45)	513 (11.56)	519 (7.69)	509 (8.38)
DNK	51741	0.65	51406	483 (2.99)	437 (9.66)	445 (13.83)	461 (7.98)	413 (9.08)
FIN	57884	0.07	57845	553 (2.03)	533 (6.93)	520 (6.46)	538 (6.11)	532 (7.06)
FRA	734579	0.87	728167	521 (2.85)	479 (8.54)	474 (11.42)	490 (10.06)	472 (9.48)
DEU	884358	5.57	835070	523 (3.45)	472 (7.53)	472 (7.50)	481 (8.37)	463 (9.54)
GRC	105131	0.13	104991	486 (3.75)	442 (8.17)	430 (12.57)	477 (7.70)	466 (11.38)
HUN	107044	0.06	106984	511 (3.08)	481 (6.03)	476 (10.73)	493 (6.18)	470 (6.24)
ISL	3928	0.63	3903	496 (1.56)	466 (9.48)	486 (16.83)	508 (9.93)	481 (11.39)
IRL	54850	1.03	54285	512 (2.53)	480 (10.82)	468 (13.52)	475 (6.81)	475 (7.94)
ITA	481521	0.12	480920	494 (3.07)	445 (5.28)	457 (11.85)	489 (7.44)	451 (12.67)
JPN	1240054	0.34	1235867	554 (4.13)	492 (9.03)	534 (15.04)	532 (13.43)	508 (13.09)
KOR	533504	0.04	533284	546 (3.76)	515 (5.49)	515 (13.37)	515 (6.79)	504 (9.94)
LUX	4080	0.08	4077	489 (1.69)	443 (9.07)	452 (14.80)	470 (8.85)	432 (7.71)
MEX	1071650	0.37	1067674	411 (3.54)	402 (4.07)	401 (7.00)	402 (6.28)	380 (6.94)
NLD	184943	3.45	178554	533 (3.13)	523 (8.98)	493 (12.44)	508 (8.64)	467 (9.67)
NZL	48638	4.15	46619	528 (2.39)	500 (7.99)	487 (11.65)	504 (7.34)	460 (15.07)
NOR	52816	0.77	52407	493 (2.71)	457 (6.42)	456 (14.96)	440 (7.16)	429 (12.80)
POL	534900	.	534900	513 (3.06)	466 (6.51)	468 (5.08)	480 (4.57)	478 (10.43)
PRT	96857	0.25	96616	475 (3.13)	429 (7.11)	438 (12.83)	463 (6.52)	416 (10.98)
SVK	77067	0.14	76958	505 (3.00)	461 (9.16)	443 (13.05)	482 (9.23)	468 (8.93)
ESP	344372	0.07	344114	490 (2.71)	472 (5.85)	465 (10.91)	492 (6.07)	472 (9.11)
SWE	107104	0.25	106836	515 (2.87)	478 (7.09)	472 (10.90)	488 (10.07)	461 (9.46)
CHE	86491	0.14	86370	517 (3.47)	512 (8.45)	473 (18.49)	482 (10.38)	478 (11.17)
TUR	481279	0.03	481137	449 (6.95)	415 (6.17)	392 (6.94)	437 (5.82)	381 (9.85)
GBR	698579	3.63	673211	525 (2.68)	503 (9.81)	484 (9.28)	499 (9.40)	477 (7.05)
USA	3147089	0.76	3123066	502 (2.73)	449 (8.44)	464 (10.07)	476 (6.64)	439 (8.12)
TOT	.	1.38	.	509 (1.04)	452 (2.09)	461 (2.74)	471 (2.66)	448 (3.21)
AVG	.	1.36	.	509 (0.56)	465 (1.61)	464 (1.99)	478 (1.58)	457 (1.83)
HKG	72484	0.21	72334	549 (4.31)	524 (5.16)	513 (7.40)	510 (6.79)	488 (16.08)
IDN	1971476	0.09	1969640	409 (4.30)	386 (2.91)	375 (4.90)	397 (5.89)	385 (3.98)
LVA	33643	0.22	33570	498 (4.21)	466 (5.72)	472 (9.58)	498 (7.17)	474 (6.23)
LIE	338	.	338	528 (4.98)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	528 (4.04)	515 (8.83)	523 (7.62)	521 (11.00)	. (.)
RUS	2153373	0.02	2152991	495 (4.17)	475 (8.81)	479 (8.24)	493 (6.90)	469 (5.52)
YUG	68596	0.57	68203	442 (3.54)	435 (7.26)	427 (6.37)	425 (4.51)	410 (7.62)
THA	637076	.	637076	440 (3.65)	418 (3.26)	418 (6.21)	420 (4.71)	418 (5.66)
TUN	150875	0.07	150770	393 (3.20)	386 (3.97)	374 (6.17)	378 (5.03)	350 (6.07)
URY	33775	0.62	33566	448 (3.33)	423 (4.98)	415 (7.41)	442 (7.78)	417 (6.12)

Student Questionnaire – Question 6

Q6 What is your father currently doing?
Working full-time <for pay>
Working part-time <for pay>
Not working, but looking for a job
Other (e.g. home duties, retired)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Working Full-time mean (SE)	Working Part-time mean (SE)	Looking for work mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.42	234601	536 (1.95)	513 (4.51)	501 (7.05)	517 (6.35)	488 (7.35)
AUT	85931	1.12	84971	511 (3.00)	471 (7.14)	507 (10.48)	504 (6.86)	493 (8.29)
BEL	111831	1.81	109808	541 (2.30)	502 (5.81)	452 (9.79)	486 (6.13)	461 (5.86)
CAN	330436	9.70	298375	539 (1.60)	499 (4.67)	521 (6.74)	520 (3.53)	490 (5.36)
CZE	121183	4.09	116228	526 (3.01)	489 (9.72)	501 (11.08)	512 (6.57)	499 (7.90)
DNK	51741	0.65	51406	523 (2.49)	508 (7.85)	486 (9.84)	495 (7.08)	483 (8.54)
FIN	57884	0.07	57845	551 (1.95)	532 (5.88)	530 (6.08)	538 (5.38)	539 (5.77)
FRA	734579	0.87	728167	528 (2.53)	474 (7.46)	504 (8.46)	494 (8.93)	482 (8.13)
DEU	884358	5.57	835070	529 (3.26)	486 (6.84)	489 (7.21)	498 (6.87)	471 (8.46)
GRC	105131	0.13	104991	452 (3.98)	418 (8.08)	396 (11.55)	451 (6.98)	438 (11.66)
HUN	107044	0.06	106984	510 (2.98)	471 (7.32)	476 (10.70)	482 (6.18)	476 (6.51)
ISL	3928	0.63	3903	507 (1.39)	472 (9.40)	488 (13.76)	516 (8.83)	476 (11.26)
IRL	54850	1.03	54285	504 (2.22)	484 (9.50)	448 (11.90)	478 (5.09)	467 (6.77)
ITA	481521	0.12	480920	477 (3.00)	437 (5.00)	447 (13.09)	464 (7.27)	415 (12.97)
JPN	1240054	0.34	1235867	553 (4.04)	493 (9.46)	553 (14.88)	541 (12.48)	500 (12.84)
KOR	533504	0.04	533284	557 (3.25)	533 (4.56)	532 (11.35)	531 (5.99)	514 (8.21)
LUX	4080	0.08	4077	498 (1.38)	461 (7.35)	479 (13.73)	484 (7.04)	453 (6.67)
MEX	1071650	0.37	1067674	394 (4.53)	380 (5.46)	368 (7.66)	370 (6.92)	361 (8.47)
NLD	184943	3.45	178554	528 (2.92)	509 (8.73)	506 (11.71)	508 (8.13)	462 (8.88)
NZL	48638	4.15	46619	538 (2.19)	524 (6.64)	500 (11.46)	518 (7.48)	473 (15.15)
NOR	52816	0.77	52407	496 (2.66)	466 (6.90)	473 (12.05)	468 (6.64)	444 (11.23)
POL	534900	.	534900	499 (2.93)	463 (6.24)	456 (4.80)	478 (4.00)	464 (10.33)
PRT	96857	0.25	96616	478 (3.29)	441 (9.43)	426 (16.24)	448 (6.89)	428 (9.70)
SVK	77067	0.14	76958	502 (2.79)	463 (9.41)	434 (9.43)	471 (9.11)	469 (7.54)
ESP	344372	0.07	344114	487 (2.83)	467 (5.19)	442 (9.84)	479 (6.18)	461 (9.24)
SWE	107104	0.25	106836	515 (2.22)	494 (5.95)	479 (10.15)	495 (8.58)	477 (8.19)
CHE	86491	0.14	86370	527 (2.77)	506 (6.66)	493 (14.00)	486 (8.77)	472 (10.13)
TUR	481279	0.03	481137	420 (6.88)	385 (7.11)	374 (6.87)	411 (6.18)	361 (11.06)
GBR	698579	3.63	673211	516 (2.53)	497 (7.86)	484 (8.41)	482 (8.35)	476 (6.41)
USA	3147089	0.76	3123066	488 (2.80)	445 (7.70)	449 (9.23)	453 (6.82)	428 (7.70)
TOT	.	1.38	.	503 (1.07)	446 (2.44)	457 (2.80)	458 (3.11)	441 (3.59)
AVG	.	1.36	.	510 (0.58)	465 (1.74)	465 (2.12)	475 (1.70)	459 (2.03)
HKG	72484	0.21	72334	556 (4.31)	540 (4.78)	519 (6.24)	528 (6.70)	488 (15.97)
IDN	1971476	0.09	1969640	378 (4.73)	352 (2.93)	344 (6.27)	363 (5.83)	346 (4.75)
LVA	33643	0.22	33570	493 (4.31)	462 (5.77)	450 (9.23)	485 (6.43)	471 (6.09)
LIE	338	.	338	533 (4.72)	. (.)	. (.)	. (.)	. (.)
MAC	6546	.	6546	539 (3.33)	531 (8.45)	503 (8.62)	523 (12.43)	. (.)
RUS	2153373	0.02	2152991	486 (4.31)	442 (10.75)	458 (9.42)	477 (6.60)	466 (5.69)
YUG	68596	0.57	68203	424 (3.39)	421 (7.20)	406 (6.80)	405 (5.09)	424 (8.20)
THA	637076	.	637076	436 (3.66)	414 (3.25)	412 (6.56)	425 (4.43)	390 (6.01)
TUN	150875	0.07	150770	353 (2.63)	350 (3.23)	325 (5.61)	338 (4.31)	309 (4.48)
URY	33775	0.62	33566	419 (3.82)	403 (6.33)	384 (8.19)	394 (7.87)	391 (7.35)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5A, 6>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234717	26.76	(0.72)	72.60	(0.73)	0.64	(0.12)
AUT	85931	1.08	85003	6.18	(0.58)	93.80	(0.58)	0.02	(.)
BEL	111831	1.93	109675	21.52	(0.76)	77.03	(0.80)	1.45	(0.23)
CAN	330436	9.70	298375	26.66	(0.71)	73.34	(0.71)	.	(.)
CZE	121183	4.11	116201	15.35	(0.76)	84.64	(0.76)	0.01	(.)
DNK	51741	0.65	51406	10.40	(0.67)	84.36	(0.77)	5.24	(0.45)
FIN	57884	0.07	57845	24.48	(0.80)	75.52	(0.80)	.	(.)
FRA	734579	0.87	728167	17.66	(0.83)	82.34	(0.83)	.	(.)
DEU	884358	5.57	835070	13.86	(0.73)	86.14	(0.73)	.	(.)
GRC	105131	0.13	104991	18.67	(1.44)	81.25	(1.44)	0.08	(.)
HUN	107044	0.06	106984	18.78	(0.76)	80.41	(0.79)	0.80	(0.23)
ISL	3928	0.63	3903	18.89	(0.61)	80.71	(0.61)	0.40	(.)
IRL	54850	1.03	54285	11.48	(0.71)	88.52	(0.71)	.	(.)
ITA	481521	0.12	480946	13.59	(0.61)	86.41	(0.61)	0.00	(.)
JPN	1240054	0.19	1237683	19.70	(0.83)	79.86	(0.85)	0.43	(.)
KOR	533504	.	533504	16.03	(1.29)	83.90	(1.30)	0.07	(.)
LUX	4080	0.10	4076	12.62	(0.43)	83.66	(0.51)	3.72	(0.26)
MEX	1071650	0.37	1067674	10.76	(0.52)	89.24	(0.52)	.	(.)
NLD	184943	3.49	178496	27.01	(0.94)	72.99	(0.94)	.	(.)
NZL	48638	0.69	48300	11.40	(0.55)	85.65	(0.81)	2.95	(0.59)
NOR	52816	0.77	52407	11.73	(0.65)	88.09	(0.66)	0.18	(.)
POL	534900	.	534900	11.88	(0.63)	88.12	(0.63)	.	(.)
PRT	96857	0.25	96616	13.82	(0.91)	86.18	(0.91)	.	(.)
SVK	77067	0.25	76875	14.76	(0.64)	85.17	(0.65)	0.07	(.)
ESP	344372	0.07	344114	17.07	(1.12)	82.93	(1.12)	.	(.)
SWE	107104	0.25	106836	26.34	(0.82)	73.59	(0.82)	0.08	(.)
CHE	86491	0.14	86370	9.50	(0.78)	90.13	(0.77)	0.38	(.)
TUR	481279	0.03	481137	5.47	(0.99)	94.50	(0.99)	0.03	(.)
GBR	698579	3.61	673349	12.58	(0.74)	87.42	(0.74)	.	(.)
USA	3147089	0.76	3123066	25.41	(0.90)	74.59	(0.90)	.	(.)
TOT	.	1.35	.	18.11	(0.26)	81.77	(0.27)	0.12	(0.02)
AVG	.	1.24	.	16.31	(0.15)	83.13	(0.15)	0.56	(0.03)
HKG	72484	0.21	72334	2.95	(0.29)	97.05	(0.29)	.	(.)
IDN	1971476	0.10	1969507	8.57	(0.58)	91.42	(0.58)	0.01	(.)
LVA	33643	0.27	33553	23.09	(1.10)	76.09	(1.11)	0.82	(0.22)
LIE	338	.	338	8.73	(.)	90.97	(1.43)	0.30	(.)
MAC	6546	.	6546	2.62	(0.44)	97.38	(0.44)	.	(.)
RUS	2153373	0.02	2152991	32.99	(1.16)	66.85	(1.16)	0.15	(.)
YUG	68596	0.57	68205	12.33	(1.00)	87.23	(1.05)	0.43	(.)
THA	637076	.	637076	9.37	(0.56)	90.63	(0.56)	.	(.)
TUN	150875	0.07	150770	2.66	(0.31)	97.30	(0.32)	0.04	(.)
URY	33775	0.15	33724	19.71	(1.00)	80.02	(1.01)	0.27	(.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	560 (3.34)	514 (2.18)	476 (16.29)
AUT	85931	1.08	85003	553 (8.66)	489 (3.30)	. (.)
BEL	111831	1.93	109675	540 (3.55)	502 (3.03)	489 (12.26)
CAN	330436	9.70	298375	547 (2.78)	526 (1.51)	. (.)
CZE	121183	4.11	116201	540 (4.45)	488 (2.70)	. (.)
DNK	51741	0.65	51406	504 (6.23)	494 (2.81)	454 (7.42)
FIN	57884	0.07	57845	558 (2.73)	539 (1.86)	. (.)
FRA	734579	0.87	728167	532 (4.39)	490 (2.95)	. (.)
DEU	884358	5.57	835070	547 (5.26)	494 (3.48)	. (.)
GRC	105131	0.13	104991	503 (6.20)	465 (3.84)	. (.)
HUN	107044	0.06	106984	536 (4.60)	469 (2.44)	470 (14.48)
ISL	3928	0.63	3903	515 (4.08)	488 (1.70)	. (.)
IRL	54850	1.03	54285	548 (4.96)	511 (2.59)	. (.)
ITA	481521	0.12	480946	518 (4.45)	469 (3.24)	. (.)
JPN	1240054	0.19	1237683	519 (5.56)	494 (4.18)	. (.)
KOR	533504	.	533504	565 (6.11)	528 (3.03)	. (.)
LUX	4080	0.10	4076	512 (5.28)	475 (1.68)	460 (8.94)
MEX	1071650	0.37	1067674	404 (5.84)	399 (4.24)	. (.)
NLD	184943	3.49	178496	542 (3.93)	508 (3.05)	. (.)
NZL	48638	0.69	48300	564 (5.64)	518 (2.44)	499 (11.96)
NOR	52816	0.77	52407	507 (7.22)	500 (2.66)	. (.)
POL	534900	.	534900	547 (5.30)	490 (2.88)	. (.)
PRT	96857	0.25	96616	519 (5.36)	471 (3.69)	. (.)
SVK	77067	0.25	76875	515 (4.40)	461 (3.35)	. (.)
ESP	344372	0.07	344114	513 (4.61)	474 (2.33)	. (.)
SWE	107104	0.25	106836	527 (3.79)	510 (2.46)	. (.)
CHE	86491	0.14	86370	527 (7.22)	496 (3.00)	. (.)
TUR	481279	0.03	481137	560 (21.77)	434 (4.98)	. (.)
GBR	698579	3.61	673349	556 (5.75)	499 (2.28)	. (.)
USA	3147089	0.76	3123066	527 (4.47)	485 (3.27)	. (.)
TOT	.	1.35	.	526 (1.76)	480 (1.20)	445 (11.21)
AVG	.	1.24	.	532 (1.00)	488 (0.63)	464 (4.15)
HKG	72484	0.21	72334	513 (11.09)	509 (3.65)	. (.)
IDN	1971476	0.10	1969507	377 (8.70)	382 (3.16)	. (.)
LVA	33643	0.27	33553	508 (6.55)	486 (3.49)	441 (18.08)
LIE	338	.	338	. (.)	525 (3.83)	. (.)
MAC	6546	.	6546	496 (12.85)	498 (2.24)	. (.)
RUS	2153373	0.02	2152991	467 (4.43)	430 (3.98)	. (.)
YUG	68596	0.57	68205	452 (5.93)	407 (3.39)	. (.)
THA	637076	.	637076	472 (6.68)	414 (2.62)	. (.)
TUN	150875	0.07	150770	400 (16.23)	374 (2.68)	. (.)
URY	33775	0.15	33724	477 (5.30)	424 (3.75)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	559 (3.21)	512 (2.25)	468 (12.23)
AUT	85931	1.08	85003	553 (9.98)	504 (2.93)	. (.)
BEL	111831	1.93	109675	567 (3.44)	524 (2.59)	516 (11.02)
CAN	330436	9.70	298375	558 (2.79)	528 (1.56)	. (.)
CZE	121183	4.11	116201	575 (5.11)	513 (3.08)	. (.)
DNK	51741	0.65	51406	534 (6.02)	514 (2.80)	481 (7.00)
FIN	57884	0.07	57845	564 (3.00)	538 (1.88)	. (.)
FRA	734579	0.87	728167	548 (4.25)	504 (2.58)	. (.)
DEU	884358	5.57	835070	558 (5.97)	504 (3.35)	. (.)
GRC	105131	0.13	104991	487 (6.35)	436 (3.24)	. (.)
HUN	107044	0.06	106984	554 (4.35)	475 (2.76)	498 (13.21)
ISL	3928	0.63	3903	545 (3.70)	509 (1.62)	. (.)
IRL	54850	1.03	54285	538 (4.88)	498 (2.37)	. (.)
ITA	481521	0.12	480946	502 (4.74)	460 (3.22)	. (.)
JPN	1240054	0.19	1237683	560 (6.60)	528 (4.07)	. (.)
KOR	533504	.	533504	584 (7.88)	534 (2.91)	. (.)
LUX	4080	0.10	4076	535 (4.30)	488 (1.22)	478 (7.23)
MEX	1071650	0.37	1067674	388 (5.40)	385 (3.74)	. (.)
NLD	184943	3.49	178496	572 (4.24)	532 (3.16)	. (.)
NZL	48638	0.69	48300	567 (4.88)	520 (2.32)	496 (11.69)
NOR	52816	0.77	52407	507 (5.99)	494 (2.40)	. (.)
POL	534900	.	534900	547 (4.61)	483 (2.56)	. (.)
PRT	96857	0.25	96616	518 (4.72)	458 (3.29)	. (.)
SVK	77067	0.25	76875	556 (4.39)	488 (3.48)	. (.)
ESP	344372	0.07	344114	525 (4.14)	477 (2.17)	. (.)
SWE	107104	0.25	106836	525 (3.84)	504 (2.65)	. (.)
CHE	86491	0.14	86370	561 (8.29)	523 (2.98)	. (.)
TUR	481279	0.03	481137	567 (26.48)	415 (5.61)	. (.)
GBR	698579	3.61	673349	561 (4.95)	500 (2.40)	. (.)
USA	3147089	0.76	3123066	519 (4.28)	471 (2.88)	. (.)
TOT	.	1.35	.	532 (1.67)	481 (1.09)	466 (9.90)
AVG	.	1.24	.	543 (0.97)	493 (0.63)	482 (3.99)
HKG	72484	0.21	72334	567 (12.67)	550 (4.49)	. (.)
IDN	1971476	0.10	1969507	356 (9.53)	361 (3.67)	. (.)
LVA	33643	0.27	33553	509 (5.87)	476 (3.62)	434 (18.98)
LIE	338	.	338	. (.)	534 (4.48)	. (.)
MAC	6546	.	6546	533 (13.73)	527 (2.99)	. (.)
RUS	2153373	0.02	2152991	494 (4.37)	456 (4.30)	. (.)
YUG	68596	0.57	68205	484 (5.97)	430 (3.60)	. (.)
THA	637076	.	637076	477 (7.56)	411 (2.79)	. (.)
TUN	150875	0.07	150770	403 (14.32)	358 (2.36)	. (.)
URY	33775	0.15	33724	470 (5.07)	410 (3.44)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	563 (3.45)	512 (2.11)	468 (14.74)
AUT	85931	1.08	85003	551 (9.01)	489 (3.13)	. (.)
BEL	111831	1.93	109675	545 (3.58)	502 (2.77)	491 (12.35)
CAN	330436	9.70	298375	548 (3.11)	513 (1.81)	. (.)
CZE	121183	4.11	116201	580 (4.87)	519 (3.04)	. (.)
DNK	51741	0.65	51406	489 (6.92)	477 (2.93)	431 (8.59)
FIN	57884	0.07	57845	570 (3.05)	541 (2.05)	. (.)
FRA	734579	0.87	728167	556 (5.11)	503 (3.24)	. (.)
DEU	884358	5.57	835070	568 (5.85)	502 (3.60)	. (.)
GRC	105131	0.13	104991	520 (5.86)	472 (3.43)	. (.)
HUN	107044	0.06	106984	559 (5.21)	490 (2.57)	492 (15.10)
ISL	3928	0.63	3903	526 (4.27)	489 (1.61)	. (.)
IRL	54850	1.03	54285	536 (5.47)	501 (2.66)	. (.)
ITA	481521	0.12	480946	526 (4.88)	480 (3.35)	. (.)
JPN	1240054	0.19	1237683	579 (6.55)	541 (4.25)	. (.)
KOR	533504	.	533504	573 (8.06)	532 (3.36)	. (.)
LUX	4080	0.10	4076	526 (5.10)	477 (1.70)	462 (9.45)
MEX	1071650	0.37	1067674	409 (4.90)	404 (3.54)	. (.)
NLD	184943	3.49	178496	562 (4.45)	516 (3.42)	. (.)
NZL	48638	0.69	48300	570 (5.50)	516 (2.35)	494 (12.05)
NOR	52816	0.77	52407	502 (7.43)	482 (2.82)	. (.)
POL	534900	.	534900	566 (5.62)	489 (2.82)	. (.)
PRT	96857	0.25	96616	517 (4.97)	460 (3.41)	. (.)
SVK	77067	0.25	76875	556 (4.94)	485 (3.93)	. (.)
ESP	344372	0.07	344114	531 (4.16)	478 (2.29)	. (.)
SWE	107104	0.25	106836	522 (4.08)	501 (2.91)	. (.)
CHE	86491	0.14	86370	557 (10.96)	508 (3.11)	. (.)
TUR	481279	0.03	481137	563 (23.92)	427 (4.94)	. (.)
GBR	698579	3.61	673349	575 (5.55)	510 (2.45)	. (.)
USA	3147089	0.76	3123066	528 (4.50)	479 (3.03)	. (.)
TOT	.	1.35	.	540 (1.74)	487 (1.08)	460 (10.00)
AVG	.	1.24	.	544 (0.98)	492 (0.58)	460 (4.60)
HKG	72484	0.21	72334	562 (11.51)	539 (4.28)	. (.)
IDN	1971476	0.10	1969507	396 (8.15)	395 (3.01)	. (.)
LVA	33643	0.27	33553	515 (6.29)	482 (3.69)	441 (20.37)
LIE	338	.	338	. (.)	524 (4.62)	. (.)
MAC	6546	.	6546	553 (14.98)	524 (3.07)	. (.)
RUS	2153373	0.02	2152991	516 (4.87)	476 (4.11)	. (.)
YUG	68596	0.57	68205	480 (6.35)	431 (3.24)	. (.)
THA	637076	.	637076	493 (6.68)	422 (2.43)	. (.)
TUN	150875	0.07	150770	410 (13.98)	384 (2.41)	. (.)
URY	33775	0.15	33724	481 (4.89)	428 (3.15)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	560 (3.02)	520 (2.12)	474 (14.73)
AUT	85931	1.08	85003	554 (9.28)	505 (2.86)	. (.)
BEL	111831	1.93	109675	561 (3.34)	519 (2.46)	508 (11.01)
CAN	330436	9.70	298375	558 (2.68)	525 (1.49)	. (.)
CZE	121183	4.11	116201	566 (5.14)	515 (2.93)	. (.)
DNK	51741	0.65	51406	536 (5.18)	517 (2.59)	481 (7.30)
FIN	57884	0.07	57845	565 (2.82)	542 (1.98)	. (.)
FRA	734579	0.87	728167	552 (4.35)	513 (2.83)	. (.)
DEU	884358	5.57	835070	564 (5.31)	512 (3.30)	. (.)
GRC	105131	0.13	104991	489 (6.71)	439 (3.45)	. (.)
HUN	107044	0.06	106984	562 (4.62)	487 (2.73)	500 (14.36)
ISL	3928	0.63	3903	528 (3.47)	500 (1.60)	. (.)
IRL	54850	1.03	54285	530 (4.84)	494 (2.27)	. (.)
ITA	481521	0.12	480946	506 (5.00)	464 (3.23)	. (.)
JPN	1240054	0.19	1237683	572 (6.06)	542 (4.19)	. (.)
KOR	533504	.	533504	584 (7.11)	544 (2.84)	. (.)
LUX	4080	0.10	4076	530 (4.63)	489 (1.60)	478 (7.62)
MEX	1071650	0.37	1067674	397 (6.02)	383 (4.35)	. (.)
NLD	184943	3.49	178496	550 (4.38)	513 (3.18)	. (.)
NZL	48638	0.69	48300	567 (5.09)	530 (2.20)	507 (11.04)
NOR	52816	0.77	52407	497 (6.21)	490 (2.63)	. (.)
POL	534900	.	534900	539 (5.24)	480 (2.77)	. (.)
PRT	96857	0.25	96616	522 (5.40)	462 (3.92)	. (.)
SVK	77067	0.25	76875	549 (4.36)	482 (3.58)	. (.)
ESP	344372	0.07	344114	529 (4.23)	473 (2.39)	. (.)
SWE	107104	0.25	106836	520 (3.51)	505 (2.51)	. (.)
CHE	86491	0.14	86370	557 (8.14)	518 (2.67)	. (.)
TUR	481279	0.03	481137	539 (23.39)	400 (5.05)	. (.)
GBR	698579	3.61	673349	559 (4.91)	502 (2.34)	. (.)
USA	3147089	0.76	3123066	511 (4.45)	466 (3.09)	. (.)
TOT	.	1.35	.	530 (1.72)	481 (1.18)	474 (10.16)
AVG	.	1.24	.	540 (0.96)	493 (0.66)	483 (4.13)
HKG	72484	0.21	72334	561 (11.57)	548 (4.17)	. (.)
IDN	1971476	0.10	1969507	361 (8.09)	361 (3.09)	. (.)
LVA	33643	0.27	33553	511 (6.02)	475 (3.82)	442 (17.45)
LIE	338	.	338	. (.)	528 (4.38)	. (.)
MAC	6546	.	6546	522 (15.19)	533 (2.56)	. (.)
RUS	2153373	0.02	2152991	508 (5.15)	464 (4.50)	. (.)
YUG	68596	0.57	68205	465 (5.39)	414 (3.12)	. (.)
THA	637076	.	637076	487 (6.76)	419 (2.53)	. (.)
TUN	150875	0.07	150770	372 (12.49)	344 (2.03)	. (.)
URY	33775	0.15	33724	463 (5.81)	398 (3.93)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5B>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234717	13.91	(0.48)	85.45	(0.48)	0.64	(0.12)
AUT	85931	1.08	85003	15.91	(0.65)	84.06	(0.65)	0.02	(.)
BEL	111831	1.93	109675	22.66	(0.52)	75.88	(0.53)	1.46	(0.23)
CAN	330436	9.70	298375	30.46	(0.55)	69.54	(0.55)	.	(.)
CZE	121183	4.11	116201	2.13	(0.22)	97.86	(0.22)	0.01	(.)
DNK	51741	0.65	51406	38.62	(0.91)	56.14	(0.97)	5.24	(0.45)
FIN	57884	0.07	57845	33.43	(0.64)	66.57	(0.64)	.	(.)
FRA	734579	0.87	728167	8.85	(0.56)	91.15	(0.56)	.	(.)
DEU	884358	5.57	835070	7.63	(0.46)	92.37	(0.46)	.	(.)
GRC	105131	0.13	104991	8.31	(0.40)	91.65	(0.41)	0.04	(.)
HUN	107044	0.06	106984	6.93	(0.35)	92.26	(0.40)	0.80	(0.23)
ISL	3928	0.63	3903	9.77	(0.54)	89.84	(0.54)	0.40	(.)
IRL	54850	1.03	54285	18.34	(0.74)	81.66	(0.74)	.	(.)
ITA	481521	0.12	480946	13.09	(0.56)	86.91	(0.56)	0.00	(.)
JPN	1240054	0.19	1237683	26.67	(0.59)	72.87	(0.62)	0.46	(.)
KOR	533504	.	533504	5.42	(0.38)	94.51	(0.38)	0.07	(.)
LUX	4080	0.10	4076	23.01	(0.70)	73.16	(0.67)	3.82	(0.27)
MEX	1071650	0.37	1067674	11.64	(0.85)	88.36	(0.85)	.	(.)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	0.69	48300	24.27	(0.63)	72.74	(0.87)	2.98	(0.59)
NOR	52816	0.77	52407	36.79	(0.90)	63.03	(0.92)	0.18	(.)
POL	534900	.	534900	7.73	(0.49)	92.27	(0.49)	.	(.)
PRT	96857	0.25	96616	7.70	(0.45)	92.30	(0.45)	.	(.)
SVK	77067	0.25	76875	2.88	(0.19)	97.04	(0.20)	0.08	(.)
ESP	344372	0.07	344114	8.41	(0.47)	91.59	(0.47)	.	(.)
SWE	107104	0.25	106836	24.14	(0.69)	75.78	(0.69)	0.08	(.)
CHE	86491	0.14	86370	11.81	(0.60)	87.86	(0.64)	0.33	(.)
TUR	481279	0.07	480922	3.97	(0.35)	96.00	(0.35)	0.03	(.)
GBR	698579	3.61	673349	19.29	(0.54)	80.71	(0.54)	.	(.)
USA	3147089	0.76	3123066	15.43	(0.56)	84.57	(0.56)	.	(.)
TOT	.	2.83	.	14.35	(0.20)	85.53	(0.20)	0.13	(0.02)
AVG	.	4.46	.	15.80	(0.11)	83.62	(0.11)	0.58	(0.03)
HKG	72484	0.21	72334	3.89	(0.38)	96.11	(0.38)	.	(.)
IDN	1971476	0.10	1969507	3.77	(0.30)	96.22	(0.30)	0.01	(.)
LVA	33643	0.27	33553	29.92	(1.37)	69.24	(1.39)	0.83	(0.23)
LIE	338	.	338	9.37	(1.55)	90.33	(1.58)	0.30	(.)
MAC	6546	.	6546	2.46	(0.39)	97.54	(0.39)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)
YUG	68596	0.60	68186	26.92	(0.83)	72.64	(0.84)	0.43	(.)
THA	637076	100.00	0	.	(.)	.	(.)	.	(.)
TUN	150875	0.07	150770	5.30	(0.54)	94.64	(0.54)	0.06	(.)
URY	33775	0.15	33724	22.43	(0.58)	77.33	(0.58)	0.25	(.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5B>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	535 (2.89)	525 (2.22)	476 (16.29)
AUT	85931	1.08	85003	507 (5.89)	491 (3.47)	. (.)
BEL	111831	1.93	109675	537 (3.38)	503 (3.23)	483 (12.20)
CAN	330436	9.70	298375	540 (2.21)	527 (1.85)	. (.)
CZE	121183	4.11	116201	471 (12.44)	497 (2.78)	. (.)
DNK	51741	0.65	51406	517 (2.94)	479 (3.26)	454 (7.42)
FIN	57884	0.07	57845	551 (2.28)	540 (1.85)	. (.)
FRA	734579	0.87	728167	501 (6.90)	497 (2.75)	. (.)
DEU	884358	5.57	835070	522 (7.23)	499 (3.57)	. (.)
GRC	105131	0.13	104991	471 (8.11)	473 (4.04)	. (.)
HUN	107044	0.06	106984	495 (6.06)	481 (2.51)	470 (14.48)
ISL	3928	0.63	3903	507 (6.16)	491 (1.70)	. (.)
IRL	54850	1.03	54285	528 (4.11)	512 (2.68)	. (.)
ITA	481521	0.12	480946	478 (4.75)	475 (3.03)	. (.)
JPN	1240054	0.19	1237683	512 (4.56)	494 (4.03)	. (.)
KOR	533504	.	533504	529 (7.97)	534 (3.06)	. (.)
LUX	4080	0.10	4076	506 (2.86)	472 (1.98)	464 (8.81)
MEX	1071650	0.37	1067674	448 (6.35)	393 (3.86)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	542 (4.05)	517 (2.73)	502 (11.95)
NOR	52816	0.77	52407	521 (3.18)	489 (3.20)	. (.)
POL	534900	.	534900	532 (5.12)	494 (2.93)	. (.)
PRT	96857	0.25	96616	454 (7.46)	480 (3.66)	. (.)
SVK	77067	0.25	76875	452 (7.73)	470 (3.10)	. (.)
ESP	344372	0.07	344114	485 (4.82)	480 (2.78)	. (.)
SWE	107104	0.25	106836	528 (3.44)	511 (2.58)	. (.)
CHE	86491	0.14	86370	513 (5.90)	497 (3.18)	. (.)
TUR	481279	0.07	480922	433 (10.55)	441 (5.75)	. (.)
GBR	698579	3.61	673349	526 (4.18)	502 (2.65)	. (.)
USA	3147089	0.76	3123066	500 (4.47)	495 (3.40)	. (.)
TOT	.	2.83	.	506 (1.74)	485 (1.25)	445 (11.55)
AVG	.	4.46	.	517 (1.02)	491 (0.64)	465 (4.18)
HKG	72484	0.21	72334	531 (9.18)	509 (3.66)	. (.)
IDN	1971476	0.10	1969507	397 (10.64)	381 (3.27)	. (.)
LVA	33643	0.27	33553	491 (4.44)	491 (3.98)	440 (17.70)
LIE	338	.	338	498 (17.36)	528 (3.78)	. (.)
MAC	6546	.	6546	477 (11.46)	498 (2.18)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.60	68186	405 (4.25)	415 (3.76)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	387 (12.02)	374 (2.60)	. (.)
URY	33775	0.15	33724	452 (4.67)	429 (3.99)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5B>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	523 (2.78)	525 (2.23)	468 (12.23)
AUT	85931	1.08	85003	510 (5.60)	507 (3.12)	. (.)
BEL	111831	1.93	109675	559 (3.21)	525 (2.77)	509 (11.15)
CAN	330436	9.70	298375	545 (2.35)	532 (1.81)	. (.)
CZE	121183	4.11	116201	523 (10.89)	522 (3.18)	. (.)
DNK	51741	0.65	51406	537 (3.16)	502 (3.27)	481 (7.00)
FIN	57884	0.07	57845	549 (2.34)	542 (2.27)	. (.)
FRA	734579	0.87	728167	515 (5.01)	512 (2.61)	. (.)
DEU	884358	5.57	835070	530 (6.67)	510 (3.53)	. (.)
GRC	105131	0.13	104991	443 (6.03)	445 (3.92)	. (.)
HUN	107044	0.06	106984	511 (5.26)	488 (2.93)	498 (13.21)
ISL	3928	0.63	3903	522 (5.63)	515 (1.44)	. (.)
IRL	54850	1.03	54285	519 (4.00)	499 (2.51)	. (.)
ITA	481521	0.12	480946	467 (4.91)	466 (3.06)	. (.)
JPN	1240054	0.19	1237683	546 (4.91)	531 (4.11)	. (.)
KOR	533504	.	533504	534 (8.26)	543 (3.18)	. (.)
LUX	4080	0.10	4076	518 (2.98)	486 (1.37)	481 (7.12)
MEX	1071650	0.37	1067674	431 (6.13)	379 (3.40)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	543 (3.58)	519 (2.67)	498 (11.57)
NOR	52816	0.77	52407	516 (2.99)	484 (2.58)	. (.)
POL	534900	.	534900	527 (5.18)	487 (2.56)	. (.)
PRT	96857	0.25	96616	451 (6.70)	468 (3.33)	. (.)
SVK	77067	0.25	76875	487 (7.37)	499 (3.37)	. (.)
ESP	344372	0.07	344114	491 (4.46)	485 (2.49)	. (.)
SWE	107104	0.25	106836	519 (3.45)	506 (2.72)	. (.)
CHE	86491	0.14	86370	538 (6.68)	525 (3.26)	. (.)
TUR	481279	0.07	480922	428 (14.17)	423 (6.61)	. (.)
GBR	698579	3.61	673349	526 (4.04)	503 (2.62)	. (.)
USA	3147089	0.76	3123066	492 (4.76)	482 (2.99)	. (.)
TOT	.	2.83	.	510 (1.91)	485 (1.12)	465 (9.73)
AVG	.	4.46	.	521 (1.04)	495 (0.64)	482 (3.95)
HKG	72484	0.21	72334	574 (11.20)	550 (4.47)	. (.)
IDN	1971476	0.10	1969507	373 (10.84)	360 (3.78)	. (.)
LVA	33643	0.27	33553	484 (4.23)	484 (4.06)	431 (18.41)
LIE	338	.	338	508 (18.69)	538 (4.75)	. (.)
MAC	6546	.	6546	518 (14.86)	528 (2.97)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.60	68186	432 (4.23)	439 (3.94)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	389 (10.79)	357 (2.31)	. (.)
URY	33775	0.15	33724	434 (4.27)	419 (3.46)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5B>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	526 (2.87)	526 (2.19)	468 (14.74)
AUT	85931	1.08	85003	502 (5.66)	491 (3.30)	. (.)
BEL	111831	1.93	109675	537 (3.16)	504 (2.99)	483 (12.70)
CAN	330436	9.70	298375	533 (2.64)	518 (2.02)	. (.)
CZE	121183	4.11	116201	523 (11.23)	528 (3.10)	. (.)
DNK	51741	0.65	51406	503 (3.28)	461 (3.58)	431 (8.59)
FIN	57884	0.07	57845	551 (2.53)	547 (2.15)	. (.)
FRA	734579	0.87	728167	521 (6.23)	511 (3.15)	. (.)
DEU	884358	5.57	835070	538 (7.03)	509 (3.79)	. (.)
GRC	105131	0.13	104991	486 (6.29)	481 (3.94)	. (.)
HUN	107044	0.06	106984	523 (5.95)	502 (2.85)	492 (15.10)
ISL	3928	0.63	3903	511 (5.90)	494 (1.63)	. (.)
IRL	54850	1.03	54285	521 (4.30)	501 (2.81)	. (.)
ITA	481521	0.12	480946	492 (5.34)	486 (3.16)	. (.)
JPN	1240054	0.19	1237683	559 (4.73)	544 (4.26)	. (.)
KOR	533504	.	533504	532 (9.46)	539 (3.47)	. (.)
LUX	4080	0.10	4076	507 (3.25)	476 (1.99)	467 (9.28)
MEX	1071650	0.37	1067674	456 (6.41)	398 (3.13)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	541 (3.74)	516 (2.77)	496 (11.65)
NOR	52816	0.77	52407	502 (3.62)	475 (3.05)	. (.)
POL	534900	.	534900	543 (5.83)	494 (2.90)	. (.)
PRT	96857	0.25	96616	456 (6.79)	469 (3.44)	. (.)
SVK	77067	0.25	76875	489 (8.39)	495 (3.73)	. (.)
ESP	344372	0.07	344114	505 (5.14)	486 (2.70)	. (.)
SWE	107104	0.25	106836	516 (4.21)	503 (2.79)	. (.)
CHE	86491	0.14	86370	527 (8.11)	511 (3.49)	. (.)
TUR	481279	0.07	480922	436 (11.58)	434 (5.81)	. (.)
GBR	698579	3.61	673349	543 (4.41)	512 (2.75)	. (.)
USA	3147089	0.76	3123066	495 (4.96)	491 (3.21)	. (.)
TOT	.	2.83	.	517 (1.81)	493 (1.12)	459 (9.71)
AVG	.	4.46	.	519 (1.04)	496 (0.59)	461 (4.60)
HKG	72484	0.21	72334	566 (10.42)	538 (4.22)	. (.)
IDN	1971476	0.10	1969507	421 (8.62)	394 (3.12)	. (.)
LVA	33643	0.27	33553	490 (4.65)	490 (4.39)	437 (19.72)
LIE	338	.	338	508 (21.09)	527 (4.41)	. (.)
MAC	6546	.	6546	538 (18.14)	524 (3.05)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.60	68186	432 (3.98)	438 (3.74)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	407 (11.47)	383 (2.33)	. (.)
URY	33775	0.15	33724	456 (4.21)	433 (3.08)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 5B>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	532 (2.49)	530 (2.07)	474 (14.73)
AUT	85931	1.08	85003	512 (5.28)	507 (3.05)	. (.)
BEL	111831	1.93	109675	554 (3.17)	521 (2.66)	501 (11.28)
CAN	330436	9.70	298375	543 (2.27)	529 (1.85)	. (.)
CZE	121183	4.11	116201	505 (11.03)	523 (3.06)	. (.)
DNK	51741	0.65	51406	538 (3.04)	506 (3.00)	481 (7.30)
FIN	57884	0.07	57845	550 (2.38)	546 (2.07)	. (.)
FRA	734579	0.87	728167	531 (6.43)	519 (2.71)	. (.)
DEU	884358	5.57	835070	533 (6.08)	518 (3.46)	. (.)
GRC	105131	0.13	104991	447 (6.54)	449 (4.03)	. (.)
HUN	107044	0.06	106984	527 (5.41)	499 (2.93)	500 (14.36)
ISL	3928	0.63	3903	510 (5.16)	505 (1.46)	. (.)
IRL	54850	1.03	54285	514 (3.77)	495 (2.42)	. (.)
ITA	481521	0.12	480946	475 (4.99)	469 (3.09)	. (.)
JPN	1240054	0.19	1237683	559 (4.76)	544 (4.19)	. (.)
KOR	533504	.	533504	549 (7.69)	551 (3.06)	. (.)
LUX	4080	0.10	4076	514 (2.98)	488 (1.65)	481 (7.65)
MEX	1071650	0.37	1067674	439 (6.46)	377 (4.03)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	551 (3.78)	529 (2.48)	509 (11.01)
NOR	52816	0.77	52407	512 (2.96)	478 (2.96)	. (.)
POL	534900	.	534900	527 (5.11)	483 (2.84)	. (.)
PRT	96857	0.25	96616	450 (7.85)	472 (3.76)	. (.)
SVK	77067	0.25	76875	481 (8.48)	492 (3.40)	. (.)
ESP	344372	0.07	344114	485 (4.77)	482 (2.85)	. (.)
SWE	107104	0.25	106836	524 (3.47)	504 (2.52)	. (.)
CHE	86491	0.14	86370	533 (6.78)	520 (2.91)	. (.)
TUR	481279	0.07	480922	396 (12.88)	408 (5.92)	. (.)
GBR	698579	3.61	673349	528 (3.84)	505 (2.59)	. (.)
USA	3147089	0.76	3123066	488 (4.80)	476 (3.24)	. (.)
TOT	.	2.83	.	513 (1.90)	486 (1.21)	473 (10.08)
AVG	.	4.46	.	522 (1.01)	496 (0.67)	484 (4.12)
HKG	72484	0.21	72334	566 (10.77)	547 (4.13)	. (.)
IDN	1971476	0.10	1969507	380 (10.03)	361 (3.21)	. (.)
LVA	33643	0.27	33553	482 (4.71)	483 (4.23)	439 (16.92)
LIE	338	.	338	516 (17.85)	531 (4.20)	. (.)
MAC	6546	.	6546	525 (14.11)	533 (2.59)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.60	68186	412 (4.11)	424 (3.65)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	381 (9.74)	343 (1.95)	. (.)
URY	33775	0.15	33724	424 (5.04)	407 (3.83)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 4>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.37	234717	14.74 (0.40)	84.62 (0.42)	0.64 (0.12)
AUT	85931	1.08	85003	10.22 (0.60)	89.76 (0.60)	0.02 (.)
BEL	111831	1.93	109675	14.70 (0.55)	83.88 (0.60)	1.41 (0.23)
CAN	330436	9.70	298375	17.54 (0.37)	82.46 (0.37)	. (.)
CZE	121183	4.11	116201	6.68 (0.40)	93.26 (0.40)	0.06 (.)
DNK	51741	0.65	51406	12.16 (0.57)	82.60 (0.69)	5.24 (0.45)
FIN	57884	0.07	57845	5.36 (0.34)	94.64 (0.34)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	17.20 (0.67)	82.80 (0.67)	. (.)
GRC	105131	0.13	104991	17.86 (0.68)	82.04 (0.67)	0.09 (.)
HUN	107044	0.06	106984	25.56 (0.73)	73.64 (0.75)	0.80 (0.23)
ISL	3928	0.63	3903	19.08 (0.67)	80.53 (0.68)	0.40 (.)
IRL	54850	1.03	54285	31.73 (1.02)	68.27 (1.02)	. (.)
ITA	481521	0.12	480946	15.17 (0.50)	84.83 (0.50)	0.00 (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	11.26 (0.52)	84.75 (0.63)	3.99 (0.25)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.49	178496	35.39 (1.08)	64.61 (1.08)	. (.)
NZL	48638	0.69	48300	17.59 (0.58)	79.38 (0.79)	3.03 (0.57)
NOR	52816	0.77	52407	30.95 (0.80)	68.86 (0.81)	0.18 (.)
POL	534900	.	534900	16.94 (0.67)	83.06 (0.67)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.25	76875	16.96 (0.62)	82.96 (0.64)	0.07 (.)
ESP	344372	0.07	344114	9.04 (0.45)	90.96 (0.45)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	9.35 (0.37)	90.27 (0.43)	0.38 (.)
TUR	481279	99.81	937	36.19 (.)	63.81 (.)	. (.)
GBR	698579	11.95	615116	23.96 (0.73)	76.04 (0.73)	. (.)
USA	3147089	0.76	3123066	18.75 (0.57)	81.25 (0.57)	. (.)
TOT	.	37.03	.	18.07 (0.27)	81.81 (0.27)	0.12 (0.01)
AVG	.	24.78	.	17.27 (0.14)	82.01 (0.14)	0.72 (0.04)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.10	1969507	5.84 (0.43)	94.15 (0.43)	0.01 (.)
LVA	33643	0.27	33553	36.63 (1.21)	62.55 (1.24)	0.82 (0.22)
LIE	338	.	338	4.50 (.)	95.20 (0.96)	0.30 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	63.98 (0.95)	35.87 (0.95)	0.15 (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	7.37 (0.45)	92.63 (0.45)	. (.)
TUN	150875	0.07	150770	5.20 (0.45)	94.76 (0.45)	0.04 (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 4>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	526 (2.93)	526 (2.30)	476 (16.29)
AUT	85931	1.08	85003	488 (5.65)	494 (3.67)	. (.)
BEL	111831	1.93	109675	504 (3.91)	512 (3.01)	486 (12.57)
CAN	330436	9.70	298375	523 (2.70)	533 (1.65)	. (.)
CZE	121183	4.11	116201	513 (5.82)	495 (2.74)	. (.)
DNK	51741	0.65	51406	492 (4.80)	495 (2.82)	454 (7.42)
FIN	57884	0.07	57845	550 (5.22)	543 (1.66)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	528 (3.98)	495 (3.76)	. (.)
GRC	105131	0.13	104991	477 (5.29)	471 (4.23)	. (.)
HUN	107044	0.06	106984	484 (3.06)	481 (2.88)	470 (14.48)
ISL	3928	0.63	3903	484 (4.07)	495 (1.83)	. (.)
IRL	54850	1.03	54285	532 (3.07)	507 (2.99)	. (.)
ITA	481521	0.12	480946	469 (4.85)	477 (3.06)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	468 (4.75)	482 (1.73)	460 (8.52)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.49	178496	516 (2.76)	518 (3.51)	. (.)
NZL	48638	0.69	48300	531 (5.25)	521 (2.50)	507 (12.04)
NOR	52816	0.77	52407	498 (3.84)	502 (3.12)	. (.)
POL	534900	.	534900	523 (4.17)	491 (3.12)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.25	76875	463 (4.25)	471 (3.33)	. (.)
ESP	344372	0.07	344114	475 (5.20)	481 (2.69)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	502 (4.73)	499 (3.47)	. (.)
TUR	481279	99.81	937	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	503 (3.50)	506 (3.26)	. (.)
USA	3147089	0.76	3123066	491 (4.04)	497 (3.58)	. (.)
TOT	.	37.03	.	501 (2.03)	498 (1.55)	474 (4.88)
AVG	.	24.78	.	502 (0.90)	499 (0.65)	468 (4.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.10	1969507	370 (7.20)	382 (3.41)	. (.)
LVA	33643	0.27	33553	488 (3.36)	493 (4.56)	441 (18.13)
LIE	338	.	338	. (.)	523 (3.92)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	435 (3.73)	455 (5.10)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	448 (6.15)	418 (2.74)	. (.)
TUN	150875	0.07	150770	383 (10.54)	374 (2.71)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 4>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	520 (2.53)	526 (2.30)	468 (12.23)
AUT	85931	1.08	85003	504 (5.46)	508 (3.31)	. (.)
BEL	111831	1.93	109675	519 (3.91)	535 (2.58)	513 (11.06)
CAN	330436	9.70	298375	529 (2.67)	537 (1.70)	. (.)
CZE	121183	4.11	116201	538 (6.43)	521 (3.18)	. (.)
DNK	51741	0.65	51406	517 (4.52)	516 (2.91)	481 (7.00)
FIN	57884	0.07	57845	550 (5.36)	544 (1.86)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	533 (4.04)	507 (3.69)	. (.)
GRC	105131	0.13	104991	450 (4.85)	444 (3.92)	. (.)
HUN	107044	0.06	106984	485 (3.33)	492 (3.21)	498 (13.21)
ISL	3928	0.63	3903	511 (3.17)	517 (1.79)	. (.)
IRL	54850	1.03	54285	515 (2.85)	497 (2.84)	. (.)
ITA	481521	0.12	480946	459 (4.00)	467 (3.16)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	477 (4.76)	496 (1.32)	476 (6.70)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.49	178496	538 (2.91)	545 (3.79)	. (.)
NZL	48638	0.69	48300	529 (4.48)	524 (2.37)	503 (11.80)
NOR	52816	0.77	52407	486 (3.23)	500 (2.76)	. (.)
POL	534900	.	534900	515 (3.53)	485 (2.75)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.25	76875	489 (4.07)	500 (3.62)	. (.)
ESP	344372	0.07	344114	475 (4.95)	486 (2.43)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	526 (5.57)	527 (3.58)	. (.)
TUR	481279	99.81	937	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	504 (3.55)	507 (3.12)	. (.)
USA	3147089	0.76	3123066	475 (3.76)	485 (3.24)	. (.)
TOT	.	37.03	.	495 (1.81)	495 (1.41)	489 (4.70)
AVG	.	24.78	.	505 (0.87)	507 (0.62)	484 (4.06)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.10	1969507	349 (8.07)	361 (3.89)	. (.)
LVA	33643	0.27	33553	473 (3.63)	490 (4.37)	433 (18.62)
LIE	338	.	338	. (.)	534 (4.09)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	460 (4.08)	483 (4.99)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	447 (6.76)	415 (2.95)	. (.)
TUN	150875	0.07	150770	368 (9.58)	358 (2.36)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 4>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	522 (2.72)	527 (2.30)	468 (14.74)
AUT	85931	1.08	85003	489 (5.24)	493 (3.57)	. (.)
BEL	111831	1.93	109675	504 (3.97)	513 (2.74)	487 (12.67)
CAN	330436	9.70	298375	514 (3.02)	524 (1.95)	. (.)
CZE	121183	4.11	116201	550 (6.18)	527 (3.04)	. (.)
DNK	51741	0.65	51406	478 (5.38)	478 (3.07)	431 (8.59)
FIN	57884	0.07	57845	563 (5.63)	547 (1.93)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	539 (4.05)	505 (4.00)	. (.)
GRC	105131	0.13	104991	484 (5.26)	480 (3.82)	. (.)
HUN	107044	0.06	106984	504 (3.74)	503 (3.08)	492 (15.10)
ISL	3928	0.63	3903	487 (3.83)	498 (1.80)	. (.)
IRL	54850	1.03	54285	521 (3.05)	497 (3.15)	. (.)
ITA	481521	0.12	480946	477 (4.79)	488 (3.25)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	471 (4.94)	485 (1.81)	461 (8.86)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.49	178496	523 (3.21)	531 (4.12)	. (.)
NZL	48638	0.69	48300	528 (4.75)	521 (2.41)	501 (11.70)
NOR	52816	0.77	52407	479 (3.47)	487 (3.32)	. (.)
POL	534900	.	534900	525 (4.19)	492 (3.13)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.25	76875	488 (4.55)	497 (4.04)	. (.)
ESP	344372	0.07	344114	479 (5.44)	488 (2.64)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	524 (6.30)	512 (3.95)	. (.)
TUR	481279	99.81	937	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	520 (4.02)	518 (3.24)	. (.)
USA	3147089	0.76	3123066	477 (4.10)	495 (3.39)	. (.)
TOT	.	37.03	.	499 (1.91)	501 (1.44)	469 (5.26)
AVG	.	24.78	.	505 (0.91)	505 (0.63)	462 (4.67)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.10	1969507	387 (6.23)	396 (3.23)	. (.)
LVA	33643	0.27	33553	481 (4.06)	495 (4.55)	439 (20.19)
LIE	338	.	338	. (.)	523 (4.60)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	481 (3.85)	504 (5.37)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	458 (5.80)	427 (2.65)	. (.)
TUN	150875	0.07	150770	405 (9.29)	384 (2.43)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 12

Q12 Does your mother have any of the following qualifications?
<ISCED 4>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.37	234717	523 (2.56)	532 (2.15)	474 (14.73)
AUT	85931	1.08	85003	510 (5.14)	508 (3.23)	. (.)
BEL	111831	1.93	109675	512 (3.96)	531 (2.53)	505 (11.38)
CAN	330436	9.70	298375	523 (2.78)	536 (1.66)	. (.)
CZE	121183	4.11	116201	538 (5.71)	521 (3.08)	. (.)
DNK	51741	0.65	51406	520 (4.26)	519 (2.62)	481 (7.30)
FIN	57884	0.07	57845	557 (5.77)	547 (1.84)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	540 (3.96)	515 (3.61)	. (.)
GRC	105131	0.13	104991	450 (5.03)	448 (4.02)	. (.)
HUN	107044	0.06	106984	503 (3.47)	500 (3.23)	500 (14.36)
ISL	3928	0.63	3903	499 (3.45)	507 (1.67)	. (.)
IRL	54850	1.03	54285	510 (2.79)	493 (2.71)	. (.)
ITA	481521	0.12	480946	462 (4.46)	471 (3.16)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	477 (4.70)	497 (1.65)	476 (7.02)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.49	178496	522 (2.97)	523 (3.88)	. (.)
NZL	48638	0.69	48300	541 (4.54)	532 (2.25)	514 (11.22)
NOR	52816	0.77	52407	481 (3.61)	495 (2.86)	. (.)
POL	534900	.	534900	504 (3.65)	483 (3.05)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.25	76875	484 (4.11)	494 (3.65)	. (.)
ESP	344372	0.07	344114	467 (5.15)	484 (2.81)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	523 (5.54)	521 (3.29)	. (.)
TUR	481279	99.81	937	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	507 (3.67)	508 (3.01)	. (.)
USA	3147089	0.76	3123066	471 (4.17)	479 (3.45)	. (.)
TOT	.	37.03	.	493 (1.98)	494 (1.51)	490 (4.67)
AVG	.	24.78	.	503 (0.84)	506 (0.63)	485 (4.13)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.10	1969507	350 (6.60)	362 (3.30)	. (.)
LVA	33643	0.27	33553	473 (3.91)	489 (4.70)	441 (17.29)
LIE	338	.	338	. (.)	528 (4.17)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	469 (4.18)	496 (5.99)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	455 (6.25)	423 (2.69)	. (.)
TUN	150875	0.07	150770	354 (8.47)	344 (2.02)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5A, 6>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.44	234552	28.39	(0.82)	70.78	(0.83)	0.83	(0.16)
AUT	85931	1.08	85003	11.34	(0.77)	88.64	(0.77)	0.02	(.)
BEL	111831	1.96	109643	25.86	(0.84)	72.65	(0.87)	1.48	(0.23)
CAN	330436	9.70	298375	28.96	(0.81)	71.04	(0.81)	.	(.)
CZE	121183	4.19	116105	18.27	(0.77)	81.61	(0.77)	0.12	(.)
DNK	51741	0.65	51406	14.57	(0.95)	78.95	(1.06)	6.48	(0.51)
FIN	57884	0.07	57845	22.80	(0.77)	77.16	(0.77)	0.04	(.)
FRA	734579	0.87	728167	17.40	(0.97)	82.60	(0.97)	.	(.)
DEU	884358	5.57	835070	17.99	(0.82)	82.01	(0.82)	.	(.)
GRC	105131	0.13	104991	21.77	(1.66)	78.21	(1.66)	0.02	(.)
HUN	107044	0.06	106984	16.85	(0.94)	82.92	(0.93)	0.23	(.)
ISL	3928	0.63	3903	16.79	(0.62)	82.70	(0.61)	0.50	(.)
IRL	54850	1.03	54285	13.18	(0.84)	86.82	(0.84)	.	(.)
ITA	481521	0.13	480897	14.64	(0.68)	85.36	(0.68)	0.00	(.)
JPN	1240054	0.34	1235867	37.35	(1.09)	62.07	(1.13)	0.58	(.)
KOR	533504	.	533504	27.94	(1.30)	71.98	(1.31)	0.07	(.)
LUX	4080	0.08	4077	16.56	(0.58)	80.05	(0.64)	3.39	(0.27)
MEX	1071650	0.37	1067674	12.29	(0.56)	87.70	(0.56)	0.01	(.)
NLD	184943	3.59	178308	36.55	(1.06)	63.45	(1.06)	.	(.)
NZL	48638	0.69	48300	15.04	(0.58)	81.58	(0.83)	3.38	(0.66)
NOR	52816	0.77	52407	19.38	(0.86)	80.38	(0.87)	0.24	(.)
POL	534900	.	534900	7.87	(0.60)	92.08	(0.60)	0.04	(.)
PRT	96857	0.25	96616	12.08	(0.94)	87.92	(0.94)	.	(.)
SVK	77067	0.69	76534	17.82	(0.94)	82.13	(0.94)	0.04	(.)
ESP	344372	0.07	344114	18.80	(1.18)	81.20	(1.18)	.	(.)
SWE	107104	0.25	106836	24.13	(0.85)	75.72	(0.86)	0.14	(.)
CHE	86491	0.14	86370	16.88	(0.97)	82.81	(0.99)	0.31	(.)
TUR	481279	0.03	481137	12.28	(1.43)	87.69	(1.43)	0.03	(.)
GBR	698579	3.61	673349	15.02	(0.94)	84.98	(0.94)	.	(.)
USA	3147089	0.76	3123066	24.21	(1.10)	75.79	(1.10)	.	(.)
TOT	.	1.37	.	21.35	(0.32)	78.50	(0.33)	0.15	(0.02)
AVG	.	1.27	.	19.39	(0.16)	80.00	(0.17)	0.60	(0.03)
HKG	72484	0.21	72334	5.27	(0.51)	94.73	(0.51)	.	(.)
IDN	1971476	0.11	1969261	11.29	(0.65)	88.69	(0.65)	0.01	(.)
LVA	33643	0.29	33545	15.31	(0.90)	83.34	(0.94)	1.34	(0.30)
LIE	338	.	338	15.96	(1.93)	83.73	(2.00)	0.31	(.)
MAC	6546	0.10	6540	3.63	(0.58)	96.37	(0.58)	.	(.)
RUS	2153373	0.02	2152991	25.87	(1.13)	73.46	(1.11)	0.67	(0.23)
YUG	68596	0.58	68196	15.22	(1.03)	84.38	(1.07)	0.40	(.)
THA	637076	.	637076	9.50	(0.68)	90.50	(0.68)	.	(.)
TUN	150875	0.07	150770	5.73	(0.53)	94.23	(0.53)	0.04	(.)
URY	33775	0.15	33724	15.77	(1.07)	83.60	(1.10)	0.63	(0.12)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	563 (3.28)	512 (2.23)	480 (18.15)
AUT	85931	1.08	85003	553 (6.00)	486 (3.26)	. (.)
BEL	111831	1.96	109643	548 (3.27)	498 (3.22)	478 (13.63)
CAN	330436	9.70	298375	548 (2.52)	525 (1.64)	. (.)
CZE	121183	4.19	116105	540 (4.51)	486 (2.74)	. (.)
DNK	51741	0.65	51406	531 (4.70)	488 (2.77)	468 (7.63)
FIN	57884	0.07	57845	569 (2.83)	536 (1.82)	. (.)
FRA	734579	0.87	728167	537 (4.57)	489 (2.92)	. (.)
DEU	884358	5.57	835070	556 (4.41)	489 (3.61)	. (.)
GRC	105131	0.13	104991	507 (5.37)	463 (3.88)	. (.)
HUN	107044	0.06	106984	542 (4.77)	470 (2.47)	. (.)
ISL	3928	0.63	3903	520 (4.75)	487 (1.78)	. (.)
IRL	54850	1.03	54285	550 (4.85)	510 (2.65)	. (.)
ITA	481521	0.13	480897	517 (4.46)	469 (3.28)	. (.)
JPN	1240054	0.34	1235867	529 (4.40)	481 (4.65)	. (.)
KOR	533504	.	533504	565 (4.76)	522 (3.13)	. (.)
LUX	4080	0.08	4077	521 (3.82)	472 (1.87)	455 (8.85)
MEX	1071650	0.37	1067674	417 (6.45)	397 (4.10)	. (.)
NLD	184943	3.59	178308	539 (3.24)	505 (3.39)	. (.)
NZL	48638	0.69	48300	571 (4.91)	513 (2.55)	522 (10.90)
NOR	52816	0.77	52407	520 (4.72)	496 (2.90)	. (.)
POL	534900	.	534900	555 (5.82)	492 (2.84)	. (.)
PRT	96857	0.25	96616	513 (6.50)	473 (3.62)	. (.)
SVK	77067	0.69	76534	524 (3.79)	458 (3.49)	. (.)
ESP	344372	0.07	344114	513 (4.42)	473 (2.28)	. (.)
SWE	107104	0.25	106836	531 (3.84)	510 (2.36)	. (.)
CHE	86491	0.14	86370	532 (6.14)	492 (2.84)	. (.)
TUR	481279	0.03	481137	521 (14.78)	430 (4.81)	. (.)
GBR	698579	3.61	673349	561 (4.51)	497 (2.36)	. (.)
USA	3147089	0.76	3123066	536 (3.63)	483 (3.39)	. (.)
TOT	.	1.37	.	533 (1.45)	477 (1.27)	461 (10.21)
AVG	.	1.27	.	536 (0.88)	485 (0.64)	475 (4.30)
HKG	72484	0.21	72334	533 (7.49)	508 (3.69)	. (.)
IDN	1971476	0.11	1969261	393 (9.44)	380 (3.00)	. (.)
LVA	33643	0.29	33545	516 (5.89)	486 (3.63)	474 (18.56)
LIE	338	.	338	563 (14.52)	518 (4.46)	. (.)
MAC	6546	0.10	6540	498 (11.46)	498 (2.30)	. (.)
RUS	2153373	0.02	2152991	475 (4.42)	431 (3.94)	438 (21.17)
YUG	68596	0.58	68196	446 (5.51)	406 (3.42)	. (.)
THA	637076	.	637076	468 (8.12)	415 (2.54)	. (.)
TUN	150875	0.07	150770	409 (11.59)	373 (2.59)	. (.)
URY	33775	0.15	33724	486 (7.55)	425 (3.23)	400 (22.27)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	564 (3.07)	510 (2.16)	474 (14.84)
AUT	85931	1.08	85003	560 (5.98)	501 (2.88)	. (.)
BEL	111831	1.96	109643	574 (3.00)	519 (2.70)	500 (12.04)
CAN	330436	9.70	298375	562 (2.65)	525 (1.54)	. (.)
CZE	121183	4.19	116105	577 (4.99)	510 (3.13)	. (.)
DNK	51741	0.65	51406	557 (4.85)	509 (2.70)	485 (5.88)
FIN	57884	0.07	57845	575 (2.93)	535 (1.95)	. (.)
FRA	734579	0.87	728167	553 (4.63)	503 (2.60)	. (.)
DEU	884358	5.57	835070	569 (4.67)	498 (3.44)	. (.)
GRC	105131	0.13	104991	484 (5.94)	434 (3.35)	. (.)
HUN	107044	0.06	106984	559 (5.34)	476 (2.75)	. (.)
ISL	3928	0.63	3903	548 (4.07)	509 (1.67)	. (.)
IRL	54850	1.03	54285	542 (5.19)	497 (2.43)	. (.)
ITA	481521	0.13	480897	500 (4.66)	460 (3.20)	. (.)
JPN	1240054	0.34	1235867	568 (5.23)	515 (4.45)	. (.)
KOR	533504	.	533504	582 (5.92)	527 (3.00)	. (.)
LUX	4080	0.08	4077	545 (3.21)	483 (1.41)	470 (6.85)
MEX	1071650	0.37	1067674	398 (5.67)	384 (3.61)	. (.)
NLD	184943	3.59	178308	570 (3.51)	527 (3.55)	. (.)
NZL	48638	0.69	48300	576 (4.66)	515 (2.31)	519 (10.84)
NOR	52816	0.77	52407	515 (4.45)	491 (2.44)	. (.)
POL	534900	.	534900	554 (5.63)	485 (2.43)	. (.)
PRT	96857	0.25	96616	505 (6.58)	461 (3.25)	. (.)
SVK	77067	0.69	76534	561 (3.95)	485 (3.71)	. (.)
ESP	344372	0.07	344114	525 (3.93)	476 (2.07)	. (.)
SWE	107104	0.25	106836	528 (4.00)	503 (2.44)	. (.)
CHE	86491	0.14	86370	569 (6.32)	518 (2.81)	. (.)
TUR	481279	0.03	481137	529 (17.50)	409 (5.09)	. (.)
GBR	698579	3.61	673349	566 (3.93)	497 (2.40)	. (.)
USA	3147089	0.76	3123066	529 (3.52)	469 (2.87)	. (.)
TOT	.	1.37	.	542 (1.57)	476 (1.14)	472 (7.58)
AVG	.	1.27	.	549 (0.90)	489 (0.65)	486 (3.81)
HKG	72484	0.21	72334	581 (9.72)	549 (4.50)	. (.)
IDN	1971476	0.11	1969261	372 (11.25)	359 (3.38)	. (.)
LVA	33643	0.29	33545	511 (6.40)	479 (3.61)	479 (17.23)
LIE	338	.	338	591 (13.03)	526 (4.81)	. (.)
MAC	6546	0.10	6540	514 (14.12)	528 (3.01)	. (.)
RUS	2153373	0.02	2152991	500 (4.81)	457 (4.24)	462 (24.37)
YUG	68596	0.58	68196	482 (5.45)	429 (3.59)	. (.)
THA	637076	.	637076	475 (8.19)	411 (2.76)	. (.)
TUN	150875	0.07	150770	422 (11.45)	355 (2.24)	. (.)
URY	33775	0.15	33724	466 (6.51)	414 (3.11)	405 (16.45)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	565 (3.32)	510 (2.15)	473 (17.90)
AUT	85931	1.08	85003	552 (5.54)	485 (3.09)	. (.)
BEL	111831	1.96	109643	552 (3.42)	498 (2.86)	476 (13.88)
CAN	330436	9.70	298375	549 (2.79)	512 (1.82)	. (.)
CZE	121183	4.19	116105	582 (4.80)	516 (3.03)	. (.)
DNK	51741	0.65	51406	522 (5.32)	470 (2.93)	438 (8.42)
FIN	57884	0.07	57845	575 (3.04)	540 (2.03)	. (.)
FRA	734579	0.87	728167	566 (5.60)	501 (3.26)	. (.)
DEU	884358	5.57	835070	580 (4.83)	496 (3.72)	. (.)
GRC	105131	0.13	104991	514 (5.30)	472 (3.49)	. (.)
HUN	107044	0.06	106984	571 (5.92)	490 (2.57)	. (.)
ISL	3928	0.63	3903	535 (4.54)	488 (1.66)	. (.)
IRL	54850	1.03	54285	545 (5.27)	499 (2.73)	. (.)
ITA	481521	0.13	480897	530 (5.15)	479 (3.33)	. (.)
JPN	1240054	0.34	1235867	581 (5.19)	529 (4.73)	. (.)
KOR	533504	.	533504	574 (6.11)	525 (3.50)	. (.)
LUX	4080	0.08	4077	534 (4.18)	473 (1.99)	457 (9.02)
MEX	1071650	0.37	1067674	419 (5.93)	403 (3.41)	. (.)
NLD	184943	3.59	178308	556 (3.80)	512 (3.85)	. (.)
NZL	48638	0.69	48300	577 (5.05)	512 (2.42)	515 (10.74)
NOR	52816	0.77	52407	504 (5.22)	480 (2.91)	. (.)
POL	534900	.	534900	576 (6.11)	491 (2.73)	. (.)
PRT	96857	0.25	96616	509 (6.06)	462 (3.42)	. (.)
SVK	77067	0.69	76534	558 (4.65)	482 (4.15)	. (.)
ESP	344372	0.07	344114	533 (4.41)	477 (2.21)	. (.)
SWE	107104	0.25	106836	527 (4.20)	500 (2.81)	. (.)
CHE	86491	0.14	86370	558 (7.43)	504 (3.05)	. (.)
TUR	481279	0.03	481137	528 (15.98)	421 (4.59)	. (.)
GBR	698579	3.61	673349	581 (4.83)	507 (2.46)	. (.)
USA	3147089	0.76	3123066	536 (3.96)	477 (3.13)	. (.)
TOT	.	1.37	.	549 (1.58)	482 (1.15)	472 (8.75)
AVG	.	1.27	.	549 (0.91)	489 (0.60)	465 (4.95)
HKG	72484	0.21	72334	576 (8.72)	537 (4.26)	. (.)
IDN	1971476	0.11	1969261	413 (8.72)	393 (2.86)	. (.)
LVA	33643	0.29	33545	520 (6.68)	484 (3.90)	474 (19.86)
LIE	338	.	338	577 (14.41)	516 (5.45)	. (.)
MAC	6546	0.10	6540	530 (13.01)	525 (3.12)	. (.)
RUS	2153373	0.02	2152991	522 (5.02)	478 (4.07)	478 (24.11)
YUG	68596	0.58	68196	478 (6.00)	429 (3.19)	. (.)
THA	637076	.	637076	489 (7.52)	423 (2.43)	. (.)
TUN	150875	0.07	150770	429 (10.96)	382 (2.28)	. (.)
URY	33775	0.15	33724	489 (7.06)	429 (2.80)	411 (18.38)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5A, 6>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	565 (2.71)	516 (2.11)	486 (16.70)
AUT	85931	1.08	85003	561 (5.32)	501 (2.81)	. (.)
BEL	111831	1.96	109643	566 (3.27)	515 (2.56)	495 (11.77)
CAN	330436	9.70	298375	559 (2.57)	523 (1.50)	. (.)
CZE	121183	4.19	116105	572 (4.81)	511 (2.99)	. (.)
DNK	51741	0.65	51406	553 (4.95)	513 (2.47)	489 (6.27)
FIN	57884	0.07	57845	574 (3.02)	540 (1.96)	. (.)
FRA	734579	0.87	728167	556 (4.76)	513 (2.84)	. (.)
DEU	884358	5.57	835070	572 (4.24)	507 (3.41)	. (.)
GRC	105131	0.13	104991	488 (6.09)	438 (3.38)	. (.)
HUN	107044	0.06	106984	570 (5.41)	487 (2.70)	. (.)
ISL	3928	0.63	3903	538 (3.82)	499 (1.74)	. (.)
IRL	54850	1.03	54285	536 (4.63)	492 (2.34)	. (.)
ITA	481521	0.13	480897	504 (4.89)	464 (3.28)	. (.)
JPN	1240054	0.34	1235867	581 (4.89)	528 (4.64)	. (.)
KOR	533504	.	533504	586 (5.28)	537 (2.96)	. (.)
LUX	4080	0.08	4077	543 (3.63)	484 (1.72)	473 (7.82)
MEX	1071650	0.37	1067674	404 (6.69)	382 (4.22)	. (.)
NLD	184943	3.59	178308	548 (3.60)	508 (3.71)	. (.)
NZL	48638	0.69	48300	578 (4.50)	525 (2.22)	529 (10.55)
NOR	52816	0.77	52407	512 (4.61)	485 (2.67)	. (.)
POL	534900	.	534900	538 (6.19)	482 (2.72)	. (.)
PRT	96857	0.25	96616	508 (6.82)	465 (3.77)	. (.)
SVK	77067	0.69	76534	553 (3.76)	479 (3.77)	. (.)
ESP	344372	0.07	344114	527 (4.03)	472 (2.39)	. (.)
SWE	107104	0.25	106836	525 (3.81)	504 (2.35)	. (.)
CHE	86491	0.14	86370	557 (5.57)	514 (2.64)	. (.)
TUR	481279	0.03	481137	501 (15.15)	394 (4.68)	. (.)
GBR	698579	3.61	673349	561 (3.94)	501 (2.38)	. (.)
USA	3147089	0.76	3123066	523 (3.68)	463 (3.09)	. (.)
TOT	.	1.37	.	541 (1.59)	476 (1.24)	482 (8.33)
AVG	.	1.27	.	546 (0.90)	490 (0.67)	490 (4.15)
HKG	72484	0.21	72334	578 (8.79)	546 (4.18)	. (.)
IDN	1971476	0.11	1969261	377 (9.39)	359 (2.86)	. (.)
LVA	33643	0.29	33545	520 (6.64)	476 (3.80)	473 (17.30)
LIE	338	.	338	578 (15.07)	520 (4.87)	. (.)
MAC	6546	0.10	6540	522 (13.76)	533 (2.56)	. (.)
RUS	2153373	0.02	2152991	517 (4.85)	465 (4.78)	476 (20.98)
YUG	68596	0.58	68196	460 (5.35)	413 (3.19)	. (.)
THA	637076	.	637076	481 (7.57)	419 (2.52)	. (.)
TUN	150875	0.07	150770	392 (9.95)	342 (1.99)	. (.)
URY	33775	0.15	33724	467 (7.11)	400 (3.62)	385 (17.85)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5B>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.44	234552	13.01	(0.37)	86.18	(0.41)	0.81	(0.16)
AUT	85931	1.08	85003	25.94	(0.73)	74.05	(0.73)	0.02	(.)
BEL	111831	1.96	109643	16.52	(0.39)	81.97	(0.44)	1.51	(0.23)
CAN	330436	9.70	298375	25.10	(0.55)	74.90	(0.55)	.	(.)
CZE	121183	4.19	116105	1.55	(0.15)	98.34	(0.18)	0.12	(.)
DNK	51741	0.65	51406	21.49	(0.84)	72.03	(0.97)	6.48	(0.51)
FIN	57884	0.07	57845	26.97	(0.62)	72.98	(0.62)	0.04	(.)
FRA	734579	0.87	728167	10.92	(0.53)	89.08	(0.53)	.	(.)
DEU	884358	5.57	835070	14.45	(0.62)	85.55	(0.62)	.	(.)
GRC	105131	0.13	104991	11.60	(0.62)	88.34	(0.62)	0.05	(.)
HUN	107044	0.06	106984	5.66	(0.34)	94.11	(0.36)	0.23	(.)
ISL	3928	0.63	3903	14.83	(0.69)	84.67	(0.70)	0.50	(.)
IRL	54850	1.03	54285	16.16	(0.68)	83.84	(0.68)	.	(.)
ITA	481521	0.13	480897	11.25	(0.45)	88.75	(0.45)	0.00	(.)
JPN	1240054	0.34	1235867	9.20	(0.47)	90.22	(0.55)	0.58	(.)
KOR	533504	.	533504	6.97	(0.41)	92.95	(0.40)	0.07	(.)
LUX	4080	0.08	4077	21.16	(0.66)	75.35	(0.65)	3.49	(0.27)
MEX	1071650	0.37	1067674	14.64	(0.96)	85.36	(0.96)	0.00	(.)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	0.72	48288	13.10	(0.52)	83.54	(0.82)	3.36	(0.65)
NOR	52816	0.77	52407	27.00	(0.79)	72.71	(0.80)	0.28	(.)
POL	534900	.	534900	9.39	(0.49)	90.57	(0.50)	0.04	(.)
PRT	96857	0.25	96616	7.30	(0.46)	92.70	(0.46)	.	(.)
SVK	77067	0.69	76534	2.33	(0.19)	97.63	(0.19)	0.04	(.)
ESP	344372	0.07	344114	9.76	(0.42)	90.24	(0.42)	.	(.)
SWE	107104	0.25	106836	17.56	(0.59)	82.30	(0.59)	0.14	(.)
CHE	86491	0.14	86370	21.20	(0.69)	78.47	(0.66)	0.33	(.)
TUR	481279	0.03	481137	6.28	(0.47)	93.69	(0.47)	0.03	(.)
GBR	698579	3.61	673349	13.85	(0.57)	86.15	(0.57)	.	(.)
USA	3147089	0.76	3123066	13.86	(0.50)	86.14	(0.50)	.	(.)
TOT	.	2.84	.	12.53	(0.18)	87.31	(0.18)	0.15	(0.02)
AVG	.	4.49	.	14.08	(0.11)	85.29	(0.11)	0.63	(0.03)
HKG	72484	0.21	72334	5.27	(0.44)	94.73	(0.44)	.	(.)
IDN	1971476	0.11	1969261	4.89	(0.33)	95.10	(0.33)	0.01	(.)
LVA	33643	0.29	33545	26.58	(1.45)	72.08	(1.48)	1.34	(0.30)
LIE	338	.	338	24.94	(2.46)	74.45	(2.42)	0.60	(.)
MAC	6546	0.10	6540	2.18	(0.41)	97.82	(0.41)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)
YUG	68596	0.61	68178	25.69	(0.71)	73.91	(0.71)	0.40	(.)
THA	637076	100.00	0	.	(.)	.	(.)	.	(.)
TUN	150875	0.07	150770	7.05	(0.47)	92.89	(0.47)	0.06	(.)
URY	33775	0.15	33724	22.47	(0.76)	76.97	(0.79)	0.56	(0.12)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5B>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	532 (3.49)	525 (2.23)	478 (18.16)
AUT	85931	1.08	85003	487 (4.11)	495 (4.01)	. (.)
BEL	111831	1.96	109643	526 (4.01)	508 (2.93)	478 (13.61)
CAN	330436	9.70	298375	544 (2.36)	527 (1.64)	. (.)
CZE	121183	4.19	116105	512 (11.83)	496 (2.76)	. (.)
DNK	51741	0.65	51406	519 (3.62)	487 (2.98)	468 (7.63)
FIN	57884	0.07	57845	552 (2.77)	540 (1.71)	. (.)
FRA	734579	0.87	728167	495 (4.50)	498 (2.89)	. (.)
DEU	884358	5.57	835070	514 (3.80)	499 (3.77)	. (.)
GRC	105131	0.13	104991	466 (6.22)	473 (4.17)	. (.)
HUN	107044	0.06	106984	484 (7.37)	482 (2.44)	. (.)
ISL	3928	0.63	3903	489 (4.90)	493 (1.88)	. (.)
IRL	54850	1.03	54285	530 (4.30)	512 (2.70)	. (.)
ITA	481521	0.13	480897	479 (4.52)	475 (3.12)	. (.)
JPN	1240054	0.34	1235867	482 (6.93)	501 (3.99)	. (.)
KOR	533504	.	533504	524 (6.14)	535 (3.07)	. (.)
LUX	4080	0.08	4077	503 (3.38)	474 (1.84)	453 (9.02)
MEX	1071650	0.37	1067674	443 (6.02)	393 (3.79)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	547 (4.57)	519 (2.62)	519 (11.03)
NOR	52816	0.77	52407	521 (4.00)	493 (3.00)	. (.)
POL	534900	.	534900	542 (4.35)	492 (2.97)	. (.)
PRT	96857	0.25	96616	443 (8.31)	481 (3.66)	. (.)
SVK	77067	0.69	76534	454 (9.60)	470 (3.11)	. (.)
ESP	344372	0.07	344114	491 (4.54)	479 (2.83)	. (.)
SWE	107104	0.25	106836	521 (3.91)	513 (2.51)	. (.)
CHE	86491	0.14	86370	510 (4.39)	496 (3.41)	. (.)
TUR	481279	0.03	481137	449 (11.50)	440 (5.73)	. (.)
GBR	698579	3.61	673349	523 (4.61)	504 (2.64)	. (.)
USA	3147089	0.76	3123066	499 (5.14)	495 (3.36)	. (.)
TOT	.	2.84	.	498 (1.78)	487 (1.26)	461 (10.25)
AVG	.	4.49	.	509 (1.00)	492 (0.68)	475 (4.39)
HKG	72484	0.21	72334	527 (8.17)	509 (3.61)	. (.)
IDN	1971476	0.11	1969261	387 (6.80)	381 (3.35)	. (.)
LVA	33643	0.29	33545	488 (4.67)	492 (3.81)	474 (18.56)
LIE	338	.	338	540 (9.09)	520 (4.38)	. (.)
MAC	6546	0.10	6540	487 (12.80)	498 (2.21)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.61	68178	404 (3.93)	415 (3.78)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	386 (8.68)	374 (2.73)	. (.)
URY	33775	0.15	33724	452 (4.91)	429 (3.90)	406 (20.78)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5B>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	524 (3.36)	525 (2.25)	470 (14.35)
AUT	85931	1.08	85003	499 (3.52)	510 (3.65)	. (.)
BEL	111831	1.96	109643	547 (3.98)	531 (2.52)	500 (12.39)
CAN	330436	9.70	298375	544 (2.61)	533 (1.66)	. (.)
CZE	121183	4.19	116105	543 (10.70)	522 (3.20)	. (.)
DNK	51741	0.65	51406	543 (3.88)	509 (2.90)	485 (5.88)
FIN	57884	0.07	57845	547 (2.60)	543 (2.02)	. (.)
FRA	734579	0.87	728167	514 (4.45)	512 (2.65)	. (.)
DEU	884358	5.57	835070	525 (4.25)	509 (3.73)	. (.)
GRC	105131	0.13	104991	433 (6.27)	447 (3.91)	. (.)
HUN	107044	0.06	106984	504 (7.03)	489 (2.88)	. (.)
ISL	3928	0.63	3903	519 (4.30)	515 (1.68)	. (.)
IRL	54850	1.03	54285	521 (4.02)	499 (2.51)	. (.)
ITA	481521	0.13	480897	460 (4.22)	466 (3.15)	. (.)
JPN	1240054	0.34	1235867	518 (6.50)	537 (4.15)	. (.)
KOR	533504	.	533504	528 (6.53)	543 (3.25)	. (.)
LUX	4080	0.08	4077	509 (3.43)	490 (1.40)	470 (7.23)
MEX	1071650	0.37	1067674	428 (5.60)	378 (3.33)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	552 (4.33)	520 (2.36)	516 (11.03)
NOR	52816	0.77	52407	512 (3.37)	489 (2.57)	. (.)
POL	534900	.	534900	532 (4.47)	486 (2.61)	. (.)
PRT	96857	0.25	96616	455 (8.00)	467 (3.31)	. (.)
SVK	77067	0.69	76534	490 (9.71)	499 (3.33)	. (.)
ESP	344372	0.07	344114	495 (3.73)	484 (2.62)	. (.)
SWE	107104	0.25	106836	515 (3.92)	508 (2.63)	. (.)
CHE	86491	0.14	86370	538 (4.19)	523 (3.49)	. (.)
TUR	481279	0.03	481137	425 (13.38)	423 (6.63)	. (.)
GBR	698579	3.61	673349	528 (4.40)	504 (2.57)	. (.)
USA	3147089	0.76	3123066	490 (4.81)	482 (2.99)	. (.)
TOT	.	2.84	.	499 (1.63)	488 (1.14)	472 (7.54)
AVG	.	4.49	.	513 (0.96)	497 (0.66)	486 (3.86)
HKG	72484	0.21	72334	575 (11.19)	549 (4.41)	. (.)
IDN	1971476	0.11	1969261	364 (7.78)	360 (3.84)	. (.)
LVA	33643	0.29	33545	482 (4.50)	484 (3.85)	479 (17.23)
LIE	338	.	338	554 (8.72)	529 (5.42)	. (.)
MAC	6546	0.10	6540	541 (15.84)	527 (2.98)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.61	68178	430 (4.57)	439 (3.77)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	377 (7.53)	357 (2.37)	. (.)
URY	33775	0.15	33724	433 (4.77)	419 (3.47)	407 (16.83)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5B>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	529 (3.58)	525 (2.18)	468 (17.60)
AUT	85931	1.08	85003	486 (3.75)	495 (3.94)	. (.)
BEL	111831	1.96	109643	528 (3.89)	509 (2.72)	475 (14.26)
CAN	330436	9.70	298375	533 (2.72)	519 (1.88)	. (.)
CZE	121183	4.19	116105	556 (12.31)	528 (3.09)	. (.)
DNK	51741	0.65	51406	508 (4.83)	470 (3.29)	438 (8.42)
FIN	57884	0.07	57845	554 (3.26)	546 (2.05)	. (.)
FRA	734579	0.87	728167	519 (5.25)	511 (3.19)	. (.)
DEU	884358	5.57	835070	525 (3.98)	509 (4.07)	. (.)
GRC	105131	0.13	104991	485 (6.90)	481 (3.82)	. (.)
HUN	107044	0.06	106984	507 (7.05)	503 (2.80)	. (.)
ISL	3928	0.63	3903	499 (4.93)	495 (1.71)	. (.)
IRL	54850	1.03	54285	528 (4.48)	500 (2.80)	. (.)
ITA	481521	0.13	480897	490 (4.87)	486 (3.24)	. (.)
JPN	1240054	0.34	1235867	528 (6.48)	551 (4.25)	. (.)
KOR	533504	.	533504	532 (7.47)	539 (3.49)	. (.)
LUX	4080	0.08	4077	506 (4.21)	477 (1.96)	458 (9.01)
MEX	1071650	0.37	1067674	446 (5.77)	398 (3.10)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	551 (4.58)	517 (2.53)	511 (10.88)
NOR	52816	0.77	52407	509 (4.00)	476 (3.12)	. (.)
POL	534900	.	534900	553 (5.15)	492 (2.90)	. (.)
PRT	96857	0.25	96616	457 (7.16)	469 (3.46)	. (.)
SVK	77067	0.69	76534	492 (9.92)	495 (3.67)	. (.)
ESP	344372	0.07	344114	499 (4.44)	486 (2.75)	. (.)
SWE	107104	0.25	106836	512 (4.95)	505 (2.84)	. (.)
CHE	86491	0.14	86370	526 (4.95)	509 (3.66)	. (.)
TUR	481279	0.03	481137	441 (11.26)	434 (5.86)	. (.)
GBR	698579	3.61	673349	543 (5.07)	514 (2.73)	. (.)
USA	3147089	0.76	3123066	492 (5.06)	492 (3.21)	. (.)
TOT	.	2.84	.	504 (1.69)	495 (1.14)	472 (8.70)
AVG	.	4.49	.	513 (0.98)	498 (0.61)	465 (4.81)
HKG	72484	0.21	72334	563 (8.75)	538 (4.18)	. (.)
IDN	1971476	0.11	1969261	406 (5.95)	395 (3.17)	. (.)
LVA	33643	0.29	33545	486 (4.89)	491 (4.11)	474 (19.86)
LIE	338	.	338	546 (9.99)	518 (5.39)	. (.)
MAC	6546	0.10	6540	550 (16.04)	524 (3.12)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.61	68178	435 (3.79)	437 (3.78)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	402 (8.49)	383 (2.45)	. (.)
URY	33775	0.15	33724	452 (4.81)	435 (3.20)	415 (18.90)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 5B>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	533 (3.38)	530 (2.08)	481 (15.99)
AUT	85931	1.08	85003	497 (3.57)	511 (3.50)	. (.)
BEL	111831	1.96	109643	543 (3.83)	526 (2.41)	494 (12.11)
CAN	330436	9.70	298375	542 (2.42)	530 (1.61)	. (.)
CZE	121183	4.19	116105	543 (10.72)	522 (3.06)	. (.)
DNK	51741	0.65	51406	545 (3.38)	511 (2.71)	489 (6.27)
FIN	57884	0.07	57845	551 (2.95)	546 (1.99)	. (.)
FRA	734579	0.87	728167	529 (4.92)	519 (2.78)	. (.)
DEU	884358	5.57	835070	533 (4.04)	517 (3.61)	. (.)
GRC	105131	0.13	104991	432 (6.19)	451 (3.99)	. (.)
HUN	107044	0.06	106984	516 (7.39)	500 (2.84)	. (.)
ISL	3928	0.63	3903	511 (4.14)	504 (1.62)	. (.)
IRL	54850	1.03	54285	517 (3.95)	495 (2.40)	. (.)
ITA	481521	0.13	480897	471 (4.14)	470 (3.20)	. (.)
JPN	1240054	0.34	1235867	532 (7.09)	550 (4.21)	. (.)
KOR	533504	.	533504	542 (5.69)	551 (3.11)	. (.)
LUX	4080	0.08	4077	507 (3.59)	491 (1.67)	472 (7.85)
MEX	1071650	0.37	1067674	436 (6.20)	376 (3.98)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	554 (4.39)	530 (2.29)	526 (10.60)
NOR	52816	0.77	52407	507 (3.87)	484 (2.79)	. (.)
POL	534900	.	534900	526 (4.54)	483 (2.86)	. (.)
PRT	96857	0.25	96616	451 (8.48)	472 (3.74)	. (.)
SVK	77067	0.69	76534	475 (10.99)	492 (3.36)	. (.)
ESP	344372	0.07	344114	493 (4.02)	481 (2.93)	. (.)
SWE	107104	0.25	106836	519 (3.95)	507 (2.49)	. (.)
CHE	86491	0.14	86370	533 (4.27)	518 (3.02)	. (.)
TUR	481279	0.03	481137	402 (11.66)	408 (6.01)	. (.)
GBR	698579	3.61	673349	527 (4.37)	507 (2.49)	. (.)
USA	3147089	0.76	3123066	484 (4.87)	477 (3.18)	. (.)
TOT	.	2.84	.	500 (1.68)	488 (1.22)	481 (8.40)
AVG	.	4.49	.	514 (1.00)	498 (0.68)	489 (4.11)
HKG	72484	0.21	72334	567 (9.14)	547 (4.09)	. (.)
IDN	1971476	0.11	1969261	369 (6.68)	361 (3.25)	. (.)
LVA	33643	0.29	33545	479 (4.91)	484 (4.05)	473 (17.30)
LIE	338	.	338	546 (8.70)	524 (4.82)	. (.)
MAC	6546	0.10	6540	527 (15.75)	533 (2.59)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.61	68178	411 (4.23)	424 (3.44)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	362 (6.67)	343 (2.00)	. (.)
URY	33775	0.15	33724	421 (5.55)	408 (3.81)	381 (17.47)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 4>

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.44	234552	17.28	(0.41)	81.91	(0.45)	0.81	(0.16)
AUT	85931	1.08	85003	1.92	(0.24)	98.07	(0.24)	0.02	(.)
BEL	111831	1.96	109643	16.97	(0.50)	81.52	(0.52)	1.51	(0.24)
CAN	330436	9.70	298375	24.94	(0.50)	75.06	(0.50)	.	(.)
CZE	121183	4.19	116105	6.03	(0.39)	93.85	(0.40)	0.12	(.)
DNK	51741	0.65	51406	7.93	(0.47)	85.59	(0.61)	6.48	(0.51)
FIN	57884	0.07	57845	5.88	(0.32)	94.08	(0.32)	0.04	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	14.18	(0.66)	85.82	(0.66)	.	(.)
GRC	105131	0.13	104991	17.48	(0.81)	82.51	(0.81)	0.01	(.)
HUN	107044	0.06	106984	20.32	(0.64)	79.45	(0.63)	0.23	(.)
ISL	3928	0.63	3903	32.36	(0.78)	67.13	(0.78)	0.50	(.)
IRL	54850	1.03	54285	25.84	(0.66)	74.16	(0.66)	.	(.)
ITA	481521	0.13	480897	14.86	(0.49)	85.13	(0.49)	0.00	(.)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	100.00	0	.	(.)	.	(.)	.	(.)
LUX	4080	0.08	4077	18.48	(0.63)	77.88	(0.69)	3.64	(0.27)
MEX	1071650	100.00	0	.	(.)	.	(.)	.	(.)
NLD	184943	3.59	178308	30.85	(1.15)	69.15	(1.15)	.	(.)
NZL	48638	0.69	48300	28.02	(0.87)	68.60	(0.97)	3.38	(0.68)
NOR	52816	0.77	52407	28.13	(0.80)	71.63	(0.81)	0.23	(.)
POL	534900	.	534900	10.51	(0.54)	89.49	(0.54)	.	(.)
PRT	96857	100.00	0	.	(.)	.	(.)	.	(.)
SVK	77067	0.69	76534	14.26	(0.58)	85.70	(0.58)	0.04	(.)
ESP	344372	0.07	344114	10.17	(0.34)	89.83	(0.34)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)
CHE	86491	0.14	86370	4.56	(0.34)	95.18	(0.40)	0.26	(.)
TUR	481279	99.80	984	72.93	(.)	27.07	(.)	.	(.)
GBR	698579	11.95	615116	20.91	(0.66)	79.09	(0.66)	.	(.)
USA	3147089	0.76	3123066	20.38	(0.59)	79.62	(0.59)	.	(.)
TOT	.	37.04	.	17.77	(0.27)	82.11	(0.27)	0.13	(0.01)
AVG	.	24.80	.	17.01	(0.15)	82.23	(0.15)	0.76	(0.04)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	0.11	1969261	4.88	(0.37)	95.11	(0.37)	0.01	(.)
LVA	33643	0.29	33545	33.27	(1.43)	65.38	(1.44)	1.34	(0.30)
LIE	338	.	338	4.25	(.)	95.45	(1.24)	0.31	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	57.73	(1.16)	41.60	(1.16)	0.67	(0.23)
YUG	68596	100.00	0	.	(.)	.	(.)	.	(.)
THA	637076	.	637076	9.73	(0.50)	90.27	(0.50)	.	(.)
TUN	150875	0.07	150770	8.41	(0.62)	91.53	(0.62)	0.06	(.)
URY	33775	100.00	0	.	(.)	.	(.)	.	(.)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 4>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	520 (2.41)	528 (2.35)	478 (18.16)
AUT	85931	1.08	85003	446 (15.96)	494 (3.43)	. (.)
BEL	111831	1.96	109643	511 (3.44)	511 (3.10)	480 (13.73)
CAN	330436	9.70	298375	530 (2.20)	532 (1.71)	. (.)
CZE	121183	4.19	116105	496 (6.08)	496 (2.74)	. (.)
DNK	51741	0.65	51406	486 (6.38)	495 (2.90)	468 (7.63)
FIN	57884	0.07	57845	546 (5.41)	543 (1.68)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	516 (5.17)	498 (3.64)	. (.)
GRC	105131	0.13	104991	486 (5.39)	470 (4.29)	. (.)
HUN	107044	0.06	106984	474 (3.42)	484 (2.63)	. (.)
ISL	3928	0.63	3903	487 (2.99)	496 (2.08)	. (.)
IRL	54850	1.03	54285	528 (3.56)	511 (2.79)	. (.)
ITA	481521	0.13	480897	470 (4.65)	477 (3.01)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	484 (3.57)	479 (1.90)	460 (8.43)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.59	178308	517 (3.05)	518 (3.29)	. (.)
NZL	48638	0.69	48300	530 (3.68)	519 (2.90)	518 (10.88)
NOR	52816	0.77	52407	496 (4.13)	502 (3.02)	. (.)
POL	534900	.	534900	520 (4.76)	494 (3.01)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.69	76534	444 (4.34)	474 (3.24)	. (.)
ESP	344372	0.07	344114	478 (5.64)	481 (2.63)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	467 (7.27)	501 (3.34)	. (.)
TUR	481279	99.80	984	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	497 (3.90)	508 (3.13)	. (.)
USA	3147089	0.76	3123066	496 (3.78)	496 (3.57)	. (.)
TOT	.	37.04	.	500 (1.91)	498 (1.53)	482 (6.04)
AVG	.	24.80	.	501 (0.95)	500 (0.65)	477 (4.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.11	1969261	367 (8.29)	382 (3.40)	. (.)
LVA	33643	0.29	33545	490 (4.15)	491 (4.16)	474 (18.56)
LIE	338	.	338	. (.)	525 (3.76)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	434 (3.89)	454 (4.80)	438 (21.17)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	441 (5.44)	418 (2.71)	. (.)
TUN	150875	0.07	150770	392 (7.23)	373 (2.83)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 4>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	517 (2.45)	527 (2.41)	470 (14.35)
AUT	85931	1.08	85003	460 (16.38)	508 (3.09)	. (.)
BEL	111831	1.96	109643	531 (3.24)	534 (2.74)	502 (12.43)
CAN	330436	9.70	298375	534 (2.11)	536 (1.81)	. (.)
CZE	121183	4.19	116105	520 (6.26)	523 (3.17)	. (.)
DNK	51741	0.65	51406	510 (5.64)	517 (2.95)	485 (5.88)
FIN	57884	0.07	57845	548 (5.27)	544 (1.88)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	523 (5.28)	509 (3.58)	. (.)
GRC	105131	0.13	104991	457 (5.25)	443 (3.98)	. (.)
HUN	107044	0.06	106984	476 (3.43)	494 (3.07)	. (.)
ISL	3928	0.63	3903	517 (2.56)	515 (1.82)	. (.)
IRL	54850	1.03	54285	511 (3.39)	500 (2.62)	. (.)
ITA	481521	0.13	480897	463 (4.36)	466 (3.11)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	493 (3.40)	494 (1.43)	475 (6.71)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.59	178308	540 (3.16)	544 (3.55)	. (.)
NZL	48638	0.69	48300	532 (3.07)	521 (2.62)	516 (10.78)
NOR	52816	0.77	52407	490 (3.54)	498 (2.75)	. (.)
POL	534900	.	534900	503 (4.41)	489 (2.63)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.69	76534	475 (4.21)	502 (3.59)	. (.)
ESP	344372	0.07	344114	484 (5.08)	485 (2.38)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	502 (7.42)	528 (3.46)	. (.)
TUR	481279	99.80	984	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	496 (4.21)	509 (2.99)	. (.)
USA	3147089	0.76	3123066	481 (3.57)	484 (3.22)	. (.)
TOT	.	37.04	.	494 (1.87)	496 (1.36)	490 (5.21)
AVG	.	24.80	.	505 (0.89)	507 (0.62)	488 (4.01)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.11	1969261	350 (6.92)	361 (3.95)	. (.)
LVA	33643	0.29	33545	477 (3.83)	487 (4.12)	479 (17.23)
LIE	338	.	338	. (.)	537 (4.13)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	461 (4.11)	479 (4.89)	462 (24.37)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	440 (6.71)	415 (2.94)	. (.)
TUN	150875	0.07	150770	374 (6.29)	357 (2.50)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 4>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	516 (2.62)	528 (2.33)	468 (17.60)
AUT	85931	1.08	85003	454 (13.86)	494 (3.27)	. (.)
BEL	111831	1.96	109643	509 (3.42)	513 (2.87)	477 (14.19)
CAN	330436	9.70	298375	525 (2.44)	522 (2.02)	. (.)
CZE	121183	4.19	116105	526 (6.46)	529 (3.12)	. (.)
DNK	51741	0.65	51406	471 (6.17)	479 (3.16)	438 (8.42)
FIN	57884	0.07	57845	556 (5.74)	548 (1.96)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	526 (5.63)	509 (3.87)	. (.)
GRC	105131	0.13	104991	495 (5.84)	478 (3.82)	. (.)
HUN	107044	0.06	106984	495 (3.60)	505 (3.00)	. (.)
ISL	3928	0.63	3903	490 (3.12)	498 (2.23)	. (.)
IRL	54850	1.03	54285	515 (3.63)	502 (2.95)	. (.)
ITA	481521	0.13	480897	480 (4.67)	488 (3.25)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	485 (3.90)	483 (1.84)	461 (8.09)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.59	178308	523 (3.85)	531 (3.77)	. (.)
NZL	48638	0.69	48300	531 (3.58)	518 (2.73)	511 (10.52)
NOR	52816	0.77	52407	475 (3.85)	489 (3.22)	. (.)
POL	534900	.	534900	515 (5.11)	496 (3.05)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.69	76534	477 (4.86)	498 (3.99)	. (.)
ESP	344372	0.07	344114	490 (5.65)	487 (2.56)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	496 (7.70)	514 (3.76)	. (.)
TUR	481279	99.80	984	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	515 (4.24)	520 (3.16)	. (.)
USA	3147089	0.76	3123066	488 (4.07)	493 (3.36)	. (.)
TOT	.	37.04	.	500 (2.04)	501 (1.39)	469 (6.12)
AVG	.	24.80	.	504 (0.93)	505 (0.62)	465 (4.78)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.11	1969261	384 (6.72)	396 (3.24)	. (.)
LVA	33643	0.29	33545	485 (4.36)	492 (4.33)	474 (19.86)
LIE	338	.	338	. (.)	525 (4.65)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	482 (4.01)	499 (4.97)	478 (24.11)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	452 (5.94)	427 (2.64)	. (.)
TUN	150875	0.07	150770	395 (6.55)	384 (2.50)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 14

Q14 Does your father have any of the following qualifications?
<ISCED 4>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.44	234552	523 (2.28)	532 (2.17)	481 (15.99)
AUT	85931	1.08	85003	478 (14.81)	508 (3.03)	. (.)
BEL	111831	1.96	109643	525 (3.21)	529 (2.67)	497 (12.02)
CAN	330436	9.70	298375	532 (2.09)	534 (1.75)	. (.)
CZE	121183	4.19	116105	520 (6.36)	523 (3.06)	. (.)
DNK	51741	0.65	51406	517 (5.42)	519 (2.67)	489 (6.27)
FIN	57884	0.07	57845	554 (5.79)	547 (1.86)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	531 (4.73)	517 (3.50)	. (.)
GRC	105131	0.13	104991	457 (4.94)	447 (4.20)	. (.)
HUN	107044	0.06	106984	493 (3.93)	503 (3.05)	. (.)
ISL	3928	0.63	3903	504 (2.75)	506 (1.70)	. (.)
IRL	54850	1.03	54285	511 (3.28)	494 (2.44)	. (.)
ITA	481521	0.13	480897	465 (4.60)	471 (3.12)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	490 (3.62)	495 (1.68)	478 (7.49)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.59	178308	523 (3.57)	523 (3.58)	. (.)
NZL	48638	0.69	48300	539 (3.21)	531 (2.55)	526 (10.40)
NOR	52816	0.77	52407	482 (4.06)	494 (2.90)	. (.)
POL	534900	.	534900	498 (4.60)	485 (2.92)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.69	76534	470 (4.35)	496 (3.56)	. (.)
ESP	344372	0.07	344114	480 (5.30)	483 (2.71)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	495 (7.98)	523 (3.10)	. (.)
TUR	481279	99.80	984	. (.)	. (.)	. (.)
GBR	698579	11.95	615116	497 (3.75)	511 (2.99)	. (.)
USA	3147089	0.76	3123066	477 (3.48)	478 (3.45)	. (.)
TOT	.	37.04	.	492 (1.84)	494 (1.46)	494 (5.55)
AVG	.	24.80	.	504 (0.87)	506 (0.63)	492 (4.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.11	1969261	349 (6.82)	362 (3.33)	. (.)
LVA	33643	0.29	33545	474 (4.29)	487 (4.39)	473 (17.30)
LIE	338	.	338	. (.)	529 (3.99)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	469 (4.53)	492 (5.20)	476 (20.98)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	448 (6.28)	422 (2.72)	. (.)
TUN	150875	0.07	150770	361 (6.03)	343 (2.11)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

You

<Country of test>

<Country A>

<Country B>

<Country C>

Other country

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test %	Country of Test (SE)	Other Country %	Other Country (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	85.96	(0.74)	12.44	(0.70)	1.60	(0.12)
AUT	85931	0.17	85787	89.60	(0.73)	9.89	(0.70)	0.51	(.)
BEL	111831	1.79	109825	91.80	(0.69)	7.63	(0.69)	0.56	(0.09)
CAN	330436	9.70	298375	87.01	(0.83)	11.69	(0.82)	1.30	(0.10)
CZE	121183	4.05	116275	98.28	(0.18)	1.47	(0.16)	0.25	(.)
DNK	51741	0.65	51406	94.10	(0.46)	5.40	(0.44)	0.50	(.)
FIN	57884	0.07	57845	95.95	(0.31)	3.18	(0.26)	0.88	(0.14)
FRA	734579	0.87	728167	94.08	(0.56)	4.84	(0.52)	1.07	(0.17)
DEU	884358	5.57	835070	88.26	(0.75)	9.12	(0.75)	2.62	(0.31)
GRC	105131	0.13	104991	90.49	(0.77)	9.23	(0.75)	0.28	(.)
HUN	107044	0.06	106984	94.68	(0.79)	2.57	(0.25)	2.75	(0.69)
ISL	3928	0.63	3903	93.72	(0.42)	5.91	(0.41)	0.37	(.)
IRL	54850	1.03	54285	92.33	(0.52)	7.16	(0.53)	0.51	(.)
ITA	481521	0.38	479704	96.34	(0.35)	2.99	(0.33)	0.67	(0.10)
JPN	1240054	0.10	1238855	98.72	(0.48)	0.38	(.)	0.90	(0.47)
KOR	533504	0.02	533396	99.38	(0.15)	0.20	(.)	0.42	(.)
LUX	4080	0.08	4077	78.14	(0.57)	19.84	(0.57)	2.02	(0.19)
MEX	1071650	0.37	1067674	93.32	(0.65)	2.25	(0.28)	4.43	(0.52)
NLD	184943	3.09	179228	93.45	(0.57)	5.36	(0.49)	1.19	(0.20)
NZL	48638	0.69	48300	81.93	(0.75)	16.89	(0.71)	1.18	(0.19)
NOR	52816	0.77	52407	93.79	(0.51)	5.48	(0.47)	0.74	(.)
POL	534900	.	534900	99.26	(0.17)	0.04	(.)	0.69	(.)
PRT	96857	0.23	96637	92.51	(1.05)	7.07	(1.05)	0.43	(.)
SVK	77067	0.05	77029	98.50	(0.18)	1.21	(0.14)	0.28	(.)
ESP	344372	0.07	344114	95.27	(0.41)	4.06	(0.39)	0.67	(0.13)
SWE	107104	0.25	106836	90.92	(0.73)	8.01	(0.67)	1.07	(0.17)
CHE	86491	0.14	86370	85.88	(0.59)	13.13	(0.58)	1.00	(0.12)
TUR	481279	0.03	481137	98.47	(0.27)	1.01	(0.18)	0.52	(.)
GBR	698579	3.63	673201	93.53	(0.53)	5.29	(0.46)	1.18	(0.18)
USA	3147089	0.76	3123066	90.86	(0.44)	7.36	(0.40)	1.77	(0.21)
TOT	.	1.33	.	93.47	(0.15)	4.98	(0.13)	1.55	(0.09)
AVG	.	1.19	.	92.57	(0.11)	6.35	(0.10)	1.08	(0.04)
HKG	72484	0.21	72334	74.97	(1.39)	23.87	(1.37)	1.15	(0.16)
IDN	1971476	0.00	1971400	98.34	(0.28)	0.20	(.)	1.45	(0.25)
LVA	33643	0.22	33570	96.85	(0.36)	2.76	(0.35)	0.39	(.)
LIE	338	.	338	87.29	(1.61)	12.41	(1.59)	0.31	(.)
MAC	6546	.	6546	77.93	(1.39)	21.06	(1.37)	1.01	(.)
RUS	2153373	0.02	2152991	89.12	(0.56)	9.98	(0.54)	0.90	(0.17)
YUG	68596	0.51	68244	90.88	(0.63)	7.47	(0.59)	1.66	(0.23)
THA	637076	.	637076	99.90	(0.04)	0.10	(.)	.	(.)
TUN	150875	0.17	150624	97.60	(0.26)	1.36	(0.15)	1.04	(0.18)
URY	33775	0.15	33724	95.59	(0.33)	3.69	(0.31)	0.71	(0.10)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

You

<Country of test>

<Country A>

<Country B>

<Country C>

Other country

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.07)	520 (5.00)	464 (9.85)
AUT	85931	0.17	85787	498 (3.79)	431 (7.98)	. (.)
BEL	111831	1.79	109825	518 (2.64)	425 (10.65)	391 (19.64)
CAN	330436	9.70	298375	534 (1.58)	516 (4.36)	479 (10.45)
CZE	121183	4.05	116275	496 (2.74)	479 (12.17)	. (.)
DNK	51741	0.65	51406	494 (2.80)	474 (6.65)	. (.)
FIN	57884	0.07	57845	546 (1.66)	483 (7.75)	497 (21.35)
FRA	734579	0.87	728167	500 (2.57)	447 (13.75)	471 (19.68)
DEU	884358	5.57	835070	510 (3.50)	432 (8.42)	440 (14.24)
GRC	105131	0.13	104991	476 (4.15)	439 (7.35)	. (.)
HUN	107044	0.06	106984	482 (2.65)	482 (9.09)	475 (11.38)
ISL	3928	0.63	3903	493 (1.60)	495 (8.73)	. (.)
IRL	54850	1.03	54285	516 (2.75)	511 (5.88)	. (.)
ITA	481521	0.38	479704	477 (3.00)	438 (10.58)	397 (19.54)
JPN	1240054	0.10	1238855	499 (3.88)	. (.)	454 (97.38)
KOR	533504	0.02	533396	534 (3.05)	. (.)	. (.)
LUX	4080	0.08	4077	491 (1.74)	438 (4.04)	427 (12.54)
MEX	1071650	0.37	1067674	406 (4.09)	315 (10.34)	312 (9.39)
NLD	184943	3.09	179228	520 (2.79)	481 (6.98)	448 (12.69)
NZL	48638	0.69	48300	525 (2.69)	514 (4.73)	459 (15.42)
NOR	52816	0.77	52407	503 (2.73)	460 (10.03)	. (.)
POL	534900	.	534900	497 (2.82)	. (.)	. (.)
PRT	96857	0.23	96637	481 (3.50)	442 (13.69)	. (.)
SVK	77067	0.05	77029	469 (3.13)	474 (13.61)	. (.)
ESP	344372	0.07	344114	483 (2.54)	450 (11.54)	356 (21.68)
SWE	107104	0.25	106836	521 (2.31)	452 (9.65)	442 (15.06)
CHE	86491	0.14	86370	510 (3.15)	434 (6.26)	415 (18.03)
TUR	481279	0.03	481137	441 (5.73)	475 (17.12)	. (.)
GBR	698579	3.63	673201	508 (2.61)	498 (9.63)	437 (14.50)
USA	3147089	0.76	3123066	500 (3.23)	461 (7.44)	404 (14.35)
TOT	.	1.33	.	492 (1.19)	458 (3.36)	396 (9.39)
AVG	.	1.19	.	498 (0.65)	465 (1.72)	417 (5.03)
HKG	72484	0.21	72334	516 (3.27)	493 (4.94)	430 (22.96)
IDN	1971476	0.00	1971400	383 (3.35)	. (.)	314 (13.18)
LVA	33643	0.22	33570	490 (3.72)	513 (9.80)	. (.)
LIE	338	.	338	533 (3.89)	469 (19.09)	. (.)
MAC	6546	.	6546	497 (2.73)	500 (6.19)	. (.)
RUS	2153373	0.02	2152991	445 (4.01)	424 (6.24)	401 (20.09)
YUG	68596	0.51	68244	412 (3.62)	426 (6.00)	358 (11.73)
THA	637076	.	637076	420 (2.80)	. (.)	. (.)
TUN	150875	0.17	150624	376 (2.77)	392 (15.02)	248 (16.40)
URY	33775	0.15	33724	435 (3.39)	423 (11.71)	381 (22.23)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

You

<Country of test>

<Country A>

<Country B>

<Country C>

Other country

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	525 (2.05)	528 (4.89)	451 (10.12)
AUT	85931	0.17	85787	512 (3.24)	456 (6.28)	. (.)
BEL	111831	1.79	109825	540 (2.39)	451 (9.36)	437 (17.58)
CAN	330436	9.70	298375	537 (1.60)	531 (4.38)	496 (11.08)
CZE	121183	4.05	116275	523 (3.21)	512 (9.13)	. (.)
DNK	51741	0.65	51406	517 (2.70)	474 (7.09)	. (.)
FIN	57884	0.07	57845	546 (1.88)	497 (6.99)	509 (18.81)
FRA	734579	0.87	728167	515 (2.36)	468 (13.07)	466 (15.04)
DEU	884358	5.57	835070	519 (3.51)	454 (7.29)	459 (12.08)
GRC	105131	0.13	104991	449 (3.97)	411 (5.66)	. (.)
HUN	107044	0.06	106984	491 (2.95)	485 (9.90)	474 (13.59)
ISL	3928	0.63	3903	516 (1.49)	519 (7.66)	. (.)
IRL	54850	1.03	54285	503 (2.52)	506 (5.74)	. (.)
ITA	481521	0.38	479704	467 (3.07)	445 (9.41)	405 (16.29)
JPN	1240054	0.10	1238855	534 (4.02)	. (.)	526 (72.52)
KOR	533504	0.02	533396	542 (3.18)	. (.)	. (.)
LUX	4080	0.08	4077	502 (1.16)	464 (3.38)	449 (11.64)
MEX	1071650	0.37	1067674	392 (3.63)	304 (11.66)	293 (7.85)
NLD	184943	3.09	179228	547 (2.88)	492 (7.56)	469 (12.21)
NZL	48638	0.69	48300	525 (2.47)	527 (4.22)	458 (14.18)
NOR	52816	0.77	52407	498 (2.37)	456 (8.30)	. (.)
POL	534900	.	534900	491 (2.49)	. (.)	. (.)
PRT	96857	0.23	96637	469 (3.06)	430 (15.31)	. (.)
SVK	77067	0.05	77029	498 (3.36)	493 (15.19)	. (.)
ESP	344372	0.07	344114	487 (2.39)	448 (11.30)	406 (19.14)
SWE	107104	0.25	106836	516 (2.49)	441 (8.15)	445 (12.65)
CHE	86491	0.14	86370	537 (3.25)	462 (6.01)	439 (19.90)
TUR	481279	0.03	481137	424 (6.68)	416 (23.97)	. (.)
GBR	698579	3.63	673201	509 (2.57)	502 (9.28)	440 (15.16)
USA	3147089	0.76	3123066	487 (2.92)	459 (6.78)	393 (11.32)
TOT	.	1.33	.	493 (1.08)	464 (3.26)	395 (9.86)
AVG	.	1.19	.	503 (0.65)	475 (1.75)	423 (5.18)
HKG	72484	0.21	72334	562 (4.10)	517 (5.39)	490 (23.66)
IDN	1971476	0.00	1971400	362 (3.91)	. (.)	267 (9.96)
LVA	33643	0.22	33570	483 (3.70)	500 (10.20)	. (.)
LIE	338	.	338	544 (4.46)	480 (17.62)	. (.)
MAC	6546	.	6546	530 (3.11)	519 (8.14)	. (.)
RUS	2153373	0.02	2152991	470 (4.37)	457 (5.31)	414 (17.16)
YUG	68596	0.51	68244	437 (3.82)	449 (6.08)	377 (10.15)
THA	637076	.	637076	417 (3.00)	. (.)	. (.)
TUN	150875	0.17	150624	360 (2.50)	357 (13.97)	272 (14.29)
URY	33775	0.15	33724	423 (3.27)	412 (10.46)	390 (20.33)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

You

<Country of test>

<Country A>

<Country B>

<Country C>

Other country

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (1.99)	519 (5.48)	469 (11.55)
AUT	85931	0.17	85787	499 (3.39)	427 (6.92)	. (.)
BEL	111831	1.79	109825	519 (2.51)	432 (9.05)	413 (17.13)
CAN	330436	9.70	298375	526 (1.85)	502 (4.89)	473 (12.85)
CZE	121183	4.05	116275	529 (3.10)	512 (12.29)	. (.)
DNK	51741	0.65	51406	478 (2.94)	444 (7.86)	. (.)
FIN	57884	0.07	57845	551 (1.95)	487 (7.75)	525 (21.55)
FRA	734579	0.87	728167	515 (2.90)	456 (14.89)	510 (20.29)
DEU	884358	5.57	835070	520 (3.76)	444 (8.49)	442 (13.83)
GRC	105131	0.13	104991	485 (3.84)	445 (6.26)	. (.)
HUN	107044	0.06	106984	504 (2.91)	493 (10.84)	485 (10.49)
ISL	3928	0.63	3903	496 (1.53)	492 (7.74)	. (.)
IRL	54850	1.03	54285	505 (2.81)	509 (6.64)	. (.)
ITA	481521	0.38	479704	488 (3.16)	446 (12.42)	421 (17.63)
JPN	1240054	0.10	1238855	548 (4.16)	. (.)	520 (73.24)
KOR	533504	0.02	533396	539 (3.48)	. (.)	. (.)
LUX	4080	0.08	4077	493 (1.53)	446 (3.99)	440 (12.37)
MEX	1071650	0.37	1067674	409 (3.46)	331 (10.16)	349 (8.75)
NLD	184943	3.09	179228	532 (3.17)	480 (9.04)	458 (13.44)
NZL	48638	0.69	48300	523 (2.60)	519 (4.72)	432 (14.93)
NOR	52816	0.77	52407	489 (2.77)	426 (10.94)	. (.)
POL	534900	.	534900	498 (2.85)	. (.)	. (.)
PRT	96857	0.23	96637	471 (3.26)	436 (12.66)	. (.)
SVK	77067	0.05	77029	495 (3.71)	504 (14.90)	. (.)
ESP	344372	0.07	344114	490 (2.58)	444 (11.89)	376 (24.75)
SWE	107104	0.25	106836	514 (2.74)	430 (9.46)	460 (14.98)
CHE	86491	0.14	86370	525 (3.51)	442 (6.84)	423 (20.69)
TUR	481279	0.03	481137	434 (5.88)	470 (21.75)	. (.)
GBR	698579	3.63	673201	520 (2.71)	510 (10.32)	450 (17.95)
USA	3147089	0.76	3123066	495 (3.03)	470 (7.07)	413 (12.60)
TOT	.	1.33	.	500 (1.08)	465 (3.26)	416 (8.93)
AVG	.	1.19	.	504 (0.61)	466 (1.74)	432 (4.85)
HKG	72484	0.21	72334	549 (3.83)	512 (5.63)	473 (22.65)
IDN	1971476	0.00	1971400	396 (3.22)	. (.)	349 (8.79)
LVA	33643	0.22	33570	489 (3.94)	513 (9.49)	. (.)
LIE	338	.	338	534 (5.30)	468 (19.36)	. (.)
MAC	6546	.	6546	524 (3.26)	529 (7.50)	. (.)
RUS	2153373	0.02	2152991	491 (4.32)	482 (5.64)	440 (18.31)
YUG	68596	0.51	68244	437 (3.55)	444 (5.64)	403 (12.09)
THA	637076	.	637076	429 (2.71)	. (.)	. (.)
TUN	150875	0.17	150624	385 (2.53)	400 (14.08)	346 (14.54)
URY	33775	0.15	33724	439 (2.92)	432 (10.89)	379 (18.68)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

You

<Country of test>

<Country A>

<Country B>

<Country C>

Other country

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.92)	526 (4.75)	455 (9.30)
AUT	85931	0.17	85787	512 (3.17)	457 (5.95)	. (.)
BEL	111831	1.79	109825	534 (2.36)	459 (7.41)	429 (17.32)
CAN	330436	9.70	298375	534 (1.55)	533 (4.38)	494 (11.26)
CZE	121183	4.05	116275	523 (3.05)	509 (9.59)	. (.)
DNK	51741	0.65	51406	519 (2.50)	483 (6.55)	. (.)
FIN	57884	0.07	57845	549 (1.87)	504 (7.42)	528 (17.22)
FRA	734579	0.87	728167	524 (2.49)	465 (13.19)	466 (16.90)
DEU	884358	5.57	835070	527 (3.46)	461 (7.25)	453 (13.19)
GRC	105131	0.13	104991	452 (4.08)	420 (5.95)	. (.)
HUN	107044	0.06	106984	501 (3.06)	502 (9.12)	486 (14.17)
ISL	3928	0.63	3903	506 (1.39)	511 (7.09)	. (.)
IRL	54850	1.03	54285	498 (2.37)	507 (6.07)	. (.)
ITA	481521	0.38	479704	471 (3.04)	443 (10.43)	382 (20.30)
JPN	1240054	0.10	1238855	548 (4.04)	. (.)	501 (80.01)
KOR	533504	0.02	533396	551 (3.02)	. (.)	. (.)
LUX	4080	0.08	4077	501 (1.62)	467 (3.44)	467 (11.20)
MEX	1071650	0.37	1067674	392 (4.34)	298 (10.82)	272 (9.86)
NLD	184943	3.09	179228	526 (3.02)	483 (7.76)	449 (14.09)
NZL	48638	0.69	48300	533 (2.42)	539 (3.98)	477 (14.63)
NOR	52816	0.77	52407	494 (2.66)	442 (9.28)	. (.)
POL	534900	.	534900	487 (2.72)	. (.)	. (.)
PRT	96857	0.23	96637	474 (3.44)	429 (17.04)	. (.)
SVK	77067	0.05	77029	492 (3.37)	489 (17.26)	. (.)
ESP	344372	0.07	344114	484 (2.71)	456 (11.34)	401 (16.73)
SWE	107104	0.25	106836	515 (2.37)	451 (8.49)	442 (13.63)
CHE	86491	0.14	86370	533 (2.91)	455 (5.96)	415 (17.06)
TUR	481279	0.03	481137	408 (5.93)	398 (21.90)	. (.)
GBR	698579	3.63	673201	511 (2.50)	504 (8.69)	438 (16.92)
USA	3147089	0.76	3123066	481 (3.07)	454 (7.39)	407 (13.30)
TOT	.	1.33	.	493 (1.15)	463 (3.42)	390 (10.58)
AVG	.	1.19	.	503 (0.66)	477 (1.62)	419 (5.58)
HKG	72484	0.21	72334	562 (3.60)	506 (5.05)	487 (23.05)
IDN	1971476	0.00	1971400	363 (3.28)	. (.)	284 (12.76)
LVA	33643	0.22	33570	483 (3.92)	483 (11.36)	. (.)
LIE	338	.	338	537 (4.29)	480 (17.17)	. (.)
MAC	6546	.	6546	533 (2.57)	532 (7.96)	. (.)
RUS	2153373	0.02	2152991	481 (4.64)	462 (6.96)	418 (18.25)
YUG	68596	0.51	68244	421 (3.36)	424 (5.42)	359 (10.64)
THA	637076	.	637076	425 (2.72)	. (.)	. (.)
TUN	150875	0.17	150624	346 (2.10)	337 (12.12)	259 (14.69)
URY	33775	0.15	33724	411 (3.68)	404 (9.80)	375 (21.65)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Mother

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test % (SE)	Other Country % (SE)	Missing % (SE)
AUS	235591	0.32	234828	67.46 (1.05)	31.39 (1.06)	1.15 (0.13)
AUT	85931	0.17	85787	83.20 (1.03)	15.95 (0.97)	0.85 (0.15)
BEL	111831	1.79	109825	82.20 (0.95)	17.07 (0.96)	0.73 (0.10)
CAN	330436	9.70	298375	74.12 (1.09)	24.21 (1.09)	1.67 (0.12)
CZE	121183	4.05	116275	95.69 (0.29)	3.86 (0.26)	0.45 (.)
DNK	51741	0.65	51406	89.33 (0.88)	9.75 (0.82)	0.92 (0.15)
FIN	57884	0.07	57845	95.90 (0.32)	2.83 (0.26)	1.27 (0.17)
FRA	734579	0.87	728167	80.64 (1.37)	18.68 (1.35)	0.68 (.)
DEU	884358	5.57	835070	79.11 (1.12)	17.57 (1.06)	3.32 (0.33)
GRC	105131	0.15	104974	87.49 (0.75)	11.52 (0.74)	0.99 (0.14)
HUN	107044	0.06	106984	93.55 (0.79)	3.26 (0.28)	3.19 (0.70)
ISL	3928	0.63	3903	94.96 (0.40)	3.87 (0.34)	1.18 (0.20)
IRL	54850	1.03	54285	89.20 (0.60)	10.12 (0.58)	0.69 (.)
ITA	481521	0.38	479704	92.39 (0.54)	5.16 (0.40)	2.45 (0.22)
JPN	1240054	0.10	1238855	98.42 (0.49)	0.41 (.)	1.17 (0.48)
KOR	533504	0.02	533396	99.35 (0.08)	0.06 (.)	0.59 (0.07)
LUX	4080	0.08	4077	58.56 (0.68)	39.98 (0.67)	1.46 (0.18)
MEX	1071650	0.37	1067674	93.82 (0.65)	2.76 (0.28)	3.42 (0.54)
NLD	184943	3.09	179228	84.42 (1.61)	14.89 (1.55)	0.69 (.)
NZL	48638	0.69	48300	73.11 (1.20)	26.17 (1.20)	0.73 (.)
NOR	52816	0.77	52407	90.16 (0.86)	9.01 (0.85)	0.83 (0.15)
POL	534900	.	534900	98.86 (0.18)	0.09 (.)	1.05 (0.18)
PRT	96857	0.23	96637	90.38 (1.44)	9.23 (1.45)	0.39 (.)
SVK	77067	0.05	77029	95.41 (0.30)	3.87 (0.29)	0.72 (0.13)
ESP	344372	0.07	344114	93.16 (0.50)	5.73 (0.45)	1.11 (0.18)
SWE	107104	0.25	106836	82.78 (0.92)	16.40 (0.88)	0.82 (0.15)
CHE	86491	0.14	86370	70.93 (0.84)	27.92 (0.89)	1.15 (0.16)
TUR	481279	0.03	481137	97.67 (0.45)	1.66 (0.31)	0.67 (.)
GBR	698579	3.63	673201	86.25 (0.96)	12.48 (0.93)	1.26 (0.15)
USA	3147089	0.76	3123066	80.83 (0.99)	17.66 (0.98)	1.51 (0.21)
TOT	.	1.33	.	87.38 (0.31)	11.05 (0.30)	1.57 (0.09)
AVG	.	1.19	.	86.70 (0.19)	12.07 (0.18)	1.23 (0.05)
HKG	72484	0.21	72334	47.50 (1.45)	51.46 (1.45)	1.03 (0.16)
IDN	1971476	0.00	1971400	97.20 (0.39)	0.34 (.)	2.46 (0.38)
LVA	33643	0.22	33570	80.25 (1.44)	18.63 (1.45)	1.11 (0.29)
LIE	338	.	338	64.90 (2.66)	34.17 (2.56)	0.92 (.)
MAC	6546	.	6546	16.01 (1.22)	83.16 (1.31)	0.83 (.)
RUS	2153373	0.02	2152991	80.62 (0.86)	17.85 (0.81)	1.53 (0.25)
YUG	68596	0.51	68244	81.65 (0.85)	14.33 (0.84)	4.02 (0.34)
THA	637076	.	637076	93.95 (0.48)	0.33 (.)	5.72 (0.46)
TUN	150875	0.17	150624	97.37 (0.28)	0.95 (0.16)	1.68 (0.23)
URY	33775	0.15	33724	96.83 (0.30)	2.50 (0.28)	0.67 (0.10)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Mother

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.25)	526 (2.96)	448 (11.88)
AUT	85931	0.17	85787	501 (3.85)	441 (7.52)	447 (26.85)
BEL	111831	1.79	109825	525 (2.69)	446 (6.79)	393 (20.25)
CAN	330436	9.70	298375	533 (1.64)	530 (3.45)	475 (10.21)
CZE	121183	4.05	116275	497 (2.72)	481 (9.63)	. (.)
DNK	51741	0.65	51406	496 (2.75)	465 (7.87)	426 (18.81)
FIN	57884	0.07	57845	546 (1.67)	476 (7.84)	489 (15.62)
FRA	734579	0.87	728167	505 (2.66)	464 (6.43)	. (.)
DEU	884358	5.57	835070	517 (3.53)	436 (6.35)	452 (11.43)
GRC	105131	0.15	104974	477 (4.10)	450 (6.50)	342 (22.94)
HUN	107044	0.06	106984	482 (2.63)	490 (8.45)	468 (9.97)
ISL	3928	0.63	3903	494 (1.62)	484 (10.35)	404 (19.79)
IRL	54850	1.03	54285	516 (2.72)	511 (4.96)	. (.)
ITA	481521	0.38	479704	478 (3.03)	465 (7.99)	414 (9.31)
JPN	1240054	0.10	1238855	499 (3.90)	. (.)	442 (77.38)
KOR	533504	0.02	533396	535 (3.08)	. (.)	425 (22.60)
LUX	4080	0.08	4077	500 (1.78)	451 (2.65)	425 (17.14)
MEX	1071650	0.37	1067674	406 (3.99)	325 (11.10)	290 (10.63)
NLD	184943	3.09	179228	524 (2.95)	482 (6.12)	. (.)
NZL	48638	0.69	48300	526 (2.94)	513 (4.24)	. (.)
NOR	52816	0.77	52407	505 (2.65)	459 (7.66)	442 (27.78)
POL	534900	.	534900	497 (2.85)	. (.)	427 (19.93)
PRT	96857	0.23	96637	480 (3.44)	455 (14.70)	. (.)
SVK	77067	0.05	77029	470 (3.05)	462 (8.58)	371 (18.03)
ESP	344372	0.07	344114	483 (2.49)	452 (9.45)	388 (20.03)
SWE	107104	0.25	106836	522 (2.13)	483 (7.47)	436 (18.43)
CHE	86491	0.14	86370	516 (3.05)	458 (4.91)	437 (18.17)
TUR	481279	0.03	481137	442 (5.77)	438 (21.41)	. (.)
GBR	698579	3.63	673201	507 (2.58)	508 (6.38)	435 (14.81)
USA	3147089	0.76	3123066	502 (3.16)	475 (6.68)	392 (16.07)
TOT	.	1.33	.	492 (1.20)	472 (3.07)	397 (9.47)
AVG	.	1.19	.	499 (0.65)	475 (1.28)	419 (4.29)
HKG	72484	0.21	72334	513 (3.72)	508 (3.97)	399 (23.47)
IDN	1971476	0.00	1971400	384 (3.34)	. (.)	312 (11.39)
LVA	33643	0.22	33570	491 (3.87)	488 (5.24)	479 (17.97)
LIE	338	.	338	541 (4.76)	497 (8.72)	. (.)
MAC	6546	.	6546	499 (5.33)	497 (2.33)	. (.)
RUS	2153373	0.02	2152991	446 (4.05)	431 (5.06)	395 (13.18)
YUG	68596	0.51	68244	412 (3.65)	423 (5.83)	376 (7.33)
THA	637076	.	637076	421 (2.82)	. (.)	403 (6.20)
TUN	150875	0.17	150624	376 (2.78)	370 (18.61)	279 (15.07)
URY	33775	0.15	33724	435 (3.30)	419 (17.09)	391 (22.61)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Mother

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	525 (2.21)	527 (3.29)	447 (13.42)
AUT	85931	0.17	85787	514 (3.28)	465 (5.25)	429 (21.46)
BEL	111831	1.79	109825	548 (2.46)	465 (6.09)	423 (16.89)
CAN	330436	9.70	298375	536 (1.65)	537 (3.39)	492 (10.34)
CZE	121183	4.05	116275	523 (3.20)	505 (8.74)	. (.)
DNK	51741	0.65	51406	520 (2.57)	474 (7.10)	456 (20.47)
FIN	57884	0.07	57845	547 (1.88)	488 (7.66)	498 (13.68)
FRA	734579	0.87	728167	520 (2.44)	479 (5.86)	. (.)
DEU	884358	5.57	835070	526 (3.48)	452 (5.84)	461 (10.19)
GRC	105131	0.15	104974	449 (3.87)	422 (5.64)	362 (17.39)
HUN	107044	0.06	106984	491 (2.94)	496 (8.80)	464 (12.39)
ISL	3928	0.63	3903	517 (1.44)	512 (9.19)	417 (14.15)
IRL	54850	1.03	54285	503 (2.55)	501 (4.94)	. (.)
ITA	481521	0.38	479704	467 (3.08)	465 (7.68)	397 (9.47)
JPN	1240054	0.10	1238855	535 (4.05)	. (.)	504 (63.05)
KOR	533504	0.02	533396	543 (3.24)	. (.)	428 (20.41)
LUX	4080	0.08	4077	507 (1.42)	475 (2.06)	463 (12.91)
MEX	1071650	0.37	1067674	391 (3.54)	311 (11.68)	279 (9.18)
NLD	184943	3.09	179228	551 (3.01)	497 (7.24)	. (.)
NZL	48638	0.69	48300	526 (2.66)	520 (4.15)	. (.)
NOR	52816	0.77	52407	499 (2.26)	461 (6.60)	421 (22.05)
POL	534900	.	534900	491 (2.52)	. (.)	449 (15.81)
PRT	96857	0.23	96637	470 (2.98)	436 (14.90)	. (.)
SVK	77067	0.05	77029	499 (3.27)	487 (9.22)	401 (18.02)
ESP	344372	0.07	344114	488 (2.33)	457 (8.97)	430 (18.01)
SWE	107104	0.25	106836	517 (2.21)	471 (7.88)	453 (14.65)
CHE	86491	0.14	86370	543 (3.34)	486 (4.36)	469 (17.35)
TUR	481279	0.03	481137	424 (6.70)	403 (22.70)	. (.)
GBR	698579	3.63	673201	509 (2.55)	509 (5.95)	441 (14.39)
USA	3147089	0.76	3123066	489 (2.92)	466 (5.99)	386 (12.77)
TOT	.	1.33	.	493 (1.10)	474 (2.84)	401 (9.69)
AVG	.	1.19	.	504 (0.65)	484 (1.42)	427 (4.42)
HKG	72484	0.21	72334	557 (4.72)	546 (4.74)	471 (28.49)
IDN	1971476	0.00	1971400	363 (3.97)	. (.)	275 (8.40)
LVA	33643	0.22	33570	484 (3.93)	483 (4.64)	457 (16.46)
LIE	338	.	338	550 (5.35)	508 (8.72)	. (.)
MAC	6546	.	6546	531 (6.80)	527 (3.29)	. (.)
RUS	2153373	0.02	2152991	471 (4.44)	464 (4.79)	404 (12.51)
YUG	68596	0.51	68244	438 (3.82)	447 (5.79)	388 (8.03)
THA	637076	.	637076	419 (3.05)	. (.)	389 (5.02)
TUN	150875	0.17	150624	360 (2.50)	340 (15.34)	287 (12.34)
URY	33775	0.15	33724	423 (3.22)	426 (14.08)	357 (16.54)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Mother

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.20)	524 (3.24)	459 (11.94)
AUT	85931	0.17	85787	502 (3.45)	439 (5.58)	428 (24.91)
BEL	111831	1.79	109825	526 (2.56)	447 (6.06)	389 (17.62)
CAN	330436	9.70	298375	526 (1.97)	515 (3.74)	464 (10.92)
CZE	121183	4.05	116275	529 (3.06)	511 (9.68)	. (.)
DNK	51741	0.65	51406	481 (2.79)	430 (7.95)	409 (19.17)
FIN	57884	0.07	57845	551 (1.92)	480 (9.21)	516 (15.75)
FRA	734579	0.87	728167	521 (3.11)	475 (7.13)	. (.)
DEU	884358	5.57	835070	529 (3.68)	441 (6.75)	450 (12.08)
GRC	105131	0.15	104974	485 (3.83)	457 (6.64)	400 (19.49)
HUN	107044	0.06	106984	504 (2.91)	505 (8.97)	476 (10.21)
ISL	3928	0.63	3903	496 (1.51)	487 (9.75)	428 (17.35)
IRL	54850	1.03	54285	506 (2.78)	502 (5.34)	. (.)
ITA	481521	0.38	479704	489 (3.18)	471 (8.68)	430 (8.93)
JPN	1240054	0.10	1238855	549 (4.19)	. (.)	500 (63.18)
KOR	533504	0.02	533396	539 (3.53)	. (.)	425 (21.95)
LUX	4080	0.08	4077	500 (1.78)	460 (2.58)	435 (16.58)
MEX	1071650	0.37	1067674	409 (3.41)	339 (11.66)	336 (10.86)
NLD	184943	3.09	179228	538 (3.22)	479 (7.75)	. (.)
NZL	48638	0.69	48300	526 (2.76)	512 (4.50)	. (.)
NOR	52816	0.77	52407	490 (2.66)	435 (7.84)	421 (27.12)
POL	534900	.	534900	498 (2.87)	. (.)	447 (18.94)
PRT	96857	0.23	96637	471 (3.20)	445 (13.97)	. (.)
SVK	77067	0.05	77029	496 (3.57)	481 (10.22)	397 (23.23)
ESP	344372	0.07	344114	490 (2.57)	455 (9.32)	415 (22.96)
SWE	107104	0.25	106836	516 (2.55)	460 (8.25)	474 (18.62)
CHE	86491	0.14	86370	532 (3.54)	467 (5.33)	455 (19.36)
TUR	481279	0.03	481137	434 (5.95)	450 (18.11)	. (.)
GBR	698579	3.63	673201	520 (2.70)	517 (6.76)	451 (15.80)
USA	3147089	0.76	3123066	498 (3.03)	471 (6.85)	405 (13.49)
TOT	.	1.33	.	501 (1.09)	473 (3.16)	418 (8.96)
AVG	.	1.19	.	505 (0.61)	475 (1.40)	434 (4.33)
HKG	72484	0.21	72334	545 (4.38)	536 (4.64)	450 (24.93)
IDN	1971476	0.00	1971400	396 (3.27)	. (.)	348 (7.40)
LVA	33643	0.22	33570	489 (4.22)	490 (5.31)	462 (19.93)
LIE	338	.	338	540 (6.32)	497 (9.49)	. (.)
MAC	6546	.	6546	529 (7.79)	524 (3.49)	. (.)
RUS	2153373	0.02	2152991	492 (4.32)	483 (4.92)	432 (13.28)
YUG	68596	0.51	68244	437 (3.56)	442 (5.40)	409 (7.47)
THA	637076	.	637076	430 (2.68)	. (.)	414 (5.80)
TUN	150875	0.17	150624	385 (2.50)	375 (18.52)	358 (10.12)
URY	33775	0.15	33724	439 (2.84)	435 (15.94)	360 (20.52)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Mother

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.10)	527 (2.84)	452 (11.75)
AUT	85931	0.17	85787	514 (3.22)	468 (5.39)	433 (20.60)
BEL	111831	1.79	109825	542 (2.43)	465 (5.61)	421 (16.11)
CAN	330436	9.70	298375	534 (1.63)	534 (3.26)	485 (9.39)
CZE	121183	4.05	116275	524 (3.03)	505 (8.05)	. (.)
DNK	51741	0.65	51406	522 (2.38)	476 (6.78)	439 (19.93)
FIN	57884	0.07	57845	550 (1.86)	499 (8.09)	514 (14.02)
FRA	734579	0.87	728167	529 (2.54)	487 (6.24)	. (.)
DEU	884358	5.57	835070	534 (3.44)	461 (5.55)	458 (10.63)
GRC	105131	0.15	104974	452 (3.97)	431 (6.26)	367 (21.18)
HUN	107044	0.06	106984	501 (3.04)	515 (8.91)	478 (12.32)
ISL	3928	0.63	3903	507 (1.38)	503 (8.57)	360 (15.45)
IRL	54850	1.03	54285	499 (2.39)	499 (5.14)	. (.)
ITA	481521	0.38	479704	472 (3.08)	467 (8.06)	392 (10.78)
JPN	1240054	0.10	1238855	548 (4.07)	. (.)	484 (66.77)
KOR	533504	0.02	533396	551 (3.08)	. (.)	460 (20.38)
LUX	4080	0.08	4077	506 (1.90)	475 (2.27)	479 (14.74)
MEX	1071650	0.37	1067674	391 (4.25)	305 (10.48)	258 (11.03)
NLD	184943	3.09	179228	532 (3.14)	477 (6.95)	. (.)
NZL	48638	0.69	48300	536 (2.60)	529 (3.85)	. (.)
NOR	52816	0.77	52407	495 (2.56)	448 (7.17)	426 (23.91)
POL	534900	.	534900	487 (2.74)	. (.)	422 (23.78)
PRT	96857	0.23	96637	474 (3.35)	432 (16.66)	. (.)
SVK	77067	0.05	77029	493 (3.31)	481 (9.05)	383 (20.07)
ESP	344372	0.07	344114	484 (2.66)	462 (9.46)	422 (17.66)
SWE	107104	0.25	106836	516 (2.10)	474 (7.12)	443 (15.99)
CHE	86491	0.14	86370	539 (2.96)	480 (4.42)	451 (18.31)
TUR	481279	0.03	481137	409 (5.95)	382 (22.20)	. (.)
GBR	698579	3.63	673201	510 (2.48)	513 (5.84)	441 (14.26)
USA	3147089	0.76	3123066	483 (2.99)	462 (6.60)	401 (14.69)
TOT	.	1.33	.	494 (1.15)	473 (3.13)	397 (10.17)
AVG	.	1.19	.	504 (0.66)	484 (1.37)	421 (4.96)
HKG	72484	0.21	72334	556 (4.14)	542 (4.54)	467 (28.87)
IDN	1971476	0.00	1971400	363 (3.30)	. (.)	287 (9.67)
LVA	33643	0.22	33570	483 (4.10)	485 (5.43)	456 (16.24)
LIE	338	.	338	543 (4.78)	503 (8.58)	. (.)
MAC	6546	.	6546	543 (6.32)	531 (2.85)	. (.)
RUS	2153373	0.02	2152991	481 (4.83)	472 (5.19)	411 (14.97)
YUG	68596	0.51	68244	421 (3.36)	427 (5.60)	379 (8.74)
THA	637076	.	637076	426 (2.72)	. (.)	407 (5.28)
TUN	150875	0.17	150624	346 (2.11)	319 (12.91)	278 (11.53)
URY	33775	0.15	33724	411 (3.62)	406 (15.54)	356 (21.76)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Father

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test %	Country of Test (SE)	Other Country %	Other Country (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	65.92	(1.04)	32.17	(1.04)	1.91	(0.27)
AUT	85931	0.17	85787	82.81	(1.01)	15.46	(0.96)	1.73	(0.22)
BEL	111831	1.79	109825	80.85	(0.95)	17.53	(0.97)	1.62	(0.15)
CAN	330436	9.70	298375	71.78	(1.08)	25.55	(1.08)	2.66	(0.17)
CZE	121183	4.05	116275	93.29	(0.47)	5.46	(0.42)	1.24	(0.19)
DNK	51741	0.65	51406	88.30	(0.89)	10.20	(0.82)	1.50	(0.20)
FIN	57884	0.07	57845	95.04	(0.34)	3.21	(0.27)	1.75	(0.19)
FRA	734579	0.87	728167	76.76	(1.70)	21.37	(1.64)	1.87	(0.22)
DEU	884358	5.57	835070	77.94	(1.16)	17.55	(1.06)	4.51	(0.39)
GRC	105131	0.13	104991	89.87	(0.68)	9.04	(0.65)	1.09	(0.15)
HUN	107044	0.06	106984	93.51	(0.77)	2.73	(0.23)	3.75	(0.70)
ISL	3928	0.63	3903	94.88	(0.42)	3.91	(0.35)	1.21	(0.20)
IRL	54850	1.03	54285	89.55	(0.58)	8.72	(0.52)	1.74	(0.25)
ITA	481521	0.38	479704	93.98	(0.44)	3.26	(0.30)	2.76	(0.23)
JPN	1240054	0.10	1238855	97.12	(0.52)	0.25	(.)	2.63	(0.51)
KOR	533504	0.02	533396	99.21	(0.11)	0.06	(.)	0.73	(0.10)
LUX	4080	0.08	4077	56.75	(0.67)	40.81	(0.67)	2.45	(0.20)
MEX	1071650	0.37	1067674	92.36	(0.71)	2.91	(0.28)	4.73	(0.55)
NLD	184943	3.09	179228	83.97	(1.60)	14.96	(1.51)	1.06	(0.21)
NZL	48638	0.69	48300	69.22	(1.14)	28.99	(1.18)	1.79	(0.20)
NOR	52816	0.77	52407	89.35	(0.87)	9.38	(0.84)	1.27	(0.17)
POL	534900	.	534900	98.25	(0.24)	0.19	(.)	1.56	(0.23)
PRT	96857	0.23	96637	90.89	(1.45)	8.31	(1.39)	0.80	(0.14)
SVK	77067	0.05	77029	94.97	(0.31)	3.71	(0.27)	1.32	(0.17)
ESP	344372	0.07	344114	92.85	(0.49)	5.17	(0.40)	1.98	(0.21)
SWE	107104	0.25	106836	82.88	(1.00)	15.82	(0.93)	1.30	(0.18)
CHE	86491	0.14	86370	71.31	(0.90)	27.25	(0.90)	1.44	(0.15)
TUR	481279	0.03	481137	97.70	(0.49)	1.58	(0.38)	0.72	(.)
GBR	698579	3.63	673201	83.99	(0.92)	13.42	(0.90)	2.60	(0.25)
USA	3147089	0.76	3123066	79.18	(1.00)	17.60	(0.95)	3.22	(0.30)
TOT	.	1.33	.	86.12	(0.33)	11.18	(0.30)	2.70	(0.11)
AVG	.	1.19	.	85.88	(0.18)	12.16	(0.17)	1.96	(0.05)
HKG	72484	0.21	72334	46.68	(1.25)	51.41	(1.29)	1.91	(0.22)
IDN	1971476	0.00	1971400	97.11	(0.38)	0.33	(.)	2.55	(0.37)
LVA	33643	0.22	33570	76.54	(1.48)	19.78	(1.38)	3.69	(0.50)
LIE	338	.	338	74.52	(2.45)	24.26	(2.29)	1.22	(.)
MAC	6546	.	6546	20.48	(1.37)	78.06	(1.41)	1.46	(.)
RUS	2153373	0.02	2152991	76.05	(0.95)	17.90	(0.79)	6.05	(0.44)
YUG	68596	0.51	68244	82.99	(0.87)	12.44	(0.79)	4.57	(0.39)
THA	637076	.	637076	93.69	(0.47)	0.35	(.)	5.96	(0.46)
TUN	150875	0.17	150624	98.28	(0.20)	0.63	(.)	1.09	(0.16)
URY	33775	0.15	33724	95.14	(0.41)	2.72	(0.31)	2.14	(0.25)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Father

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.06)	524 (3.03)	458 (13.23)
AUT	85931	0.17	85787	501 (3.83)	441 (7.68)	440 (17.87)
BEL	111831	1.79	109825	525 (2.71)	450 (6.85)	434 (13.42)
CAN	330436	9.70	298375	534 (1.63)	530 (3.06)	482 (7.76)
CZE	121183	4.05	116275	498 (2.74)	475 (8.74)	439 (15.50)
DNK	51741	0.65	51406	497 (2.75)	464 (7.52)	451 (17.21)
FIN	57884	0.07	57845	546 (1.68)	496 (8.51)	505 (12.35)
FRA	734579	0.87	728167	507 (2.79)	466 (6.27)	467 (13.22)
DEU	884358	5.57	835070	518 (3.57)	437 (6.45)	453 (9.93)
GRC	105131	0.13	104991	477 (4.06)	444 (6.80)	346 (22.38)
HUN	107044	0.06	106984	483 (2.65)	481 (9.48)	465 (8.86)
ISL	3928	0.63	3903	494 (1.63)	480 (9.53)	410 (20.65)
IRL	54850	1.03	54285	516 (2.66)	518 (5.29)	474 (14.74)
ITA	481521	0.38	479704	478 (3.04)	458 (10.28)	426 (9.56)
JPN	1240054	0.10	1238855	500 (3.90)	. (.)	453 (32.96)
KOR	533504	0.02	533396	535 (3.04)	. (.)	452 (23.15)
LUX	4080	0.08	4077	502 (2.16)	452 (2.44)	429 (11.25)
MEX	1071650	0.37	1067674	406 (3.93)	324 (11.18)	322 (10.70)
NLD	184943	3.09	179228	525 (2.88)	480 (6.16)	446 (15.53)
NZL	48638	0.69	48300	526 (3.13)	516 (4.42)	482 (9.65)
NOR	52816	0.77	52407	504 (2.75)	470 (7.52)	459 (22.58)
POL	534900	.	534900	498 (2.81)	. (.)	429 (20.97)
PRT	96857	0.23	96637	480 (3.36)	462 (16.27)	436 (21.67)
SVK	77067	0.05	77029	470 (3.03)	468 (10.60)	441 (11.86)
ESP	344372	0.07	344114	483 (2.55)	449 (8.53)	437 (14.07)
SWE	107104	0.25	106836	522 (2.26)	482 (6.66)	442 (15.35)
CHE	86491	0.14	86370	516 (3.23)	457 (4.92)	444 (14.94)
TUR	481279	0.03	481137	442 (5.76)	433 (22.22)	. (.)
GBR	698579	3.63	673201	509 (2.54)	501 (6.62)	455 (9.05)
USA	3147089	0.76	3123066	503 (3.06)	477 (6.87)	427 (11.27)
TOT	.	1.33	.	493 (1.18)	473 (3.07)	422 (6.21)
AVG	.	1.19	.	499 (0.65)	477 (1.27)	437 (3.05)
HKG	72484	0.21	72334	511 (3.85)	511 (3.75)	433 (16.05)
IDN	1971476	0.00	1971400	384 (3.34)	. (.)	314 (10.61)
LVA	33643	0.22	33570	493 (3.79)	485 (5.42)	465 (8.65)
LIE	338	.	338	535 (4.72)	496 (11.38)	. (.)
MAC	6546	.	6546	499 (6.08)	497 (2.33)	. (.)
RUS	2153373	0.02	2152991	446 (4.16)	432 (4.76)	424 (6.36)
YUG	68596	0.51	68244	412 (3.66)	423 (5.70)	386 (7.56)
THA	637076	.	637076	421 (2.82)	. (.)	403 (5.69)
TUN	150875	0.17	150624	376 (2.80)	. (.)	257 (18.08)
URY	33775	0.15	33724	435 (3.34)	417 (13.12)	402 (15.56)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Father

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.06)	524 (3.25)	456 (14.79)
AUT	85931	0.17	85787	515 (3.28)	465 (5.29)	439 (15.20)
BEL	111831	1.79	109825	548 (2.51)	470 (6.10)	452 (12.31)
CAN	330436	9.70	298375	537 (1.66)	537 (3.09)	496 (7.97)
CZE	121183	4.05	116275	524 (3.21)	500 (8.07)	466 (16.81)
DNK	51741	0.65	51406	521 (2.61)	470 (6.96)	472 (15.66)
FIN	57884	0.07	57845	547 (1.90)	500 (7.47)	508 (10.44)
FRA	734579	0.87	728167	521 (2.59)	481 (5.72)	474 (10.89)
DEU	884358	5.57	835070	527 (3.59)	454 (5.74)	463 (8.17)
GRC	105131	0.13	104991	449 (3.89)	415 (6.07)	360 (15.24)
HUN	107044	0.06	106984	491 (2.97)	487 (9.62)	464 (10.61)
ISL	3928	0.63	3903	517 (1.48)	502 (8.11)	423 (14.20)
IRL	54850	1.03	54285	503 (2.44)	505 (5.62)	453 (11.24)
ITA	481521	0.38	479704	467 (3.05)	467 (9.64)	404 (8.76)
JPN	1240054	0.10	1238855	535 (4.04)	. (.)	503 (28.29)
KOR	533504	0.02	533396	543 (3.21)	. (.)	456 (19.40)
LUX	4080	0.08	4077	508 (1.44)	474 (1.92)	460 (8.76)
MEX	1071650	0.37	1067674	392 (3.50)	308 (10.74)	308 (10.01)
NLD	184943	3.09	179228	552 (2.97)	498 (7.12)	477 (15.71)
NZL	48638	0.69	48300	526 (2.78)	522 (4.03)	483 (10.27)
NOR	52816	0.77	52407	499 (2.34)	465 (6.07)	457 (17.97)
POL	534900	.	534900	491 (2.49)	. (.)	447 (15.80)
PRT	96857	0.23	96637	469 (2.90)	443 (16.99)	415 (19.20)
SVK	77067	0.05	77029	499 (3.26)	493 (9.77)	457 (14.88)
ESP	344372	0.07	344114	487 (2.37)	454 (8.43)	462 (11.13)
SWE	107104	0.25	106836	518 (2.28)	471 (6.50)	435 (12.33)
CHE	86491	0.14	86370	545 (3.39)	482 (4.82)	469 (16.50)
TUR	481279	0.03	481137	425 (6.69)	399 (27.44)	. (.)
GBR	698579	3.63	673201	511 (2.45)	500 (6.30)	453 (8.87)
USA	3147089	0.76	3123066	489 (2.82)	469 (6.24)	416 (9.71)
TOT	.	1.33	.	494 (1.09)	475 (2.74)	424 (6.24)
AVG	.	1.19	.	504 (0.66)	485 (1.23)	443 (3.16)
HKG	72484	0.21	72334	555 (4.70)	548 (4.70)	494 (19.62)
IDN	1971476	0.00	1971400	363 (3.95)	. (.)	278 (8.17)
LVA	33643	0.22	33570	486 (3.71)	479 (5.44)	466 (7.53)
LIE	338	.	338	546 (5.38)	505 (9.97)	. (.)
MAC	6546	.	6546	526 (6.51)	528 (3.52)	. (.)
RUS	2153373	0.02	2152991	472 (4.32)	463 (5.10)	444 (7.37)
YUG	68596	0.51	68244	438 (3.86)	448 (5.40)	399 (8.78)
THA	637076	.	637076	419 (3.06)	. (.)	388 (4.95)
TUN	150875	0.17	150624	360 (2.53)	. (.)	274 (14.65)
URY	33775	0.15	33724	423 (3.31)	420 (10.27)	382 (11.16)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Father

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.06)	521 (3.21)	462 (13.91)
AUT	85931	0.17	85787	502 (3.44)	441 (5.70)	436 (16.63)
BEL	111831	1.79	109825	526 (2.59)	452 (6.24)	437 (11.35)
CAN	330436	9.70	298375	527 (1.92)	516 (3.37)	467 (8.92)
CZE	121183	4.05	116275	530 (3.07)	509 (7.89)	479 (16.13)
DNK	51741	0.65	51406	482 (2.88)	431 (8.02)	422 (14.52)
FIN	57884	0.07	57845	551 (1.95)	495 (8.30)	524 (12.33)
FRA	734579	0.87	728167	524 (3.29)	474 (6.55)	481 (15.40)
DEU	884358	5.57	835070	530 (3.75)	442 (6.42)	455 (9.99)
GRC	105131	0.13	104991	485 (3.81)	452 (7.09)	406 (17.99)
HUN	107044	0.06	106984	505 (2.90)	495 (9.96)	473 (9.17)
ISL	3928	0.63	3903	496 (1.54)	486 (8.60)	432 (18.25)
IRL	54850	1.03	54285	505 (2.69)	512 (6.34)	460 (13.81)
ITA	481521	0.38	479704	489 (3.16)	468 (11.97)	437 (9.19)
JPN	1240054	0.10	1238855	549 (4.20)	. (.)	513 (26.35)
KOR	533504	0.02	533396	539 (3.50)	. (.)	456 (22.28)
LUX	4080	0.08	4077	501 (1.98)	460 (2.40)	436 (10.72)
MEX	1071650	0.37	1067674	410 (3.36)	338 (10.48)	351 (8.51)
NLD	184943	3.09	179228	538 (3.18)	478 (7.70)	471 (17.34)
NZL	48638	0.69	48300	526 (2.95)	515 (4.37)	467 (10.22)
NOR	52816	0.77	52407	490 (2.78)	442 (7.19)	440 (20.99)
POL	534900	.	534900	499 (2.86)	. (.)	444 (17.84)
PRT	96857	0.23	96637	470 (3.16)	454 (14.94)	413 (21.91)
SVK	77067	0.05	77029	495 (3.60)	496 (11.45)	461 (18.43)
ESP	344372	0.07	344114	490 (2.55)	453 (9.09)	454 (16.03)
SWE	107104	0.25	106836	516 (2.74)	460 (7.17)	450 (15.52)
CHE	86491	0.14	86370	533 (3.62)	462 (5.42)	454 (17.65)
TUR	481279	0.03	481137	434 (5.94)	449 (20.91)	. (.)
GBR	698579	3.63	673201	521 (2.68)	509 (7.07)	462 (9.95)
USA	3147089	0.76	3123066	499 (2.83)	473 (6.91)	424 (9.89)
TOT	.	1.33	.	502 (1.06)	473 (3.02)	435 (5.86)
AVG	.	1.19	.	505 (0.61)	476 (1.32)	447 (3.22)
HKG	72484	0.21	72334	543 (4.41)	538 (4.54)	477 (16.71)
IDN	1971476	0.00	1971400	396 (3.25)	. (.)	350 (7.09)
LVA	33643	0.22	33570	491 (4.07)	486 (6.26)	468 (10.57)
LIE	338	.	338	536 (5.47)	492 (11.58)	. (.)
MAC	6546	.	6546	527 (8.26)	525 (3.53)	. (.)
RUS	2153373	0.02	2152991	493 (4.43)	482 (4.90)	465 (6.38)
YUG	68596	0.51	68244	437 (3.67)	439 (5.39)	415 (7.28)
THA	637076	.	637076	430 (2.70)	. (.)	413 (5.62)
TUN	150875	0.17	150624	385 (2.56)	. (.)	345 (15.74)
URY	33775	0.15	33724	439 (2.90)	446 (12.31)	405 (13.75)

Student Questionnaire – Question 15a

Q15a In what country were you and your parents born?

Father

<Country of test>
<Country A>
<Country B>
<Country C>
Other country

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Country of Test mean (SE)	Other Country mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (1.97)	525 (2.85)	466 (12.93)
AUT	85931	0.17	85787	515 (3.21)	468 (5.57)	452 (14.69)
BEL	111831	1.79	109825	542 (2.50)	469 (5.59)	461 (10.81)
CAN	330436	9.70	298375	535 (1.59)	534 (3.00)	491 (7.54)
CZE	121183	4.05	116275	525 (3.06)	498 (7.63)	466 (15.81)
DNK	51741	0.65	51406	523 (2.41)	474 (6.52)	462 (15.86)
FIN	57884	0.07	57845	549 (1.88)	514 (8.45)	527 (10.33)
FRA	734579	0.87	728167	530 (2.71)	488 (5.97)	480 (11.17)
DEU	884358	5.57	835070	535 (3.48)	462 (5.52)	464 (8.26)
GRC	105131	0.13	104991	452 (3.99)	425 (6.79)	360 (18.13)
HUN	107044	0.06	106984	502 (3.06)	503 (8.89)	478 (10.46)
ISL	3928	0.63	3903	507 (1.41)	491 (7.05)	366 (16.50)
IRL	54850	1.03	54285	498 (2.33)	506 (5.35)	446 (11.48)
ITA	481521	0.38	479704	472 (3.03)	464 (11.09)	398 (11.24)
JPN	1240054	0.10	1238855	549 (4.06)	. (.)	503 (27.07)
KOR	533504	0.02	533396	551 (3.05)	. (.)	484 (17.97)
LUX	4080	0.08	4077	509 (2.09)	474 (2.08)	470 (9.07)
MEX	1071650	0.37	1067674	392 (4.19)	302 (9.50)	293 (10.72)
NLD	184943	3.09	179228	532 (3.06)	476 (7.06)	452 (15.67)
NZL	48638	0.69	48300	535 (2.74)	531 (3.67)	497 (10.65)
NOR	52816	0.77	52407	494 (2.65)	456 (6.61)	457 (18.86)
POL	534900	.	534900	488 (2.70)	. (.)	424 (21.90)
PRT	96857	0.23	96637	474 (3.29)	437 (18.57)	414 (18.74)
SVK	77067	0.05	77029	493 (3.25)	483 (10.66)	449 (15.16)
ESP	344372	0.07	344114	484 (2.75)	459 (7.76)	455 (10.86)
SWE	107104	0.25	106836	517 (2.22)	474 (6.31)	437 (12.84)
CHE	86491	0.14	86370	539 (3.05)	478 (4.66)	457 (14.54)
TUR	481279	0.03	481137	409 (5.92)	380 (26.68)	. (.)
GBR	698579	3.63	673201	512 (2.42)	505 (6.01)	458 (9.33)
USA	3147089	0.76	3123066	483 (2.93)	464 (6.83)	420 (10.14)
TOT	.	1.33	.	494 (1.15)	474 (3.04)	422 (6.54)
AVG	.	1.19	.	504 (0.67)	485 (1.25)	441 (3.33)
HKG	72484	0.21	72334	554 (4.25)	545 (4.35)	487 (19.44)
IDN	1971476	0.00	1971400	363 (3.29)	. (.)	292 (9.15)
LVA	33643	0.22	33570	484 (3.97)	483 (6.13)	460 (8.01)
LIE	338	.	338	538 (4.88)	502 (9.79)	. (.)
MAC	6546	.	6546	535 (5.77)	532 (3.10)	. (.)
RUS	2153373	0.02	2152991	482 (4.75)	473 (5.32)	455 (7.59)
YUG	68596	0.51	68244	421 (3.43)	425 (5.16)	390 (9.35)
THA	637076	.	637076	426 (2.73)	. (.)	405 (5.44)
TUN	150875	0.17	150624	346 (2.11)	. (.)	262 (12.63)
URY	33775	0.15	33724	411 (3.68)	400 (12.78)	385 (11.97)

Student Questionnaire – Question 15b

Q15b If you were NOT born in <country of test>, how old were you when you arrived in <country of test>?(If you were less than 12 months old, please write zero (0).)

Years

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	40.89	139254	79.67	6.5 (0.17)	0.00	0.00	2.00	6.00	11.00	14.00	15.00
AUT	85931	88.10	10225	21.86	5.1 (0.21)	0.00	2.00	3.00	4.00	6.00	11.00	12.00
BEL	111831	91.60	9395	32.62	6.7 (0.30)	0.00	0.00	2.00	6.00	11.00	13.00	14.00
CAN	330436	88.27	38745	9.36	7.0 (0.15)	0.00	1.00	3.00	7.00	11.00	13.00	14.00
CZE	121183	98.35	1996	14.88	6.8 (0.66)	0.00	0.00	3.00	6.00	11.00	14.00	14.00
DNK	51741	94.14	3031	8.85	4.9 (0.31)	0.00	0.00	2.00	4.00	7.00	12.00	13.00
FIN	57884	95.95	2344	25.68	5.8 (0.36)	0.00	1.00	2.00	5.00	9.00	12.00	13.00
FRA	734579	94.10	43344	25.55	5.8 (0.37)	0.00	0.00	2.00	5.00	8.00	13.00	15.00
DEU	884358	88.73	99674	16.64	5.7 (0.36)	0.00	1.00	2.00	5.00	9.00	12.00	14.00
GRC	105131	90.50	9987	7.17	6.1 (0.25)	0.00	0.00	3.00	6.00	9.00	12.00	13.00
HUN	107044	96.76	3470	25.00	6.7 (0.52)	1.00	1.50	2.00	4.00	12.00	15.00	15.00
ISL	3928	93.76	245	7.64	4.1 (0.27)	0.00	0.00	1.00	3.00	6.00	11.00	12.00
IRL	54850	92.40	4166	11.02	6.9 (0.30)	0.00	0.00	3.00	7.00	11.00	13.00	14.00
ITA	481521	96.17	18459	24.01	7.0 (0.37)	0.00	0.00	3.00	7.00	11.00	13.00	14.00
JPN	1240054	98.70	16182	70.58	3.6 (0.82)	0.00	0.00	1.00	3.00	4.00	10.00	10.00
KOR	533504	99.38	3330	67.37	4.7 (0.84)	0.00	2.00	3.00	4.00	6.00	9.00	11.00
LUX	4080	75.03	1019	22.73	4.9 (0.13)	0.00	0.00	2.00	4.00	7.00	11.00	12.00
MEX	1071650	93.54	69178	84.84	6.9 (0.62)	1.00	2.00	3.00	6.00	11.00	12.00	13.00
NLD	184943	93.91	11266	14.36	5.5 (0.32)	0.00	1.00	2.50	5.00	8.00	12.00	13.00
NZL	48638	81.41	9041	14.63	8.1 (0.22)	0.00	1.00	3.00	8.00	13.00	14.00	15.00
NOR	52816	94.01	3166	9.53	5.1 (0.36)	0.00	0.00	1.00	3.00	9.00	12.00	14.00
POL	534900	99.78	1157	20.40	2.6 (1.35)	0.00	0.00	0.00	0.00	4.00	10.00	10.00
PRT	96857	92.53	7239	11.07	6.7 (0.31)	0.00	0.00	3.00	6.00	11.00	13.00	14.00
SVK	77067	98.39	1241	43.59	3.1 (0.32)	0.00	0.00	1.00	3.00	4.00	5.00	10.00
ESP	344372	95.27	16274	11.42	8.5 (0.43)	0.00	1.00	4.00	10.00	13.00	14.00	14.00
SWE	107104	90.21	10484	19.90	4.5 (0.24)	0.00	0.00	1.00	4.00	6.00	11.00	13.00
CHE	86491	82.50	15133	28.93	5.2 (0.18)	0.00	0.00	1.50	4.00	8.00	12.00	13.00
TUR	481279	98.45	7456	42.63	4.8 (0.71)	0.00	0.00	2.00	2.50	8.00	12.00	13.00
GBR	698579	93.61	44626	21.97	6.3 (0.36)	0.00	0.00	2.00	5.00	11.00	14.00	15.00
USA	3147089	90.92	285841	20.58	5.5 (0.26)	0.00	0.00	2.00	5.00	10.00	12.00	14.00
TOT	.	92.65	.	35.26	5.9 (0.12)	0.00	0.00	2.00	5.00	10.00	13.00	14.00
AVG	.	90.91	.	33.80	6.0 (0.05)	0.00	0.00	2.00	5.00	10.00	13.00	14.00
HKG	72484	73.84	18964	9.32	8.0 (0.21)	0.00	2.00	5.00	9.00	11.00	13.00	14.00
IDN	1971476	98.34	32735	91.33	3.5 (1.40)	0.00	0.00	0.00	0.00	11.00	14.00	14.00
LVA	33643	96.85	1059	16.54	2.5 (0.29)	0.00	0.00	0.00	2.00	4.00	6.00	7.00
LIE	338	83.39	56	30.79	5.9 (0.73)	0.00	0.00	1.00	4.00	11.00	12.00	14.00
MAC	6546	73.91	1708	19.85	7.5 (0.36)	0.00	1.00	2.00	9.00	12.00	13.00	14.00
RUS	2153373	88.13	255587	39.67	5.6 (0.28)	0.00	0.00	2.00	5.00	8.00	12.00	13.00
YUG	68596	89.80	7000	35.21	5.8 (0.19)	0.00	2.00	3.00	5.00	8.00	10.00	11.00
THA	637076	99.90	654	.	3.0 (0.86)	1.00	1.00	2.00	2.00	3.00	7.00	7.00
TUN	150875	95.24	7183	76.41	4.7 (0.44)	1.00	2.00	3.00	4.00	6.00	8.00	12.00
URY	33775	95.89	1387	13.46	4.3 (0.37)	0.00	0.00	1.00	3.00	6.00	11.00	12.00

Student Questionnaire – Question 16

Q16 What language do you speak at home most of the time?

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Test Language %	Test Language (SE)	National Language %	National Language (SE)	Other Language %	Other Language (SE)	Other %	Other (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	89.24	(0.61)	.	(.)	0.06	(.)	8.74	(0.65)	1.96	(0.21)
AUT	85931	0.17	85787	88.15	(0.90)	.	(.)	.	(.)	8.72	(0.70)	3.13	(0.30)
BEL	111831	1.79	109825	75.55	(0.81)	1.27	(0.24)	9.03	(0.60)	4.29	(0.33)	9.85	(0.50)
CAN	330436	9.70	298375	85.17	(0.74)	2.17	(0.14)	.	(.)	11.06	(0.68)	1.60	(0.13)
CZE	121183	4.06	116257	97.67	(0.31)	.	(.)	.	(.)	0.94	(0.19)	1.39	(0.25)
DNK	51741	0.65	51406	93.42	(0.63)	.	(.)	.	(.)	3.79	(0.46)	2.79	(0.33)
FIN	57884	0.07	57845	96.57	(0.22)	1.08	(0.08)	.	(.)	1.76	(0.21)	0.59	(0.10)
FRA	734579	0.87	728167	90.48	(0.78)	.	(.)	0.60	(.)	5.92	(0.70)	3.01	(0.30)
DEU	884358	5.57	835070	85.01	(0.83)	.	(.)	.	(.)	7.13	(0.51)	7.86	(0.48)
GRC	105131	0.15	104969	94.94	(0.45)	.	(.)	.	(.)	3.18	(0.39)	1.88	(0.21)
HUN	107044	0.06	106984	96.59	(0.68)	.	(.)	.	(.)	0.62	(0.12)	2.80	(0.68)
ISL	3928	0.63	3903	96.67	(0.34)	.	(.)	.	(.)	1.61	(0.21)	1.72	(0.22)
IRL	54850	1.03	54285	97.03	(0.50)	1.61	(0.51)	.	(.)	0.80	(.)	0.55	(.)
ITA	481521	0.35	479854	75.23	(1.19)	0.36	(0.08)	15.78	(0.96)	1.48	(0.21)	7.14	(0.48)
JPN	1240054	0.10	1238855	93.47	(0.63)	.	(.)	.	(.)	0.23	(.)	6.30	(0.63)
KOR	533504	0.02	533396	99.12	(0.15)	.	(.)	.	(.)	0.12	(.)	0.76	(0.14)
LUX	4080	0.08	4077	7.12	(0.38)	63.86	(0.66)	.	(.)	23.69	(0.55)	5.33	(0.33)
MEX	1071650	0.45	1066861	92.12	(1.34)	.	(.)	4.12	(1.09)	1.04	(0.31)	2.73	(0.23)
NLD	184943	3.09	179228	81.37	(1.40)	.	(.)	9.53	(1.25)	4.35	(0.58)	4.75	(0.42)
NZL	48638	0.69	48300	90.27	(0.69)	0.23	(.)	.	(.)	8.99	(0.70)	0.51	(.)
NOR	52816	0.77	52407	92.37	(0.70)	0.64	(.)	.	(.)	4.40	(0.51)	2.60	(0.30)
POL	534900	.	534900	98.98	(0.19)	.	(.)	.	(.)	0.18	(.)	0.84	(0.16)
PRT	96857	0.23	96637	96.12	(0.31)	.	(.)	.	(.)	1.37	(0.20)	2.51	(0.23)
SVK	77067	0.05	77029	94.63	(0.78)	2.48	(0.68)	.	(.)	1.40	(0.32)	1.48	(0.24)
ESP	344372	0.07	344114	83.99	(1.45)	14.09	(1.43)	.	(.)	1.68	(0.28)	0.24	(.)
SWE	107104	0.25	106836	87.07	(0.87)	.	(.)	0.67	(.)	6.47	(0.62)	5.78	(0.42)
CHE	86491	0.14	86370	81.30	(0.79)	1.99	(0.41)	0.40	(0.06)	8.80	(0.64)	7.51	(0.47)
TUR	481279	0.03	481137	97.68	(0.81)	.	(.)	0.53	(0.25)	1.24	(0.57)	0.56	(.)
GBR	698579	3.63	673243	92.97	(0.68)	0.03	(.)	0.52	(0.13)	3.73	(0.54)	2.75	(0.27)
USA	3147089	0.76	3123066	87.99	(0.83)	.	(.)	.	(.)	8.68	(0.66)	3.33	(0.33)
TOT	.	1.34	.	90.04	(0.27)	0.56	(0.04)	1.33	(0.11)	4.53	(0.20)	3.54	(0.11)
AVG	.	1.19	.	87.94	(0.14)	3.02	(0.07)	1.37	(0.07)	4.53	(0.09)	3.14	(0.06)
HKG	72484	0.21	72334	88.12	(0.61)	0.44	(.)	3.85	(0.41)	4.31	(0.38)	3.29	(0.26)
IDN	1971476	0.00	1971400	30.76	(1.76)	.	(.)	63.79	(1.82)	2.06	(0.27)	3.39	(0.26)
LVA	33643	0.24	33561	89.20	(1.07)	.	(.)	.	(.)	8.12	(1.08)	2.68	(0.26)
LIE	338	.	338	72.18	(2.35)	1.21	(.)	0.31	(.)	16.58	(2.09)	9.71	(1.60)
MAC	6546	.	6546	82.51	(1.02)	4.95	(0.11)	5.83	(0.70)	4.54	(0.70)	2.17	(0.38)
RUS	2153373	0.02	2152991	93.53	(1.31)	.	(.)	.	(.)	5.35	(1.24)	1.13	(0.16)
YUG	68596	0.51	68244	96.47	(0.32)	0.44	(.)	0.08	(.)	1.46	(0.20)	1.55	(0.22)
THA	637076	.	637076	43.81	(2.30)	.	(.)	54.21	(2.31)	.	(.)	1.99	(0.21)
TUN	150875	0.17	150624	0.66	(0.18)	.	(.)	95.65	(0.51)	0.35	(.)	3.34	(0.42)
URY	33775	0.15	33724	95.22	(0.50)	.	(.)	.	(.)	1.87	(0.38)	2.92	(0.26)

Student Questionnaire – Question 16

Q16 What language do you speak at home most of the time?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Test Language mean (SE)	National language mean (SE)	Other Language mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.06)	. (.)	. (.)	510 (5.14)	452 (9.36)
AUT	85931	0.17	85787	500 (3.77)	. (.)	. (.)	422 (10.44)	418 (8.52)
BEL	111831	1.79	109825	520 (3.03)	518 (13.36)	540 (5.11)	429 (10.20)	444 (5.49)
CAN	330436	9.70	298375	536 (1.58)	496 (6.17)	. (.)	510 (4.59)	465 (9.26)
CZE	121183	4.06	116257	496 (2.80)	. (.)	. (.)	489 (16.26)	464 (11.58)
DNK	51741	0.65	51406	495 (2.78)	. (.)	. (.)	470 (11.31)	452 (10.38)
FIN	57884	0.07	57845	546 (1.67)	526 (7.28)	. (.)	454 (10.74)	468 (17.47)
FRA	734579	0.87	728167	504 (2.60)	. (.)	. (.)	427 (10.56)	437 (9.17)
DEU	884358	5.57	835070	515 (3.31)	. (.)	. (.)	407 (7.97)	438 (7.66)
GRC	105131	0.15	104969	475 (3.99)	. (.)	. (.)	406 (11.66)	457 (17.98)
HUN	107044	0.06	106984	483 (2.61)	. (.)	. (.)	409 (21.35)	464 (11.93)
ISL	3928	0.63	3903	494 (1.62)	. (.)	. (.)	426 (19.21)	470 (16.03)
IRL	54850	1.03	54285	517 (2.63)	474 (14.17)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	489 (2.93)	460 (31.57)	439 (6.31)	441 (16.13)	429 (6.70)
JPN	1240054	0.10	1238855	502 (3.91)	. (.)	. (.)	. (.)	452 (14.61)
KOR	533504	0.02	533396	535 (3.11)	. (.)	. (.)	. (.)	477 (16.26)
LUX	4080	0.08	4077	495 (5.44)	499 (1.73)	. (.)	433 (3.34)	436 (7.07)
MEX	1071650	0.45	1066861	407 (3.72)	. (.)	299 (12.69)	313 (29.89)	356 (14.43)
NLD	184943	3.09	179228	524 (3.04)	. (.)	517 (8.99)	458 (8.59)	461 (7.32)
NZL	48638	0.69	48300	528 (2.63)	. (.)	. (.)	474 (6.28)	. (.)
NOR	52816	0.77	52407	506 (2.60)	. (.)	. (.)	445 (9.60)	431 (12.65)
POL	534900	.	534900	497 (2.83)	. (.)	. (.)	. (.)	458 (29.35)
PRT	96857	0.23	96637	480 (3.73)	. (.)	. (.)	386 (17.65)	447 (9.97)
SVK	77067	0.05	77029	474 (2.67)	385 (16.93)	. (.)	374 (16.88)	408 (15.05)
ESP	344372	0.07	344114	481 (2.90)	480 (4.23)	. (.)	458 (19.12)	. (.)
SWE	107104	0.25	106836	522 (2.14)	. (.)	. (.)	462 (10.92)	459 (7.55)
CHE	86491	0.14	86370	513 (3.63)	449 (13.55)	454 (14.60)	428 (6.66)	443 (7.25)
TUR	481279	0.03	481137	442 (5.72)	. (.)	374 (28.74)	370 (16.77)	. (.)
GBR	698579	3.63	673243	510 (2.62)	. (.)	447 (25.73)	471 (12.30)	448 (9.68)
USA	3147089	0.76	3123066	503 (3.09)	. (.)	. (.)	447 (6.87)	418 (12.22)
TOT	.	1.34	.	494 (1.18)	479 (3.39)	415 (10.66)	444 (3.90)	432 (4.98)
AVG	.	1.19	.	500 (0.68)	490 (1.86)	466 (6.58)	447 (1.95)	441 (2.00)
HKG	72484	0.21	72334	515 (3.62)	. (.)	505 (7.03)	453 (9.58)	471 (9.72)
IDN	1971476	0.00	1971400	385 (5.21)	. (.)	381 (3.72)	365 (11.06)	361 (6.50)
LVA	33643	0.24	33561	494 (3.66)	. (.)	. (.)	465 (8.50)	444 (10.43)
LIE	338	.	338	540 (4.91)	. (.)	. (.)	506 (10.65)	460 (15.68)
MAC	6546	.	6546	501 (2.46)	465 (6.49)	511 (10.97)	464 (10.40)	485 (15.85)
RUS	2153373	0.02	2152991	445 (3.64)	. (.)	. (.)	393 (11.22)	407 (15.74)
YUG	68596	0.51	68244	413 (3.60)	. (.)	. (.)	376 (13.46)	384 (12.00)
THA	637076	.	637076	439 (4.81)	. (.)	405 (2.65)	. (.)	400 (10.34)
TUN	150875	0.17	150624	316 (20.13)	. (.)	375 (2.88)	. (.)	381 (10.94)
URY	33775	0.15	33724	436 (3.46)	. (.)	. (.)	397 (18.64)	404 (13.45)

Student Questionnaire – Question 16

Q16 What language do you speak at home most of the time?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Test Language mean (SE)	National language mean (SE)	Other Language mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.05)	. (.)	. (.)	516 (5.83)	444 (10.02)
AUT	85931	0.17	85787	513 (3.30)	. (.)	. (.)	456 (7.20)	440 (7.30)
BEL	111831	1.79	109825	541 (2.73)	539 (14.69)	567 (5.28)	449 (8.42)	472 (4.92)
CAN	330436	9.70	298375	539 (1.63)	524 (6.61)	. (.)	525 (4.41)	482 (8.68)
CZE	121183	4.06	116257	523 (3.25)	. (.)	. (.)	517 (14.52)	476 (10.99)
DNK	51741	0.65	51406	517 (2.69)	. (.)	. (.)	474 (10.11)	489 (10.27)
FIN	57884	0.07	57845	546 (1.91)	534 (6.75)	. (.)	473 (10.87)	473 (15.00)
FRA	734579	0.87	728167	518 (2.43)	. (.)	. (.)	452 (9.22)	458 (7.81)
DEU	884358	5.57	835070	523 (3.32)	. (.)	. (.)	434 (6.78)	453 (7.25)
GRC	105131	0.15	104969	447 (3.86)	. (.)	. (.)	399 (9.37)	432 (14.33)
HUN	107044	0.06	106984	491 (2.93)	. (.)	. (.)	469 (20.38)	475 (13.83)
ISL	3928	0.63	3903	517 (1.46)	. (.)	. (.)	468 (13.45)	495 (13.49)
IRL	54850	1.03	54285	503 (2.44)	485 (15.14)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	475 (3.04)	453 (29.64)	441 (6.37)	445 (13.95)	428 (5.91)
JPN	1240054	0.10	1238855	538 (4.05)	. (.)	. (.)	. (.)	483 (14.10)
KOR	533504	0.02	533396	543 (3.26)	. (.)	. (.)	. (.)	492 (14.30)
LUX	4080	0.08	4077	514 (5.22)	505 (1.43)	. (.)	464 (2.76)	449 (6.75)
MEX	1071650	0.45	1066861	391 (3.39)	. (.)	302 (10.50)	298 (25.06)	353 (11.28)
NLD	184943	3.09	179228	549 (3.29)	. (.)	551 (9.61)	468 (9.66)	488 (7.67)
NZL	48638	0.69	48300	526 (2.39)	. (.)	. (.)	510 (6.77)	. (.)
NOR	52816	0.77	52407	500 (2.29)	. (.)	. (.)	455 (8.44)	426 (10.72)
POL	534900	.	534900	491 (2.50)	. (.)	. (.)	. (.)	438 (22.32)
PRT	96857	0.23	96637	468 (3.42)	. (.)	. (.)	427 (15.49)	431 (8.58)
SVK	77067	0.05	77029	502 (2.99)	427 (16.49)	. (.)	404 (20.61)	450 (17.01)
ESP	344372	0.07	344114	485 (2.76)	486 (4.30)	. (.)	477 (14.73)	. (.)
SWE	107104	0.25	106836	518 (2.22)	. (.)	. (.)	452 (9.78)	451 (7.67)
CHE	86491	0.14	86370	540 (3.74)	488 (12.43)	531 (19.59)	460 (7.10)	469 (6.92)
TUR	481279	0.03	481137	425 (6.68)	. (.)	368 (23.68)	351 (14.03)	. (.)
GBR	698579	3.63	673243	511 (2.58)	. (.)	477 (22.41)	477 (12.08)	454 (8.05)
USA	3147089	0.76	3123066	490 (2.86)	. (.)	. (.)	444 (6.27)	411 (9.60)
TOT	.	1.34	.	495 (1.09)	489 (3.40)	424 (10.78)	450 (3.71)	441 (4.71)
AVG	.	1.19	.	505 (0.68)	500 (1.65)	481 (7.13)	466 (1.86)	454 (2.19)
HKG	72484	0.21	72334	557 (4.56)	. (.)	518 (7.26)	488 (9.56)	508 (10.16)
IDN	1971476	0.00	1971400	362 (6.08)	. (.)	361 (4.06)	354 (16.00)	326 (6.35)
LVA	33643	0.24	33561	487 (3.71)	. (.)	. (.)	463 (7.81)	445 (8.87)
LIE	338	.	338	552 (5.06)	. (.)	. (.)	508 (12.05)	474 (15.07)
MAC	6546	.	6546	531 (3.37)	517 (9.09)	524 (17.10)	482 (13.82)	500 (16.19)
RUS	2153373	0.02	2152991	471 (4.05)	. (.)	. (.)	425 (12.67)	437 (17.77)
YUG	68596	0.51	68244	438 (3.81)	. (.)	. (.)	395 (10.78)	417 (11.91)
THA	637076	.	637076	439 (4.89)	. (.)	400 (2.86)	. (.)	381 (9.48)
TUN	150875	0.17	150624	313 (10.66)	. (.)	359 (2.58)	. (.)	367 (9.30)
URY	33775	0.15	33724	425 (3.26)	. (.)	. (.)	372 (15.74)	379 (10.54)

Student Questionnaire – Question 16

Q16 What language do you speak at home most of the time?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Test Language mean (SE)	National language mean (SE)	Other Language mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.04)	. (.)	. (.)	505 (6.11)	445 (8.39)
AUT	85931	0.17	85787	501 (3.43)	. (.)	. (.)	427 (7.40)	401 (8.50)
BEL	111831	1.79	109825	521 (2.91)	524 (13.18)	541 (5.40)	428 (9.54)	450 (5.37)
CAN	330436	9.70	298375	529 (1.87)	480 (7.24)	. (.)	492 (5.00)	454 (10.05)
CZE	121183	4.06	116257	529 (3.12)	. (.)	. (.)	529 (16.89)	484 (13.43)
DNK	51741	0.65	51406	479 (2.92)	. (.)	. (.)	443 (13.75)	423 (11.63)
FIN	57884	0.07	57845	551 (1.96)	505 (7.78)	. (.)	459 (12.94)	443 (12.49)
FRA	734579	0.87	728167	518 (2.99)	. (.)	. (.)	440 (11.36)	466 (10.03)
DEU	884358	5.57	835070	525 (3.50)	. (.)	. (.)	417 (7.38)	448 (8.23)
GRC	105131	0.15	104969	484 (3.75)	. (.)	. (.)	426 (10.57)	447 (16.09)
HUN	107044	0.06	106984	504 (2.87)	. (.)	. (.)	464 (22.59)	487 (10.82)
ISL	3928	0.63	3903	495 (1.49)	. (.)	. (.)	475 (17.03)	508 (16.48)
IRL	54850	1.03	54285	506 (2.70)	486 (13.58)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	498 (3.20)	451 (31.10)	458 (6.81)	426 (19.13)	443 (6.79)
JPN	1240054	0.10	1238855	551 (4.21)	. (.)	. (.)	. (.)	497 (13.44)
KOR	533504	0.02	533396	539 (3.56)	. (.)	. (.)	. (.)	479 (15.81)
LUX	4080	0.08	4077	509 (6.06)	498 (1.76)	. (.)	446 (3.23)	424 (7.41)
MEX	1071650	0.45	1066861	409 (3.25)	. (.)	341 (11.26)	339 (26.20)	398 (9.06)
NLD	184943	3.09	179228	535 (3.58)	. (.)	534 (10.43)	451 (9.71)	469 (8.34)
NZL	48638	0.69	48300	526 (2.53)	. (.)	. (.)	481 (6.75)	. (.)
NOR	52816	0.77	52407	491 (2.74)	. (.)	. (.)	415 (10.12)	410 (10.87)
POL	534900	.	534900	498 (2.86)	. (.)	. (.)	. (.)	460 (23.18)
PRT	96857	0.23	96637	470 (3.49)	. (.)	. (.)	394 (16.33)	447 (9.00)
SVK	77067	0.05	77029	500 (3.11)	422 (15.65)	. (.)	341 (41.54)	424 (18.37)
ESP	344372	0.07	344114	488 (3.00)	486 (3.66)	. (.)	472 (19.92)	. (.)
SWE	107104	0.25	106836	515 (2.53)	. (.)	. (.)	436 (10.69)	451 (9.30)
CHE	86491	0.14	86370	529 (4.04)	470 (15.77)	519 (17.28)	437 (7.30)	442 (7.77)
TUR	481279	0.03	481137	435 (5.85)	. (.)	383 (25.58)	384 (14.05)	. (.)
GBR	698579	3.63	673243	522 (2.76)	. (.)	468 (23.95)	476 (12.88)	470 (9.40)
USA	3147089	0.76	3123066	499 (2.95)	. (.)	. (.)	446 (6.91)	426 (10.66)
TOT	.	1.34	.	502 (1.10)	484 (3.05)	440 (9.47)	445 (3.90)	450 (4.82)
AVG	.	1.19	.	505 (0.65)	492 (1.64)	482 (6.36)	449 (1.99)	449 (2.17)
HKG	72484	0.21	72334	546 (4.23)	. (.)	502 (6.88)	484 (9.58)	500 (10.18)
IDN	1971476	0.00	1971400	398 (4.81)	. (.)	394 (3.49)	386 (12.66)	394 (5.38)
LVA	33643	0.24	33561	493 (3.90)	. (.)	. (.)	468 (8.25)	437 (10.18)
LIE	338	.	338	544 (5.90)	. (.)	. (.)	490 (11.67)	462 (14.63)
MAC	6546	.	6546	530 (3.25)	504 (11.52)	516 (14.56)	473 (14.49)	503 (19.33)
RUS	2153373	0.02	2152991	493 (3.82)	. (.)	. (.)	433 (11.00)	443 (17.37)
YUG	68596	0.51	68244	438 (3.54)	. (.)	. (.)	406 (12.41)	387 (11.58)
THA	637076	.	637076	446 (4.71)	. (.)	417 (2.86)	. (.)	406 (9.44)
TUN	150875	0.17	150624	351 (15.19)	. (.)	385 (2.59)	. (.)	394 (9.88)
URY	33775	0.15	33724	441 (2.91)	. (.)	. (.)	396 (18.71)	395 (13.43)

Student Questionnaire – Question 16

Q16 What language do you speak at home most of the time?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Test Language mean (SE)	National language mean (SE)	Other Language mean (SE)	Other mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (1.93)	. (.)	. (.)	515 (5.29)	450 (9.25)
AUT	85931	0.17	85787	514 (3.18)	. (.)	. (.)	458 (7.77)	434 (8.07)
BEL	111831	1.79	109825	538 (2.56)	548 (13.13)	552 (4.99)	450 (8.24)	464 (4.84)
CAN	330436	9.70	298375	536 (1.58)	525 (6.69)	. (.)	524 (4.44)	476 (9.66)
CZE	121183	4.06	116257	523 (3.10)	. (.)	. (.)	520 (13.62)	477 (10.58)
DNK	51741	0.65	51406	520 (2.49)	. (.)	. (.)	475 (10.20)	483 (10.07)
FIN	57884	0.07	57845	549 (1.90)	548 (6.83)	. (.)	492 (10.00)	487 (12.52)
FRA	734579	0.87	728167	527 (2.54)	. (.)	. (.)	458 (9.11)	460 (8.65)
DEU	884358	5.57	835070	531 (3.26)	. (.)	. (.)	430 (6.53)	464 (6.57)
GRC	105131	0.15	104969	451 (3.94)	. (.)	. (.)	401 (10.98)	413 (14.18)
HUN	107044	0.06	106984	502 (2.99)	. (.)	. (.)	463 (19.65)	484 (14.47)
ISL	3928	0.63	3903	506 (1.38)	. (.)	. (.)	454 (12.53)	486 (14.31)
IRL	54850	1.03	54285	499 (2.33)	462 (13.93)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	481 (3.07)	425 (36.01)	440 (6.25)	449 (15.58)	424 (7.04)
JPN	1240054	0.10	1238855	551 (4.08)	. (.)	. (.)	. (.)	493 (12.84)
KOR	533504	0.02	533396	551 (3.09)	. (.)	. (.)	. (.)	509 (14.39)
LUX	4080	0.08	4077	515 (5.28)	506 (1.61)	. (.)	464 (2.85)	449 (7.03)
MEX	1071650	0.45	1066861	390 (4.13)	. (.)	297 (12.16)	285 (29.95)	356 (12.75)
NLD	184943	3.09	179228	531 (3.34)	. (.)	521 (9.80)	450 (9.99)	459 (8.39)
NZL	48638	0.69	48300	536 (2.33)	. (.)	. (.)	516 (6.32)	. (.)
NOR	52816	0.77	52407	496 (2.53)	. (.)	. (.)	439 (9.75)	406 (10.72)
POL	534900	.	534900	487 (2.73)	. (.)	. (.)	. (.)	427 (35.10)
PRT	96857	0.23	96637	472 (3.86)	. (.)	. (.)	398 (18.70)	428 (7.91)
SVK	77067	0.05	77029	496 (2.97)	421 (17.61)	. (.)	414 (27.45)	426 (15.88)
ESP	344372	0.07	344114	483 (3.04)	482 (4.16)	. (.)	480 (15.33)	. (.)
SWE	107104	0.25	106836	517 (2.17)	. (.)	. (.)	456 (9.33)	454 (7.50)
CHE	86491	0.14	86370	535 (3.30)	477 (13.19)	505 (15.95)	453 (6.65)	463 (7.44)
TUR	481279	0.03	481137	409 (5.99)	. (.)	350 (16.20)	347 (13.10)	. (.)
GBR	698579	3.63	673243	512 (2.53)	. (.)	463 (23.02)	489 (11.75)	453 (9.05)
USA	3147089	0.76	3123066	484 (2.97)	. (.)	. (.)	440 (7.17)	401 (10.82)
TOT	.	1.34	.	495 (1.15)	485 (3.35)	416 (10.26)	449 (4.12)	441 (4.90)
AVG	.	1.19	.	505 (0.69)	499 (1.69)	469 (6.59)	465 (1.88)	451 (2.22)
HKG	72484	0.21	72334	555 (4.16)	. (.)	511 (7.95)	473 (9.77)	514 (10.18)
IDN	1971476	0.00	1971400	368 (5.33)	. (.)	359 (3.52)	362 (14.76)	340 (5.92)
LVA	33643	0.24	33561	486 (3.88)	. (.)	. (.)	456 (8.81)	441 (10.11)
LIE	338	.	338	545 (4.94)	. (.)	. (.)	505 (11.56)	468 (15.27)
MAC	6546	.	6546	534 (3.01)	526 (8.20)	549 (15.64)	493 (13.65)	513 (18.39)
RUS	2153373	0.02	2152991	482 (4.35)	. (.)	. (.)	421 (13.32)	474 (17.83)
YUG	68596	0.51	68244	421 (3.36)	. (.)	. (.)	407 (13.40)	389 (11.90)
THA	637076	.	637076	446 (4.49)	. (.)	409 (2.52)	. (.)	396 (10.52)
TUN	150875	0.17	150624	298 (15.05)	. (.)	345 (2.18)	. (.)	359 (10.21)
URY	33775	0.15	33724	414 (3.71)	. (.)	. (.)	345 (16.74)	347 (13.40)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A desk to study at

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	90.35	(0.39)	9.55	(0.38)	0.10	(.)
AUT	85931	1.08	85003	96.59	(0.30)	3.41	(0.30)	.	(.)
BEL	111831	1.79	109825	93.67	(0.38)	6.19	(0.38)	0.14	(.)
CAN	330436	9.70	298375	86.39	(0.41)	13.52	(0.41)	0.09	(.)
CZE	121183	4.06	116257	98.16	(0.24)	1.65	(0.22)	0.19	(.)
DNK	51741	0.65	51406	85.41	(0.74)	14.57	(0.74)	0.02	(.)
FIN	57884	0.07	57845	94.27	(0.34)	5.67	(0.33)	0.06	(.)
FRA	734579	0.87	728167	97.89	(0.27)	2.09	(0.27)	0.02	(.)
DEU	884358	5.57	835070	94.95	(0.38)	4.91	(0.37)	0.14	(.)
GRC	105131	0.13	104991	92.39	(0.51)	7.40	(0.49)	0.21	(.)
HUN	107044	0.06	106984	96.34	(0.35)	3.27	(0.33)	0.39	(.)
ISL	3928	0.63	3903	95.13	(0.46)	4.81	(0.46)	0.06	(.)
IRL	54850	1.03	54285	81.55	(0.83)	18.31	(0.82)	0.14	(.)
ITA	481521	0.39	479638	93.54	(0.39)	6.41	(0.39)	0.04	(.)
JPN	1240054	0.10	1238855	94.15	(0.62)	5.20	(0.40)	0.65	(0.45)
KOR	533504	0.02	533396	97.46	(0.21)	2.30	(0.21)	0.24	(.)
LUX	4080	0.10	4076	96.00	(0.30)	3.64	(0.28)	0.36	(.)
MEX	1071650	0.37	1067674	68.53	(1.20)	31.24	(1.20)	0.22	(.)
NLD	184943	3.15	179126	92.47	(0.61)	7.45	(0.61)	0.07	(.)
NZL	48638	0.69	48300	83.25	(0.71)	16.72	(0.71)	0.02	(.)
NOR	52816	0.77	52407	94.91	(0.36)	4.97	(0.35)	0.12	(.)
POL	534900	.	534900	90.64	(0.57)	9.29	(0.57)	0.08	(.)
PRT	96857	0.23	96637	89.32	(0.71)	10.56	(0.71)	0.12	(.)
SVK	77067	0.17	76935	94.83	(0.54)	5.11	(0.54)	0.06	(.)
ESP	344372	0.07	344114	96.53	(0.23)	3.43	(0.23)	0.04	(.)
SWE	107104	0.23	106861	86.12	(0.55)	13.82	(0.55)	0.06	(.)
CHE	86491	0.14	86370	94.12	(0.39)	5.61	(0.39)	0.27	(.)
TUR	481279	0.03	481137	80.82	(1.25)	19.08	(1.23)	0.09	(.)
GBR	698579	3.63	673243	85.45	(0.55)	14.44	(0.53)	0.11	(.)
USA	3147089	0.76	3123066	79.30	(0.72)	20.60	(0.71)	0.10	(.)
TOT	.	1.34	.	86.77	(0.26)	13.06	(0.26)	0.17	(0.05)
AVG	.	1.23	.	90.69	(0.13)	9.17	(0.12)	0.14	(0.02)
HKG	72484	0.23	72319	87.68	(0.62)	12.19	(0.61)	0.13	(.)
IDN	1971476	0.14	1968808	77.44	(0.87)	22.38	(0.86)	0.18	(.)
LVA	33643	0.22	33570	96.12	(0.42)	3.76	(0.41)	0.11	(.)
LIE	338	.	338	92.46	(1.38)	7.23	(.)	0.31	(.)
MAC	6546	.	6546	87.51	(1.17)	12.49	(1.17)	.	(.)
RUS	2153373	0.02	2152991	93.83	(0.41)	6.05	(0.41)	0.12	(.)
YUG	68596	0.51	68244	87.95	(0.66)	11.93	(0.65)	0.12	(.)
THA	637076	.	637076	77.86	(0.98)	22.14	(0.98)	.	(.)
TUN	150875	0.21	150560	54.93	(1.33)	44.96	(1.33)	0.11	(.)
URY	33775	0.15	33724	76.51	(0.93)	23.43	(0.93)	0.06	(.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A desk to study at

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.08)	487 (4.90)	. (.)
AUT	85931	1.08	85003	495 (3.53)	450 (11.04)	. (.)
BEL	111831	1.79	109825	518 (2.59)	405 (10.22)	. (.)
CAN	330436	9.70	298375	536 (1.59)	503 (2.65)	. (.)
CZE	121183	4.06	116257	497 (2.79)	447 (15.32)	. (.)
DNK	51741	0.65	51406	500 (2.63)	452 (4.90)	. (.)
FIN	57884	0.07	57845	545 (1.56)	521 (6.31)	. (.)
FRA	734579	0.87	728167	499 (2.63)	418 (15.73)	. (.)
DEU	884358	5.57	835070	504 (3.43)	444 (9.71)	. (.)
GRC	105131	0.13	104991	478 (3.98)	408 (8.32)	. (.)
HUN	107044	0.06	106984	484 (2.44)	428 (9.20)	. (.)
ISL	3928	0.63	3903	493 (1.56)	484 (8.34)	. (.)
IRL	54850	1.03	54285	522 (2.69)	485 (5.04)	. (.)
ITA	481521	0.39	479638	479 (2.88)	429 (7.66)	. (.)
JPN	1240054	0.10	1238855	502 (3.76)	426 (9.18)	497 (101.2)
KOR	533504	0.02	533396	535 (3.06)	482 (10.13)	. (.)
LUX	4080	0.10	4076	482 (1.49)	413 (10.54)	. (.)
MEX	1071650	0.37	1067674	415 (4.16)	367 (4.60)	. (.)
NLD	184943	3.15	179126	522 (2.70)	463 (6.21)	. (.)
NZL	48638	0.69	48300	530 (2.53)	485 (4.84)	. (.)
NOR	52816	0.77	52407	503 (2.75)	459 (8.83)	. (.)
POL	534900	.	534900	500 (2.77)	463 (5.91)	. (.)
PRT	96857	0.23	96637	485 (3.45)	422 (6.53)	. (.)
SVK	77067	0.17	76935	474 (2.72)	372 (9.03)	. (.)
ESP	344372	0.07	344114	483 (2.60)	423 (8.99)	. (.)
SWE	107104	0.23	106861	521 (2.24)	477 (5.89)	. (.)
CHE	86491	0.14	86370	501 (3.32)	463 (6.26)	. (.)
TUR	481279	0.03	481137	452 (6.20)	395 (5.70)	. (.)
GBR	698579	3.63	673243	513 (2.70)	466 (4.69)	. (.)
USA	3147089	0.76	3123066	505 (2.96)	460 (5.00)	. (.)
TOT	.	1.34	.	497 (1.07)	435 (2.46)	404 (62.08)
AVG	.	1.23	.	500 (0.60)	444 (1.63)	402 (25.60)
HKG	72484	0.23	72319	513 (3.47)	488 (7.43)	. (.)
IDN	1971476	0.14	1968808	385 (3.65)	371 (3.63)	. (.)
LVA	33643	0.22	33570	493 (3.49)	430 (12.26)	. (.)
LIE	338	.	338	529 (3.82)	. (.)	. (.)
MAC	6546	.	6546	499 (2.23)	490 (7.13)	. (.)
RUS	2153373	0.02	2152991	444 (3.94)	415 (7.87)	. (.)
YUG	68596	0.51	68244	417 (3.52)	376 (4.71)	. (.)
THA	637076	.	637076	427 (3.27)	396 (3.29)	. (.)
TUN	150875	0.21	150560	389 (3.91)	357 (3.15)	. (.)
URY	33775	0.15	33724	447 (3.52)	394 (5.54)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A desk to study at

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.11)	481 (5.98)	. (.)
AUT	85931	1.08	85003	509 (3.17)	470 (11.37)	. (.)
BEL	111831	1.79	109825	539 (2.37)	435 (7.12)	. (.)
CAN	330436	9.70	298375	540 (1.64)	509 (2.87)	. (.)
CZE	121183	4.06	116257	523 (3.22)	469 (14.65)	. (.)
DNK	51741	0.65	51406	522 (2.72)	475 (4.62)	. (.)
FIN	57884	0.07	57845	546 (1.86)	526 (5.87)	. (.)
FRA	734579	0.87	728167	513 (2.40)	443 (12.94)	. (.)
DEU	884358	5.57	835070	514 (3.40)	454 (8.51)	. (.)
GRC	105131	0.13	104991	451 (3.81)	378 (6.45)	. (.)
HUN	107044	0.06	106984	492 (2.80)	432 (10.66)	. (.)
ISL	3928	0.63	3903	516 (1.46)	497 (7.16)	. (.)
IRL	54850	1.03	54285	509 (2.55)	475 (3.93)	. (.)
ITA	481521	0.39	479638	468 (2.98)	428 (7.48)	. (.)
JPN	1240054	0.10	1238855	537 (3.99)	473 (8.84)	559 (73.77)
KOR	533504	0.02	533396	544 (3.24)	484 (9.56)	. (.)
LUX	4080	0.10	4076	495 (0.93)	439 (8.31)	. (.)
MEX	1071650	0.37	1067674	399 (3.66)	356 (3.73)	. (.)
NLD	184943	3.15	179126	548 (2.88)	480 (6.20)	. (.)
NZL	48638	0.69	48300	532 (2.27)	487 (4.10)	. (.)
NOR	52816	0.77	52407	498 (2.39)	449 (7.43)	. (.)
POL	534900	.	534900	494 (2.38)	456 (5.30)	. (.)
PRT	96857	0.23	96637	472 (3.18)	415 (5.45)	. (.)
SVK	77067	0.17	76935	504 (2.88)	396 (10.79)	. (.)
ESP	344372	0.07	344114	487 (2.40)	430 (8.00)	. (.)
SWE	107104	0.23	106861	515 (2.45)	472 (5.47)	. (.)
CHE	86491	0.14	86370	529 (3.38)	489 (6.61)	. (.)
TUR	481279	0.03	481137	436 (7.31)	371 (5.25)	. (.)
GBR	698579	3.63	673243	515 (2.63)	467 (4.34)	. (.)
USA	3147089	0.76	3123066	493 (2.83)	448 (4.19)	. (.)
TOT	.	1.34	.	499 (0.98)	429 (2.14)	457 (54.40)
AVG	.	1.23	.	507 (0.59)	444 (1.61)	444 (23.36)
HKG	72484	0.23	72319	554 (4.40)	527 (8.14)	. (.)
IDN	1971476	0.14	1968808	363 (4.22)	351 (4.66)	. (.)
LVA	33643	0.22	33570	486 (3.59)	428 (10.63)	. (.)
LIE	338	.	338	540 (4.29)	. (.)	. (.)
MAC	6546	.	6546	528 (2.97)	524 (9.80)	. (.)
RUS	2153373	0.02	2152991	470 (4.18)	445 (6.99)	. (.)
YUG	68596	0.51	68244	442 (3.77)	403 (4.71)	. (.)
THA	637076	.	637076	423 (3.43)	395 (3.12)	. (.)
TUN	150875	0.21	150560	373 (3.59)	341 (2.36)	. (.)
URY	33775	0.15	33724	434 (3.51)	384 (4.26)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A desk to study at

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.07)	483 (5.05)	. (.)
AUT	85931	1.08	85003	494 (3.38)	456 (10.69)	. (.)
BEL	111831	1.79	109825	518 (2.49)	414 (8.41)	. (.)
CAN	330436	9.70	298375	527 (1.87)	492 (2.96)	. (.)
CZE	121183	4.06	116257	529 (3.08)	476 (15.37)	. (.)
DNK	51741	0.65	51406	483 (2.86)	433 (5.08)	. (.)
FIN	57884	0.07	57845	550 (1.89)	523 (6.80)	. (.)
FRA	734579	0.87	728167	514 (2.95)	433 (16.70)	. (.)
DEU	884358	5.57	835070	514 (3.67)	458 (8.83)	. (.)
GRC	105131	0.13	104991	487 (3.75)	416 (7.78)	. (.)
HUN	107044	0.06	106984	505 (2.74)	455 (10.47)	. (.)
ISL	3928	0.63	3903	497 (1.51)	471 (8.79)	. (.)
IRL	54850	1.03	54285	513 (2.69)	472 (4.80)	. (.)
ITA	481521	0.39	479638	489 (3.03)	448 (8.40)	. (.)
JPN	1240054	0.10	1238855	552 (4.08)	476 (9.08)	554 (72.03)
KOR	533504	0.02	533396	540 (3.55)	487 (12.08)	. (.)
LUX	4080	0.10	4076	485 (1.46)	420 (10.93)	. (.)
MEX	1071650	0.37	1067674	417 (3.52)	378 (3.60)	. (.)
NLD	184943	3.15	179126	533 (3.10)	465 (7.13)	. (.)
NZL	48638	0.69	48300	529 (2.46)	483 (4.35)	. (.)
NOR	52816	0.77	52407	488 (2.85)	434 (8.21)	. (.)
POL	534900	.	534900	502 (2.78)	459 (6.14)	. (.)
PRT	96857	0.23	96637	475 (3.21)	412 (5.86)	. (.)
SVK	77067	0.17	76935	501 (3.09)	392 (13.61)	. (.)
ESP	344372	0.07	344114	489 (2.63)	434 (9.31)	. (.)
SWE	107104	0.23	106861	513 (2.60)	467 (6.59)	. (.)
CHE	86491	0.14	86370	516 (3.76)	469 (6.48)	. (.)
TUR	481279	0.03	481137	445 (6.39)	390 (5.12)	. (.)
GBR	698579	3.63	673243	525 (2.79)	477 (4.83)	. (.)
USA	3147089	0.76	3123066	501 (2.95)	458 (4.25)	. (.)
TOT	.	1.34	.	505 (1.01)	439 (2.11)	462 (51.45)
AVG	.	1.23	.	506 (0.58)	445 (1.48)	445 (22.82)
HKG	72484	0.23	72319	543 (4.14)	515 (7.69)	. (.)
IDN	1971476	0.14	1968808	398 (3.48)	384 (3.66)	. (.)
LVA	33643	0.22	33570	491 (3.79)	436 (11.31)	. (.)
LIE	338	.	338	529 (4.46)	. (.)	. (.)
MAC	6546	.	6546	525 (3.20)	523 (10.34)	. (.)
RUS	2153373	0.02	2152991	491 (4.20)	468 (7.03)	. (.)
YUG	68596	0.51	68244	441 (3.57)	405 (4.22)	. (.)
THA	637076	.	637076	437 (3.12)	402 (2.99)	. (.)
TUN	150875	0.21	150560	396 (3.71)	371 (2.69)	. (.)
URY	33775	0.15	33724	450 (3.22)	403 (4.22)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A desk to study at

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (1.94)	492 (5.18)	. (.)
AUT	85931	1.08	85003	509 (3.05)	479 (10.19)	. (.)
BEL	111831	1.79	109825	534 (2.26)	438 (7.45)	. (.)
CAN	330436	9.70	298375	537 (1.59)	510 (3.03)	. (.)
CZE	121183	4.06	116257	523 (3.08)	471 (13.89)	. (.)
DNK	51741	0.65	51406	523 (2.44)	481 (4.44)	. (.)
FIN	57884	0.07	57845	549 (1.85)	530 (6.73)	. (.)
FRA	734579	0.87	728167	522 (2.57)	450 (14.71)	. (.)
DEU	884358	5.57	835070	522 (3.32)	470 (8.04)	. (.)
GRC	105131	0.13	104991	454 (3.94)	387 (8.37)	. (.)
HUN	107044	0.06	106984	503 (2.83)	443 (10.14)	. (.)
ISL	3928	0.63	3903	506 (1.41)	492 (6.40)	. (.)
IRL	54850	1.03	54285	504 (2.47)	474 (3.85)	. (.)
ITA	481521	0.39	479638	473 (2.90)	427 (8.58)	. (.)
JPN	1240054	0.10	1238855	551 (3.99)	483 (9.84)	530 (87.44)
KOR	533504	0.02	533396	552 (3.05)	504 (8.43)	. (.)
LUX	4080	0.10	4076	495 (1.41)	445 (9.75)	. (.)
MEX	1071650	0.37	1067674	400 (4.40)	352 (4.44)	. (.)
NLD	184943	3.15	179126	528 (2.92)	460 (6.88)	. (.)
NZL	48638	0.69	48300	541 (2.21)	496 (4.22)	. (.)
NOR	52816	0.77	52407	493 (2.64)	443 (8.56)	. (.)
POL	534900	.	534900	490 (2.67)	460 (5.51)	. (.)
PRT	96857	0.23	96637	477 (3.55)	412 (6.75)	. (.)
SVK	77067	0.17	76935	497 (2.89)	388 (11.50)	. (.)
ESP	344372	0.07	344114	484 (2.71)	429 (8.95)	. (.)
SWE	107104	0.23	106861	515 (2.35)	474 (5.09)	. (.)
CHE	86491	0.14	86370	523 (3.08)	487 (6.06)	. (.)
TUR	481279	0.03	481137	419 (6.42)	361 (5.70)	. (.)
GBR	698579	3.63	673243	516 (2.63)	471 (4.50)	. (.)
USA	3147089	0.76	3123066	487 (3.01)	443 (4.28)	. (.)
TOT	.	1.34	.	500 (1.04)	427 (2.32)	430 (58.66)
AVG	.	1.23	.	506 (0.59)	444 (1.80)	431 (24.25)
HKG	72484	0.23	72319	551 (4.06)	529 (8.37)	. (.)
IDN	1971476	0.14	1968808	364 (3.57)	354 (3.74)	. (.)
LVA	33643	0.22	33570	485 (3.78)	424 (11.65)	. (.)
LIE	338	.	338	534 (4.21)	. (.)	. (.)
MAC	6546	.	6546	533 (2.78)	525 (9.74)	. (.)
RUS	2153373	0.02	2152991	480 (4.57)	455 (8.07)	. (.)
YUG	68596	0.51	68244	425 (3.25)	387 (5.16)	. (.)
THA	637076	.	637076	431 (3.18)	403 (3.33)	. (.)
TUN	150875	0.21	150560	360 (2.96)	327 (2.22)	. (.)
URY	33775	0.15	33724	424 (3.96)	368 (4.88)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A room of your own

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	90.81 (0.42)	9.09 (0.42)	0.10 (.)
AUT	85931	1.08	85003	89.00 (0.62)	11.00 (0.62)	. (.)
BEL	111831	1.79	109825	92.05 (0.48)	7.81 (0.48)	0.14 (.)
CAN	330436	9.70	298375	92.78 (0.41)	7.13 (0.42)	0.09 (.)
CZE	121183	4.06	116257	66.52 (0.82)	33.31 (0.82)	0.17 (.)
DNK	51741	0.65	51406	96.95 (0.38)	3.03 (0.38)	0.02 (.)
FIN	57884	0.07	57845	92.05 (0.38)	7.89 (0.38)	0.06 (.)
FRA	734579	0.87	728167	84.59 (0.99)	15.39 (1.00)	0.02 (.)
DEU	884358	5.57	835070	91.93 (0.55)	7.93 (0.54)	0.14 (.)
GRC	105131	0.13	104991	84.16 (0.68)	15.70 (0.67)	0.13 (.)
HUN	107044	0.06	106984	82.76 (0.59)	16.85 (0.60)	0.39 (.)
ISL	3928	0.63	3903	93.37 (0.40)	6.54 (0.40)	0.09 (.)
IRL	54850	1.03	54285	79.57 (0.71)	20.29 (0.70)	0.14 (.)
ITA	481521	0.39	479638	61.78 (0.86)	38.17 (0.87)	0.04 (.)
JPN	1240054	0.10	1238855	88.17 (0.77)	11.18 (0.59)	0.65 (0.45)
KOR	533504	0.02	533396	77.53 (0.66)	22.23 (0.67)	0.24 (.)
LUX	4080	0.10	4076	93.52 (0.35)	6.09 (0.32)	0.38 (.)
MEX	1071650	0.37	1067674	45.38 (1.14)	54.39 (1.15)	0.22 (.)
NLD	184943	3.15	179126	96.59 (0.42)	3.33 (0.41)	0.07 (.)
NZL	48638	0.69	48300	90.60 (0.52)	9.36 (0.52)	0.04 (.)
NOR	52816	0.77	52407	97.85 (0.26)	2.06 (0.24)	0.09 (.)
POL	534900	.	534900	74.02 (0.85)	25.91 (0.84)	0.08 (.)
PRT	96857	0.23	96637	78.38 (0.96)	21.50 (0.96)	0.12 (.)
SVK	77067	0.17	76935	67.36 (0.87)	32.59 (0.87)	0.05 (.)
ESP	344372	0.07	344114	81.36 (0.54)	18.60 (0.55)	0.04 (.)
SWE	107104	0.23	106861	95.48 (0.53)	4.46 (0.52)	0.06 (.)
CHE	86491	0.14	86370	89.62 (0.48)	10.09 (0.48)	0.29 (.)
TUR	481279	0.03	481137	69.00 (1.49)	30.90 (1.47)	0.09 (.)
GBR	698579	3.63	673243	87.81 (0.47)	12.07 (0.47)	0.11 (.)
USA	3147089	0.76	3123066	87.28 (0.57)	12.62 (0.57)	0.10 (.)
TOT	.	1.34	.	80.96 (0.26)	18.87 (0.25)	0.17 (0.05)
AVG	.	1.23	.	83.89 (0.14)	15.97 (0.14)	0.14 (0.02)
HKG	72484	0.21	72334	63.19 (1.09)	36.68 (1.08)	0.13 (.)
IDN	1971476	0.14	1968808	83.06 (0.66)	16.76 (0.65)	0.18 (.)
LVA	33643	0.22	33570	75.16 (0.86)	24.70 (0.87)	0.13 (.)
LIE	338	.	338	93.97 (1.34)	5.72 (.)	0.31 (.)
MAC	6546	.	6546	63.19 (1.67)	36.81 (1.67)	. (.)
RUS	2153373	0.02	2152991	69.86 (0.98)	30.04 (0.98)	0.10 (.)
YUG	68596	0.51	68244	90.08 (0.45)	9.80 (0.45)	0.12 (.)
THA	637076	.	637076	67.06 (1.06)	32.94 (1.06)	. (.)
TUN	150875	0.21	150560	48.59 (0.94)	51.31 (0.95)	0.11 (.)
URY	33775	0.15	33724	58.83 (0.74)	41.10 (0.74)	0.06 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A room of your own

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.25)	498 (4.63)	. (.)
AUT	85931	1.08	85003	496 (3.57)	474 (7.32)	. (.)
BEL	111831	1.79	109825	516 (2.80)	452 (7.69)	. (.)
CAN	330436	9.70	298375	533 (1.54)	513 (5.57)	. (.)
CZE	121183	4.06	116257	496 (2.91)	497 (3.73)	. (.)
DNK	51741	0.65	51406	494 (2.69)	446 (14.17)	. (.)
FIN	57884	0.07	57845	544 (1.65)	539 (4.59)	. (.)
FRA	734579	0.87	728167	505 (2.60)	454 (6.49)	. (.)
DEU	884358	5.57	835070	508 (3.44)	423 (7.60)	. (.)
GRC	105131	0.13	104991	474 (4.10)	468 (5.87)	. (.)
HUN	107044	0.06	106984	484 (2.57)	469 (3.93)	. (.)
ISL	3928	0.63	3903	495 (1.73)	452 (6.72)	. (.)
IRL	54850	1.03	54285	519 (2.82)	499 (3.85)	. (.)
ITA	481521	0.39	479638	481 (3.25)	468 (3.97)	. (.)
JPN	1240054	0.10	1238855	498 (3.90)	500 (6.46)	497 (101.2)
KOR	533504	0.02	533396	538 (3.21)	522 (4.13)	. (.)
LUX	4080	0.10	4076	484 (1.54)	418 (7.08)	. (.)
MEX	1071650	0.37	1067674	410 (4.94)	392 (4.06)	. (.)
NLD	184943	3.15	179126	518 (2.70)	495 (10.02)	. (.)
NZL	48638	0.69	48300	524 (2.57)	504 (5.67)	. (.)
NOR	52816	0.77	52407	501 (2.78)	476 (13.07)	. (.)
POL	534900	.	534900	500 (2.94)	487 (3.95)	. (.)
PRT	96857	0.23	96637	480 (3.73)	469 (5.75)	. (.)
SVK	77067	0.17	76935	471 (3.46)	466 (3.46)	. (.)
ESP	344372	0.07	344114	484 (2.49)	465 (4.55)	. (.)
SWE	107104	0.23	106861	518 (2.25)	447 (12.02)	. (.)
CHE	86491	0.14	86370	505 (3.31)	447 (6.51)	. (.)
TUR	481279	0.03	481137	455 (6.50)	409 (5.19)	. (.)
GBR	698579	3.63	673243	510 (2.78)	479 (4.25)	. (.)
USA	3147089	0.76	3123066	501 (3.22)	459 (5.48)	. (.)
TOT	.	1.34	.	498 (1.20)	449 (1.66)	405 (62.24)
AVG	.	1.23	.	501 (0.63)	463 (1.10)	406 (25.35)
HKG	72484	0.21	72334	509 (4.58)	511 (3.77)	. (.)
IDN	1971476	0.14	1968808	383 (3.51)	376 (4.46)	. (.)
LVA	33643	0.22	33570	491 (3.85)	489 (4.33)	. (.)
LIE	338	.	338	528 (3.72)	. (.)	. (.)
MAC	6546	.	6546	493 (3.19)	506 (4.30)	. (.)
RUS	2153373	0.02	2152991	445 (3.90)	436 (5.16)	. (.)
YUG	68596	0.51	68244	411 (3.60)	426 (6.22)	. (.)
THA	637076	.	637076	424 (3.09)	412 (3.34)	. (.)
TUN	150875	0.21	150560	380 (4.00)	370 (2.65)	. (.)
URY	33775	0.15	33724	435 (4.10)	433 (4.20)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A room of your own

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.14)	500 (4.92)	. (.)
AUT	85931	1.08	85003	510 (3.14)	487 (6.80)	. (.)
BEL	111831	1.79	109825	538 (2.44)	478 (6.83)	. (.)
CAN	330436	9.70	298375	537 (1.60)	528 (4.87)	. (.)
CZE	121183	4.06	116257	523 (3.31)	520 (3.97)	. (.)
DNK	51741	0.65	51406	516 (2.63)	470 (10.57)	. (.)
FIN	57884	0.07	57845	546 (1.82)	532 (4.90)	. (.)
FRA	734579	0.87	728167	520 (2.34)	467 (5.64)	. (.)
DEU	884358	5.57	835070	517 (3.44)	448 (7.21)	. (.)
GRC	105131	0.13	104991	449 (3.94)	426 (5.31)	. (.)
HUN	107044	0.06	106984	493 (3.01)	477 (4.13)	. (.)
ISL	3928	0.63	3903	517 (1.53)	494 (6.11)	. (.)
IRL	54850	1.03	54285	507 (2.62)	486 (3.79)	. (.)
ITA	481521	0.39	479638	473 (3.09)	454 (3.91)	. (.)
JPN	1240054	0.10	1238855	534 (4.03)	533 (6.35)	559 (73.77)
KOR	533504	0.02	533396	546 (3.43)	527 (4.01)	. (.)
LUX	4080	0.10	4076	496 (0.94)	450 (6.08)	. (.)
MEX	1071650	0.37	1067674	398 (4.09)	375 (3.70)	. (.)
NLD	184943	3.15	179126	543 (2.84)	522 (10.61)	. (.)
NZL	48638	0.69	48300	526 (2.32)	505 (5.51)	. (.)
NOR	52816	0.77	52407	497 (2.37)	449 (11.22)	. (.)
POL	534900	.	534900	494 (2.58)	480 (3.59)	. (.)
PRT	96857	0.23	96637	470 (3.16)	451 (5.84)	. (.)
SVK	77067	0.17	76935	500 (3.57)	495 (3.89)	. (.)
ESP	344372	0.07	344114	488 (2.42)	471 (3.55)	. (.)
SWE	107104	0.23	106861	512 (2.51)	458 (10.20)	. (.)
CHE	86491	0.14	86370	532 (3.43)	479 (6.03)	. (.)
TUR	481279	0.03	481137	438 (7.81)	392 (5.24)	. (.)
GBR	698579	3.63	673243	511 (2.74)	482 (4.31)	. (.)
USA	3147089	0.76	3123066	488 (3.06)	449 (4.84)	. (.)
TOT	.	1.34	.	500 (1.09)	445 (1.77)	457 (54.46)
AVG	.	1.23	.	508 (0.60)	465 (1.22)	450 (22.95)
HKG	72484	0.21	72334	552 (5.61)	549 (4.61)	. (.)
IDN	1971476	0.14	1968808	361 (4.07)	357 (4.39)	. (.)
LVA	33643	0.22	33570	484 (3.90)	481 (4.15)	. (.)
LIE	338	.	338	537 (4.16)	. (.)	. (.)
MAC	6546	.	6546	525 (3.84)	531 (4.52)	. (.)
RUS	2153373	0.02	2152991	469 (4.06)	466 (5.24)	. (.)
YUG	68596	0.51	68244	435 (3.72)	453 (5.64)	. (.)
THA	637076	.	637076	418 (3.49)	415 (3.29)	. (.)
TUN	150875	0.21	150560	365 (3.65)	353 (2.50)	. (.)
URY	33775	0.15	33724	424 (3.81)	419 (3.38)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A room of your own

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.14)	498 (5.18)	. (.)
AUT	85931	1.08	85003	497 (3.29)	462 (6.85)	. (.)
BEL	111831	1.79	109825	517 (2.63)	455 (6.76)	. (.)
CAN	330436	9.70	298375	525 (1.84)	494 (5.88)	. (.)
CZE	121183	4.06	116257	528 (3.24)	530 (3.96)	. (.)
DNK	51741	0.65	51406	477 (2.86)	429 (13.67)	. (.)
FIN	57884	0.07	57845	550 (1.90)	533 (5.84)	. (.)
FRA	734579	0.87	728167	522 (2.89)	461 (6.89)	. (.)
DEU	884358	5.57	835070	518 (3.64)	437 (7.86)	. (.)
GRC	105131	0.13	104991	486 (3.81)	459 (5.69)	. (.)
HUN	107044	0.06	106984	506 (2.91)	490 (4.12)	. (.)
ISL	3928	0.63	3903	497 (1.66)	471 (6.49)	. (.)
IRL	54850	1.03	54285	509 (2.81)	490 (4.21)	. (.)
ITA	481521	0.39	479638	495 (3.33)	473 (4.31)	. (.)
JPN	1240054	0.10	1238855	547 (4.14)	550 (7.46)	554 (72.03)
KOR	533504	0.02	533396	542 (3.68)	525 (4.51)	. (.)
LUX	4080	0.10	4076	486 (1.51)	437 (6.67)	. (.)
MEX	1071650	0.37	1067674	415 (4.00)	397 (3.58)	. (.)
NLD	184943	3.15	179126	529 (3.09)	504 (11.42)	. (.)
NZL	48638	0.69	48300	524 (2.53)	499 (5.62)	. (.)
NOR	52816	0.77	52407	486 (2.85)	445 (13.70)	. (.)
POL	534900	.	534900	502 (2.90)	485 (4.05)	. (.)
PRT	96857	0.23	96637	472 (3.36)	453 (5.65)	. (.)
SVK	77067	0.17	76935	496 (4.02)	493 (4.20)	. (.)
ESP	344372	0.07	344114	490 (2.58)	475 (4.49)	. (.)
SWE	107104	0.23	106861	509 (2.62)	443 (12.44)	. (.)
CHE	86491	0.14	86370	519 (3.79)	460 (6.44)	. (.)
TUR	481279	0.03	481137	447 (6.79)	405 (5.01)	. (.)
GBR	698579	3.63	673243	523 (2.87)	484 (4.59)	. (.)
USA	3147089	0.76	3123066	496 (3.12)	460 (5.01)	. (.)
TOT	.	1.34	.	506 (1.12)	455 (1.65)	462 (51.55)
AVG	.	1.23	.	506 (0.61)	469 (1.10)	448 (22.57)
HKG	72484	0.21	72334	540 (5.35)	539 (4.22)	. (.)
IDN	1971476	0.14	1968808	396 (3.34)	392 (3.71)	. (.)
LVA	33643	0.22	33570	491 (4.17)	486 (4.66)	. (.)
LIE	338	.	338	528 (4.26)	. (.)	. (.)
MAC	6546	.	6546	519 (4.07)	535 (4.67)	. (.)
RUS	2153373	0.02	2152991	491 (3.95)	484 (5.60)	. (.)
YUG	68596	0.51	68244	435 (3.51)	457 (5.59)	. (.)
THA	637076	.	637076	432 (3.20)	424 (2.99)	. (.)
TUN	150875	0.21	150560	384 (3.79)	386 (2.76)	. (.)
URY	33775	0.15	33724	442 (3.29)	434 (3.43)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A room of your own

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.98)	510 (4.99)	. (.)
AUT	85931	1.08	85003	510 (3.01)	487 (6.92)	. (.)
BEL	111831	1.79	109825	532 (2.39)	483 (7.08)	. (.)
CAN	330436	9.70	298375	534 (1.56)	524 (4.99)	. (.)
CZE	121183	4.06	116257	522 (3.14)	524 (4.00)	. (.)
DNK	51741	0.65	51406	519 (2.41)	468 (10.81)	. (.)
FIN	57884	0.07	57845	549 (1.85)	539 (4.77)	. (.)
FRA	734579	0.87	728167	529 (2.43)	472 (6.00)	. (.)
DEU	884358	5.57	835070	525 (3.34)	455 (7.76)	. (.)
GRC	105131	0.13	104991	451 (4.10)	438 (5.50)	. (.)
HUN	107044	0.06	106984	504 (2.96)	487 (4.40)	. (.)
ISL	3928	0.63	3903	506 (1.46)	490 (5.66)	. (.)
IRL	54850	1.03	54285	502 (2.58)	485 (3.70)	. (.)
ITA	481521	0.39	479638	475 (3.28)	462 (3.76)	. (.)
JPN	1240054	0.10	1238855	548 (4.10)	546 (7.15)	530 (87.44)
KOR	533504	0.02	533396	552 (3.31)	544 (4.19)	. (.)
LUX	4080	0.10	4076	497 (1.40)	437 (6.48)	. (.)
MEX	1071650	0.37	1067674	401 (4.76)	371 (4.50)	. (.)
NLD	184943	3.15	179126	524 (2.92)	496 (10.52)	. (.)
NZL	48638	0.69	48300	536 (2.21)	512 (5.21)	. (.)
NOR	52816	0.77	52407	492 (2.61)	436 (13.83)	. (.)
POL	534900	.	534900	488 (2.88)	484 (3.89)	. (.)
PRT	96857	0.23	96637	475 (3.60)	454 (6.64)	. (.)
SVK	77067	0.17	76935	493 (3.56)	490 (3.80)	. (.)
ESP	344372	0.07	344114	485 (2.75)	469 (4.26)	. (.)
SWE	107104	0.23	106861	511 (2.39)	466 (10.11)	. (.)
CHE	86491	0.14	86370	527 (2.99)	469 (6.57)	. (.)
TUR	481279	0.03	481137	422 (6.81)	376 (4.97)	. (.)
GBR	698579	3.63	673243	513 (2.68)	485 (3.98)	. (.)
USA	3147089	0.76	3123066	482 (3.18)	447 (5.02)	. (.)
TOT	.	1.34	.	501 (1.12)	446 (2.01)	431 (58.78)
AVG	.	1.23	.	507 (0.61)	466 (1.34)	436 (24.02)
HKG	72484	0.21	72334	547 (5.44)	551 (4.21)	. (.)
IDN	1971476	0.14	1968808	361 (3.44)	362 (3.98)	. (.)
LVA	33643	0.22	33570	484 (4.00)	479 (4.64)	. (.)
LIE	338	.	338	531 (4.14)	. (.)	. (.)
MAC	6546	.	6546	529 (4.00)	538 (4.57)	. (.)
RUS	2153373	0.02	2152991	479 (4.53)	478 (5.30)	. (.)
YUG	68596	0.51	68244	420 (3.34)	429 (5.44)	. (.)
THA	637076	.	637076	427 (3.10)	421 (2.97)	. (.)
TUN	150875	0.21	150560	347 (3.10)	343 (2.13)	. (.)
URY	33775	0.15	33724	415 (4.40)	405 (3.83)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A quiet place to study

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	83.35 (0.48)	16.56 (0.48)	0.09 (.)
AUT	85931	1.08	85003	91.43 (0.48)	8.57 (0.48)	. (.)
BEL	111831	1.79	109825	83.67 (0.56)	16.18 (0.56)	0.16 (.)
CAN	330436	9.70	298375	89.93 (0.34)	9.98 (0.34)	0.09 (.)
CZE	121183	4.06	116257	87.17 (0.61)	12.66 (0.60)	0.16 (.)
DNK	51741	0.65	51406	55.86 (0.94)	44.12 (0.94)	0.02 (.)
FIN	57884	0.07	57845	90.72 (0.43)	9.22 (0.42)	0.06 (.)
FRA	734579	0.87	728167	91.25 (0.55)	8.72 (0.56)	0.02 (.)
DEU	884358	5.57	835070	93.21 (0.45)	6.65 (0.45)	0.14 (.)
GRC	105131	0.13	104991	70.06 (0.87)	29.81 (0.86)	0.13 (.)
HUN	107044	0.06	106984	79.72 (0.65)	19.88 (0.66)	0.39 (.)
ISL	3928	0.63	3903	91.73 (0.43)	8.22 (0.43)	0.06 (.)
IRL	54850	1.03	54285	75.55 (0.81)	24.32 (0.79)	0.14 (.)
ITA	481521	0.39	479638	78.98 (0.59)	20.97 (0.59)	0.04 (.)
JPN	1240054	0.10	1238855	72.41 (0.93)	26.94 (0.81)	0.65 (0.45)
KOR	533504	0.02	533396	72.41 (0.77)	27.35 (0.77)	0.24 (.)
LUX	4080	0.10	4076	92.74 (0.43)	6.86 (0.42)	0.40 (.)
MEX	1071650	0.37	1067674	54.41 (1.08)	45.37 (1.08)	0.22 (.)
NLD	184943	3.15	179126	83.76 (0.73)	16.17 (0.73)	0.07 (.)
NZL	48638	0.69	48300	81.26 (0.72)	18.70 (0.71)	0.04 (.)
NOR	52816	0.77	52407	91.68 (0.48)	8.22 (0.47)	0.09 (.)
POL	534900	.	534900	93.54 (0.37)	6.39 (0.37)	0.08 (.)
PRT	96857	0.23	96637	89.82 (0.49)	10.06 (0.49)	0.12 (.)
SVK	77067	0.17	76935	77.15 (0.77)	22.80 (0.76)	0.05 (.)
ESP	344372	0.07	344114	85.57 (0.51)	14.39 (0.50)	0.04 (.)
SWE	107104	0.23	106861	81.80 (0.70)	18.14 (0.70)	0.06 (.)
CHE	86491	0.14	86370	86.00 (0.45)	13.68 (0.46)	0.31 (.)
TUR	481279	0.03	481137	76.16 (1.18)	23.74 (1.16)	0.09 (.)
GBR	698579	3.63	673243	79.67 (0.57)	20.22 (0.56)	0.11 (.)
USA	3147089	0.76	3123066	83.32 (0.54)	16.58 (0.54)	0.10 (.)
TOT	.	1.34	.	80.19 (0.25)	19.63 (0.25)	0.17 (0.05)
AVG	.	1.23	.	82.09 (0.14)	17.77 (0.14)	0.14 (0.02)
HKG	72484	0.21	72334	69.99 (0.93)	29.88 (0.93)	0.13 (.)
IDN	1971476	0.14	1968808	57.85 (1.03)	41.97 (1.03)	0.18 (.)
LVA	33643	0.22	33570	79.75 (1.03)	20.14 (1.02)	0.11 (.)
LIE	338	.	338	84.06 (1.94)	15.33 (1.85)	0.61 (.)
MAC	6546	.	6546	72.30 (1.48)	27.70 (1.48)	. (.)
RUS	2153373	0.02	2152991	64.12 (0.85)	35.78 (0.86)	0.10 (.)
YUG	68596	0.51	68244	86.79 (0.66)	13.12 (0.66)	0.09 (.)
THA	637076	.	637076	66.39 (1.06)	33.61 (1.06)	. (.)
TUN	150875	0.21	150560	66.52 (0.91)	33.37 (0.90)	0.11 (.)
URY	33775	0.15	33724	82.81 (0.70)	17.12 (0.69)	0.06 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A quiet place to study

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (2.19)	498 (3.79)	. (.)
AUT	85931	1.08	85003	496 (3.50)	463 (6.47)	. (.)
BEL	111831	1.79	109825	520 (2.62)	461 (5.62)	. (.)
CAN	330436	9.70	298375	535 (1.64)	499 (3.38)	. (.)
CZE	121183	4.06	116257	499 (2.74)	475 (4.90)	. (.)
DNK	51741	0.65	51406	505 (2.81)	477 (3.37)	. (.)
FIN	57884	0.07	57845	546 (1.64)	515 (4.85)	. (.)
FRA	734579	0.87	728167	501 (2.63)	455 (7.00)	. (.)
DEU	884358	5.57	835070	505 (3.35)	440 (8.97)	. (.)
GRC	105131	0.13	104991	478 (4.49)	460 (4.18)	. (.)
HUN	107044	0.06	106984	485 (2.63)	467 (4.23)	. (.)
ISL	3928	0.63	3903	496 (1.67)	459 (7.01)	. (.)
IRL	54850	1.03	54285	524 (2.85)	488 (3.83)	. (.)
ITA	481521	0.39	479638	485 (2.90)	443 (4.40)	. (.)
JPN	1240054	0.10	1238855	508 (3.79)	474 (5.35)	497 (101.2)
KOR	533504	0.02	533396	542 (3.29)	513 (3.88)	. (.)
LUX	4080	0.10	4076	483 (1.48)	439 (7.80)	. (.)
MEX	1071650	0.37	1067674	416 (4.76)	381 (3.93)	. (.)
NLD	184943	3.15	179126	525 (2.68)	480 (5.56)	. (.)
NZL	48638	0.69	48300	532 (2.44)	480 (4.88)	. (.)
NOR	52816	0.77	52407	505 (2.86)	454 (7.03)	. (.)
POL	534900	.	534900	499 (2.83)	470 (6.45)	. (.)
PRT	96857	0.23	96637	482 (3.48)	439 (7.49)	. (.)
SVK	77067	0.17	76935	478 (2.52)	440 (6.28)	. (.)
ESP	344372	0.07	344114	485 (2.61)	457 (5.26)	. (.)
SWE	107104	0.23	106861	522 (2.34)	483 (5.59)	. (.)
CHE	86491	0.14	86370	505 (3.26)	463 (5.34)	. (.)
TUR	481279	0.03	481137	452 (6.13)	406 (5.55)	. (.)
GBR	698579	3.63	673243	517 (3.07)	467 (3.10)	. (.)
USA	3147089	0.76	3123066	505 (3.09)	450 (5.74)	. (.)
TOT	.	1.34	.	499 (1.15)	445 (1.93)	405 (62.27)
AVG	.	1.23	.	503 (0.62)	460 (1.09)	405 (25.26)
HKG	72484	0.21	72334	515 (3.77)	498 (4.57)	. (.)
IDN	1971476	0.14	1968808	388 (3.91)	373 (3.25)	. (.)
LVA	33643	0.22	33570	495 (3.58)	475 (5.13)	. (.)
LIE	338	.	338	530 (4.37)	499 (12.77)	. (.)
MAC	6546	.	6546	500 (2.72)	493 (4.95)	. (.)
RUS	2153373	0.02	2152991	448 (3.79)	432 (4.65)	. (.)
YUG	68596	0.51	68244	416 (3.57)	390 (5.33)	. (.)
THA	637076	.	637076	428 (3.22)	405 (2.88)	. (.)
TUN	150875	0.21	150560	380 (3.30)	364 (3.20)	. (.)
URY	33775	0.15	33724	440 (3.64)	405 (5.59)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A quiet place to study

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.21)	496 (3.66)	. (.)
AUT	85931	1.08	85003	510 (3.21)	481 (5.91)	. (.)
BEL	111831	1.79	109825	542 (2.41)	485 (4.69)	. (.)
CAN	330436	9.70	298375	539 (1.65)	511 (3.10)	. (.)
CZE	121183	4.06	116257	525 (3.28)	503 (5.10)	. (.)
DNK	51741	0.65	51406	529 (3.05)	497 (3.12)	. (.)
FIN	57884	0.07	57845	547 (1.90)	519 (5.08)	. (.)
FRA	734579	0.87	728167	516 (2.51)	474 (6.26)	. (.)
DEU	884358	5.57	835070	515 (3.30)	463 (7.73)	. (.)
GRC	105131	0.13	104991	453 (4.07)	428 (4.13)	. (.)
HUN	107044	0.06	106984	494 (2.92)	475 (4.34)	. (.)
ISL	3928	0.63	3903	518 (1.50)	487 (6.29)	. (.)
IRL	54850	1.03	54285	511 (2.66)	478 (3.25)	. (.)
ITA	481521	0.39	479638	473 (2.92)	437 (4.59)	. (.)
JPN	1240054	0.10	1238855	543 (3.95)	510 (5.27)	559 (73.77)
KOR	533504	0.02	533396	552 (3.61)	517 (3.74)	. (.)
LUX	4080	0.10	4076	495 (1.05)	463 (5.66)	. (.)
MEX	1071650	0.37	1067674	401 (3.97)	367 (3.71)	. (.)
NLD	184943	3.15	179126	551 (2.95)	500 (5.34)	. (.)
NZL	48638	0.69	48300	533 (2.29)	485 (4.00)	. (.)
NOR	52816	0.77	52407	499 (2.44)	458 (5.58)	. (.)
POL	534900	.	534900	492 (2.50)	464 (6.81)	. (.)
PRT	96857	0.23	96637	470 (3.11)	434 (7.37)	. (.)
SVK	77067	0.17	76935	506 (2.68)	473 (7.12)	. (.)
ESP	344372	0.07	344114	489 (2.46)	461 (4.53)	. (.)
SWE	107104	0.23	106861	517 (2.49)	475 (4.84)	. (.)
CHE	86491	0.14	86370	531 (3.39)	495 (5.23)	. (.)
TUR	481279	0.03	481137	435 (7.24)	386 (5.50)	. (.)
GBR	698579	3.63	673243	517 (2.99)	473 (2.99)	. (.)
USA	3147089	0.76	3123066	491 (2.88)	445 (4.74)	. (.)
TOT	.	1.34	.	500 (1.00)	448 (1.89)	457 (54.50)
AVG	.	1.23	.	509 (0.61)	465 (1.16)	448 (22.99)
HKG	72484	0.21	72334	558 (4.73)	533 (5.07)	. (.)
IDN	1971476	0.14	1968808	367 (4.52)	352 (3.45)	. (.)
LVA	33643	0.22	33570	488 (3.68)	466 (4.95)	. (.)
LIE	338	.	338	540 (4.55)	512 (14.72)	. (.)
MAC	6546	.	6546	530 (3.61)	520 (4.83)	. (.)
RUS	2153373	0.02	2152991	474 (4.01)	459 (5.10)	. (.)
YUG	68596	0.51	68244	439 (3.77)	422 (5.62)	. (.)
THA	637076	.	637076	425 (3.33)	402 (3.45)	. (.)
TUN	150875	0.21	150560	365 (3.16)	346 (2.64)	. (.)
URY	33775	0.15	33724	427 (3.46)	401 (4.17)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A quiet place to study

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (2.13)	494 (3.78)	. (.)
AUT	85931	1.08	85003	495 (3.34)	468 (6.76)	. (.)
BEL	111831	1.79	109825	521 (2.51)	464 (5.04)	. (.)
CAN	330436	9.70	298375	526 (1.88)	491 (3.65)	. (.)
CZE	121183	4.06	116257	532 (3.10)	506 (5.35)	. (.)
DNK	51741	0.65	51406	491 (3.25)	457 (3.43)	. (.)
FIN	57884	0.07	57845	552 (1.98)	516 (5.74)	. (.)
FRA	734579	0.87	728167	516 (3.07)	469 (6.84)	. (.)
DEU	884358	5.57	835070	515 (3.59)	462 (9.02)	. (.)
GRC	105131	0.13	104991	489 (4.23)	463 (3.82)	. (.)
HUN	107044	0.06	106984	507 (2.88)	490 (5.02)	. (.)
ISL	3928	0.63	3903	499 (1.58)	459 (6.96)	. (.)
IRL	54850	1.03	54285	515 (2.85)	475 (3.83)	. (.)
ITA	481521	0.39	479638	495 (3.03)	457 (4.65)	. (.)
JPN	1240054	0.10	1238855	557 (4.11)	524 (5.65)	554 (72.03)
KOR	533504	0.02	533396	548 (3.86)	514 (4.45)	. (.)
LUX	4080	0.10	4076	485 (1.54)	451 (7.21)	. (.)
MEX	1071650	0.37	1067674	419 (3.87)	388 (3.70)	. (.)
NLD	184943	3.15	179126	537 (3.12)	484 (6.27)	. (.)
NZL	48638	0.69	48300	531 (2.48)	481 (4.08)	. (.)
NOR	52816	0.77	52407	489 (2.92)	438 (6.30)	. (.)
POL	534900	.	534900	500 (2.89)	474 (7.43)	. (.)
PRT	96857	0.23	96637	472 (3.23)	432 (7.81)	. (.)
SVK	77067	0.17	76935	503 (2.80)	467 (8.27)	. (.)
ESP	344372	0.07	344114	492 (2.66)	461 (4.69)	. (.)
SWE	107104	0.23	106861	514 (2.52)	470 (6.06)	. (.)
CHE	86491	0.14	86370	519 (3.68)	473 (5.75)	. (.)
TUR	481279	0.03	481137	444 (6.40)	402 (5.12)	. (.)
GBR	698579	3.63	673243	528 (3.15)	481 (3.49)	. (.)
USA	3147089	0.76	3123066	499 (2.98)	454 (5.17)	. (.)
TOT	.	1.34	.	506 (1.06)	457 (1.84)	462 (51.58)
AVG	.	1.23	.	508 (0.59)	465 (1.06)	447 (22.59)
HKG	72484	0.21	72334	546 (4.42)	524 (4.94)	. (.)
IDN	1971476	0.14	1968808	402 (3.69)	386 (2.80)	. (.)
LVA	33643	0.22	33570	493 (3.85)	473 (5.38)	. (.)
LIE	338	.	338	531 (4.72)	496 (14.79)	. (.)
MAC	6546	.	6546	526 (3.86)	520 (5.53)	. (.)
RUS	2153373	0.02	2152991	495 (4.16)	480 (4.95)	. (.)
YUG	68596	0.51	68244	439 (3.59)	421 (4.93)	. (.)
THA	637076	.	637076	438 (3.00)	411 (3.13)	. (.)
TUN	150875	0.21	150560	390 (3.22)	374 (2.99)	. (.)
URY	33775	0.15	33724	444 (3.16)	414 (5.79)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A quiet place to study

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (2.02)	504 (3.65)	. (.)
AUT	85931	1.08	85003	510 (3.14)	486 (5.90)	. (.)
BEL	111831	1.79	109825	536 (2.32)	486 (4.85)	. (.)
CAN	330436	9.70	298375	536 (1.62)	511 (3.41)	. (.)
CZE	121183	4.06	116257	525 (3.14)	505 (5.04)	. (.)
DNK	51741	0.65	51406	530 (2.74)	501 (2.88)	. (.)
FIN	57884	0.07	57845	550 (1.88)	523 (4.95)	. (.)
FRA	734579	0.87	728167	524 (2.65)	482 (6.36)	. (.)
DEU	884358	5.57	835070	522 (3.21)	473 (8.13)	. (.)
GRC	105131	0.13	104991	454 (4.22)	435 (4.16)	. (.)
HUN	107044	0.06	106984	504 (2.93)	488 (4.34)	. (.)
ISL	3928	0.63	3903	508 (1.48)	477 (6.06)	. (.)
IRL	54850	1.03	54285	505 (2.56)	477 (3.24)	. (.)
ITA	481521	0.39	479638	478 (2.84)	439 (4.69)	. (.)
JPN	1240054	0.10	1238855	556 (4.03)	524 (5.21)	530 (87.44)
KOR	533504	0.02	533396	558 (3.41)	531 (3.79)	. (.)
LUX	4080	0.10	4076	496 (1.44)	465 (6.44)	. (.)
MEX	1071650	0.37	1067674	403 (4.85)	363 (4.71)	. (.)
NLD	184943	3.15	179126	532 (2.97)	479 (5.47)	. (.)
NZL	48638	0.69	48300	542 (2.16)	495 (3.97)	. (.)
NOR	52816	0.77	52407	494 (2.64)	449 (6.44)	. (.)
POL	534900	.	534900	488 (2.73)	469 (6.41)	. (.)
PRT	96857	0.23	96637	474 (3.53)	433 (8.46)	. (.)
SVK	77067	0.17	76935	499 (2.71)	467 (7.07)	. (.)
ESP	344372	0.07	344114	485 (2.80)	465 (4.85)	. (.)
SWE	107104	0.23	106861	516 (2.40)	478 (4.53)	. (.)
CHE	86491	0.14	86370	527 (3.00)	487 (5.45)	. (.)
TUR	481279	0.03	481137	419 (6.31)	371 (5.58)	. (.)
GBR	698579	3.63	673243	519 (2.81)	475 (3.30)	. (.)
USA	3147089	0.76	3123066	486 (2.99)	438 (5.35)	. (.)
TOT	.	1.34	.	501 (1.06)	448 (2.10)	431 (58.80)
AVG	.	1.23	.	508 (0.61)	467 (1.26)	434 (23.80)
HKG	72484	0.21	72334	554 (4.38)	535 (4.97)	. (.)
IDN	1971476	0.14	1968808	366 (3.82)	355 (3.04)	. (.)
LVA	33643	0.22	33570	487 (3.84)	465 (5.51)	. (.)
LIE	338	.	338	534 (4.64)	508 (12.69)	. (.)
MAC	6546	.	6546	536 (3.45)	523 (4.84)	. (.)
RUS	2153373	0.02	2152991	483 (4.41)	471 (5.29)	. (.)
YUG	68596	0.51	68244	423 (3.34)	403 (5.40)	. (.)
THA	637076	.	637076	432 (3.20)	411 (3.07)	. (.)
TUN	150875	0.21	150560	351 (2.61)	331 (2.41)	. (.)
URY	33775	0.15	33724	416 (3.93)	384 (4.45)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A computer you can use for school work

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	93.90	(0.30)	5.98	(0.30)	0.13	(.)
AUT	85931	1.08	85003	92.97	(0.51)	7.03	(0.51)	.	(.)
BEL	111831	1.79	109825	87.04	(0.52)	12.82	(0.52)	0.14	(.)
CAN	330436	9.70	298375	93.20	(0.29)	6.71	(0.29)	0.09	(.)
CZE	121183	4.06	116257	76.54	(0.81)	23.29	(0.80)	0.17	(.)
DNK	51741	0.65	51406	93.25	(0.50)	6.73	(0.50)	0.02	(.)
FIN	57884	0.07	57845	87.86	(0.56)	12.08	(0.55)	0.06	(.)
FRA	734579	0.87	728167	78.60	(0.93)	21.38	(0.93)	0.02	(.)
DEU	884358	5.57	835070	90.91	(0.59)	8.95	(0.57)	0.14	(.)
GRC	105131	0.13	104991	52.67	(1.38)	47.09	(1.37)	0.23	(.)
HUN	107044	0.06	106984	67.33	(0.91)	32.28	(0.92)	0.39	(.)
ISL	3928	0.63	3903	96.71	(0.28)	3.24	(0.28)	0.06	(.)
IRL	54850	1.03	54285	79.74	(0.94)	20.12	(0.93)	0.14	(.)
ITA	481521	0.39	479638	77.98	(0.84)	21.97	(0.85)	0.04	(.)
JPN	1240054	0.10	1238855	45.88	(1.05)	53.47	(1.03)	0.65	(0.45)
KOR	533504	0.02	533396	94.88	(0.36)	4.88	(0.35)	0.24	(.)
LUX	4080	0.10	4076	89.84	(0.45)	9.83	(0.44)	0.33	(.)
MEX	1071650	0.37	1067674	33.15	(1.81)	66.63	(1.82)	0.22	(.)
NLD	184943	3.15	179126	95.84	(0.43)	4.09	(0.41)	0.07	(.)
NZL	48638	0.69	48300	87.27	(0.60)	12.71	(0.61)	0.02	(.)
NOR	52816	0.77	52407	93.50	(0.45)	6.41	(0.44)	0.09	(.)
POL	534900	.	534900	60.21	(1.17)	39.72	(1.16)	0.08	(.)
PRT	96857	0.23	96637	74.62	(1.22)	25.26	(1.21)	0.12	(.)
SVK	77067	0.17	76935	57.09	(1.28)	42.85	(1.28)	0.06	(.)
ESP	344372	0.07	344114	78.93	(0.88)	21.03	(0.87)	0.04	(.)
SWE	107104	0.23	106861	94.88	(0.37)	5.05	(0.36)	0.06	(.)
CHE	86491	0.14	86370	86.30	(0.61)	13.39	(0.62)	0.30	(.)
TUR	481279	0.03	481137	23.23	(1.87)	76.67	(1.86)	0.09	(.)
GBR	698579	3.63	673243	91.29	(0.51)	8.60	(0.48)	0.11	(.)
USA	3147089	0.76	3123066	87.39	(0.73)	12.51	(0.72)	0.10	(.)
TOT	.	1.34	.	73.67	(0.38)	26.16	(0.38)	0.17	(0.05)
AVG	.	1.23	.	78.65	(0.22)	21.21	(0.22)	0.14	(0.02)
HKG	72484	0.21	72334	92.61	(0.51)	7.26	(0.51)	0.13	(.)
IDN	1971476	0.14	1968808	7.90	(0.86)	91.93	(0.86)	0.18	(.)
LVA	33643	0.22	33570	43.89	(1.56)	55.96	(1.57)	0.16	(.)
LIE	338	.	338	93.94	(1.35)	5.75	(.)	0.31	(.)
MAC	6546	.	6546	89.35	(1.04)	10.65	(1.04)	.	(.)
RUS	2153373	0.02	2152991	29.03	(1.67)	70.88	(1.67)	0.09	(.)
YUG	68596	0.51	68244	38.36	(1.31)	61.50	(1.30)	0.14	(.)
THA	637076	.	637076	26.26	(0.99)	73.74	(0.99)	.	(.)
TUN	150875	0.21	150560	19.94	(1.15)	79.95	(1.15)	0.11	(.)
URY	33775	0.15	33724	45.60	(1.13)	54.34	(1.13)	0.06	(.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A computer you can use for school work

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (1.95)	448 (6.57)	. (.)
AUT	85931	1.08	85003	498 (3.59)	426 (6.97)	. (.)
BEL	111831	1.79	109825	525 (2.31)	412 (7.20)	. (.)
CAN	330436	9.70	298375	536 (1.55)	474 (3.95)	. (.)
CZE	121183	4.06	116257	508 (2.79)	458 (4.14)	. (.)
DNK	51741	0.65	51406	497 (2.68)	434 (6.67)	. (.)
FIN	57884	0.07	57845	547 (1.67)	517 (4.08)	. (.)
FRA	734579	0.87	728167	511 (2.51)	448 (5.45)	. (.)
DEU	884358	5.57	835070	509 (3.28)	420 (6.52)	. (.)
GRC	105131	0.13	104991	493 (4.69)	450 (3.82)	. (.)
HUN	107044	0.06	106984	501 (2.66)	443 (3.83)	. (.)
ISL	3928	0.63	3903	493 (1.60)	466 (11.59)	. (.)
IRL	54850	1.03	54285	527 (2.42)	470 (4.91)	. (.)
ITA	481521	0.39	479638	490 (2.70)	426 (4.99)	. (.)
JPN	1240054	0.10	1238855	519 (4.04)	481 (4.47)	497 (101.2)
KOR	533504	0.02	533396	537 (2.99)	485 (7.50)	. (.)
LUX	4080	0.10	4076	488 (1.61)	405 (5.12)	. (.)
MEX	1071650	0.37	1067674	450 (4.83)	375 (3.69)	. (.)
NLD	184943	3.15	179126	521 (2.63)	441 (8.11)	. (.)
NZL	48638	0.69	48300	532 (2.45)	457 (5.87)	. (.)
NOR	52816	0.77	52407	504 (2.79)	457 (7.81)	. (.)
POL	534900	.	534900	516 (2.84)	468 (3.56)	. (.)
PRT	96857	0.23	96637	494 (3.26)	430 (5.02)	. (.)
SVK	77067	0.17	76935	496 (2.44)	433 (4.53)	. (.)
ESP	344372	0.07	344114	492 (2.53)	436 (4.03)	. (.)
SWE	107104	0.23	106861	519 (2.32)	442 (10.52)	. (.)
CHE	86491	0.14	86370	508 (3.23)	443 (6.04)	. (.)
TUR	481279	0.03	481137	498 (10.80)	424 (4.69)	. (.)
GBR	698579	3.63	673243	512 (2.64)	444 (5.22)	. (.)
USA	3147089	0.76	3123066	505 (3.14)	430 (4.50)	. (.)
TOT	.	1.34	.	509 (1.16)	433 (1.75)	405 (61.64)
AVG	.	1.23	.	511 (0.56)	439 (1.22)	407 (25.11)
HKG	72484	0.21	72334	514 (3.72)	464 (5.96)	. (.)
IDN	1971476	0.14	1968808	436 (8.35)	377 (2.89)	. (.)
LVA	33643	0.22	33570	509 (4.45)	476 (3.99)	. (.)
LIE	338	.	338	529 (3.73)	. (.)	. (.)
MAC	6546	.	6546	501 (2.39)	473 (7.04)	. (.)
RUS	2153373	0.02	2152991	473 (3.86)	429 (4.15)	. (.)
YUG	68596	0.51	68244	435 (4.12)	398 (3.59)	. (.)
THA	637076	.	637076	453 (5.04)	408 (2.52)	. (.)
TUN	150875	0.21	150560	407 (6.84)	367 (2.68)	. (.)
URY	33775	0.15	33724	475 (3.82)	400 (3.96)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A computer you can use for school work

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.06)	444 (4.96)	. (.)
AUT	85931	1.08	85003	512 (3.15)	449 (7.40)	. (.)
BEL	111831	1.79	109825	548 (2.17)	430 (5.23)	. (.)
CAN	330436	9.70	298375	540 (1.61)	481 (4.07)	. (.)
CZE	121183	4.06	116257	537 (3.09)	474 (4.12)	. (.)
DNK	51741	0.65	51406	520 (2.70)	449 (6.99)	. (.)
FIN	57884	0.07	57845	549 (1.85)	509 (3.94)	. (.)
FRA	734579	0.87	728167	524 (2.36)	466 (4.47)	. (.)
DEU	884358	5.57	835070	519 (3.23)	433 (6.97)	. (.)
GRC	105131	0.13	104991	469 (4.42)	419 (3.87)	. (.)
HUN	107044	0.06	106984	513 (3.14)	442 (3.78)	. (.)
ISL	3928	0.63	3903	517 (1.51)	475 (9.72)	. (.)
IRL	54850	1.03	54285	514 (2.25)	458 (4.10)	. (.)
ITA	481521	0.39	479638	480 (2.94)	415 (4.38)	. (.)
JPN	1240054	0.10	1238855	553 (4.82)	518 (4.31)	559 (73.77)
KOR	533504	0.02	533396	545 (3.19)	491 (7.35)	. (.)
LUX	4080	0.10	4076	500 (1.10)	430 (4.68)	. (.)
MEX	1071650	0.37	1067674	432 (4.40)	363 (3.17)	. (.)
NLD	184943	3.15	179126	547 (2.75)	454 (8.08)	. (.)
NZL	48638	0.69	48300	534 (2.06)	456 (5.07)	. (.)
NOR	52816	0.77	52407	498 (2.38)	454 (6.51)	. (.)
POL	534900	.	534900	511 (2.39)	458 (3.02)	. (.)
PRT	96857	0.23	96637	483 (2.92)	417 (4.17)	. (.)
SVK	77067	0.17	76935	528 (2.58)	459 (4.72)	. (.)
ESP	344372	0.07	344114	498 (2.26)	437 (3.79)	. (.)
SWE	107104	0.23	106861	513 (2.48)	435 (8.81)	. (.)
CHE	86491	0.14	86370	536 (3.39)	467 (5.27)	. (.)
TUR	481279	0.03	481137	493 (12.88)	402 (4.87)	. (.)
GBR	698579	3.63	673243	514 (2.56)	447 (5.13)	. (.)
USA	3147089	0.76	3123066	493 (2.90)	419 (4.25)	. (.)
TOT	.	1.34	.	510 (1.03)	434 (1.73)	457 (54.05)
AVG	.	1.23	.	518 (0.54)	438 (1.22)	449 (22.83)
HKG	72484	0.21	72334	555 (4.53)	495 (7.32)	. (.)
IDN	1971476	0.14	1968808	428 (10.38)	355 (3.31)	. (.)
LVA	33643	0.22	33570	506 (4.61)	466 (3.50)	. (.)
LIE	338	.	338	541 (4.25)	. (.)	. (.)
MAC	6546	.	6546	530 (3.05)	500 (10.69)	. (.)
RUS	2153373	0.02	2152991	502 (4.94)	455 (4.39)	. (.)
YUG	68596	0.51	68244	465 (4.52)	420 (3.35)	. (.)
THA	637076	.	637076	456 (5.51)	403 (2.69)	. (.)
TUN	150875	0.21	150560	401 (6.70)	348 (2.16)	. (.)
URY	33775	0.15	33724	462 (3.89)	389 (3.32)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A computer you can use for school work

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (2.00)	447 (5.63)	. (.)
AUT	85931	1.08	85003	497 (3.36)	441 (7.48)	. (.)
BEL	111831	1.79	109825	526 (2.32)	416 (5.95)	. (.)
CAN	330436	9.70	298375	527 (1.82)	460 (4.27)	. (.)
CZE	121183	4.06	116257	543 (3.01)	481 (4.51)	. (.)
DNK	51741	0.65	51406	481 (2.92)	407 (7.79)	. (.)
FIN	57884	0.07	57845	553 (1.93)	516 (4.93)	. (.)
FRA	734579	0.87	728167	528 (2.74)	454 (6.00)	. (.)
DEU	884358	5.57	835070	520 (3.43)	426 (6.89)	. (.)
GRC	105131	0.13	104991	504 (4.27)	456 (3.73)	. (.)
HUN	107044	0.06	106984	524 (3.11)	460 (3.91)	. (.)
ISL	3928	0.63	3903	497 (1.56)	451 (8.87)	. (.)
IRL	54850	1.03	54285	517 (2.44)	456 (4.43)	. (.)
ITA	481521	0.39	479638	502 (2.97)	434 (5.15)	. (.)
JPN	1240054	0.10	1238855	568 (4.84)	530 (4.55)	554 (72.03)
KOR	533504	0.02	533396	541 (3.46)	483 (8.85)	. (.)
LUX	4080	0.10	4076	491 (1.62)	411 (5.35)	. (.)
MEX	1071650	0.37	1067674	448 (4.28)	384 (2.80)	. (.)
NLD	184943	3.15	179126	532 (3.01)	439 (8.87)	. (.)
NZL	48638	0.69	48300	532 (2.30)	448 (5.33)	. (.)
NOR	52816	0.77	52407	488 (2.87)	439 (7.40)	. (.)
POL	534900	.	534900	521 (2.86)	463 (3.35)	. (.)
PRT	96857	0.23	96637	485 (2.99)	418 (4.67)	. (.)
SVK	77067	0.17	76935	525 (2.77)	455 (5.43)	. (.)
ESP	344372	0.07	344114	500 (2.54)	439 (4.22)	. (.)
SWE	107104	0.23	106861	511 (2.69)	429 (9.32)	. (.)
CHE	86491	0.14	86370	523 (3.68)	449 (5.75)	. (.)
TUR	481279	0.03	481137	496 (11.49)	416 (4.45)	. (.)
GBR	698579	3.63	673243	525 (2.69)	448 (5.76)	. (.)
USA	3147089	0.76	3123066	501 (3.03)	427 (4.80)	. (.)
TOT	.	1.34	.	515 (1.09)	445 (1.65)	462 (51.12)
AVG	.	1.23	.	515 (0.56)	445 (1.10)	449 (22.35)
HKG	72484	0.21	72334	544 (4.31)	484 (7.68)	. (.)
IDN	1971476	0.14	1968808	451 (7.88)	390 (2.78)	. (.)
LVA	33643	0.22	33570	512 (4.43)	472 (4.13)	. (.)
LIE	338	.	338	530 (4.60)	. (.)	. (.)
MAC	6546	.	6546	526 (3.15)	512 (9.71)	. (.)
RUS	2153373	0.02	2152991	523 (4.58)	475 (4.31)	. (.)
YUG	68596	0.51	68244	461 (4.33)	422 (3.15)	. (.)
THA	637076	.	637076	470 (4.94)	415 (2.33)	. (.)
TUN	150875	0.21	150560	415 (6.97)	377 (2.29)	. (.)
URY	33775	0.15	33724	473 (3.71)	410 (3.32)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A computer you can use for school work

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (1.90)	457 (4.26)	. (.)
AUT	85931	1.08	85003	511 (3.05)	459 (7.20)	. (.)
BEL	111831	1.79	109825	542 (2.13)	436 (5.21)	. (.)
CAN	330436	9.70	298375	538 (1.56)	473 (4.05)	. (.)
CZE	121183	4.06	116257	537 (2.94)	475 (4.06)	. (.)
DNK	51741	0.65	51406	522 (2.49)	450 (6.96)	. (.)
FIN	57884	0.07	57845	553 (1.82)	512 (4.29)	. (.)
FRA	734579	0.87	728167	533 (2.53)	473 (4.93)	. (.)
DEU	884358	5.57	835070	526 (3.18)	444 (6.18)	. (.)
GRC	105131	0.13	104991	471 (4.73)	423 (3.54)	. (.)
HUN	107044	0.06	106984	524 (3.13)	453 (3.94)	. (.)
ISL	3928	0.63	3903	506 (1.52)	472 (9.10)	. (.)
IRL	54850	1.03	54285	508 (2.23)	460 (3.89)	. (.)
ITA	481521	0.39	479638	485 (2.82)	416 (4.97)	. (.)
JPN	1240054	0.10	1238855	567 (4.69)	530 (4.41)	530 (87.44)
KOR	533504	0.02	533396	553 (3.03)	507 (6.64)	. (.)
LUX	4080	0.10	4076	501 (1.45)	429 (4.49)	. (.)
MEX	1071650	0.37	1067674	440 (4.86)	357 (3.84)	. (.)
NLD	184943	3.15	179126	527 (2.86)	437 (8.38)	. (.)
NZL	48638	0.69	48300	543 (2.07)	470 (4.74)	. (.)
NOR	52816	0.77	52407	494 (2.63)	442 (6.57)	. (.)
POL	534900	.	534900	508 (2.59)	455 (3.20)	. (.)
PRT	96857	0.23	96637	487 (3.28)	420 (5.05)	. (.)
SVK	77067	0.17	76935	522 (2.59)	452 (4.89)	. (.)
ESP	344372	0.07	344114	495 (2.55)	435 (4.31)	. (.)
SWE	107104	0.23	106861	512 (2.31)	444 (9.35)	. (.)
CHE	86491	0.14	86370	530 (3.10)	467 (5.24)	. (.)
TUR	481279	0.03	481137	470 (11.30)	389 (4.65)	. (.)
GBR	698579	3.63	673243	516 (2.51)	445 (4.98)	. (.)
USA	3147089	0.76	3123066	487 (3.04)	415 (4.75)	. (.)
TOT	.	1.34	.	510 (1.07)	434 (1.94)	431 (58.22)
AVG	.	1.23	.	518 (0.53)	439 (1.37)	436 (23.74)
HKG	72484	0.21	72334	552 (4.21)	495 (7.21)	. (.)
IDN	1971476	0.14	1968808	427 (7.89)	356 (2.78)	. (.)
LVA	33643	0.22	33570	507 (4.87)	464 (4.01)	. (.)
LIE	338	.	338	534 (3.99)	. (.)	. (.)
MAC	6546	.	6546	537 (2.73)	497 (9.81)	. (.)
RUS	2153373	0.02	2152991	520 (4.59)	462 (4.65)	. (.)
YUG	68596	0.51	68244	446 (3.86)	404 (3.15)	. (.)
THA	637076	.	637076	461 (5.10)	412 (2.44)	. (.)
TUN	150875	0.21	150560	381 (5.66)	336 (1.96)	. (.)
URY	33775	0.15	33724	453 (4.45)	375 (3.97)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Educational software

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	66.58 (0.58)	33.32 (0.58)	0.10 (.)
AUT	85931	1.08	85003	41.72 (0.89)	58.26 (0.89)	0.02 (.)
BEL	111831	1.79	109825	51.89 (0.72)	47.91 (0.72)	0.21 (.)
CAN	330436	9.70	298375	61.62 (0.56)	38.29 (0.57)	0.09 (.)
CZE	121183	4.06	116257	52.81 (0.91)	47.02 (0.90)	0.16 (.)
DNK	51741	0.65	51406	33.73 (0.85)	66.25 (0.86)	0.02 (.)
FIN	57884	0.07	57845	37.37 (0.77)	62.56 (0.78)	0.06 (.)
FRA	734579	0.87	728167	43.96 (0.93)	56.02 (0.93)	0.02 (.)
DEU	884358	5.57	835070	52.59 (0.89)	47.27 (0.89)	0.14 (.)
GRC	105131	0.13	104991	16.38 (0.87)	83.48 (0.87)	0.13 (.)
HUN	107044	0.06	106984	28.05 (0.85)	71.56 (0.84)	0.39 (.)
ISL	3928	0.63	3903	57.15 (0.82)	42.63 (0.83)	0.21 (.)
IRL	54850	1.03	54285	47.65 (0.82)	52.21 (0.81)	0.14 (.)
ITA	481521	0.39	479638	30.03 (0.82)	69.93 (0.82)	0.04 (.)
JPN	1240054	0.10	1238855	10.70 (0.58)	88.65 (0.71)	0.65 (0.45)
KOR	533504	0.02	533396	45.71 (0.86)	54.06 (0.87)	0.24 (.)
LUX	4080	0.10	4076	46.58 (0.79)	52.68 (0.77)	0.74 (.)
MEX	1071650	0.37	1067674	19.83 (1.22)	79.95 (1.24)	0.22 (.)
NLD	184943	3.15	179126	62.84 (1.00)	37.08 (1.00)	0.07 (.)
NZL	48638	0.69	48300	57.46 (0.90)	42.43 (0.90)	0.11 (.)
NOR	52816	0.77	52407	57.81 (0.83)	42.08 (0.83)	0.12 (.)
POL	534900	.	534900	47.57 (1.06)	52.35 (1.06)	0.08 (.)
PRT	96857	0.23	96637	36.83 (1.16)	63.06 (1.16)	0.12 (.)
SVK	77067	0.17	76935	24.69 (0.82)	75.26 (0.82)	0.05 (.)
ESP	344372	0.07	344114	41.40 (1.00)	58.56 (0.99)	0.04 (.)
SWE	107104	0.23	106861	50.97 (0.96)	48.97 (0.96)	0.06 (.)
CHE	86491	0.14	86370	38.25 (0.82)	61.19 (0.82)	0.56 (.)
TUR	481279	0.03	481137	13.39 (0.95)	86.52 (0.95)	0.09 (.)
GBR	698579	3.63	673243	67.10 (0.77)	32.79 (0.75)	0.11 (.)
USA	3147089	0.76	3123066	60.22 (0.91)	39.68 (0.91)	0.10 (.)
TOT	.	1.34	.	43.72 (0.37)	56.11 (0.37)	0.17 (0.05)
AVG	.	1.23	.	43.28 (0.18)	56.55 (0.18)	0.17 (0.02)
HKG	72484	0.21	72334	46.42 (1.03)	53.45 (1.03)	0.13 (.)
IDN	1971476	0.14	1968808	11.35 (0.68)	88.48 (0.68)	0.18 (.)
LVA	33643	0.22	33570	28.99 (1.22)	70.83 (1.22)	0.18 (.)
LIE	338	.	338	44.28 (2.34)	54.51 (2.36)	1.21 (.)
MAC	6546	.	6546	38.30 (1.68)	61.70 (1.68)	. (.)
RUS	2153373	0.02	2152991	21.29 (1.28)	78.62 (1.28)	0.09 (.)
YUG	68596	0.51	68244	14.92 (0.75)	84.96 (0.74)	0.12 (.)
THA	637076	.	637076	16.19 (0.79)	83.81 (0.79)	. (.)
TUN	150875	0.21	150560	9.87 (0.68)	90.02 (0.68)	0.11 (.)
URY	33775	0.15	33724	29.79 (1.01)	70.17 (1.01)	0.05 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Educational software

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (2.01)	508 (3.27)	. (.)
AUT	85931	1.08	85003	503 (3.98)	486 (4.03)	. (.)
BEL	111831	1.79	109825	538 (2.40)	481 (3.81)	. (.)
CAN	330436	9.70	298375	542 (1.60)	514 (2.09)	. (.)
CZE	121183	4.06	116257	508 (2.68)	483 (3.65)	. (.)
DNK	51741	0.65	51406	500 (3.73)	489 (2.93)	. (.)
FIN	57884	0.07	57845	547 (2.56)	541 (1.78)	. (.)
FRA	734579	0.87	728167	516 (2.99)	483 (3.36)	. (.)
DEU	884358	5.57	835070	509 (3.49)	492 (4.44)	. (.)
GRC	105131	0.13	104991	504 (6.48)	467 (3.93)	. (.)
HUN	107044	0.06	106984	510 (3.34)	471 (2.75)	. (.)
ISL	3928	0.63	3903	495 (2.18)	489 (2.68)	. (.)
IRL	54850	1.03	54285	535 (2.82)	497 (3.05)	. (.)
ITA	481521	0.39	479638	496 (2.92)	467 (3.43)	. (.)
JPN	1240054	0.10	1238855	505 (7.47)	498 (3.79)	497 (101.2)
KOR	533504	0.02	533396	552 (3.29)	519 (3.46)	. (.)
LUX	4080	0.10	4076	493 (2.12)	468 (2.16)	. (.)
MEX	1071650	0.37	1067674	452 (5.88)	387 (3.68)	. (.)
NLD	184943	3.15	179126	527 (2.82)	501 (4.08)	. (.)
NZL	48638	0.69	48300	540 (2.70)	499 (3.38)	. (.)
NOR	52816	0.77	52407	501 (3.26)	500 (3.45)	. (.)
POL	534900	.	534900	519 (2.82)	477 (3.44)	. (.)
PRT	96857	0.23	96637	503 (3.75)	463 (4.07)	. (.)
SVK	77067	0.17	76935	503 (3.31)	458 (3.59)	. (.)
ESP	344372	0.07	344114	497 (2.85)	469 (3.09)	. (.)
SWE	107104	0.23	106861	523 (2.89)	506 (2.96)	. (.)
CHE	86491	0.14	86370	508 (3.68)	494 (3.66)	. (.)
TUR	481279	0.03	481137	483 (11.44)	435 (5.41)	. (.)
GBR	698579	3.63	673243	520 (2.87)	479 (3.34)	. (.)
USA	3147089	0.76	3123066	513 (3.20)	470 (3.90)	. (.)
TOT	.	1.34	.	514 (1.39)	469 (1.29)	406 (60.76)
AVG	.	1.23	.	516 (0.65)	479 (0.77)	423 (20.14)
HKG	72484	0.21	72334	526 (2.94)	496 (4.44)	. (.)
IDN	1971476	0.14	1968808	396 (7.27)	380 (3.11)	. (.)
LVA	33643	0.22	33570	511 (5.27)	482 (3.81)	. (.)
LIE	338	.	338	528 (7.13)	522 (6.89)	. (.)
MAC	6546	.	6546	508 (3.32)	491 (3.18)	. (.)
RUS	2153373	0.02	2152991	473 (4.05)	434 (4.29)	. (.)
YUG	68596	0.51	68244	441 (4.66)	407 (3.57)	. (.)
THA	637076	.	637076	459 (6.10)	412 (2.48)	. (.)
TUN	150875	0.21	150560	403 (8.27)	372 (2.68)	. (.)
URY	33775	0.15	33724	474 (4.14)	417 (3.74)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Educational software

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.06)	506 (3.60)	. (.)
AUT	85931	1.08	85003	517 (3.37)	500 (3.70)	. (.)
BEL	111831	1.79	109825	561 (2.19)	502 (3.29)	. (.)
CAN	330436	9.70	298375	544 (1.71)	523 (2.00)	. (.)
CZE	121183	4.06	116257	540 (2.97)	503 (4.07)	. (.)
DNK	51741	0.65	51406	526 (3.44)	509 (2.91)	. (.)
FIN	57884	0.07	57845	550 (2.52)	541 (2.17)	. (.)
FRA	734579	0.87	728167	526 (2.79)	501 (3.10)	. (.)
DEU	884358	5.57	835070	520 (3.57)	502 (4.29)	. (.)
GRC	105131	0.13	104991	492 (6.85)	436 (3.56)	. (.)
HUN	107044	0.06	106984	526 (3.63)	476 (3.08)	. (.)
ISL	3928	0.63	3903	521 (1.96)	508 (2.46)	. (.)
IRL	54850	1.03	54285	521 (2.69)	486 (3.00)	. (.)
ITA	481521	0.39	479638	495 (3.15)	453 (3.34)	. (.)
JPN	1240054	0.10	1238855	544 (8.18)	533 (3.80)	559 (73.77)
KOR	533504	0.02	533396	564 (3.96)	524 (3.17)	. (.)
LUX	4080	0.10	4076	506 (1.86)	482 (1.82)	. (.)
MEX	1071650	0.37	1067674	432 (5.38)	374 (3.28)	. (.)
NLD	184943	3.15	179126	556 (2.63)	521 (4.61)	. (.)
NZL	48638	0.69	48300	541 (2.37)	501 (3.21)	. (.)
NOR	52816	0.77	52407	499 (2.71)	491 (3.22)	. (.)
POL	534900	.	534900	514 (2.39)	469 (3.09)	. (.)
PRT	96857	0.23	96637	494 (3.43)	450 (3.65)	. (.)
SVK	77067	0.17	76935	542 (3.58)	484 (3.73)	. (.)
ESP	344372	0.07	344114	502 (2.64)	474 (3.04)	. (.)
SWE	107104	0.23	106861	518 (3.02)	501 (2.80)	. (.)
CHE	86491	0.14	86370	534 (3.37)	521 (3.94)	. (.)
TUR	481279	0.03	481137	477 (13.88)	415 (6.05)	. (.)
GBR	698579	3.63	673243	521 (2.74)	480 (3.30)	. (.)
USA	3147089	0.76	3123066	499 (3.02)	459 (3.37)	. (.)
TOT	.	1.34	.	513 (1.28)	472 (1.22)	458 (53.20)
AVG	.	1.23	.	524 (0.61)	483 (0.80)	461 (18.61)
HKG	72484	0.21	72334	570 (3.75)	534 (5.45)	. (.)
IDN	1971476	0.14	1968808	380 (8.55)	358 (3.55)	. (.)
LVA	33643	0.22	33570	510 (5.20)	473 (3.57)	. (.)
LIE	338	.	338	541 (7.43)	531 (7.00)	. (.)
MAC	6546	.	6546	542 (5.01)	518 (4.17)	. (.)
RUS	2153373	0.02	2152991	504 (4.79)	459 (4.45)	. (.)
YUG	68596	0.51	68244	473 (5.24)	431 (3.65)	. (.)
THA	637076	.	637076	466 (6.70)	408 (2.67)	. (.)
TUN	150875	0.21	150560	399 (8.17)	354 (2.23)	. (.)
URY	33775	0.15	33724	463 (4.11)	405 (3.27)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Educational software

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (2.06)	506 (3.26)	. (.)
AUT	85931	1.08	85003	501 (3.50)	487 (3.97)	. (.)
BEL	111831	1.79	109825	538 (2.27)	484 (3.58)	. (.)
CAN	330436	9.70	298375	533 (1.99)	506 (2.37)	. (.)
CZE	121183	4.06	116257	545 (2.95)	510 (4.09)	. (.)
DNK	51741	0.65	51406	488 (3.92)	469 (3.13)	. (.)
FIN	57884	0.07	57845	556 (2.71)	544 (2.16)	. (.)
FRA	734579	0.87	728167	534 (3.20)	495 (3.65)	. (.)
DEU	884358	5.57	835070	521 (3.74)	500 (4.67)	. (.)
GRC	105131	0.13	104991	524 (6.06)	473 (3.67)	. (.)
HUN	107044	0.06	106984	537 (3.72)	490 (2.99)	. (.)
ISL	3928	0.63	3903	505 (2.35)	483 (2.61)	. (.)
IRL	54850	1.03	54285	527 (2.94)	485 (3.13)	. (.)
ITA	481521	0.39	479638	516 (3.47)	474 (3.44)	. (.)
JPN	1240054	0.10	1238855	561 (8.18)	546 (3.98)	554 (72.03)
KOR	533504	0.02	533396	560 (4.08)	520 (3.62)	. (.)
LUX	4080	0.10	4076	496 (2.04)	470 (2.43)	. (.)
MEX	1071650	0.37	1067674	452 (5.45)	393 (2.95)	. (.)
NLD	184943	3.15	179126	540 (3.04)	508 (4.90)	. (.)
NZL	48638	0.69	48300	539 (2.49)	498 (3.44)	. (.)
NOR	52816	0.77	52407	486 (3.38)	483 (3.74)	. (.)
POL	534900	.	534900	524 (3.00)	474 (3.45)	. (.)
PRT	96857	0.23	96637	495 (3.40)	452 (3.82)	. (.)
SVK	77067	0.17	76935	539 (3.27)	480 (4.24)	. (.)
ESP	344372	0.07	344114	505 (3.04)	475 (3.14)	. (.)
SWE	107104	0.23	106861	514 (3.25)	498 (3.10)	. (.)
CHE	86491	0.14	86370	523 (3.66)	507 (4.59)	. (.)
TUR	481279	0.03	481137	483 (12.30)	427 (5.35)	. (.)
GBR	698579	3.63	673243	534 (2.94)	486 (3.54)	. (.)
USA	3147089	0.76	3123066	508 (3.16)	467 (3.63)	. (.)
TOT	.	1.34	.	519 (1.35)	479 (1.17)	463 (50.54)
AVG	.	1.23	.	522 (0.61)	484 (0.71)	458 (18.29)
HKG	72484	0.21	72334	559 (3.50)	523 (5.18)	. (.)
IDN	1971476	0.14	1968808	416 (6.13)	393 (2.98)	. (.)
LVA	33643	0.22	33570	517 (4.92)	478 (3.98)	. (.)
LIE	338	.	338	533 (8.08)	519 (6.60)	. (.)
MAC	6546	.	6546	531 (5.04)	521 (4.20)	. (.)
RUS	2153373	0.02	2152991	523 (4.93)	480 (4.39)	. (.)
YUG	68596	0.51	68244	469 (4.92)	431 (3.41)	. (.)
THA	637076	.	637076	478 (6.01)	420 (2.31)	. (.)
TUN	150875	0.21	150560	415 (8.07)	381 (2.37)	. (.)
URY	33775	0.15	33724	473 (4.29)	424 (3.10)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Educational software

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	539 (1.85)	513 (3.17)	. (.)
AUT	85931	1.08	85003	517 (3.38)	501 (3.56)	. (.)
BEL	111831	1.79	109825	554 (2.06)	500 (3.38)	. (.)
CAN	330436	9.70	298375	542 (1.70)	520 (2.05)	. (.)
CZE	121183	4.06	116257	539 (2.79)	504 (4.00)	. (.)
DNK	51741	0.65	51406	526 (3.55)	512 (2.63)	. (.)
FIN	57884	0.07	57845	554 (2.71)	544 (1.98)	. (.)
FRA	734579	0.87	728167	535 (3.03)	509 (3.22)	. (.)
DEU	884358	5.57	835070	526 (3.45)	511 (4.14)	. (.)
GRC	105131	0.13	104991	490 (6.82)	441 (3.66)	. (.)
HUN	107044	0.06	106984	535 (3.72)	488 (3.14)	. (.)
ISL	3928	0.63	3903	509 (1.87)	500 (2.32)	. (.)
IRL	54850	1.03	54285	513 (2.70)	484 (2.77)	. (.)
ITA	481521	0.39	479638	499 (3.18)	458 (3.40)	. (.)
JPN	1240054	0.10	1238855	557 (8.02)	546 (3.88)	530 (87.44)
KOR	533504	0.02	533396	568 (3.57)	536 (3.22)	. (.)
LUX	4080	0.10	4076	505 (2.46)	483 (1.74)	. (.)
MEX	1071650	0.37	1067674	442 (5.93)	371 (3.85)	. (.)
NLD	184943	3.15	179126	535 (2.76)	503 (4.68)	. (.)
NZL	48638	0.69	48300	549 (2.34)	512 (3.09)	. (.)
NOR	52816	0.77	52407	494 (3.01)	486 (3.39)	. (.)
POL	534900	.	534900	510 (2.64)	466 (3.21)	. (.)
PRT	96857	0.23	96637	498 (3.69)	454 (4.20)	. (.)
SVK	77067	0.17	76935	534 (3.56)	478 (3.82)	. (.)
ESP	344372	0.07	344114	497 (3.07)	472 (3.34)	. (.)
SWE	107104	0.23	106861	516 (2.89)	501 (2.80)	. (.)
CHE	86491	0.14	86370	529 (3.14)	517 (3.51)	. (.)
TUR	481279	0.03	481137	459 (12.00)	400 (5.48)	. (.)
GBR	698579	3.63	673243	524 (2.70)	481 (3.28)	. (.)
USA	3147089	0.76	3123066	494 (3.15)	454 (3.72)	. (.)
TOT	.	1.34	.	512 (1.33)	473 (1.35)	432 (57.41)
AVG	.	1.23	.	523 (0.59)	484 (0.84)	449 (19.50)
HKG	72484	0.21	72334	566 (3.36)	532 (5.15)	. (.)
IDN	1971476	0.14	1968808	382 (7.28)	359 (3.00)	. (.)
LVA	33643	0.22	33570	511 (5.57)	471 (3.93)	. (.)
LIE	338	.	338	535 (7.13)	525 (7.10)	. (.)
MAC	6546	.	6546	549 (4.42)	522 (3.50)	. (.)
RUS	2153373	0.02	2152991	522 (4.48)	467 (4.77)	. (.)
YUG	68596	0.51	68244	455 (4.90)	415 (3.24)	. (.)
THA	637076	.	637076	469 (6.39)	416 (2.41)	. (.)
TUN	150875	0.21	150560	381 (7.04)	341 (1.96)	. (.)
URY	33775	0.15	33724	450 (4.35)	394 (3.89)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A link to the Internet

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	84.47	(0.55)	15.43	(0.55)	0.10	(.)
AUT	85931	1.08	85003	69.42	(1.01)	30.58	(1.01)	.	(.)
BEL	111831	1.79	109825	74.68	(0.80)	25.19	(0.80)	0.13	(.)
CAN	330436	9.70	298375	88.70	(0.29)	11.21	(0.29)	0.09	(.)
CZE	121183	4.06	116257	48.99	(0.88)	50.85	(0.88)	0.16	(.)
DNK	51741	0.65	51406	83.36	(0.80)	16.62	(0.79)	0.02	(.)
FIN	57884	0.07	57845	76.65	(0.77)	23.29	(0.77)	0.06	(.)
FRA	734579	0.87	728167	55.90	(1.30)	44.08	(1.30)	0.02	(.)
DEU	884358	5.57	835070	73.39	(0.84)	26.47	(0.83)	0.14	(.)
GRC	105131	0.13	104991	35.28	(1.42)	64.59	(1.42)	0.13	(.)
HUN	107044	0.06	106984	25.89	(0.86)	73.72	(0.86)	0.39	(.)
ISL	3928	0.63	3903	92.24	(0.46)	7.71	(0.46)	0.06	(.)
IRL	54850	1.03	54285	66.10	(1.24)	33.76	(1.23)	0.14	(.)
ITA	481521	0.39	479638	62.34	(0.97)	37.62	(0.97)	0.04	(.)
JPN	1240054	0.10	1238855	60.06	(1.15)	39.29	(1.11)	0.65	(0.45)
KOR	533504	0.02	533396	92.86	(0.46)	6.90	(0.47)	0.24	(.)
LUX	4080	0.10	4076	75.08	(0.69)	24.52	(0.67)	0.40	(.)
MEX	1071650	0.37	1067674	18.31	(1.60)	81.47	(1.60)	0.22	(.)
NLD	184943	3.15	179126	88.96	(0.83)	10.97	(0.82)	0.07	(.)
NZL	48638	0.69	48300	82.13	(0.78)	17.85	(0.78)	0.02	(.)
NOR	52816	0.77	52407	87.53	(0.65)	12.38	(0.65)	0.09	(.)
POL	534900	.	534900	34.14	(0.94)	65.79	(0.94)	0.08	(.)
PRT	96857	0.23	96637	47.47	(1.31)	52.41	(1.30)	0.12	(.)
SVK	77067	0.17	76935	17.38	(0.71)	82.57	(0.71)	0.05	(.)
ESP	344372	0.07	344114	49.77	(1.42)	50.19	(1.42)	0.04	(.)
SWE	107104	0.23	106861	89.50	(0.55)	10.44	(0.55)	0.06	(.)
CHE	86491	0.14	86370	78.89	(0.89)	20.80	(0.91)	0.30	(.)
TUR	481279	0.03	481137	14.39	(1.40)	85.51	(1.39)	0.09	(.)
GBR	698579	3.63	673243	80.64	(0.65)	19.25	(0.64)	0.11	(.)
USA	3147089	0.76	3123066	81.69	(0.88)	18.22	(0.88)	0.10	(.)
TOT	.	1.34	.	63.74	(0.39)	36.09	(0.38)	0.17	(0.05)
AVG	.	1.23	.	64.40	(0.23)	35.46	(0.23)	0.14	(0.02)
HKG	72484	0.21	72334	88.25	(0.81)	11.62	(0.80)	0.13	(.)
IDN	1971476	0.14	1968808	2.62	(0.43)	97.20	(0.43)	0.18	(.)
LVA	33643	0.22	33570	16.31	(0.91)	83.52	(0.92)	0.17	(.)
LIE	338	.	338	80.97	(1.99)	18.71	(2.02)	0.31	(.)
MAC	6546	.	6546	67.04	(1.46)	32.96	(1.46)	.	(.)
RUS	2153373	0.02	2152991	13.92	(0.98)	85.96	(0.98)	0.12	(.)
YUG	68596	0.51	68244	25.82	(1.11)	74.06	(1.09)	0.12	(.)
THA	637076	.	637076	18.67	(1.07)	81.33	(1.07)	.	(.)
TUN	150875	0.21	150560	10.64	(0.83)	89.26	(0.83)	0.11	(.)
URY	33775	0.15	33724	35.58	(1.17)	64.38	(1.17)	0.05	(.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A link to the Internet

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (2.03)	478 (4.72)	. (.)
AUT	85931	1.08	85003	511 (3.61)	453 (4.39)	. (.)
BEL	111831	1.79	109825	532 (2.30)	447 (5.43)	. (.)
CAN	330436	9.70	298375	536 (1.58)	492 (3.12)	. (.)
CZE	121183	4.06	116257	512 (2.83)	480 (3.15)	. (.)
DNK	51741	0.65	51406	500 (2.77)	455 (5.10)	. (.)
FIN	57884	0.07	57845	549 (1.79)	525 (2.81)	. (.)
FRA	734579	0.87	728167	520 (2.83)	469 (4.38)	. (.)
DEU	884358	5.57	835070	517 (3.23)	458 (4.55)	. (.)
GRC	105131	0.13	104991	494 (5.00)	461 (4.07)	. (.)
HUN	107044	0.06	106984	517 (3.93)	469 (2.58)	. (.)
ISL	3928	0.63	3903	494 (1.66)	477 (7.35)	. (.)
IRL	54850	1.03	54285	529 (2.63)	488 (3.76)	. (.)
ITA	481521	0.39	479638	496 (2.88)	443 (4.55)	. (.)
JPN	1240054	0.10	1238855	520 (3.97)	465 (4.75)	497 (101.2)
KOR	533504	0.02	533396	539 (3.00)	472 (6.51)	. (.)
LUX	4080	0.10	4076	498 (1.89)	425 (2.75)	. (.)
MEX	1071650	0.37	1067674	458 (5.77)	387 (3.54)	. (.)
NLD	184943	3.15	179126	524 (2.57)	462 (6.09)	. (.)
NZL	48638	0.69	48300	535 (2.39)	465 (4.70)	. (.)
NOR	52816	0.77	52407	505 (2.89)	468 (5.57)	. (.)
POL	534900	.	534900	525 (3.27)	482 (3.27)	. (.)
PRT	96857	0.23	96637	503 (3.90)	455 (4.20)	. (.)
SVK	77067	0.17	76935	503 (4.42)	462 (3.37)	. (.)
ESP	344372	0.07	344114	499 (2.89)	462 (3.04)	. (.)
SWE	107104	0.23	106861	520 (2.24)	469 (7.48)	. (.)
CHE	86491	0.14	86370	512 (3.21)	450 (4.21)	. (.)
TUR	481279	0.03	481137	510 (13.96)	430 (4.85)	. (.)
GBR	698579	3.63	673243	517 (2.72)	465 (3.80)	. (.)
USA	3147089	0.76	3123066	508 (3.08)	440 (4.59)	. (.)
TOT	.	1.34	.	515 (1.20)	443 (1.40)	404 (62.42)
AVG	.	1.23	.	517 (0.57)	456 (0.98)	404 (25.76)
HKG	72484	0.21	72334	515 (3.65)	469 (5.39)	. (.)
IDN	1971476	0.14	1968808	411 (11.42)	381 (3.24)	. (.)
LVA	33643	0.22	33570	509 (6.05)	487 (3.69)	. (.)
LIE	338	.	338	534 (4.24)	487 (10.64)	. (.)
MAC	6546	.	6546	504 (2.57)	484 (4.07)	. (.)
RUS	2153373	0.02	2152991	476 (5.38)	437 (4.05)	. (.)
YUG	68596	0.51	68244	439 (4.51)	403 (3.51)	. (.)
THA	637076	.	637076	468 (6.06)	409 (2.48)	. (.)
TUN	150875	0.21	150560	402 (9.00)	372 (2.55)	. (.)
URY	33775	0.15	33724	483 (4.65)	407 (3.80)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A link to the Internet

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.06)	475 (5.28)	. (.)
AUT	85931	1.08	85003	523 (3.31)	471 (4.15)	. (.)
BEL	111831	1.79	109825	555 (2.20)	467 (4.41)	. (.)
CAN	330436	9.70	298375	541 (1.64)	498 (3.24)	. (.)
CZE	121183	4.06	116257	543 (3.27)	502 (3.42)	. (.)
DNK	51741	0.65	51406	523 (2.83)	474 (4.32)	. (.)
FIN	57884	0.07	57845	552 (1.95)	520 (2.77)	. (.)
FRA	734579	0.87	728167	533 (2.88)	485 (3.71)	. (.)
DEU	884358	5.57	835070	527 (3.38)	468 (4.02)	. (.)
GRC	105131	0.13	104991	474 (4.98)	430 (3.73)	. (.)
HUN	107044	0.06	106984	530 (4.35)	476 (2.85)	. (.)
ISL	3928	0.63	3903	518 (1.54)	490 (7.22)	. (.)
IRL	54850	1.03	54285	518 (2.35)	473 (3.37)	. (.)
ITA	481521	0.39	479638	487 (2.93)	431 (3.92)	. (.)
JPN	1240054	0.10	1238855	554 (4.44)	504 (4.73)	559 (73.77)
KOR	533504	0.02	533396	548 (3.21)	471 (6.01)	. (.)
LUX	4080	0.10	4076	509 (1.26)	445 (2.41)	. (.)
MEX	1071650	0.37	1067674	437 (5.77)	374 (3.16)	. (.)
NLD	184943	3.15	179126	551 (2.68)	477 (7.16)	. (.)
NZL	48638	0.69	48300	537 (1.91)	465 (4.86)	. (.)
NOR	52816	0.77	52407	500 (2.47)	463 (5.04)	. (.)
POL	534900	.	534900	520 (2.80)	475 (2.88)	. (.)
PRT	96857	0.23	96637	495 (3.88)	441 (3.45)	. (.)
SVK	77067	0.17	76935	538 (4.22)	490 (3.57)	. (.)
ESP	344372	0.07	344114	506 (2.71)	465 (2.46)	. (.)
SWE	107104	0.23	106861	515 (2.39)	462 (6.72)	. (.)
CHE	86491	0.14	86370	540 (3.37)	475 (4.01)	. (.)
TUR	481279	0.03	481137	510 (15.76)	409 (5.29)	. (.)
GBR	698579	3.63	673243	518 (2.62)	466 (3.93)	. (.)
USA	3147089	0.76	3123066	496 (2.94)	428 (3.98)	. (.)
TOT	.	1.34	.	516 (1.09)	443 (1.42)	457 (54.64)
AVG	.	1.23	.	525 (0.54)	458 (0.97)	448 (23.33)
HKG	72484	0.21	72334	557 (4.52)	499 (6.38)	. (.)
IDN	1971476	0.14	1968808	408 (12.24)	359 (3.72)	. (.)
LVA	33643	0.22	33570	507 (5.81)	479 (3.72)	. (.)
LIE	338	.	338	549 (5.37)	481 (11.96)	. (.)
MAC	6546	.	6546	534 (3.96)	514 (5.54)	. (.)
RUS	2153373	0.02	2152991	508 (5.85)	462 (4.23)	. (.)
YUG	68596	0.51	68244	469 (4.63)	426 (3.59)	. (.)
THA	637076	.	637076	475 (6.63)	404 (2.63)	. (.)
TUN	150875	0.21	150560	397 (7.74)	354 (2.20)	. (.)
URY	33775	0.15	33724	470 (4.64)	396 (3.21)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A link to the Internet

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.04)	477 (5.00)	. (.)
AUT	85931	1.08	85003	509 (3.45)	456 (4.26)	. (.)
BEL	111831	1.79	109825	533 (2.33)	449 (4.62)	. (.)
CAN	330436	9.70	298375	528 (1.85)	479 (3.46)	. (.)
CZE	121183	4.06	116257	547 (3.15)	511 (3.69)	. (.)
DNK	51741	0.65	51406	484 (3.03)	435 (5.17)	. (.)
FIN	57884	0.07	57845	555 (2.11)	526 (3.24)	. (.)
FRA	734579	0.87	728167	540 (3.20)	477 (4.67)	. (.)
DEU	884358	5.57	835070	528 (3.50)	465 (4.47)	. (.)
GRC	105131	0.13	104991	508 (4.64)	467 (3.90)	. (.)
HUN	107044	0.06	106984	540 (4.25)	491 (2.74)	. (.)
ISL	3928	0.63	3903	498 (1.57)	467 (7.48)	. (.)
IRL	54850	1.03	54285	522 (2.55)	473 (3.65)	. (.)
ITA	481521	0.39	479638	509 (2.94)	449 (4.71)	. (.)
JPN	1240054	0.10	1238855	569 (4.62)	516 (5.05)	554 (72.03)
KOR	533504	0.02	533396	544 (3.48)	464 (6.95)	. (.)
LUX	4080	0.10	4076	500 (1.74)	429 (3.16)	. (.)
MEX	1071650	0.37	1067674	455 (5.72)	394 (2.81)	. (.)
NLD	184943	3.15	179126	536 (2.95)	463 (7.16)	. (.)
NZL	48638	0.69	48300	536 (2.26)	457 (4.97)	. (.)
NOR	52816	0.77	52407	490 (2.97)	450 (5.42)	. (.)
POL	534900	.	534900	531 (3.50)	481 (3.26)	. (.)
PRT	96857	0.23	96637	495 (3.76)	444 (3.93)	. (.)
SVK	77067	0.17	76935	537 (4.50)	486 (3.99)	. (.)
ESP	344372	0.07	344114	509 (3.07)	466 (2.94)	. (.)
SWE	107104	0.23	106861	512 (2.59)	456 (7.30)	. (.)
CHE	86491	0.14	86370	528 (3.65)	457 (4.70)	. (.)
TUR	481279	0.03	481137	511 (14.41)	421 (4.69)	. (.)
GBR	698579	3.63	673243	530 (2.81)	471 (4.01)	. (.)
USA	3147089	0.76	3123066	504 (3.08)	437 (4.34)	. (.)
TOT	.	1.34	.	522 (1.15)	452 (1.34)	462 (51.69)
AVG	.	1.23	.	521 (0.58)	463 (0.88)	447 (22.89)
HKG	72484	0.21	72334	547 (4.16)	488 (6.56)	. (.)
IDN	1971476	0.14	1968808	435 (8.72)	394 (3.11)	. (.)
LVA	33643	0.22	33570	512 (5.93)	485 (4.01)	. (.)
LIE	338	.	338	538 (5.58)	469 (12.13)	. (.)
MAC	6546	.	6546	526 (3.45)	522 (5.74)	. (.)
RUS	2153373	0.02	2152991	524 (5.48)	484 (4.26)	. (.)
YUG	68596	0.51	68244	466 (4.51)	426 (3.27)	. (.)
THA	637076	.	637076	487 (6.01)	416 (2.26)	. (.)
TUN	150875	0.21	150560	412 (7.83)	381 (2.35)	. (.)
URY	33775	0.15	33724	479 (4.47)	416 (3.07)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
A link to the Internet

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	539 (1.84)	485 (4.97)	. (.)
AUT	85931	1.08	85003	523 (3.20)	474 (4.06)	. (.)
BEL	111831	1.79	109825	549 (2.14)	467 (4.40)	. (.)
CAN	330436	9.70	298375	539 (1.59)	491 (3.14)	. (.)
CZE	121183	4.06	116257	543 (3.08)	503 (3.40)	. (.)
DNK	51741	0.65	51406	525 (2.54)	477 (4.47)	. (.)
FIN	57884	0.07	57845	555 (1.87)	524 (2.96)	. (.)
FRA	734579	0.87	728167	542 (3.05)	493 (3.99)	. (.)
DEU	884358	5.57	835070	533 (3.41)	480 (3.98)	. (.)
GRC	105131	0.13	104991	475 (5.33)	435 (3.73)	. (.)
HUN	107044	0.06	106984	542 (4.56)	487 (2.80)	. (.)
ISL	3928	0.63	3903	507 (1.52)	485 (5.88)	. (.)
IRL	54850	1.03	54285	511 (2.39)	473 (3.13)	. (.)
ITA	481521	0.39	479638	492 (2.76)	434 (4.38)	. (.)
JPN	1240054	0.10	1238855	568 (4.41)	516 (4.68)	530 (87.44)
KOR	533504	0.02	533396	555 (3.05)	486 (6.14)	. (.)
LUX	4080	0.10	4076	510 (1.63)	445 (2.66)	. (.)
MEX	1071650	0.37	1067674	448 (6.10)	371 (3.75)	. (.)
NLD	184943	3.15	179126	531 (2.78)	462 (7.53)	. (.)
NZL	48638	0.69	48300	546 (1.99)	478 (4.47)	. (.)
NOR	52816	0.77	52407	496 (2.70)	453 (5.61)	. (.)
POL	534900	.	534900	516 (3.11)	472 (3.12)	. (.)
PRT	96857	0.23	96637	498 (4.20)	445 (4.10)	. (.)
SVK	77067	0.17	76935	532 (4.35)	483 (3.56)	. (.)
ESP	344372	0.07	344114	503 (3.08)	462 (2.81)	. (.)
SWE	107104	0.23	106861	514 (2.24)	465 (6.29)	. (.)
CHE	86491	0.14	86370	534 (3.05)	473 (4.19)	. (.)
TUR	481279	0.03	481137	487 (13.89)	394 (4.88)	. (.)
GBR	698579	3.63	673243	520 (2.56)	467 (3.78)	. (.)
USA	3147089	0.76	3123066	490 (3.07)	424 (4.44)	. (.)
TOT	.	1.34	.	517 (1.16)	443 (1.57)	430 (58.96)
AVG	.	1.23	.	524 (0.54)	458 (1.06)	433 (24.39)
HKG	72484	0.21	72334	555 (4.07)	498 (6.98)	. (.)
IDN	1971476	0.14	1968808	409 (12.42)	360 (3.10)	. (.)
LVA	33643	0.22	33570	510 (6.61)	477 (3.85)	. (.)
LIE	338	.	338	541 (4.72)	480 (10.41)	. (.)
MAC	6546	.	6546	541 (3.48)	514 (4.76)	. (.)
RUS	2153373	0.02	2152991	526 (5.86)	471 (4.60)	. (.)
YUG	68596	0.51	68244	450 (4.16)	410 (3.25)	. (.)
THA	637076	.	637076	480 (5.76)	412 (2.38)	. (.)
TUN	150875	0.21	150560	376 (6.72)	341 (1.94)	. (.)
URY	33775	0.15	33724	461 (5.29)	383 (3.81)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Your own calculator

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	97.15 (0.18)	2.76 (0.18)	0.10 (.)
AUT	85931	1.08	85003	98.65 (0.22)	1.35 (0.22)	. (.)
BEL	111831	1.79	109825	97.09 (0.26)	2.77 (0.26)	0.13 (.)
CAN	330436	9.70	298375	97.94 (0.17)	1.97 (0.17)	0.09 (.)
CZE	121183	4.06	116257	97.59 (0.26)	2.22 (0.25)	0.19 (.)
DNK	51741	0.65	51406	97.00 (0.29)	2.98 (0.28)	0.02 (.)
FIN	57884	0.07	57845	96.55 (0.27)	3.38 (0.27)	0.06 (.)
FRA	734579	0.87	728167	97.87 (0.27)	2.11 (0.27)	0.02 (.)
DEU	884358	5.57	835070	98.25 (0.26)	1.60 (0.26)	0.14 (.)
GRC	105131	0.13	104991	74.14 (0.95)	25.66 (0.93)	0.19 (.)
HUN	107044	0.06	106984	90.85 (0.54)	8.75 (0.53)	0.39 (.)
ISL	3928	0.63	3903	98.97 (0.19)	0.94 (0.18)	0.09 (.)
IRL	54850	1.03	54285	97.14 (0.29)	2.72 (0.27)	0.14 (.)
ITA	481521	0.39	479638	94.28 (0.40)	5.68 (0.41)	0.04 (.)
JPN	1240054	0.10	1238855	68.30 (1.03)	31.03 (0.96)	0.67 (0.45)
KOR	533504	0.02	533396	60.03 (0.92)	39.73 (0.93)	0.24 (.)
LUX	4080	0.10	4076	97.31 (0.25)	2.36 (0.23)	0.33 (.)
MEX	1071650	0.37	1067674	80.18 (0.86)	19.60 (0.86)	0.22 (.)
NLD	184943	3.15	179126	98.21 (0.27)	1.71 (0.26)	0.07 (.)
NZL	48638	0.69	48300	96.33 (0.26)	3.65 (0.27)	0.02 (.)
NOR	52816	0.77	52407	97.20 (0.33)	2.70 (0.32)	0.09 (.)
POL	534900	.	534900	97.15 (0.28)	2.78 (0.27)	0.08 (.)
PRT	96857	0.23	96637	95.47 (0.45)	4.41 (0.45)	0.12 (.)
SVK	77067	0.17	76935	96.47 (0.47)	3.49 (0.45)	0.05 (.)
ESP	344372	0.07	344114	95.81 (0.25)	4.15 (0.24)	0.04 (.)
SWE	107104	0.23	106861	91.51 (0.53)	8.43 (0.53)	0.06 (.)
CHE	86491	0.14	86370	97.75 (0.22)	1.98 (0.21)	0.27 (.)
TUR	481279	0.03	481137	75.14 (1.42)	24.77 (1.39)	0.09 (.)
GBR	698579	3.63	673243	96.91 (0.26)	2.98 (0.25)	0.11 (.)
USA	3147089	0.76	3123066	92.99 (0.44)	6.91 (0.42)	0.10 (.)
TOT	.	1.34	.	88.66 (0.22)	11.17 (0.21)	0.17 (0.05)
AVG	.	1.23	.	92.28 (0.10)	7.58 (0.10)	0.14 (0.02)
HKG	72484	0.21	72334	95.24 (0.36)	4.63 (0.35)	0.13 (.)
IDN	1971476	0.14	1968808	59.96 (1.08)	39.86 (1.08)	0.18 (.)
LVA	33643	0.22	33570	93.30 (0.66)	6.59 (0.65)	0.11 (.)
LIE	338	.	338	98.20 (0.74)	1.49 (.)	0.31 (.)
MAC	6546	.	6546	86.90 (1.08)	13.10 (1.08)	. (.)
RUS	2153373	0.02	2152991	91.36 (0.54)	8.52 (0.55)	0.11 (.)
YUG	68596	0.51	68244	86.31 (0.99)	13.59 (0.98)	0.09 (.)
THA	637076	.	637076	82.41 (0.99)	17.59 (0.99)	. (.)
TUN	150875	0.21	150560	54.16 (1.19)	45.74 (1.18)	0.11 (.)
URY	33775	0.15	33724	87.03 (0.67)	12.92 (0.67)	0.05 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Your own calculator

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.07)	460 (7.52)	. (.)
AUT	85931	1.08	85003	494 (3.46)	414 (15.75)	. (.)
BEL	111831	1.79	109825	515 (2.60)	346 (12.68)	. (.)
CAN	330436	9.70	298375	533 (1.54)	469 (9.32)	. (.)
CZE	121183	4.06	116257	497 (2.77)	454 (9.52)	. (.)
DNK	51741	0.65	51406	495 (2.71)	426 (9.57)	. (.)
FIN	57884	0.07	57845	545 (1.64)	502 (7.61)	. (.)
FRA	734579	0.87	728167	499 (2.65)	401 (13.78)	. (.)
DEU	884358	5.57	835070	503 (3.44)	385 (15.66)	. (.)
GRC	105131	0.13	104991	485 (3.90)	437 (5.45)	. (.)
HUN	107044	0.06	106984	486 (2.54)	436 (7.22)	. (.)
ISL	3928	0.63	3903	493 (1.60)	424 (24.56)	. (.)
IRL	54850	1.03	54285	517 (2.59)	465 (11.37)	. (.)
ITA	481521	0.39	479638	480 (2.86)	412 (8.11)	. (.)
JPN	1240054	0.10	1238855	506 (3.81)	482 (5.49)	495 (98.27)
KOR	533504	0.02	533396	543 (3.26)	521 (3.55)	. (.)
LUX	4080	0.10	4076	481 (1.51)	416 (12.12)	. (.)
MEX	1071650	0.37	1067674	412 (4.32)	352 (5.02)	. (.)
NLD	184943	3.15	179126	519 (2.72)	438 (9.39)	. (.)
NZL	48638	0.69	48300	525 (2.41)	442 (9.41)	. (.)
NOR	52816	0.77	52407	502 (2.74)	434 (11.67)	. (.)
POL	534900	.	534900	498 (2.77)	467 (12.36)	. (.)
PRT	96857	0.23	96637	481 (3.49)	401 (10.66)	. (.)
SVK	77067	0.17	76935	472 (2.81)	388 (11.10)	. (.)
ESP	344372	0.07	344114	484 (2.64)	410 (6.79)	. (.)
SWE	107104	0.23	106861	520 (2.32)	462 (6.68)	. (.)
CHE	86491	0.14	86370	501 (3.30)	424 (10.27)	. (.)
TUR	481279	0.03	481137	454 (5.96)	403 (5.81)	. (.)
GBR	698579	3.63	673243	509 (2.68)	429 (9.02)	. (.)
USA	3147089	0.76	3123066	501 (3.05)	421 (8.02)	. (.)
TOT	.	1.34	.	495 (1.13)	443 (2.69)	405 (61.33)
AVG	.	1.23	.	499 (0.60)	445 (1.86)	404 (25.76)
HKG	72484	0.21	72334	513 (3.45)	440 (8.26)	. (.)
IDN	1971476	0.14	1968808	390 (3.63)	370 (3.63)	. (.)
LVA	33643	0.22	33570	493 (3.44)	453 (10.85)	. (.)
LIE	338	.	338	526 (3.64)	. (.)	. (.)
MAC	6546	.	6546	502 (2.41)	469 (7.87)	. (.)
RUS	2153373	0.02	2152991	447 (3.83)	392 (6.44)	. (.)
YUG	68596	0.51	68244	419 (3.44)	370 (6.28)	. (.)
THA	637076	.	637076	423 (3.05)	405 (3.82)	. (.)
TUN	150875	0.21	150560	390 (3.85)	356 (2.89)	. (.)
URY	33775	0.15	33724	441 (3.58)	386 (6.17)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Your own calculator

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.13)	458 (6.71)	. (.)
AUT	85931	1.08	85003	508 (3.10)	431 (16.73)	. (.)
BEL	111831	1.79	109825	537 (2.33)	384 (9.04)	. (.)
CAN	330436	9.70	298375	537 (1.59)	492 (9.74)	. (.)
CZE	121183	4.06	116257	523 (3.22)	484 (9.30)	. (.)
DNK	51741	0.65	51406	517 (2.72)	450 (8.20)	. (.)
FIN	57884	0.07	57845	546 (1.85)	494 (7.17)	. (.)
FRA	734579	0.87	728167	514 (2.40)	422 (11.49)	. (.)
DEU	884358	5.57	835070	513 (3.40)	414 (12.76)	. (.)
GRC	105131	0.13	104991	459 (3.78)	405 (4.32)	. (.)
HUN	107044	0.06	106984	495 (2.93)	436 (7.08)	. (.)
ISL	3928	0.63	3903	516 (1.47)	464 (18.09)	. (.)
IRL	54850	1.03	54285	504 (2.41)	459 (10.02)	. (.)
ITA	481521	0.39	479638	469 (3.01)	406 (7.47)	. (.)
JPN	1240054	0.10	1238855	540 (4.14)	521 (5.07)	557 (71.85)
KOR	533504	0.02	533396	552 (3.62)	527 (3.63)	. (.)
LUX	4080	0.10	4076	495 (0.93)	440 (10.39)	. (.)
MEX	1071650	0.37	1067674	396 (3.82)	342 (4.49)	. (.)
NLD	184943	3.15	179126	544 (2.85)	450 (9.43)	. (.)
NZL	48638	0.69	48300	527 (2.19)	449 (8.72)	. (.)
NOR	52816	0.77	52407	497 (2.34)	445 (9.95)	. (.)
POL	534900	.	534900	491 (2.46)	464 (9.42)	. (.)
PRT	96857	0.23	96637	470 (3.11)	395 (10.63)	. (.)
SVK	77067	0.17	76935	501 (3.09)	427 (10.80)	. (.)
ESP	344372	0.07	344114	488 (2.43)	423 (6.54)	. (.)
SWE	107104	0.23	106861	514 (2.52)	455 (5.64)	. (.)
CHE	86491	0.14	86370	528 (3.39)	452 (8.91)	. (.)
TUR	481279	0.03	481137	438 (7.20)	380 (5.34)	. (.)
GBR	698579	3.63	673243	510 (2.69)	437 (8.27)	. (.)
USA	3147089	0.76	3123066	488 (2.86)	415 (6.28)	. (.)
TOT	.	1.34	.	495 (1.03)	451 (2.71)	457 (53.66)
AVG	.	1.23	.	505 (0.59)	447 (1.94)	447 (23.31)
HKG	72484	0.21	72334	555 (4.36)	472 (9.43)	. (.)
IDN	1971476	0.14	1968808	369 (4.31)	348 (3.92)	. (.)
LVA	33643	0.22	33570	487 (3.49)	433 (9.21)	. (.)
LIE	338	.	338	537 (4.20)	. (.)	. (.)
MAC	6546	.	6546	534 (2.87)	485 (8.59)	. (.)
RUS	2153373	0.02	2152991	473 (4.15)	423 (6.37)	. (.)
YUG	68596	0.51	68244	444 (3.72)	396 (5.38)	. (.)
THA	637076	.	637076	421 (3.24)	398 (3.79)	. (.)
TUN	150875	0.21	150560	376 (3.64)	338 (2.32)	. (.)
URY	33775	0.15	33724	429 (3.35)	377 (5.44)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Your own calculator

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.06)	459 (7.21)	. (.)
AUT	85931	1.08	85003	494 (3.28)	420 (17.18)	. (.)
BEL	111831	1.79	109825	516 (2.49)	362 (9.94)	. (.)
CAN	330436	9.70	298375	524 (1.79)	464 (10.15)	. (.)
CZE	121183	4.06	116257	529 (3.09)	481 (10.79)	. (.)
DNK	51741	0.65	51406	478 (2.95)	409 (10.11)	. (.)
FIN	57884	0.07	57845	550 (1.94)	496 (8.66)	. (.)
FRA	734579	0.87	728167	514 (2.98)	418 (14.49)	. (.)
DEU	884358	5.57	835070	513 (3.68)	418 (15.10)	. (.)
GRC	105131	0.13	104991	494 (3.82)	444 (4.48)	. (.)
HUN	107044	0.06	106984	508 (2.83)	452 (6.84)	. (.)
ISL	3928	0.63	3903	496 (1.53)	430 (17.17)	. (.)
IRL	54850	1.03	54285	506 (2.66)	455 (11.00)	. (.)
ITA	481521	0.39	479638	490 (3.04)	431 (8.97)	. (.)
JPN	1240054	0.10	1238855	554 (4.21)	535 (5.62)	551 (71.53)
KOR	533504	0.02	533396	548 (3.98)	524 (3.93)	. (.)
LUX	4080	0.10	4076	484 (1.56)	417 (12.71)	. (.)
MEX	1071650	0.37	1067674	414 (3.64)	368 (4.24)	. (.)
NLD	184943	3.15	179126	530 (3.10)	437 (12.70)	. (.)
NZL	48638	0.69	48300	525 (2.32)	446 (9.78)	. (.)
NOR	52816	0.77	52407	487 (2.83)	415 (11.56)	. (.)
POL	534900	.	534900	499 (2.80)	476 (10.95)	. (.)
PRT	96857	0.23	96637	472 (3.22)	394 (10.10)	. (.)
SVK	77067	0.17	76935	498 (3.25)	400 (25.50)	. (.)
ESP	344372	0.07	344114	490 (2.63)	423 (7.80)	. (.)
SWE	107104	0.23	106861	512 (2.75)	450 (6.78)	. (.)
CHE	86491	0.14	86370	515 (3.70)	434 (9.51)	. (.)
TUR	481279	0.03	481137	447 (6.25)	397 (5.57)	. (.)
GBR	698579	3.63	673243	520 (2.81)	450 (9.02)	. (.)
USA	3147089	0.76	3123066	497 (2.98)	427 (6.95)	. (.)
TOT	.	1.34	.	501 (1.05)	463 (2.72)	462 (51.01)
AVG	.	1.23	.	504 (0.57)	456 (1.85)	447 (22.87)
HKG	72484	0.21	72334	543 (4.14)	469 (8.11)	. (.)
IDN	1971476	0.14	1968808	403 (3.55)	384 (3.34)	. (.)
LVA	33643	0.22	33570	492 (3.62)	446 (11.77)	. (.)
LIE	338	.	338	526 (4.39)	. (.)	. (.)
MAC	6546	.	6546	530 (3.24)	492 (9.07)	. (.)
RUS	2153373	0.02	2152991	493 (4.12)	445 (6.29)	. (.)
YUG	68596	0.51	68244	442 (3.54)	402 (5.66)	. (.)
THA	637076	.	637076	434 (2.94)	407 (3.97)	. (.)
TUN	150875	0.21	150560	399 (3.65)	368 (2.82)	. (.)
URY	33775	0.15	33724	444 (3.02)	399 (6.84)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Your own calculator

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.98)	466 (5.53)	. (.)
AUT	85931	1.08	85003	509 (3.00)	445 (17.45)	. (.)
BEL	111831	1.79	109825	532 (2.27)	391 (9.67)	. (.)
CAN	330436	9.70	298375	534 (1.55)	492 (8.32)	. (.)
CZE	121183	4.06	116257	523 (3.07)	483 (9.44)	. (.)
DNK	51741	0.65	51406	519 (2.51)	460 (7.98)	. (.)
FIN	57884	0.07	57845	549 (1.86)	501 (7.18)	. (.)
FRA	734579	0.87	728167	522 (2.59)	434 (11.97)	. (.)
DEU	884358	5.57	835070	520 (3.34)	428 (13.06)	. (.)
GRC	105131	0.13	104991	461 (4.02)	412 (4.28)	. (.)
HUN	107044	0.06	106984	506 (2.92)	453 (7.49)	. (.)
ISL	3928	0.63	3903	506 (1.46)	446 (20.52)	. (.)
IRL	54850	1.03	54285	499 (2.33)	461 (10.00)	. (.)
ITA	481521	0.39	479638	474 (2.89)	401 (9.44)	. (.)
JPN	1240054	0.10	1238855	554 (4.17)	533 (5.37)	529 (84.44)
KOR	533504	0.02	533396	559 (3.31)	538 (3.51)	. (.)
LUX	4080	0.10	4076	495 (1.40)	442 (11.97)	. (.)
MEX	1071650	0.37	1067674	397 (4.56)	337 (5.10)	. (.)
NLD	184943	3.15	179126	525 (2.94)	431 (10.05)	. (.)
NZL	48638	0.69	48300	536 (2.09)	458 (8.52)	. (.)
NOR	52816	0.77	52407	492 (2.57)	435 (11.68)	. (.)
POL	534900	.	534900	487 (2.70)	469 (11.14)	. (.)
PRT	96857	0.23	96637	474 (3.52)	390 (12.20)	. (.)
SVK	77067	0.17	76935	494 (3.13)	424 (12.16)	. (.)
ESP	344372	0.07	344114	485 (2.78)	424 (7.25)	. (.)
SWE	107104	0.23	106861	514 (2.40)	459 (5.91)	. (.)
CHE	86491	0.14	86370	523 (3.05)	447 (10.20)	. (.)
TUR	481279	0.03	481137	421 (6.30)	368 (5.54)	. (.)
GBR	698579	3.63	673243	512 (2.58)	440 (8.81)	. (.)
USA	3147089	0.76	3123066	483 (3.03)	408 (6.88)	. (.)
TOT	.	1.34	.	495 (1.10)	454 (2.98)	431 (57.84)
AVG	.	1.23	.	505 (0.59)	450 (2.13)	433 (24.20)
HKG	72484	0.21	72334	552 (4.00)	473 (9.03)	. (.)
IDN	1971476	0.14	1968808	369 (3.67)	351 (3.38)	. (.)
LVA	33643	0.22	33570	486 (3.64)	430 (10.60)	. (.)
LIE	338	.	338	531 (4.05)	. (.)	. (.)
MAC	6546	.	6546	539 (2.75)	491 (9.27)	. (.)
RUS	2153373	0.02	2152991	483 (4.56)	430 (6.80)	. (.)
YUG	68596	0.51	68244	427 (3.28)	379 (5.10)	. (.)
THA	637076	.	637076	429 (2.99)	407 (3.31)	. (.)
TUN	150875	0.21	150560	362 (3.01)	324 (2.27)	. (.)
URY	33775	0.15	33724	418 (3.90)	362 (6.71)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Classic literature (e.g., <Shakespeare>)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	36.44 (0.78)	63.45 (0.78)	0.12 (.)
AUT	85931	1.08	85003	33.96 (1.32)	66.04 (1.32)	. (.)
BEL	111831	1.79	109825	35.60 (1.02)	64.23 (1.01)	0.17 (.)
CAN	330436	9.70	298375	40.34 (0.71)	59.57 (0.71)	0.09 (.)
CZE	121183	4.06	116257	74.17 (0.85)	25.64 (0.84)	0.19 (.)
DNK	51741	0.65	51406	61.82 (1.17)	38.16 (1.17)	0.02 (.)
FIN	57884	0.07	57845	47.35 (0.75)	52.59 (0.75)	0.06 (.)
FRA	734579	0.87	728167	65.16 (1.06)	34.81 (1.06)	0.02 (.)
DEU	884358	5.57	835070	38.39 (0.97)	61.47 (0.96)	0.14 (.)
GRC	105131	0.13	104991	74.68 (1.10)	25.17 (1.09)	0.15 (.)
HUN	107044	0.06	106984	67.63 (0.83)	31.97 (0.84)	0.39 (.)
ISL	3928	0.63	3903	73.42 (0.76)	26.47 (0.76)	0.11 (.)
IRL	54850	1.03	54285	30.12 (0.94)	69.74 (0.93)	0.14 (.)
ITA	481521	0.39	479638	63.74 (0.96)	36.22 (0.96)	0.04 (.)
JPN	1240054	0.10	1238855	42.47 (1.28)	56.86 (1.22)	0.67 (0.45)
KOR	533504	0.02	533396	64.36 (0.92)	35.40 (0.92)	0.24 (.)
LUX	4080	0.10	4076	35.14 (0.67)	64.18 (0.67)	0.69 (.)
MEX	1071650	0.37	1067674	17.17 (1.23)	82.61 (1.23)	0.22 (.)
NLD	184943	3.15	179126	25.77 (1.09)	74.16 (1.10)	0.07 (.)
NZL	48638	0.69	48300	26.78 (0.73)	73.11 (0.72)	0.11 (.)
NOR	52816	0.77	52407	51.00 (1.13)	48.88 (1.13)	0.12 (.)
POL	534900	.	534900	82.43 (0.84)	17.49 (0.83)	0.08 (.)
PRT	96857	0.23	96637	56.80 (1.33)	43.08 (1.32)	0.12 (.)
SVK	77067	0.17	76935	70.14 (1.17)	29.81 (1.17)	0.05 (.)
ESP	344372	0.07	344114	63.62 (0.92)	36.34 (0.91)	0.04 (.)
SWE	107104	0.23	106861	51.87 (1.19)	48.07 (1.19)	0.06 (.)
CHE	86491	0.14	86370	24.13 (1.12)	75.50 (1.14)	0.37 (.)
TUR	481279	0.03	481137	51.32 (1.78)	48.59 (1.77)	0.09 (.)
GBR	698579	3.63	673243	45.60 (1.02)	54.25 (1.02)	0.15 (.)
USA	3147089	0.76	3123066	42.12 (1.13)	57.79 (1.13)	0.10 (.)
TOT	.	1.34	.	46.54 (0.37)	53.29 (0.36)	0.18 (0.05)
AVG	.	1.23	.	49.85 (0.20)	49.99 (0.19)	0.16 (0.02)
HKG	72484	0.21	72334	41.23 (1.29)	58.64 (1.28)	0.13 (.)
IDN	1971476	0.14	1968808	21.11 (0.87)	78.71 (0.87)	0.18 (.)
LVA	33643	0.22	33570	73.97 (1.03)	25.91 (1.02)	0.13 (.)
LIE	338	.	338	22.80 (2.33)	76.60 (2.30)	0.61 (.)
MAC	6546	.	6546	38.31 (1.58)	61.69 (1.58)	. (.)
RUS	2153373	0.02	2152991	82.78 (1.03)	17.12 (1.03)	0.10 (.)
YUG	68596	0.51	68244	56.36 (1.36)	43.55 (1.35)	0.09 (.)
THA	637076	.	637076	25.49 (0.78)	74.51 (0.78)	. (.)
TUN	150875	0.21	150560	32.81 (0.86)	67.09 (0.86)	0.11 (.)
URY	33775	0.15	33724	57.27 (1.26)	42.66 (1.25)	0.07 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Classic literature (e.g., <Shakespeare>)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	558 (2.51)	508 (2.25)	. (.)
AUT	85931	1.08	85003	548 (3.81)	465 (3.15)	. (.)
BEL	111831	1.79	109825	550 (2.63)	489 (3.32)	. (.)
CAN	330436	9.70	298375	555 (2.06)	515 (1.72)	. (.)
CZE	121183	4.06	116257	509 (2.67)	458 (3.98)	. (.)
DNK	51741	0.65	51406	518 (2.69)	452 (3.21)	. (.)
FIN	57884	0.07	57845	562 (2.20)	527 (1.90)	. (.)
FRA	734579	0.87	728167	524 (2.64)	447 (4.42)	. (.)
DEU	884358	5.57	835070	544 (3.24)	475 (3.68)	. (.)
GRC	105131	0.13	104991	490 (4.04)	422 (4.86)	. (.)
HUN	107044	0.06	106984	508 (2.81)	426 (3.33)	. (.)
ISL	3928	0.63	3903	501 (1.85)	469 (3.29)	. (.)
IRL	54850	1.03	54285	553 (2.98)	499 (2.79)	. (.)
ITA	481521	0.39	479638	496 (2.72)	441 (4.55)	. (.)
JPN	1240054	0.10	1238855	536 (4.29)	470 (4.21)	495 (98.27)
KOR	533504	0.02	533396	551 (3.15)	503 (3.95)	. (.)
LUX	4080	0.10	4076	517 (2.57)	459 (1.96)	. (.)
MEX	1071650	0.37	1067674	464 (6.63)	387 (3.51)	. (.)
NLD	184943	3.15	179126	550 (3.78)	506 (3.01)	. (.)
NZL	48638	0.69	48300	570 (3.35)	505 (2.54)	. (.)
NOR	52816	0.77	52407	528 (3.33)	472 (3.05)	. (.)
POL	534900	.	534900	509 (2.63)	437 (5.17)	. (.)
PRT	96857	0.23	96637	505 (3.45)	442 (4.38)	. (.)
SVK	77067	0.17	76935	486 (2.56)	429 (5.40)	. (.)
ESP	344372	0.07	344114	498 (2.78)	450 (3.18)	. (.)
SWE	107104	0.23	106861	543 (2.50)	484 (2.99)	. (.)
CHE	86491	0.14	86370	545 (5.00)	484 (2.95)	. (.)
TUR	481279	0.03	481137	470 (6.95)	410 (4.17)	. (.)
GBR	698579	3.63	673243	539 (3.41)	479 (2.51)	. (.)
USA	3147089	0.76	3123066	536 (3.31)	467 (3.30)	. (.)
TOT	.	1.34	.	524 (1.11)	458 (1.41)	407 (59.45)
AVG	.	1.23	.	521 (0.66)	470 (0.75)	417 (20.64)
HKG	72484	0.21	72334	529 (3.46)	497 (4.20)	. (.)
IDN	1971476	0.14	1968808	391 (4.29)	379 (3.35)	. (.)
LVA	33643	0.22	33570	504 (3.59)	453 (4.82)	. (.)
LIE	338	.	338	573 (10.05)	511 (5.06)	. (.)
MAC	6546	.	6546	508 (3.29)	491 (2.85)	. (.)
RUS	2153373	0.02	2152991	453 (3.82)	390 (4.27)	. (.)
YUG	68596	0.51	68244	436 (3.63)	381 (3.51)	. (.)
THA	637076	.	637076	439 (4.38)	414 (2.72)	. (.)
TUN	150875	0.21	150560	403 (4.54)	361 (2.74)	. (.)
URY	33775	0.15	33724	465 (3.34)	392 (4.67)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Classic literature (e.g., <Shakespeare>)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	553 (2.53)	508 (2.33)	. (.)
AUT	85931	1.08	85003	554 (3.58)	483 (3.00)	. (.)
BEL	111831	1.79	109825	570 (2.68)	512 (2.85)	. (.)
CAN	330436	9.70	298375	555 (2.28)	523 (1.77)	. (.)
CZE	121183	4.06	116257	535 (3.12)	485 (4.39)	. (.)
DNK	51741	0.65	51406	539 (2.59)	476 (2.95)	. (.)
FIN	57884	0.07	57845	563 (2.48)	528 (2.07)	. (.)
FRA	734579	0.87	728167	535 (2.64)	469 (3.73)	. (.)
DEU	884358	5.57	835070	551 (3.24)	486 (3.62)	. (.)
GRC	105131	0.13	104991	462 (3.78)	394 (4.34)	. (.)
HUN	107044	0.06	106984	516 (2.96)	435 (3.80)	. (.)
ISL	3928	0.63	3903	524 (1.61)	491 (3.16)	. (.)
IRL	54850	1.03	54285	537 (2.74)	488 (2.59)	. (.)
ITA	481521	0.39	479638	481 (2.97)	438 (4.12)	. (.)
JPN	1240054	0.10	1238855	568 (5.09)	509 (4.21)	557 (71.85)
KOR	533504	0.02	533396	561 (3.68)	508 (3.90)	. (.)
LUX	4080	0.10	4076	531 (2.13)	473 (1.34)	. (.)
MEX	1071650	0.37	1067674	445 (5.59)	373 (3.09)	. (.)
NLD	184943	3.15	179126	580 (4.19)	530 (3.19)	. (.)
NZL	48638	0.69	48300	565 (3.02)	509 (2.45)	. (.)
NOR	52816	0.77	52407	521 (2.79)	469 (2.71)	. (.)
POL	534900	.	534900	501 (2.35)	442 (4.40)	. (.)
PRT	96857	0.23	96637	492 (3.26)	433 (3.92)	. (.)
SVK	77067	0.17	76935	513 (2.82)	464 (6.18)	. (.)
ESP	344372	0.07	344114	501 (2.59)	459 (2.98)	. (.)
SWE	107104	0.23	106861	538 (2.77)	479 (2.86)	. (.)
CHE	86491	0.14	86370	573 (5.29)	512 (2.87)	. (.)
TUR	481279	0.03	481137	453 (8.43)	393 (4.59)	. (.)
GBR	698579	3.63	673243	537 (3.24)	484 (2.52)	. (.)
USA	3147089	0.76	3123066	520 (3.27)	457 (2.84)	. (.)
TOT	.	1.34	.	523 (1.09)	461 (1.30)	458 (52.20)
AVG	.	1.23	.	524 (0.69)	477 (0.76)	455 (19.06)
HKG	72484	0.21	72334	577 (4.43)	532 (4.95)	. (.)
IDN	1971476	0.14	1968808	372 (5.17)	357 (3.80)	. (.)
LVA	33643	0.22	33570	496 (3.73)	446 (4.34)	. (.)
LIE	338	.	338	595 (11.33)	519 (5.22)	. (.)
MAC	6546	.	6546	547 (5.16)	515 (3.55)	. (.)
RUS	2153373	0.02	2152991	477 (4.06)	424 (4.47)	. (.)
YUG	68596	0.51	68244	459 (3.84)	409 (3.77)	. (.)
THA	637076	.	637076	440 (4.75)	409 (2.83)	. (.)
TUN	150875	0.21	150560	384 (4.23)	346 (2.25)	. (.)
URY	33775	0.15	33724	449 (3.42)	387 (3.87)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Classic literature (e.g., <Shakespeare>)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	561 (2.62)	505 (2.16)	. (.)
AUT	85931	1.08	85003	544 (3.52)	466 (3.16)	. (.)
BEL	111831	1.79	109825	551 (2.74)	490 (3.07)	. (.)
CAN	330436	9.70	298375	548 (2.46)	505 (1.98)	. (.)
CZE	121183	4.06	116257	542 (2.99)	488 (4.42)	. (.)
DNK	51741	0.65	51406	503 (2.56)	431 (3.37)	. (.)
FIN	57884	0.07	57845	573 (2.57)	526 (2.02)	. (.)
FRA	734579	0.87	728167	544 (3.10)	453 (4.67)	. (.)
DEU	884358	5.57	835070	558 (3.37)	482 (3.87)	. (.)
GRC	105131	0.13	104991	497 (3.86)	436 (4.45)	. (.)
HUN	107044	0.06	106984	529 (3.30)	450 (3.55)	. (.)
ISL	3928	0.63	3903	506 (1.85)	465 (3.50)	. (.)
IRL	54850	1.03	54285	548 (2.91)	486 (2.81)	. (.)
ITA	481521	0.39	479638	506 (3.01)	454 (4.51)	. (.)
JPN	1240054	0.10	1238855	586 (5.16)	519 (4.37)	551 (71.53)
KOR	533504	0.02	533396	559 (3.85)	502 (4.41)	. (.)
LUX	4080	0.10	4076	525 (2.74)	460 (2.22)	. (.)
MEX	1071650	0.37	1067674	465 (5.94)	393 (2.81)	. (.)
NLD	184943	3.15	179126	568 (4.48)	514 (3.35)	. (.)
NZL	48638	0.69	48300	566 (3.29)	506 (2.47)	. (.)
NOR	52816	0.77	52407	511 (3.52)	457 (3.33)	. (.)
POL	534900	.	534900	510 (2.79)	440 (5.10)	. (.)
PRT	96857	0.23	96637	495 (3.22)	432 (4.26)	. (.)
SVK	77067	0.17	76935	511 (2.79)	457 (7.21)	. (.)
ESP	344372	0.07	344114	505 (2.85)	457 (3.51)	. (.)
SWE	107104	0.23	106861	538 (2.87)	472 (3.24)	. (.)
CHE	86491	0.14	86370	572 (5.79)	494 (3.07)	. (.)
TUR	481279	0.03	481137	461 (7.51)	406 (4.22)	. (.)
GBR	698579	3.63	673243	553 (3.48)	489 (2.56)	. (.)
USA	3147089	0.76	3123066	533 (3.42)	462 (2.97)	. (.)
TOT	.	1.34	.	534 (1.13)	464 (1.28)	463 (49.66)
AVG	.	1.23	.	528 (0.67)	473 (0.69)	453 (18.45)
HKG	72484	0.21	72334	565 (4.03)	522 (4.76)	. (.)
IDN	1971476	0.14	1968808	409 (4.23)	392 (3.12)	. (.)
LVA	33643	0.22	33570	503 (3.90)	450 (4.90)	. (.)
LIE	338	.	338	590 (12.82)	506 (5.80)	. (.)
MAC	6546	.	6546	542 (4.86)	514 (3.55)	. (.)
RUS	2153373	0.02	2152991	499 (4.07)	441 (4.92)	. (.)
YUG	68596	0.51	68244	458 (3.81)	410 (3.52)	. (.)
THA	637076	.	637076	451 (4.49)	422 (2.54)	. (.)
TUN	150875	0.21	150560	409 (4.47)	373 (2.62)	. (.)
URY	33775	0.15	33724	466 (3.52)	401 (3.92)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Classic literature (e.g., <Shakespeare>)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	559 (2.30)	514 (2.19)	. (.)
AUT	85931	1.08	85003	554 (3.62)	484 (2.78)	. (.)
BEL	111831	1.79	109825	563 (2.58)	509 (2.73)	. (.)
CAN	330436	9.70	298375	555 (2.20)	519 (1.77)	. (.)
CZE	121183	4.06	116257	535 (2.99)	486 (4.06)	. (.)
DNK	51741	0.65	51406	542 (2.52)	477 (2.67)	. (.)
FIN	57884	0.07	57845	567 (2.49)	531 (1.99)	. (.)
FRA	734579	0.87	728167	543 (2.72)	477 (3.93)	. (.)
DEU	884358	5.57	835070	558 (3.25)	495 (3.63)	. (.)
GRC	105131	0.13	104991	465 (3.87)	402 (4.72)	. (.)
HUN	107044	0.06	106984	529 (3.05)	442 (3.73)	. (.)
ISL	3928	0.63	3903	514 (1.69)	482 (2.98)	. (.)
IRL	54850	1.03	54285	530 (2.81)	485 (2.44)	. (.)
ITA	481521	0.39	479638	488 (2.86)	438 (4.42)	. (.)
JPN	1240054	0.10	1238855	581 (4.94)	522 (4.33)	529 (84.44)
KOR	533504	0.02	533396	567 (3.40)	521 (3.68)	. (.)
LUX	4080	0.10	4076	526 (2.18)	476 (1.80)	. (.)
MEX	1071650	0.37	1067674	450 (6.44)	371 (3.75)	. (.)
NLD	184943	3.15	179126	558 (4.13)	511 (3.33)	. (.)
NZL	48638	0.69	48300	574 (3.00)	518 (2.29)	. (.)
NOR	52816	0.77	52407	518 (3.12)	462 (2.95)	. (.)
POL	534900	.	534900	497 (2.61)	439 (4.57)	. (.)
PRT	96857	0.23	96637	497 (3.56)	434 (4.70)	. (.)
SVK	77067	0.17	76935	507 (2.89)	455 (6.23)	. (.)
ESP	344372	0.07	344114	498 (2.99)	455 (3.32)	. (.)
SWE	107104	0.23	106861	535 (2.81)	481 (2.68)	. (.)
CHE	86491	0.14	86370	565 (4.53)	507 (2.72)	. (.)
TUR	481279	0.03	481137	437 (7.16)	376 (4.28)	. (.)
GBR	698579	3.63	673243	538 (3.25)	486 (2.51)	. (.)
USA	3147089	0.76	3123066	517 (3.45)	449 (3.00)	. (.)
TOT	.	1.34	.	525 (1.10)	460 (1.42)	432 (56.28)
AVG	.	1.23	.	525 (0.66)	477 (0.82)	441 (19.82)
HKG	72484	0.21	72334	573 (3.77)	531 (4.76)	. (.)
IDN	1971476	0.14	1968808	369 (4.76)	360 (3.19)	. (.)
LVA	33643	0.22	33570	496 (3.74)	443 (5.24)	. (.)
LIE	338	.	338	586 (10.39)	513 (4.76)	. (.)
MAC	6546	.	6546	553 (4.50)	519 (2.98)	. (.)
RUS	2153373	0.02	2152991	489 (4.39)	429 (5.31)	. (.)
YUG	68596	0.51	68244	441 (3.43)	394 (3.26)	. (.)
THA	637076	.	637076	445 (4.46)	418 (2.68)	. (.)
TUN	150875	0.21	150560	370 (3.71)	333 (2.02)	. (.)
URY	33775	0.15	33724	440 (4.03)	371 (4.26)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books of poetry

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	40.25 (0.63)	59.64 (0.62)	0.11 (.)
AUT	85931	1.08	85003	56.04 (0.93)	43.91 (0.93)	0.06 (.)
BEL	111831	1.79	109825	32.43 (0.87)	67.42 (0.87)	0.15 (.)
CAN	330436	9.70	298375	41.65 (0.63)	58.26 (0.63)	0.09 (.)
CZE	121183	4.06	116257	53.93 (1.00)	45.89 (0.99)	0.18 (.)
DNK	51741	0.65	51406	31.13 (1.05)	68.85 (1.05)	0.02 (.)
FIN	57884	0.07	57845	47.05 (0.84)	52.88 (0.84)	0.06 (.)
FRA	734579	0.87	728167	42.10 (1.18)	57.88 (1.18)	0.02 (.)
DEU	884358	5.57	835070	55.58 (0.92)	44.28 (0.91)	0.14 (.)
GRC	105131	0.13	104991	45.82 (1.07)	54.05 (1.06)	0.13 (.)
HUN	107044	0.06	106984	75.80 (0.88)	23.80 (0.88)	0.39 (.)
ISL	3928	0.63	3903	81.05 (0.74)	18.84 (0.74)	0.11 (.)
IRL	54850	1.03	54285	40.52 (0.93)	59.34 (0.92)	0.14 (.)
ITA	481521	0.39	479638	54.58 (0.77)	45.37 (0.77)	0.04 (.)
JPN	1240054	0.10	1238855	24.63 (0.89)	74.72 (0.89)	0.65 (0.45)
KOR	533504	0.02	533396	62.03 (0.88)	37.74 (0.89)	0.24 (.)
LUX	4080	0.10	4076	49.35 (0.78)	50.22 (0.78)	0.43 (.)
MEX	1071650	0.37	1067674	33.90 (1.15)	65.88 (1.15)	0.22 (.)
NLD	184943	3.15	179126	28.94 (1.15)	70.99 (1.14)	0.07 (.)
NZL	48638	0.69	48300	41.81 (0.88)	58.13 (0.87)	0.06 (.)
NOR	52816	0.77	52407	46.50 (1.03)	53.41 (1.02)	0.09 (.)
POL	534900	.	534900	52.03 (1.12)	47.89 (1.10)	0.08 (.)
PRT	96857	0.23	96637	49.21 (1.17)	50.67 (1.17)	0.12 (.)
SVK	77067	0.17	76935	63.42 (1.14)	36.50 (1.14)	0.07 (.)
ESP	344372	0.07	344114	59.28 (1.07)	40.69 (1.07)	0.04 (.)
SWE	107104	0.23	106861	37.12 (1.03)	62.82 (1.03)	0.06 (.)
CHE	86491	0.14	86370	36.51 (1.18)	63.19 (1.19)	0.31 (.)
TUR	481279	0.03	481137	53.44 (1.16)	46.47 (1.15)	0.09 (.)
GBR	698579	3.63	673243	46.74 (1.00)	53.13 (1.00)	0.13 (.)
USA	3147089	0.76	3123066	44.77 (0.87)	55.13 (0.87)	0.10 (.)
TOT	.	1.34	.	44.58 (0.33)	55.25 (0.32)	0.17 (0.05)
AVG	.	1.23	.	47.61 (0.19)	52.24 (0.19)	0.15 (0.02)
HKG	72484	0.21	72334	32.75 (1.36)	67.12 (1.36)	0.13 (.)
IDN	1971476	0.14	1968808	17.49 (0.61)	82.33 (0.64)	0.18 (.)
LVA	33643	0.22	33570	71.75 (1.17)	28.14 (1.16)	0.11 (.)
LIE	338	.	338	48.51 (2.73)	51.18 (2.79)	0.31 (.)
MAC	6546	.	6546	31.43 (1.36)	68.57 (1.36)	. (.)
RUS	2153373	0.02	2152991	79.42 (0.93)	20.48 (0.93)	0.10 (.)
YUG	68596	0.51	68244	60.59 (1.09)	39.29 (1.09)	0.12 (.)
THA	637076	.	637076	45.42 (1.08)	54.58 (1.08)	. (.)
TUN	150875	0.21	150560	24.51 (0.81)	75.39 (0.82)	0.11 (.)
URY	33775	0.15	33724	60.18 (0.78)	39.78 (0.77)	0.05 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books of poetry

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	546 (2.72)	512 (2.16)	. (.)
AUT	85931	1.08	85003	514 (3.69)	466 (3.69)	. (.)
BEL	111831	1.79	109825	550 (2.48)	492 (3.42)	. (.)
CAN	330436	9.70	298375	549 (2.03)	519 (1.77)	. (.)
CZE	121183	4.06	116257	513 (2.74)	477 (3.35)	. (.)
DNK	51741	0.65	51406	527 (3.48)	477 (2.81)	. (.)
FIN	57884	0.07	57845	559 (2.17)	530 (1.86)	. (.)
FRA	734579	0.87	728167	528 (3.05)	475 (3.60)	. (.)
DEU	884358	5.57	835070	516 (4.10)	483 (3.60)	. (.)
GRC	105131	0.13	104991	492 (4.70)	456 (4.38)	. (.)
HUN	107044	0.06	106984	498 (2.62)	429 (4.04)	. (.)
ISL	3928	0.63	3903	499 (1.72)	464 (4.07)	. (.)
IRL	54850	1.03	54285	534 (2.95)	502 (2.98)	. (.)
ITA	481521	0.39	479638	491 (3.23)	458 (3.65)	. (.)
JPN	1240054	0.10	1238855	529 (5.29)	488 (3.88)	497 (101.2)
KOR	533504	0.02	533396	548 (3.17)	511 (3.77)	. (.)
LUX	4080	0.10	4076	497 (2.06)	463 (2.31)	. (.)
MEX	1071650	0.37	1067674	427 (5.60)	386 (3.84)	. (.)
NLD	184943	3.15	179126	543 (3.68)	507 (2.99)	. (.)
NZL	48638	0.69	48300	547 (3.22)	505 (2.63)	. (.)
NOR	52816	0.77	52407	529 (3.35)	476 (3.10)	. (.)
POL	534900	.	534900	522 (2.93)	470 (3.46)	. (.)
PRT	96857	0.23	96637	496 (4.03)	460 (4.08)	. (.)
SVK	77067	0.17	76935	483 (2.97)	445 (4.14)	. (.)
ESP	344372	0.07	344114	499 (2.76)	453 (3.15)	. (.)
SWE	107104	0.23	106861	545 (3.43)	497 (2.52)	. (.)
CHE	86491	0.14	86370	509 (4.18)	493 (3.04)	. (.)
TUR	481279	0.03	481137	454 (7.28)	426 (4.81)	. (.)
GBR	698579	3.63	673243	530 (3.55)	486 (2.45)	. (.)
USA	3147089	0.76	3123066	521 (3.77)	475 (3.26)	. (.)
TOT	.	1.34	.	512 (1.28)	470 (1.24)	404 (61.62)
AVG	.	1.23	.	514 (0.68)	478 (0.67)	408 (23.86)
HKG	72484	0.21	72334	526 (5.87)	502 (3.60)	. (.)
IDN	1971476	0.14	1968808	380 (5.41)	382 (3.17)	. (.)
LVA	33643	0.22	33570	505 (3.58)	455 (4.73)	. (.)
LIE	338	.	338	540 (6.23)	511 (5.89)	. (.)
MAC	6546	.	6546	497 (3.84)	498 (2.76)	. (.)
RUS	2153373	0.02	2152991	454 (3.83)	398 (4.67)	. (.)
YUG	68596	0.51	68244	430 (3.62)	385 (3.52)	. (.)
THA	637076	.	637076	432 (3.57)	410 (2.84)	. (.)
TUN	150875	0.21	150560	401 (5.07)	366 (2.74)	. (.)
URY	33775	0.15	33724	449 (3.65)	411 (4.48)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books of poetry

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	540 (2.54)	514 (2.42)	. (.)
AUT	85931	1.08	85003	521 (3.55)	490 (3.38)	. (.)
BEL	111831	1.79	109825	568 (2.44)	516 (2.84)	. (.)
CAN	330436	9.70	298375	546 (2.23)	529 (1.72)	. (.)
CZE	121183	4.06	116257	539 (3.24)	503 (3.71)	. (.)
DNK	51741	0.65	51406	547 (3.45)	500 (2.70)	. (.)
FIN	57884	0.07	57845	556 (2.33)	534 (1.94)	. (.)
FRA	734579	0.87	728167	537 (2.94)	493 (3.17)	. (.)
DEU	884358	5.57	835070	522 (3.96)	498 (3.53)	. (.)
GRC	105131	0.13	104991	464 (4.45)	429 (3.83)	. (.)
HUN	107044	0.06	106984	506 (2.95)	439 (4.10)	. (.)
ISL	3928	0.63	3903	522 (1.48)	489 (3.94)	. (.)
IRL	54850	1.03	54285	516 (2.89)	494 (2.72)	. (.)
ITA	481521	0.39	479638	477 (3.64)	452 (3.22)	. (.)
JPN	1240054	0.10	1238855	558 (5.46)	526 (4.06)	559 (73.77)
KOR	533504	0.02	533396	556 (3.72)	520 (3.58)	. (.)
LUX	4080	0.10	4076	507 (1.68)	480 (1.52)	. (.)
MEX	1071650	0.37	1067674	408 (4.68)	374 (3.42)	. (.)
NLD	184943	3.15	179126	569 (4.05)	532 (3.06)	. (.)
NZL	48638	0.69	48300	544 (2.86)	510 (2.53)	. (.)
NOR	52816	0.77	52407	520 (2.77)	474 (2.55)	. (.)
POL	534900	.	534900	511 (2.64)	467 (2.93)	. (.)
PRT	96857	0.23	96637	484 (3.64)	449 (3.60)	. (.)
SVK	77067	0.17	76935	509 (3.15)	480 (4.52)	. (.)
ESP	344372	0.07	344114	501 (2.64)	463 (2.70)	. (.)
SWE	107104	0.23	106861	536 (3.61)	494 (2.75)	. (.)
CHE	86491	0.14	86370	531 (4.81)	524 (3.02)	. (.)
TUR	481279	0.03	481137	435 (8.72)	411 (5.42)	. (.)
GBR	698579	3.63	673243	527 (3.47)	491 (2.45)	. (.)
USA	3147089	0.76	3123066	502 (3.70)	468 (2.87)	. (.)
TOT	.	1.34	.	508 (1.22)	475 (1.20)	457 (53.92)
AVG	.	1.23	.	516 (0.67)	487 (0.70)	451 (21.88)
HKG	72484	0.21	72334	570 (7.27)	541 (4.47)	. (.)
IDN	1971476	0.14	1968808	359 (5.72)	361 (3.77)	. (.)
LVA	33643	0.22	33570	497 (3.64)	448 (4.75)	. (.)
LIE	338	.	338	553 (7.06)	520 (5.73)	. (.)
MAC	6546	.	6546	532 (5.15)	525 (3.83)	. (.)
RUS	2153373	0.02	2152991	478 (4.18)	431 (4.40)	. (.)
YUG	68596	0.51	68244	451 (3.78)	415 (4.04)	. (.)
THA	637076	.	637076	429 (3.68)	407 (3.11)	. (.)
TUN	150875	0.21	150560	385 (4.96)	351 (2.26)	. (.)
URY	33775	0.15	33724	431 (3.58)	409 (3.80)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books of poetry

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	548 (2.66)	511 (2.29)	. (.)
AUT	85931	1.08	85003	509 (3.55)	473 (3.67)	. (.)
BEL	111831	1.79	109825	547 (2.41)	495 (3.07)	. (.)
CAN	330436	9.70	298375	538 (2.39)	511 (2.00)	. (.)
CZE	121183	4.06	116257	546 (3.04)	508 (3.75)	. (.)
DNK	51741	0.65	51406	515 (3.37)	458 (3.02)	. (.)
FIN	57884	0.07	57845	566 (2.56)	532 (1.97)	. (.)
FRA	734579	0.87	728167	548 (3.52)	486 (3.91)	. (.)
DEU	884358	5.57	835070	526 (4.32)	493 (3.69)	. (.)
GRC	105131	0.13	104991	500 (4.33)	466 (3.96)	. (.)
HUN	107044	0.06	106984	519 (2.99)	454 (3.70)	. (.)
ISL	3928	0.63	3903	503 (1.63)	461 (4.10)	. (.)
IRL	54850	1.03	54285	527 (3.02)	490 (2.88)	. (.)
ITA	481521	0.39	479638	501 (3.42)	470 (3.72)	. (.)
JPN	1240054	0.10	1238855	578 (6.02)	538 (4.14)	554 (72.03)
KOR	533504	0.02	533396	553 (3.94)	514 (3.88)	. (.)
LUX	4080	0.10	4076	499 (2.03)	466 (2.37)	. (.)
MEX	1071650	0.37	1067674	430 (4.96)	392 (3.07)	. (.)
NLD	184943	3.15	179126	556 (4.08)	517 (3.43)	. (.)
NZL	48638	0.69	48300	542 (3.11)	507 (2.84)	. (.)
NOR	52816	0.77	52407	510 (3.71)	463 (3.06)	. (.)
POL	534900	.	534900	524 (3.28)	470 (3.33)	. (.)
PRT	96857	0.23	96637	487 (3.65)	450 (4.07)	. (.)
SVK	77067	0.17	76935	507 (3.39)	475 (5.82)	. (.)
ESP	344372	0.07	344114	505 (2.86)	461 (3.32)	. (.)
SWE	107104	0.23	106861	537 (3.83)	489 (3.11)	. (.)
CHE	86491	0.14	86370	525 (5.02)	506 (3.33)	. (.)
TUR	481279	0.03	481137	445 (7.63)	422 (4.90)	. (.)
GBR	698579	3.63	673243	543 (3.70)	496 (2.56)	. (.)
USA	3147089	0.76	3123066	515 (3.79)	473 (3.02)	. (.)
TOT	.	1.34	.	518 (1.21)	479 (1.19)	462 (51.11)
AVG	.	1.23	.	519 (0.61)	483 (0.67)	450 (21.33)
HKG	72484	0.21	72334	559 (6.57)	530 (4.24)	. (.)
IDN	1971476	0.14	1968808	400 (4.61)	394 (3.11)	. (.)
LVA	33643	0.22	33570	504 (3.83)	452 (4.40)	. (.)
LIE	338	.	338	545 (6.78)	507 (7.04)	. (.)
MAC	6546	.	6546	525 (5.43)	524 (3.67)	. (.)
RUS	2153373	0.02	2152991	499 (4.12)	450 (4.79)	. (.)
YUG	68596	0.51	68244	452 (3.80)	413 (3.40)	. (.)
THA	637076	.	637076	441 (3.53)	419 (2.82)	. (.)
TUN	150875	0.21	150560	414 (5.08)	375 (2.45)	. (.)
URY	33775	0.15	33724	450 (3.40)	421 (3.89)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books of poetry

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	547 (2.51)	519 (2.13)	. (.)
AUT	85931	1.08	85003	522 (3.33)	490 (3.32)	. (.)
BEL	111831	1.79	109825	561 (2.53)	513 (2.70)	. (.)
CAN	330436	9.70	298375	546 (2.12)	525 (1.76)	. (.)
CZE	121183	4.06	116257	539 (3.06)	503 (3.56)	. (.)
DNK	51741	0.65	51406	550 (3.18)	502 (2.49)	. (.)
FIN	57884	0.07	57845	561 (2.34)	536 (2.04)	. (.)
FRA	734579	0.87	728167	545 (2.95)	502 (3.38)	. (.)
DEU	884358	5.57	835070	530 (3.84)	505 (3.51)	. (.)
GRC	105131	0.13	104991	464 (4.61)	436 (3.98)	. (.)
HUN	107044	0.06	106984	519 (2.96)	445 (4.13)	. (.)
ISL	3928	0.63	3903	512 (1.43)	478 (3.80)	. (.)
IRL	54850	1.03	54285	511 (2.77)	489 (2.59)	. (.)
ITA	481521	0.39	479638	483 (3.40)	454 (3.58)	. (.)
JPN	1240054	0.10	1238855	572 (5.21)	539 (4.11)	530 (87.44)
KOR	533504	0.02	533396	562 (3.45)	531 (3.45)	. (.)
LUX	4080	0.10	4076	504 (1.72)	483 (2.04)	. (.)
MEX	1071650	0.37	1067674	410 (5.77)	372 (3.96)	. (.)
NLD	184943	3.15	179126	548 (3.99)	513 (3.33)	. (.)
NZL	48638	0.69	48300	553 (2.81)	519 (2.49)	. (.)
NOR	52816	0.77	52407	518 (3.07)	467 (2.87)	. (.)
POL	534900	.	534900	507 (2.99)	465 (3.08)	. (.)
PRT	96857	0.23	96637	489 (3.91)	452 (4.25)	. (.)
SVK	77067	0.17	76935	504 (3.11)	471 (4.53)	. (.)
ESP	344372	0.07	344114	499 (3.07)	458 (3.08)	. (.)
SWE	107104	0.23	106861	534 (3.39)	494 (2.50)	. (.)
CHE	86491	0.14	86370	527 (4.18)	518 (2.74)	. (.)
TUR	481279	0.03	481137	420 (7.65)	394 (5.03)	. (.)
GBR	698579	3.63	673243	530 (3.35)	492 (2.31)	. (.)
USA	3147089	0.76	3123066	500 (3.98)	460 (2.96)	. (.)
TOT	.	1.34	.	509 (1.33)	475 (1.24)	430 (58.20)
AVG	.	1.23	.	517 (0.68)	486 (0.72)	437 (22.65)
HKG	72484	0.21	72334	566 (6.66)	539 (4.10)	. (.)
IDN	1971476	0.14	1968808	361 (4.83)	362 (3.23)	. (.)
LVA	33643	0.22	33570	497 (3.73)	446 (5.44)	. (.)
LIE	338	.	338	545 (6.51)	515 (5.47)	. (.)
MAC	6546	.	6546	539 (4.82)	529 (3.36)	. (.)
RUS	2153373	0.02	2152991	489 (4.65)	437 (4.72)	. (.)
YUG	68596	0.51	68244	435 (3.43)	399 (3.54)	. (.)
THA	637076	.	637076	437 (3.44)	415 (2.90)	. (.)
TUN	150875	0.21	150560	369 (4.22)	337 (2.03)	. (.)
URY	33775	0.15	33724	423 (4.10)	393 (4.35)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Works of art (e.g., paintings)

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	54.74	(0.61)	45.15	(0.60)	0.11	(.)
AUT	85931	1.08	85003	50.36	(1.09)	49.62	(1.09)	0.02	(.)
BEL	111831	1.79	109825	43.06	(0.98)	56.79	(0.97)	0.15	(.)
CAN	330436	9.70	298375	62.80	(0.61)	37.11	(0.61)	0.09	(.)
CZE	121183	4.06	116257	47.87	(0.98)	51.96	(0.98)	0.16	(.)
DNK	51741	0.65	51406	52.22	(1.22)	47.75	(1.21)	0.02	(.)
FIN	57884	0.07	57845	63.64	(0.83)	36.30	(0.83)	0.06	(.)
FRA	734579	0.87	728167	32.84	(1.05)	67.14	(1.05)	0.02	(.)
DEU	884358	5.57	835070	51.71	(0.88)	48.14	(0.87)	0.14	(.)
GRC	105131	0.13	104991	52.53	(1.38)	47.34	(1.37)	0.13	(.)
HUN	107044	0.06	106984	39.15	(0.84)	60.46	(0.85)	0.39	(.)
ISL	3928	0.63	3903	82.79	(0.65)	17.09	(0.65)	0.11	(.)
IRL	54850	1.03	54285	44.81	(1.08)	55.06	(1.07)	0.14	(.)
ITA	481521	0.39	479638	49.81	(0.84)	50.15	(0.84)	0.04	(.)
JPN	1240054	0.10	1238855	28.75	(0.88)	70.60	(0.89)	0.65	(0.45)
KOR	533504	0.02	533396	38.63	(1.18)	61.13	(1.19)	0.24	(.)
LUX	4080	0.10	4076	56.75	(0.67)	42.84	(0.67)	0.41	(.)
MEX	1071650	0.37	1067674	16.14	(0.85)	83.64	(0.86)	0.22	(.)
NLD	184943	3.15	179126	53.51	(1.09)	46.41	(1.09)	0.07	(.)
NZL	48638	0.69	48300	55.32	(0.78)	44.66	(0.78)	0.02	(.)
NOR	52816	0.77	52407	65.10	(0.89)	34.79	(0.89)	0.11	(.)
POL	534900	.	534900	40.19	(1.09)	59.73	(1.08)	0.08	(.)
PRT	96857	0.23	96637	31.15	(1.19)	68.73	(1.19)	0.12	(.)
SVK	77067	0.17	76935	53.05	(0.93)	46.90	(0.92)	0.05	(.)
ESP	344372	0.07	344114	41.45	(1.13)	58.52	(1.13)	0.04	(.)
SWE	107104	0.23	106861	67.75	(1.00)	32.18	(0.99)	0.06	(.)
CHE	86491	0.14	86370	41.80	(1.25)	57.89	(1.26)	0.31	(.)
TUR	481279	0.03	481137	28.51	(1.28)	71.40	(1.27)	0.09	(.)
GBR	698579	3.63	673243	49.28	(0.90)	50.61	(0.90)	0.11	(.)
USA	3147089	0.76	3123066	53.69	(0.88)	46.21	(0.88)	0.10	(.)
TOT	.	1.34	.	43.11	(0.33)	56.72	(0.33)	0.17	(0.05)
AVG	.	1.23	.	48.25	(0.19)	51.61	(0.19)	0.14	(0.02)
HKG	72484	0.21	72334	20.68	(1.01)	79.19	(1.00)	0.13	(.)
IDN	1971476	0.14	1968808	31.51	(0.98)	68.30	(0.99)	0.18	(.)
LVA	33643	0.22	33570	47.84	(0.97)	52.05	(0.97)	0.11	(.)
LIE	338	.	338	41.83	(2.73)	57.25	(2.75)	0.92	(.)
MAC	6546	.	6546	18.37	(1.09)	81.63	(1.09)	.	(.)
RUS	2153373	0.02	2152991	41.17	(0.98)	58.70	(0.98)	0.13	(.)
YUG	68596	0.51	68244	45.89	(1.09)	54.02	(1.07)	0.09	(.)
THA	637076	.	637076	50.67	(0.91)	49.33	(0.91)	.	(.)
TUN	150875	0.21	150560	15.39	(0.95)	84.50	(0.94)	0.11	(.)
URY	33775	0.15	33724	36.64	(1.21)	63.31	(1.21)	0.05	(.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Works of art (e.g., paintings)

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	540 (2.39)	509 (2.16)	. (.)
AUT	85931	1.08	85003	517 (3.64)	469 (3.75)	. (.)
BEL	111831	1.79	109825	544 (2.21)	485 (3.61)	. (.)
CAN	330436	9.70	298375	544 (1.85)	510 (2.15)	. (.)
CZE	121183	4.06	116257	509 (2.88)	484 (3.06)	. (.)
DNK	51741	0.65	51406	514 (2.83)	470 (3.43)	. (.)
FIN	57884	0.07	57845	555 (1.86)	524 (2.23)	. (.)
FRA	734579	0.87	728167	523 (3.69)	484 (3.07)	. (.)
DEU	884358	5.57	835070	516 (3.83)	485 (3.94)	. (.)
GRC	105131	0.13	104991	489 (4.56)	455 (4.12)	. (.)
HUN	107044	0.06	106984	506 (3.23)	466 (2.70)	. (.)
ISL	3928	0.63	3903	498 (1.79)	467 (4.69)	. (.)
IRL	54850	1.03	54285	531 (3.46)	502 (2.73)	. (.)
ITA	481521	0.39	479638	495 (2.72)	457 (3.81)	. (.)
JPN	1240054	0.10	1238855	517 (4.73)	491 (4.04)	497 (101.2)
KOR	533504	0.02	533396	554 (3.84)	522 (3.39)	. (.)
LUX	4080	0.10	4076	497 (1.83)	457 (2.76)	. (.)
MEX	1071650	0.37	1067674	446 (6.56)	391 (3.84)	. (.)
NLD	184943	3.15	179126	532 (2.76)	501 (3.86)	. (.)
NZL	48638	0.69	48300	541 (2.68)	499 (3.07)	. (.)
NOR	52816	0.77	52407	519 (2.92)	467 (3.70)	. (.)
POL	534900	.	534900	510 (3.56)	488 (3.26)	. (.)
PRT	96857	0.23	96637	505 (3.76)	466 (4.03)	. (.)
SVK	77067	0.17	76935	485 (2.84)	451 (4.01)	. (.)
ESP	344372	0.07	344114	498 (3.16)	469 (2.71)	. (.)
SWE	107104	0.23	106861	531 (2.49)	481 (3.83)	. (.)
CHE	86491	0.14	86370	514 (3.52)	488 (3.36)	. (.)
TUR	481279	0.03	481137	474 (8.75)	428 (4.87)	. (.)
GBR	698579	3.63	673243	527 (3.40)	487 (2.51)	. (.)
USA	3147089	0.76	3123066	519 (3.37)	469 (3.34)	. (.)
TOT	.	1.34	.	516 (1.26)	468 (1.25)	405 (61.93)
AVG	.	1.23	.	517 (0.59)	475 (0.77)	411 (24.21)
HKG	72484	0.21	72334	523 (4.66)	507 (3.72)	. (.)
IDN	1971476	0.14	1968808	391 (4.05)	378 (3.40)	. (.)
LVA	33643	0.22	33570	501 (3.67)	481 (4.35)	. (.)
LIE	338	.	338	536 (7.98)	517 (5.77)	. (.)
MAC	6546	.	6546	492 (4.27)	499 (2.62)	. (.)
RUS	2153373	0.02	2152991	453 (4.57)	434 (3.89)	. (.)
YUG	68596	0.51	68244	433 (3.53)	395 (3.75)	. (.)
THA	637076	.	637076	423 (3.47)	417 (2.99)	. (.)
TUN	150875	0.21	150560	387 (6.59)	373 (2.65)	. (.)
URY	33775	0.15	33724	459 (4.24)	420 (4.01)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Works of art (e.g., paintings)

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	536 (2.29)	511 (2.56)	. (.)
AUT	85931	1.08	85003	525 (3.47)	490 (3.60)	. (.)
BEL	111831	1.79	109825	564 (2.33)	509 (3.14)	. (.)
CAN	330436	9.70	298375	545 (1.85)	521 (2.18)	. (.)
CZE	121183	4.06	116257	535 (3.36)	511 (3.49)	. (.)
DNK	51741	0.65	51406	536 (2.90)	491 (3.09)	. (.)
FIN	57884	0.07	57845	554 (2.16)	527 (2.61)	. (.)
FRA	734579	0.87	728167	534 (3.33)	501 (2.85)	. (.)
DEU	884358	5.57	835070	523 (3.73)	499 (3.79)	. (.)
GRC	105131	0.13	104991	462 (4.58)	427 (3.55)	. (.)
HUN	107044	0.06	106984	511 (3.35)	476 (3.14)	. (.)
ISL	3928	0.63	3903	520 (1.49)	493 (3.90)	. (.)
IRL	54850	1.03	54285	514 (3.12)	493 (2.69)	. (.)
ITA	481521	0.39	479638	482 (3.49)	450 (3.41)	. (.)
JPN	1240054	0.10	1238855	549 (5.23)	528 (4.10)	559 (73.77)
KOR	533504	0.02	533396	564 (4.69)	528 (3.40)	. (.)
LUX	4080	0.10	4076	508 (1.69)	474 (2.02)	. (.)
MEX	1071650	0.37	1067674	426 (6.00)	378 (3.43)	. (.)
NLD	184943	3.15	179126	559 (2.98)	524 (3.98)	. (.)
NZL	48638	0.69	48300	541 (2.40)	504 (2.87)	. (.)
NOR	52816	0.77	52407	511 (2.41)	466 (3.48)	. (.)
POL	534900	.	534900	498 (3.12)	485 (2.96)	. (.)
PRT	96857	0.23	96637	496 (3.45)	453 (3.69)	. (.)
SVK	77067	0.17	76935	510 (3.04)	485 (4.24)	. (.)
ESP	344372	0.07	344114	504 (2.75)	472 (2.49)	. (.)
SWE	107104	0.23	106861	525 (2.60)	477 (3.57)	. (.)
CHE	86491	0.14	86370	538 (3.92)	518 (3.34)	. (.)
TUR	481279	0.03	481137	458 (10.72)	410 (5.34)	. (.)
GBR	698579	3.63	673243	526 (3.44)	490 (2.46)	. (.)
USA	3147089	0.76	3123066	504 (3.25)	459 (3.00)	. (.)
TOT	.	1.34	.	514 (1.21)	471 (1.22)	458 (54.22)
AVG	.	1.23	.	521 (0.63)	482 (0.80)	454 (21.79)
HKG	72484	0.21	72334	570 (5.63)	546 (4.60)	. (.)
IDN	1971476	0.14	1968808	373 (4.77)	355 (3.79)	. (.)
LVA	33643	0.22	33570	492 (3.72)	475 (4.29)	. (.)
LIE	338	.	338	553 (8.91)	524 (6.25)	. (.)
MAC	6546	.	6546	523 (6.96)	528 (3.23)	. (.)
RUS	2153373	0.02	2152991	474 (4.56)	464 (4.40)	. (.)
YUG	68596	0.51	68244	454 (3.94)	423 (3.95)	. (.)
THA	637076	.	637076	422 (3.58)	412 (3.22)	. (.)
TUN	150875	0.21	150560	376 (5.60)	356 (2.38)	. (.)
URY	33775	0.15	33724	442 (4.21)	411 (3.80)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Works of art (e.g., paintings)

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	541 (2.41)	507 (2.22)	. (.)
AUT	85931	1.08	85003	512 (3.51)	473 (3.70)	. (.)
BEL	111831	1.79	109825	543 (2.35)	488 (3.37)	. (.)
CAN	330436	9.70	298375	535 (2.12)	502 (2.44)	. (.)
CZE	121183	4.06	116257	543 (3.28)	515 (3.42)	. (.)
DNK	51741	0.65	51406	500 (2.74)	449 (3.65)	. (.)
FIN	57884	0.07	57845	562 (2.20)	524 (2.60)	. (.)
FRA	734579	0.87	728167	546 (4.16)	496 (3.40)	. (.)
DEU	884358	5.57	835070	527 (4.03)	495 (4.21)	. (.)
GRC	105131	0.13	104991	497 (4.41)	464 (3.81)	. (.)
HUN	107044	0.06	106984	524 (3.69)	490 (2.98)	. (.)
ISL	3928	0.63	3903	501 (1.68)	469 (4.57)	. (.)
IRL	54850	1.03	54285	523 (3.53)	490 (2.76)	. (.)
ITA	481521	0.39	479638	506 (3.43)	468 (3.65)	. (.)
JPN	1240054	0.10	1238855	566 (5.58)	540 (4.29)	554 (72.03)
KOR	533504	0.02	533396	561 (4.95)	524 (3.79)	. (.)
LUX	4080	0.10	4076	500 (2.09)	459 (2.62)	. (.)
MEX	1071650	0.37	1067674	450 (6.21)	396 (3.24)	. (.)
NLD	184943	3.15	179126	545 (3.12)	508 (4.37)	. (.)
NZL	48638	0.69	48300	539 (2.51)	500 (3.09)	. (.)
NOR	52816	0.77	52407	501 (2.96)	455 (4.13)	. (.)
POL	534900	.	534900	513 (3.55)	488 (3.16)	. (.)
PRT	96857	0.23	96637	498 (3.47)	454 (3.79)	. (.)
SVK	77067	0.17	76935	509 (3.23)	479 (5.12)	. (.)
ESP	344372	0.07	344114	506 (3.10)	474 (2.69)	. (.)
SWE	107104	0.23	106861	523 (2.88)	471 (4.19)	. (.)
CHE	86491	0.14	86370	531 (4.14)	500 (3.67)	. (.)
TUR	481279	0.03	481137	467 (9.74)	421 (4.66)	. (.)
GBR	698579	3.63	673243	541 (3.61)	496 (2.57)	. (.)
USA	3147089	0.76	3123066	515 (3.50)	465 (3.04)	. (.)
TOT	.	1.34	.	523 (1.27)	477 (1.17)	463 (51.31)
AVG	.	1.23	.	522 (0.60)	480 (0.74)	453 (21.40)
HKG	72484	0.21	72334	557 (5.03)	535 (4.38)	. (.)
IDN	1971476	0.14	1968808	407 (3.83)	390 (3.19)	. (.)
LVA	33643	0.22	33570	499 (3.90)	480 (4.79)	. (.)
LIE	338	.	338	545 (9.03)	511 (7.26)	. (.)
MAC	6546	.	6546	525 (6.88)	525 (3.38)	. (.)
RUS	2153373	0.02	2152991	496 (4.49)	484 (4.35)	. (.)
YUG	68596	0.51	68244	453 (3.94)	423 (3.57)	. (.)
THA	637076	.	637076	433 (3.45)	425 (2.91)	. (.)
TUN	150875	0.21	150560	399 (5.91)	382 (2.62)	. (.)
URY	33775	0.15	33724	463 (4.12)	424 (3.46)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Works of art (e.g., paintings)

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (2.13)	516 (2.24)	. (.)
AUT	85931	1.08	85003	525 (3.32)	490 (3.30)	. (.)
BEL	111831	1.79	109825	558 (2.28)	506 (2.96)	. (.)
CAN	330436	9.70	298375	543 (1.85)	517 (2.25)	. (.)
CZE	121183	4.06	116257	536 (3.25)	511 (3.33)	. (.)
DNK	51741	0.65	51406	539 (2.57)	493 (2.84)	. (.)
FIN	57884	0.07	57845	558 (2.12)	530 (2.53)	. (.)
FRA	734579	0.87	728167	542 (3.36)	510 (3.00)	. (.)
DEU	884358	5.57	835070	531 (3.63)	506 (3.71)	. (.)
GRC	105131	0.13	104991	463 (4.75)	433 (3.86)	. (.)
HUN	107044	0.06	106984	526 (3.59)	485 (3.14)	. (.)
ISL	3928	0.63	3903	510 (1.42)	481 (4.03)	. (.)
IRL	54850	1.03	54285	510 (3.08)	489 (2.51)	. (.)
ITA	481521	0.39	479638	489 (3.12)	451 (3.77)	. (.)
JPN	1240054	0.10	1238855	562 (5.07)	541 (4.26)	530 (87.44)
KOR	533504	0.02	533396	569 (4.25)	539 (3.25)	. (.)
LUX	4080	0.10	4076	506 (1.86)	477 (2.49)	. (.)
MEX	1071650	0.37	1067674	433 (6.88)	376 (4.04)	. (.)
NLD	184943	3.15	179126	539 (3.08)	505 (4.17)	. (.)
NZL	48638	0.69	48300	549 (2.35)	514 (2.91)	. (.)
NOR	52816	0.77	52407	508 (2.77)	458 (3.41)	. (.)
POL	534900	.	534900	496 (3.36)	481 (3.02)	. (.)
PRT	96857	0.23	96637	500 (3.69)	456 (4.21)	. (.)
SVK	77067	0.17	76935	506 (2.95)	476 (4.44)	. (.)
ESP	344372	0.07	344114	502 (3.16)	469 (2.83)	. (.)
SWE	107104	0.23	106861	523 (2.56)	480 (3.33)	. (.)
CHE	86491	0.14	86370	533 (3.52)	513 (3.04)	. (.)
TUR	481279	0.03	481137	443 (9.18)	393 (4.90)	. (.)
GBR	698579	3.63	673243	527 (3.29)	493 (2.43)	. (.)
USA	3147089	0.76	3123066	500 (3.36)	452 (3.24)	. (.)
TOT	.	1.34	.	515 (1.23)	472 (1.32)	431 (58.50)
AVG	.	1.23	.	521 (0.59)	482 (0.83)	439 (22.77)
HKG	72484	0.21	72334	566 (5.16)	544 (4.25)	. (.)
IDN	1971476	0.14	1968808	370 (3.92)	358 (3.25)	. (.)
LVA	33643	0.22	33570	492 (3.93)	474 (4.50)	. (.)
LIE	338	.	338	544 (8.27)	520 (6.08)	. (.)
MAC	6546	.	6546	534 (6.94)	532 (2.92)	. (.)
RUS	2153373	0.02	2152991	487 (5.28)	473 (4.55)	. (.)
YUG	68596	0.51	68244	437 (3.58)	406 (3.60)	. (.)
THA	637076	.	637076	429 (3.22)	421 (3.04)	. (.)
TUN	150875	0.21	150560	362 (4.64)	342 (2.08)	. (.)
URY	33775	0.15	33724	433 (4.62)	398 (4.17)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books to help with your school work

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	80.28 (0.58)	19.62 (0.58)	0.10 (.)
AUT	85931	1.08	85003	71.35 (0.69)	28.65 (0.69)	. (.)
BEL	111831	1.79	109825	75.62 (0.80)	24.23 (0.80)	0.15 (.)
CAN	330436	9.70	298375	75.31 (0.50)	24.60 (0.50)	0.09 (.)
CZE	121183	4.06	116257	83.46 (0.78)	16.37 (0.77)	0.16 (.)
DNK	51741	0.65	51406	77.36 (0.87)	22.62 (0.87)	0.02 (.)
FIN	57884	0.07	57845	79.05 (0.66)	20.89 (0.66)	0.06 (.)
FRA	734579	0.87	728167	84.76 (0.68)	15.21 (0.67)	0.02 (.)
DEU	884358	5.57	835070	85.34 (0.60)	14.51 (0.59)	0.14 (.)
GRC	105131	0.13	104991	72.26 (1.18)	27.58 (1.17)	0.16 (.)
HUN	107044	0.06	106984	86.89 (0.58)	12.72 (0.60)	0.39 (.)
ISL	3928	0.63	3903	89.31 (0.57)	10.63 (0.56)	0.06 (.)
IRL	54850	1.03	54285	78.79 (0.91)	21.08 (0.90)	0.14 (.)
ITA	481521	0.39	479638	83.84 (0.49)	16.12 (0.49)	0.04 (.)
JPN	1240054	0.10	1238855	76.47 (0.97)	22.88 (0.85)	0.65 (0.45)
KOR	533504	0.02	533396	84.48 (0.63)	15.29 (0.63)	0.24 (.)
LUX	4080	0.10	4076	85.58 (0.52)	14.01 (0.52)	0.41 (.)
MEX	1071650	0.37	1067674	62.59 (1.31)	37.19 (1.32)	0.22 (.)
NLD	184943	3.15	179126	42.41 (1.20)	57.51 (1.21)	0.07 (.)
NZL	48638	0.69	48300	81.62 (0.72)	18.36 (0.72)	0.02 (.)
NOR	52816	0.77	52407	86.04 (0.65)	13.86 (0.65)	0.09 (.)
POL	534900	.	534900	92.20 (0.60)	7.73 (0.59)	0.08 (.)
PRT	96857	0.23	96637	82.78 (0.76)	17.11 (0.75)	0.12 (.)
SVK	77067	0.17	76935	83.30 (0.82)	16.64 (0.82)	0.05 (.)
ESP	344372	0.07	344114	82.81 (0.54)	17.15 (0.53)	0.04 (.)
SWE	107104	0.23	106861	81.23 (0.80)	18.69 (0.80)	0.08 (.)
CHE	86491	0.14	86370	72.50 (0.97)	27.19 (0.98)	0.31 (.)
TUR	481279	0.03	481137	75.09 (1.53)	24.81 (1.53)	0.09 (.)
GBR	698579	3.63	673243	89.56 (0.45)	10.33 (0.44)	0.11 (.)
USA	3147089	0.76	3123066	72.85 (0.74)	27.05 (0.74)	0.10 (.)
TOT	.	1.34	.	77.46 (0.26)	22.37 (0.25)	0.17 (0.05)
AVG	.	1.23	.	79.19 (0.15)	20.66 (0.15)	0.14 (0.02)
HKG	72484	0.21	72334	67.75 (0.99)	32.12 (0.98)	0.13 (.)
IDN	1971476	0.14	1968808	81.13 (0.89)	18.68 (0.88)	0.18 (.)
LVA	33643	0.22	33570	88.09 (0.70)	11.79 (0.70)	0.13 (.)
LIE	338	.	338	72.82 (2.15)	26.86 (2.14)	0.31 (.)
MAC	6546	.	6546	54.85 (1.73)	45.15 (1.73)	. (.)
RUS	2153373	0.02	2152991	86.91 (0.68)	12.99 (0.68)	0.10 (.)
YUG	68596	0.51	68244	76.53 (0.92)	23.38 (0.92)	0.09 (.)
THA	637076	.	637076	70.45 (0.98)	29.55 (0.98)	. (.)
TUN	150875	0.21	150560	52.65 (1.18)	47.25 (1.17)	0.11 (.)
URY	33775	0.15	33724	89.18 (0.46)	10.78 (0.46)	0.05 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

Books to help with your school work

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (1.98)	496 (3.56)	. (.)
AUT	85931	1.08	85003	506 (3.60)	461 (4.03)	. (.)
BEL	111831	1.79	109825	528 (2.26)	457 (5.22)	. (.)
CAN	330436	9.70	298375	539 (1.77)	507 (2.32)	. (.)
CZE	121183	4.06	116257	510 (2.54)	427 (4.84)	. (.)
DNK	51741	0.65	51406	504 (2.57)	455 (4.50)	. (.)
FIN	57884	0.07	57845	551 (1.64)	516 (2.97)	. (.)
FRA	734579	0.87	728167	507 (2.47)	445 (6.15)	. (.)
DEU	884358	5.57	835070	511 (3.39)	443 (5.95)	. (.)
GRC	105131	0.13	104991	483 (3.88)	447 (5.51)	. (.)
HUN	107044	0.06	106984	491 (2.45)	419 (5.57)	. (.)
ISL	3928	0.63	3903	496 (1.66)	466 (5.90)	. (.)
IRL	54850	1.03	54285	522 (2.60)	488 (4.59)	. (.)
ITA	481521	0.39	479638	484 (2.65)	433 (6.41)	. (.)
JPN	1240054	0.10	1238855	511 (3.55)	458 (5.97)	497 (101.2)
KOR	533504	0.02	533396	543 (2.98)	484 (4.72)	. (.)
LUX	4080	0.10	4076	486 (1.58)	442 (3.93)	. (.)
MEX	1071650	0.37	1067674	423 (4.31)	361 (4.53)	. (.)
NLD	184943	3.15	179126	543 (3.07)	499 (3.47)	. (.)
NZL	48638	0.69	48300	531 (2.45)	484 (4.38)	. (.)
NOR	52816	0.77	52407	510 (2.77)	443 (5.78)	. (.)
POL	534900	.	534900	503 (2.73)	426 (6.70)	. (.)
PRT	96857	0.23	96637	486 (3.54)	437 (6.10)	. (.)
SVK	77067	0.17	76935	483 (2.68)	401 (6.08)	. (.)
ESP	344372	0.07	344114	487 (2.62)	449 (4.56)	. (.)
SWE	107104	0.23	106861	524 (2.17)	474 (4.97)	. (.)
CHE	86491	0.14	86370	512 (3.61)	466 (3.97)	. (.)
TUR	481279	0.03	481137	459 (6.24)	389 (4.08)	. (.)
GBR	698579	3.63	673243	513 (2.78)	453 (5.74)	. (.)
USA	3147089	0.76	3123066	506 (3.26)	469 (4.09)	. (.)
TOT	.	1.34	.	501 (1.18)	445 (1.80)	405 (62.00)
AVG	.	1.23	.	506 (0.61)	455 (1.02)	409 (25.05)
HKG	72484	0.21	72334	525 (3.20)	478 (4.78)	. (.)
IDN	1971476	0.14	1968808	387 (3.46)	357 (4.28)	. (.)
LVA	33643	0.22	33570	497 (3.49)	446 (6.11)	. (.)
LIE	338	.	338	538 (4.64)	490 (10.24)	. (.)
MAC	6546	.	6546	508 (3.08)	484 (3.19)	. (.)
RUS	2153373	0.02	2152991	449 (3.96)	398 (5.11)	. (.)
YUG	68596	0.51	68244	424 (3.40)	375 (4.59)	. (.)
THA	637076	.	637076	426 (3.10)	405 (3.50)	. (.)
TUN	150875	0.21	150560	391 (4.10)	356 (2.84)	. (.)
URY	33775	0.15	33724	440 (3.21)	390 (7.85)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books to help with your school work

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.96)	496 (3.88)	. (.)
AUT	85931	1.08	85003	519 (3.31)	479 (3.70)	. (.)
BEL	111831	1.79	109825	548 (2.23)	485 (4.35)	. (.)
CAN	330436	9.70	298375	542 (1.76)	517 (2.07)	. (.)
CZE	121183	4.06	116257	536 (2.94)	451 (4.61)	. (.)
DNK	51741	0.65	51406	525 (2.68)	481 (4.20)	. (.)
FIN	57884	0.07	57845	550 (1.99)	522 (2.99)	. (.)
FRA	734579	0.87	728167	519 (2.41)	474 (5.27)	. (.)
DEU	884358	5.57	835070	519 (3.34)	467 (5.52)	. (.)
GRC	105131	0.13	104991	456 (3.77)	419 (5.06)	. (.)
HUN	107044	0.06	106984	500 (2.74)	424 (6.02)	. (.)
ISL	3928	0.63	3903	519 (1.49)	487 (5.37)	. (.)
IRL	54850	1.03	54285	508 (2.52)	482 (4.05)	. (.)
ITA	481521	0.39	479638	472 (3.09)	435 (4.58)	. (.)
JPN	1240054	0.10	1238855	545 (3.97)	499 (5.67)	559 (73.77)
KOR	533504	0.02	533396	553 (3.27)	485 (4.31)	. (.)
LUX	4080	0.10	4076	498 (1.09)	466 (3.54)	. (.)
MEX	1071650	0.37	1067674	406 (3.87)	352 (3.89)	. (.)
NLD	184943	3.15	179126	574 (3.23)	520 (3.70)	. (.)
NZL	48638	0.69	48300	532 (2.26)	491 (4.11)	. (.)
NOR	52816	0.77	52407	504 (2.43)	446 (4.16)	. (.)
POL	534900	.	534900	496 (2.35)	426 (5.77)	. (.)
PRT	96857	0.23	96637	473 (3.26)	433 (5.36)	. (.)
SVK	77067	0.17	76935	511 (2.97)	436 (6.44)	. (.)
ESP	344372	0.07	344114	491 (2.43)	458 (4.52)	. (.)
SWE	107104	0.23	106861	518 (2.44)	470 (4.44)	. (.)
CHE	86491	0.14	86370	538 (3.73)	497 (4.21)	. (.)
TUR	481279	0.03	481137	442 (7.53)	368 (4.08)	. (.)
GBR	698579	3.63	673243	513 (2.74)	461 (4.39)	. (.)
USA	3147089	0.76	3123066	492 (3.16)	460 (3.41)	. (.)
TOT	.	1.34	.	502 (1.07)	449 (1.69)	457 (54.29)
AVG	.	1.23	.	510 (0.60)	464 (1.09)	451 (22.80)
HKG	72484	0.21	72334	569 (4.28)	512 (5.30)	. (.)
IDN	1971476	0.14	1968808	366 (4.06)	335 (4.15)	. (.)
LVA	33643	0.22	33570	489 (3.54)	441 (5.68)	. (.)
LIE	338	.	338	549 (5.70)	502 (10.02)	. (.)
MAC	6546	.	6546	539 (4.37)	513 (4.64)	. (.)
RUS	2153373	0.02	2152991	474 (4.22)	432 (4.95)	. (.)
YUG	68596	0.51	68244	446 (3.65)	407 (4.68)	. (.)
THA	637076	.	637076	423 (3.30)	402 (3.58)	. (.)
TUN	150875	0.21	150560	375 (3.90)	340 (2.20)	. (.)
URY	33775	0.15	33724	427 (3.23)	386 (6.27)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books to help with your school work

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.00)	493 (3.96)	. (.)
AUT	85931	1.08	85003	504 (3.42)	466 (3.93)	. (.)
BEL	111831	1.79	109825	527 (2.32)	464 (4.66)	. (.)
CAN	330436	9.70	298375	530 (1.91)	501 (2.65)	. (.)
CZE	121183	4.06	116257	543 (2.78)	453 (5.02)	. (.)
DNK	51741	0.65	51406	487 (2.79)	437 (4.85)	. (.)
FIN	57884	0.07	57845	556 (2.11)	519 (3.10)	. (.)
FRA	734579	0.87	728167	521 (2.87)	465 (6.70)	. (.)
DEU	884358	5.57	835070	519 (3.58)	464 (6.40)	. (.)
GRC	105131	0.13	104991	491 (3.77)	457 (5.24)	. (.)
HUN	107044	0.06	106984	513 (2.83)	441 (5.89)	. (.)
ISL	3928	0.63	3903	500 (1.60)	458 (5.83)	. (.)
IRL	54850	1.03	54285	513 (2.78)	476 (4.23)	. (.)
ITA	481521	0.39	479638	494 (3.01)	452 (5.68)	. (.)
JPN	1240054	0.10	1238855	559 (4.01)	510 (6.06)	554 (72.03)
KOR	533504	0.02	533396	549 (3.54)	479 (4.89)	. (.)
LUX	4080	0.10	4076	488 (1.60)	450 (4.39)	. (.)
MEX	1071650	0.37	1067674	423 (3.93)	374 (3.98)	. (.)
NLD	184943	3.15	179126	560 (3.48)	505 (3.98)	. (.)
NZL	48638	0.69	48300	529 (2.37)	487 (4.47)	. (.)
NOR	52816	0.77	52407	494 (2.86)	427 (5.52)	. (.)
POL	534900	.	534900	504 (2.70)	429 (6.45)	. (.)
PRT	96857	0.23	96637	476 (3.26)	431 (5.83)	. (.)
SVK	77067	0.17	76935	509 (3.04)	426 (8.47)	. (.)
ESP	344372	0.07	344114	494 (2.70)	456 (4.46)	. (.)
SWE	107104	0.23	106861	516 (2.52)	463 (5.72)	. (.)
CHE	86491	0.14	86370	527 (4.10)	474 (4.44)	. (.)
TUR	481279	0.03	481137	451 (6.64)	385 (4.09)	. (.)
GBR	698579	3.63	673243	524 (2.86)	469 (4.80)	. (.)
USA	3147089	0.76	3123066	500 (3.23)	469 (3.65)	. (.)
TOT	.	1.34	.	508 (1.10)	456 (1.65)	462 (51.37)
AVG	.	1.23	.	511 (0.58)	461 (1.02)	450 (22.46)
HKG	72484	0.21	72334	557 (3.87)	504 (5.23)	. (.)
IDN	1971476	0.14	1968808	401 (3.32)	371 (3.71)	. (.)
LVA	33643	0.22	33570	495 (3.76)	444 (6.24)	. (.)
LIE	338	.	338	541 (6.26)	483 (10.02)	. (.)
MAC	6546	.	6546	537 (4.66)	509 (4.35)	. (.)
RUS	2153373	0.02	2152991	495 (4.18)	452 (5.19)	. (.)
YUG	68596	0.51	68244	446 (3.53)	406 (3.95)	. (.)
THA	637076	.	637076	436 (2.99)	412 (3.07)	. (.)
TUN	150875	0.21	150560	399 (4.06)	368 (2.51)	. (.)
URY	33775	0.15	33724	443 (2.90)	401 (6.04)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?
Books to help with your school work

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	537 (1.81)	503 (3.48)	. (.)
AUT	85931	1.08	85003	518 (3.19)	482 (3.67)	. (.)
BEL	111831	1.79	109825	543 (2.17)	484 (4.24)	. (.)
CAN	330436	9.70	298375	539 (1.77)	517 (2.36)	. (.)
CZE	121183	4.06	116257	536 (2.82)	455 (4.43)	. (.)
DNK	51741	0.65	51406	527 (2.39)	485 (4.20)	. (.)
FIN	57884	0.07	57845	554 (1.97)	525 (3.04)	. (.)
FRA	734579	0.87	728167	527 (2.57)	481 (5.73)	. (.)
DEU	884358	5.57	835070	526 (3.23)	476 (5.69)	. (.)
GRC	105131	0.13	104991	458 (3.87)	424 (5.23)	. (.)
HUN	107044	0.06	106984	511 (2.81)	435 (5.66)	. (.)
ISL	3928	0.63	3903	509 (1.44)	476 (5.20)	. (.)
IRL	54850	1.03	54285	503 (2.40)	479 (3.88)	. (.)
ITA	481521	0.39	479638	477 (2.88)	432 (5.77)	. (.)
JPN	1240054	0.10	1238855	558 (3.92)	513 (6.16)	530 (87.44)
KOR	533504	0.02	533396	559 (3.04)	501 (3.96)	. (.)
LUX	4080	0.10	4076	498 (1.40)	465 (4.24)	. (.)
MEX	1071650	0.37	1067674	408 (4.59)	346 (4.45)	. (.)
NLD	184943	3.15	179126	554 (3.21)	500 (3.82)	. (.)
NZL	48638	0.69	48300	541 (2.15)	499 (3.84)	. (.)
NOR	52816	0.77	52407	499 (2.58)	438 (5.48)	. (.)
POL	534900	.	534900	492 (2.56)	426 (6.47)	. (.)
PRT	96857	0.23	96637	478 (3.66)	432 (5.93)	. (.)
SVK	77067	0.17	76935	504 (2.97)	428 (6.98)	. (.)
ESP	344372	0.07	344114	487 (2.70)	458 (4.75)	. (.)
SWE	107104	0.23	106861	518 (2.28)	471 (4.33)	. (.)
CHE	86491	0.14	86370	533 (3.34)	491 (4.14)	. (.)
TUR	481279	0.03	481137	425 (6.58)	356 (4.33)	. (.)
GBR	698579	3.63	673243	515 (2.65)	462 (5.06)	. (.)
USA	3147089	0.76	3123066	487 (3.30)	454 (3.72)	. (.)
TOT	.	1.34	.	503 (1.13)	448 (1.80)	431 (58.52)
AVG	.	1.23	.	511 (0.60)	463 (1.13)	438 (23.80)
HKG	72484	0.21	72334	567 (3.92)	509 (5.01)	. (.)
IDN	1971476	0.14	1968808	367 (3.40)	340 (3.90)	. (.)
LVA	33643	0.22	33570	489 (3.75)	435 (6.04)	. (.)
LIE	338	.	338	542 (5.81)	497 (9.58)	. (.)
MAC	6546	.	6546	545 (3.85)	517 (4.07)	. (.)
RUS	2153373	0.02	2152991	485 (4.59)	435 (5.41)	. (.)
YUG	68596	0.51	68244	430 (3.25)	390 (4.45)	. (.)
THA	637076	.	637076	431 (3.06)	411 (3.37)	. (.)
TUN	150875	0.21	150560	362 (3.35)	326 (2.11)	. (.)
URY	33775	0.15	33724	416 (3.65)	370 (7.68)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dictionary

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick % (SE)	No Tick % (SE)	Missing % (SE)
AUS	235591	0.32	234828	97.29 (0.18)	2.62 (0.17)	0.09 (.)
AUT	85931	1.08	85003	98.17 (0.22)	1.83 (0.22)	. (.)
BEL	111831	1.79	109825	96.99 (0.30)	2.86 (0.30)	0.15 (.)
CAN	330436	9.70	298375	97.44 (0.17)	2.47 (0.17)	0.09 (.)
CZE	121183	4.06	116257	93.96 (0.33)	5.88 (0.32)	0.16 (.)
DNK	51741	0.65	51406	95.32 (0.38)	4.66 (0.37)	0.02 (.)
FIN	57884	0.07	57845	91.47 (0.48)	8.47 (0.47)	0.06 (.)
FRA	734579	0.87	728167	98.26 (0.24)	1.71 (0.24)	0.02 (.)
DEU	884358	5.57	835070	96.03 (0.36)	3.82 (0.35)	0.14 (.)
GRC	105131	0.13	104991	95.57 (0.41)	4.28 (0.39)	0.15 (.)
HUN	107044	0.06	106984	92.27 (0.51)	7.34 (0.50)	0.39 (.)
ISL	3928	0.63	3903	96.05 (0.37)	3.89 (0.37)	0.06 (.)
IRL	54850	1.03	54285	96.32 (0.40)	3.55 (0.38)	0.14 (.)
ITA	481521	0.39	479638	97.56 (0.25)	2.39 (0.25)	0.04 (.)
JPN	1240054	0.10	1238855	95.51 (0.62)	3.84 (0.38)	0.65 (0.45)
KOR	533504	0.02	533396	96.27 (0.34)	3.49 (0.34)	0.24 (.)
LUX	4080	0.10	4076	97.15 (0.25)	2.55 (0.23)	0.31 (.)
MEX	1071650	0.37	1067674	84.77 (0.87)	15.01 (0.88)	0.22 (.)
NLD	184943	3.15	179126	97.76 (0.33)	2.16 (0.32)	0.07 (.)
NZL	48638	0.69	48300	96.47 (0.31)	3.51 (0.32)	0.02 (.)
NOR	52816	0.77	52407	94.90 (0.44)	5.01 (0.44)	0.09 (.)
POL	534900	.	534900	93.15 (0.44)	6.78 (0.43)	0.08 (.)
PRT	96857	0.23	96637	96.68 (0.38)	3.20 (0.38)	0.12 (.)
SVK	77067	0.17	76935	91.67 (0.80)	8.28 (0.80)	0.05 (.)
ESP	344372	0.07	344114	98.80 (0.15)	1.16 (0.15)	0.04 (.)
SWE	107104	0.23	106861	92.77 (0.44)	7.17 (0.45)	0.06 (.)
CHE	86491	0.14	86370	91.94 (0.59)	7.78 (0.59)	0.28 (.)
TUR	481279	0.03	481137	91.94 (0.80)	7.96 (0.79)	0.09 (.)
GBR	698579	3.63	673243	96.06 (0.29)	3.83 (0.28)	0.11 (.)
USA	3147089	0.76	3123066	94.29 (0.36)	5.61 (0.34)	0.10 (.)
TOT	.	1.34	.	94.45 (0.16)	5.38 (0.15)	0.17 (0.05)
AVG	.	1.23	.	95.08 (0.08)	4.78 (0.08)	0.14 (0.02)
HKG	72484	0.21	72334	96.08 (0.26)	3.79 (0.25)	0.13 (.)
IDN	1971476	0.14	1968808	85.81 (0.74)	14.00 (0.73)	0.18 (.)
LVA	33643	0.22	33570	92.90 (0.57)	6.99 (0.56)	0.11 (.)
LIE	338	.	338	92.73 (1.27)	6.96 (.)	0.31 (.)
MAC	6546	.	6546	95.29 (0.75)	4.71 (0.75)	. (.)
RUS	2153373	0.02	2152991	87.34 (0.79)	12.56 (0.79)	0.10 (.)
YUG	68596	0.51	68244	82.37 (0.91)	17.54 (0.90)	0.09 (.)
THA	637076	.	637076	74.92 (1.09)	25.08 (1.09)	. (.)
TUN	150875	0.21	150560	68.56 (1.18)	31.34 (1.17)	0.11 (.)
URY	33775	0.15	33724	97.83 (0.27)	2.12 (0.26)	0.05 (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dictionary

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.01)	433 (9.00)	. (.)
AUT	85931	1.08	85003	495 (3.48)	410 (11.25)	. (.)
BEL	111831	1.79	109825	515 (2.57)	350 (11.36)	. (.)
CAN	330436	9.70	298375	533 (1.55)	468 (7.63)	. (.)
CZE	121183	4.06	116257	500 (2.73)	432 (7.25)	. (.)
DNK	51741	0.65	51406	497 (2.62)	406 (8.59)	. (.)
FIN	57884	0.07	57845	547 (1.70)	503 (5.02)	. (.)
FRA	734579	0.87	728167	499 (2.62)	372 (18.28)	. (.)
DEU	884358	5.57	835070	505 (3.45)	401 (9.24)	. (.)
GRC	105131	0.13	104991	477 (3.92)	386 (11.21)	. (.)
HUN	107044	0.06	106984	488 (2.45)	398 (7.17)	. (.)
ISL	3928	0.63	3903	494 (1.65)	463 (9.98)	. (.)
IRL	54850	1.03	54285	519 (2.43)	415 (12.05)	. (.)
ITA	481521	0.39	479638	479 (2.92)	368 (12.44)	. (.)
JPN	1240054	0.10	1238855	503 (3.76)	392 (12.02)	497 (101.2)
KOR	533504	0.02	533396	537 (2.93)	444 (10.10)	. (.)
LUX	4080	0.10	4076	483 (1.46)	371 (12.68)	. (.)
MEX	1071650	0.37	1067674	409 (4.14)	350 (6.36)	. (.)
NLD	184943	3.15	179126	519 (2.66)	432 (9.45)	. (.)
NZL	48638	0.69	48300	525 (2.42)	437 (11.43)	. (.)
NOR	52816	0.77	52407	504 (2.76)	440 (9.75)	. (.)
POL	534900	.	534900	502 (2.68)	421 (7.24)	. (.)
PRT	96857	0.23	96637	481 (3.46)	376 (9.38)	. (.)
SVK	77067	0.17	76935	477 (2.76)	378 (8.08)	. (.)
ESP	344372	0.07	344114	482 (2.56)	385 (14.27)	. (.)
SWE	107104	0.23	106861	520 (2.21)	449 (8.47)	. (.)
CHE	86491	0.14	86370	504 (3.43)	444 (6.56)	. (.)
TUR	481279	0.03	481137	447 (5.83)	372 (7.00)	. (.)
GBR	698579	3.63	673243	510 (2.71)	408 (6.91)	. (.)
USA	3147089	0.76	3123066	501 (3.10)	411 (7.36)	. (.)
TOT	.	1.34	.	494 (1.14)	393 (3.32)	404 (62.43)
AVG	.	1.23	.	500 (0.61)	410 (1.98)	404 (26.32)
HKG	72484	0.21	72334	513 (3.51)	436 (10.34)	. (.)
IDN	1971476	0.14	1968808	387 (3.54)	351 (4.33)	. (.)
LVA	33643	0.22	33570	495 (3.52)	440 (9.31)	. (.)
LIE	338	.	338	530 (3.73)	. (.)	. (.)
MAC	6546	.	6546	499 (2.27)	473 (12.91)	. (.)
RUS	2153373	0.02	2152991	449 (3.85)	398 (5.84)	. (.)
YUG	68596	0.51	68244	422 (3.48)	366 (4.43)	. (.)
THA	637076	.	637076	429 (3.04)	393 (3.66)	. (.)
TUN	150875	0.21	150560	391 (3.40)	339 (3.43)	. (.)
URY	33775	0.15	33724	436 (3.45)	339 (17.44)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dictionary

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.08)	436 (7.61)	. (.)
AUT	85931	1.08	85003	508 (3.15)	447 (10.59)	. (.)
BEL	111831	1.79	109825	537 (2.31)	391 (7.88)	. (.)
CAN	330436	9.70	298375	537 (1.62)	487 (6.13)	. (.)
CZE	121183	4.06	116257	527 (3.18)	457 (7.03)	. (.)
DNK	51741	0.65	51406	518 (2.64)	443 (7.86)	. (.)
FIN	57884	0.07	57845	548 (1.84)	508 (4.79)	. (.)
FRA	734579	0.87	728167	514 (2.44)	413 (13.84)	. (.)
DEU	884358	5.57	835070	515 (3.42)	422 (7.91)	. (.)
GRC	105131	0.13	104991	448 (3.71)	376 (10.52)	. (.)
HUN	107044	0.06	106984	497 (2.77)	399 (6.53)	. (.)
ISL	3928	0.63	3903	517 (1.44)	485 (8.31)	. (.)
IRL	54850	1.03	54285	506 (2.33)	426 (9.10)	. (.)
ITA	481521	0.39	479638	468 (3.03)	378 (13.52)	. (.)
JPN	1240054	0.10	1238855	538 (3.95)	441 (10.84)	559 (73.77)
KOR	533504	0.02	533396	546 (3.16)	447 (8.41)	. (.)
LUX	4080	0.10	4076	495 (0.96)	409 (9.26)	. (.)
MEX	1071650	0.37	1067674	393 (3.59)	341 (4.76)	. (.)
NLD	184943	3.15	179126	545 (2.79)	446 (10.42)	. (.)
NZL	48638	0.69	48300	527 (2.24)	450 (9.15)	. (.)
NOR	52816	0.77	52407	498 (2.43)	446 (8.39)	. (.)
POL	534900	.	534900	495 (2.35)	421 (6.48)	. (.)
PRT	96857	0.23	96637	469 (3.13)	388 (11.90)	. (.)
SVK	77067	0.17	76935	506 (2.96)	408 (9.60)	. (.)
ESP	344372	0.07	344114	486 (2.38)	399 (12.19)	. (.)
SWE	107104	0.23	106861	514 (2.48)	452 (7.32)	. (.)
CHE	86491	0.14	86370	530 (3.52)	479 (6.48)	. (.)
TUR	481279	0.03	481137	430 (6.91)	355 (6.65)	. (.)
GBR	698579	3.63	673243	511 (2.70)	424 (5.93)	. (.)
USA	3147089	0.76	3123066	488 (2.92)	409 (6.62)	. (.)
TOT	.	1.34	.	495 (1.03)	398 (3.18)	457 (54.65)
AVG	.	1.23	.	505 (0.61)	422 (2.09)	448 (23.92)
HKG	72484	0.21	72334	554 (4.39)	470 (11.37)	. (.)
IDN	1971476	0.14	1968808	366 (4.11)	329 (4.26)	. (.)
LVA	33643	0.22	33570	487 (3.65)	431 (7.48)	. (.)
LIE	338	.	338	540 (4.21)	. (.)	. (.)
MAC	6546	.	6546	528 (2.94)	512 (13.98)	. (.)
RUS	2153373	0.02	2152991	474 (4.24)	433 (6.12)	. (.)
YUG	68596	0.51	68244	446 (3.79)	395 (4.49)	. (.)
THA	637076	.	637076	426 (3.41)	390 (3.52)	. (.)
TUN	150875	0.21	150560	374 (3.28)	325 (2.32)	. (.)
URY	33775	0.15	33724	424 (3.33)	333 (10.84)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dictionary

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.02)	435 (8.51)	. (.)
AUT	85931	1.08	85003	494 (3.30)	435 (13.25)	. (.)
BEL	111831	1.79	109825	516 (2.51)	371 (9.19)	. (.)
CAN	330436	9.70	298375	524 (1.81)	459 (7.70)	. (.)
CZE	121183	4.06	116257	533 (3.01)	459 (8.81)	. (.)
DNK	51741	0.65	51406	479 (2.84)	402 (9.01)	. (.)
FIN	57884	0.07	57845	553 (1.91)	504 (5.21)	. (.)
FRA	734579	0.87	728167	514 (2.96)	401 (17.48)	. (.)
DEU	884358	5.57	835070	515 (3.70)	425 (9.51)	. (.)
GRC	105131	0.13	104991	485 (3.65)	412 (10.88)	. (.)
HUN	107044	0.06	106984	510 (2.77)	422 (7.26)	. (.)
ISL	3928	0.63	3903	497 (1.54)	453 (9.82)	. (.)
IRL	54850	1.03	54285	508 (2.51)	411 (10.77)	. (.)
ITA	481521	0.39	479638	489 (3.07)	395 (16.72)	. (.)
JPN	1240054	0.10	1238855	552 (4.05)	446 (11.77)	554 (72.03)
KOR	533504	0.02	533396	542 (3.45)	439 (9.53)	. (.)
LUX	4080	0.10	4076	485 (1.53)	388 (11.73)	. (.)
MEX	1071650	0.37	1067674	412 (3.49)	365 (5.77)	. (.)
NLD	184943	3.15	179126	530 (3.04)	430 (13.05)	. (.)
NZL	48638	0.69	48300	525 (2.36)	441 (10.32)	. (.)
NOR	52816	0.77	52407	488 (2.92)	430 (9.34)	. (.)
POL	534900	.	534900	503 (2.72)	422 (7.22)	. (.)
PRT	96857	0.23	96637	471 (3.19)	380 (11.03)	. (.)
SVK	77067	0.17	76935	504 (2.95)	394 (14.02)	. (.)
ESP	344372	0.07	344114	488 (2.56)	401 (16.54)	. (.)
SWE	107104	0.23	106861	511 (2.59)	443 (9.38)	. (.)
CHE	86491	0.14	86370	518 (3.82)	450 (6.93)	. (.)
TUR	481279	0.03	481137	440 (6.06)	373 (6.66)	. (.)
GBR	698579	3.63	673243	522 (2.82)	428 (7.10)	. (.)
USA	3147089	0.76	3123066	496 (3.02)	416 (7.09)	. (.)
TOT	.	1.34	.	502 (1.06)	406 (3.26)	462 (51.71)
AVG	.	1.23	.	505 (0.59)	420 (2.05)	447 (23.44)
HKG	72484	0.21	72334	543 (4.16)	469 (12.04)	. (.)
IDN	1971476	0.14	1968808	400 (3.40)	368 (4.08)	. (.)
LVA	33643	0.22	33570	493 (3.84)	438 (7.39)	. (.)
LIE	338	.	338	530 (4.62)	. (.)	. (.)
MAC	6546	.	6546	526 (3.13)	499 (15.36)	. (.)
RUS	2153373	0.02	2152991	495 (4.12)	451 (5.99)	. (.)
YUG	68596	0.51	68244	445 (3.54)	400 (4.00)	. (.)
THA	637076	.	637076	439 (2.96)	401 (3.39)	. (.)
TUN	150875	0.21	150560	399 (3.35)	354 (2.94)	. (.)
URY	33775	0.15	33724	440 (2.93)	355 (12.79)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dictionary

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.92)	447 (7.09)	. (.)
AUT	85931	1.08	85003	509 (3.07)	456 (10.35)	. (.)
BEL	111831	1.79	109825	532 (2.21)	392 (9.10)	. (.)
CAN	330436	9.70	298375	535 (1.59)	489 (7.34)	. (.)
CZE	121183	4.06	116257	526 (3.00)	461 (7.00)	. (.)
DNK	51741	0.65	51406	521 (2.43)	446 (8.12)	. (.)
FIN	57884	0.07	57845	551 (1.88)	509 (4.84)	. (.)
FRA	734579	0.87	728167	522 (2.59)	422 (15.08)	. (.)
DEU	884358	5.57	835070	522 (3.33)	436 (8.12)	. (.)
GRC	105131	0.13	104991	452 (3.84)	380 (10.22)	. (.)
HUN	107044	0.06	106984	508 (2.79)	411 (6.15)	. (.)
ISL	3928	0.63	3903	506 (1.40)	474 (7.80)	. (.)
IRL	54850	1.03	54285	501 (2.24)	425 (9.24)	. (.)
ITA	481521	0.39	479638	473 (2.92)	356 (16.89)	. (.)
JPN	1240054	0.10	1238855	551 (3.96)	448 (11.85)	530 (87.44)
KOR	533504	0.02	533396	554 (2.97)	465 (8.72)	. (.)
LUX	4080	0.10	4076	496 (1.37)	409 (10.37)	. (.)
MEX	1071650	0.37	1067674	394 (4.23)	333 (5.82)	. (.)
NLD	184943	3.15	179126	525 (2.89)	425 (10.78)	. (.)
NZL	48638	0.69	48300	536 (2.14)	459 (9.30)	. (.)
NOR	52816	0.77	52407	493 (2.64)	436 (9.89)	. (.)
POL	534900	.	534900	492 (2.59)	420 (7.24)	. (.)
PRT	96857	0.23	96637	473 (3.54)	381 (13.16)	. (.)
SVK	77067	0.17	76935	500 (2.93)	400 (10.39)	. (.)
ESP	344372	0.07	344114	483 (2.72)	400 (14.82)	. (.)
SWE	107104	0.23	106861	513 (2.37)	450 (6.72)	. (.)
CHE	86491	0.14	86370	525 (3.17)	471 (6.33)	. (.)
TUR	481279	0.03	481137	413 (6.12)	343 (6.94)	. (.)
GBR	698579	3.63	673243	513 (2.59)	423 (6.59)	. (.)
USA	3147089	0.76	3123066	482 (3.06)	399 (6.56)	. (.)
TOT	.	1.34	.	496 (1.09)	394 (3.40)	431 (58.97)
AVG	.	1.23	.	505 (0.62)	420 (2.16)	433 (24.92)
HKG	72484	0.21	72334	551 (4.04)	474 (11.52)	. (.)
IDN	1971476	0.14	1968808	366 (3.47)	336 (3.98)	. (.)
LVA	33643	0.22	33570	487 (3.75)	425 (7.88)	. (.)
LIE	338	.	338	534 (4.11)	. (.)	. (.)
MAC	6546	.	6546	534 (2.66)	504 (14.92)	. (.)
RUS	2153373	0.02	2152991	485 (4.61)	436 (6.27)	. (.)
YUG	68596	0.51	68244	430 (3.34)	378 (4.04)	. (.)
THA	637076	.	637076	434 (3.11)	399 (3.35)	. (.)
TUN	150875	0.21	150560	360 (2.78)	311 (2.65)	. (.)
URY	33775	0.15	33724	413 (3.73)	317 (12.69)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dishwasher

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	59.65	(0.96)	40.21	(0.97)	0.14	(.)
AUT	85931	1.08	85003	83.29	(0.79)	16.68	(0.79)	0.03	(.)
BEL	111831	1.79	109825	68.57	(0.75)	31.21	(0.74)	0.22	(.)
CAN	330436	9.70	298375	75.28	(0.63)	24.63	(0.64)	0.09	(.)
CZE	121183	4.06	116257	29.43	(0.75)	70.41	(0.75)	0.16	(.)
DNK	51741	0.65	51406	80.52	(0.88)	19.46	(0.88)	0.02	(.)
FIN	57884	0.07	57845	87.22	(0.58)	12.72	(0.57)	0.06	(.)
FRA	734579	0.87	728167	71.02	(1.11)	28.96	(1.11)	0.02	(.)
DEU	884358	5.57	835070	82.54	(0.79)	17.32	(0.79)	0.14	(.)
GRC	105131	0.13	104991	58.51	(1.08)	41.18	(1.06)	0.31	(.)
HUN	107044	0.06	106984	38.53	(0.87)	61.08	(0.88)	0.39	(.)
ISL	3928	0.63	3903	85.82	(0.62)	13.96	(0.61)	0.21	(.)
IRL	54850	1.03	54285	70.67	(1.00)	29.19	(0.98)	0.14	(.)
ITA	481521	0.39	479638	50.19	(0.86)	49.77	(0.86)	0.04	(.)
JPN	1240054	0.10	1238855	28.99	(1.00)	70.36	(0.98)	0.65	(0.45)
KOR	533504	0.02	533396	23.45	(0.74)	76.31	(0.75)	0.24	(.)
LUX	4080	0.10	4076	90.37	(0.51)	9.12	(0.50)	0.51	(.)
MEX	1071650	0.37	1067674	13.62	(0.67)	86.15	(0.68)	0.22	(.)
NLD	184943	3.15	179126	77.80	(0.80)	22.12	(0.81)	0.07	(.)
NZL	48638	0.69	48300	65.64	(0.91)	34.32	(0.91)	0.04	(.)
NOR	52816	0.77	52407	91.54	(0.43)	8.37	(0.42)	0.09	(.)
POL	534900	.	534900	16.19	(0.63)	83.74	(0.63)	0.08	(.)
PRT	96857	0.23	96637	56.84	(1.36)	43.04	(1.36)	0.12	(.)
SVK	77067	0.17	76935	13.36	(0.46)	86.58	(0.47)	0.06	(.)
ESP	344372	0.07	344114	56.71	(1.23)	43.25	(1.23)	0.04	(.)
SWE	107104	0.23	106861	78.97	(0.91)	20.95	(0.90)	0.09	(.)
CHE	86491	0.14	86370	76.44	(0.75)	23.29	(0.75)	0.27	(.)
TUR	481279	0.03	481137	42.05	(1.99)	57.84	(1.98)	0.11	(.)
GBR	698579	3.63	673243	59.11	(0.95)	40.76	(0.95)	0.13	(.)
USA	3147089	0.76	3123066	72.68	(1.13)	27.23	(1.12)	0.10	(.)
TOT	.	1.34	.	54.12	(0.41)	45.70	(0.40)	0.18	(0.05)
AVG	.	1.23	.	60.07	(0.22)	39.77	(0.21)	0.16	(0.02)
HKG	72484	0.21	72334	6.03	(0.53)	93.84	(0.53)	0.13	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)
LVA	33643	0.22	33570	8.80	(0.67)	91.03	(0.68)	0.17	(.)
LIE	338	.	338	85.26	(2.00)	14.42	(2.03)	0.31	(.)
MAC	6546	.	6546	5.68	(0.75)	94.32	(0.75)	.	(.)
RUS	2153373	0.02	2152991	5.95	(0.33)	93.86	(0.33)	0.20	(.)
YUG	68596	0.51	68244	24.25	(0.83)	75.56	(0.82)	0.19	(.)
THA	637076	.	637076	24.85	(0.78)	75.15	(0.78)	.	(.)
TUN	150875	0.21	150560	12.62	(0.67)	87.27	(0.67)	0.11	(.)
URY	33775	0.15	33724	25.41	(1.01)	74.53	(1.00)	0.06	(.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dishwasher

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.53)	513 (2.33)	. (.)
AUT	85931	1.08	85003	501 (3.20)	457 (5.92)	. (.)
BEL	111831	1.79	109825	523 (2.58)	484 (4.08)	. (.)
CAN	330436	9.70	298375	536 (1.75)	517 (2.80)	. (.)
CZE	121183	4.06	116257	504 (3.75)	493 (2.92)	. (.)
DNK	51741	0.65	51406	498 (2.66)	472 (5.40)	. (.)
FIN	57884	0.07	57845	546 (1.58)	527 (4.17)	. (.)
FRA	734579	0.87	728167	507 (2.67)	474 (4.30)	. (.)
DEU	884358	5.57	835070	511 (3.42)	454 (6.14)	. (.)
GRC	105131	0.13	104991	482 (4.56)	459 (4.41)	. (.)
HUN	107044	0.06	106984	472 (2.92)	488 (3.01)	. (.)
ISL	3928	0.63	3903	492 (1.67)	494 (4.77)	. (.)
IRL	54850	1.03	54285	521 (2.92)	502 (3.56)	. (.)
ITA	481521	0.39	479638	492 (3.17)	459 (3.70)	. (.)
JPN	1240054	0.10	1238855	495 (4.54)	500 (4.10)	497 (101.2)
KOR	533504	0.02	533396	534 (4.95)	534 (3.01)	. (.)
LUX	4080	0.10	4076	484 (1.58)	440 (5.93)	. (.)
MEX	1071650	0.37	1067674	401 (5.72)	400 (4.23)	. (.)
NLD	184943	3.15	179126	516 (2.77)	521 (4.19)	. (.)
NZL	48638	0.69	48300	536 (2.67)	497 (3.33)	. (.)
NOR	52816	0.77	52407	503 (2.86)	472 (6.43)	. (.)
POL	534900	.	534900	491 (5.45)	498 (2.84)	. (.)
PRT	96857	0.23	96637	493 (3.64)	458 (4.54)	. (.)
SVK	77067	0.17	76935	451 (6.50)	472 (2.97)	. (.)
ESP	344372	0.07	344114	486 (3.41)	473 (3.00)	. (.)
SWE	107104	0.23	106861	519 (2.53)	499 (4.91)	. (.)
CHE	86491	0.14	86370	509 (3.86)	468 (3.80)	. (.)
TUR	481279	0.03	481137	470 (8.44)	420 (4.50)	. (.)
GBR	698579	3.63	673243	513 (3.46)	497 (2.98)	. (.)
USA	3147089	0.76	3123066	508 (3.06)	463 (4.70)	. (.)
TOT	.	1.34	.	505 (1.27)	470 (1.38)	406 (60.14)
AVG	.	1.23	.	507 (0.60)	478 (0.91)	414 (22.38)
HKG	72484	0.21	72334	477 (9.35)	512 (3.36)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	467 (7.87)	493 (3.59)	. (.)
LIE	338	.	338	531 (4.80)	494 (15.29)	. (.)
MAC	6546	.	6546	472 (11.28)	499 (2.43)	. (.)
RUS	2153373	0.02	2152991	436 (9.09)	443 (3.87)	. (.)
YUG	68596	0.51	68244	410 (4.69)	413 (3.79)	. (.)
THA	637076	.	637076	401 (3.50)	426 (2.97)	. (.)
TUN	150875	0.21	150560	371 (6.31)	375 (2.81)	. (.)
URY	33775	0.15	33724	439 (5.61)	432 (3.62)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dishwasher

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.47)	512 (2.46)	. (.)
AUT	85931	1.08	85003	514 (3.04)	473 (4.89)	. (.)
BEL	111831	1.79	109825	547 (2.45)	503 (3.43)	. (.)
CAN	330436	9.70	298375	542 (1.79)	517 (2.45)	. (.)
CZE	121183	4.06	116257	534 (3.95)	518 (3.32)	. (.)
DNK	51741	0.65	51406	522 (2.64)	485 (5.18)	. (.)
FIN	57884	0.07	57845	548 (1.82)	519 (4.66)	. (.)
FRA	734579	0.87	728167	522 (2.58)	486 (3.44)	. (.)
DEU	884358	5.57	835070	520 (3.36)	470 (5.29)	. (.)
GRC	105131	0.13	104991	457 (4.43)	428 (3.78)	. (.)
HUN	107044	0.06	106984	483 (3.13)	495 (3.42)	. (.)
ISL	3928	0.63	3903	516 (1.55)	513 (4.65)	. (.)
IRL	54850	1.03	54285	510 (2.66)	485 (3.13)	. (.)
ITA	481521	0.39	479638	485 (3.49)	447 (3.52)	. (.)
JPN	1240054	0.10	1238855	535 (4.74)	534 (4.20)	559 (73.77)
KOR	533504	0.02	533396	551 (5.22)	540 (3.00)	. (.)
LUX	4080	0.10	4076	497 (0.97)	460 (4.59)	. (.)
MEX	1071650	0.37	1067674	388 (4.92)	385 (3.79)	. (.)
NLD	184943	3.15	179126	544 (2.93)	540 (4.38)	. (.)
NZL	48638	0.69	48300	540 (2.25)	495 (3.45)	. (.)
NOR	52816	0.77	52407	499 (2.44)	461 (5.33)	. (.)
POL	534900	.	534900	489 (4.74)	491 (2.55)	. (.)
PRT	96857	0.23	96637	483 (3.25)	444 (4.06)	. (.)
SVK	77067	0.17	76935	482 (5.77)	501 (3.28)	. (.)
ESP	344372	0.07	344114	492 (3.17)	476 (2.78)	. (.)
SWE	107104	0.23	106861	515 (2.75)	490 (4.43)	. (.)
CHE	86491	0.14	86370	534 (3.68)	501 (3.97)	. (.)
TUR	481279	0.03	481137	459 (10.42)	398 (4.23)	. (.)
GBR	698579	3.63	673243	516 (3.33)	496 (2.67)	. (.)
USA	3147089	0.76	3123066	495 (2.93)	452 (4.22)	. (.)
TOT	.	1.34	.	506 (1.18)	471 (1.35)	457 (53.04)
AVG	.	1.23	.	514 (0.59)	482 (0.91)	451 (20.07)
HKG	72484	0.21	72334	525 (11.20)	552 (4.22)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	476 (7.93)	484 (3.58)	. (.)
LIE	338	.	338	540 (5.27)	510 (17.36)	. (.)
MAC	6546	.	6546	504 (10.93)	529 (3.03)	. (.)
RUS	2153373	0.02	2152991	461 (8.05)	469 (4.22)	. (.)
YUG	68596	0.51	68244	440 (4.84)	436 (3.84)	. (.)
THA	637076	.	637076	394 (3.59)	425 (3.16)	. (.)
TUN	150875	0.21	150560	366 (5.71)	358 (2.51)	. (.)
URY	33775	0.15	33724	427 (5.04)	421 (3.49)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dishwasher

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.53)	514 (2.52)	. (.)
AUT	85931	1.08	85003	500 (3.09)	455 (5.44)	. (.)
BEL	111831	1.79	109825	524 (2.54)	484 (3.73)	. (.)
CAN	330436	9.70	298375	530 (2.00)	500 (2.79)	. (.)
CZE	121183	4.06	116257	537 (4.04)	525 (3.23)	. (.)
DNK	51741	0.65	51406	482 (2.85)	451 (5.93)	. (.)
FIN	57884	0.07	57845	551 (1.88)	529 (5.14)	. (.)
FRA	734579	0.87	728167	526 (3.00)	479 (4.72)	. (.)
DEU	884358	5.57	835070	520 (3.56)	468 (6.10)	. (.)
GRC	105131	0.13	104991	494 (4.12)	464 (3.99)	. (.)
HUN	107044	0.06	106984	495 (3.16)	509 (3.35)	. (.)
ISL	3928	0.63	3903	496 (1.67)	490 (5.01)	. (.)
IRL	54850	1.03	54285	510 (2.94)	494 (3.62)	. (.)
ITA	481521	0.39	479638	507 (3.49)	466 (3.86)	. (.)
JPN	1240054	0.10	1238855	546 (5.21)	549 (4.32)	554 (72.03)
KOR	533504	0.02	533396	540 (5.68)	538 (3.37)	. (.)
LUX	4080	0.10	4076	488 (1.57)	436 (6.09)	. (.)
MEX	1071650	0.37	1067674	408 (4.90)	405 (3.62)	. (.)
NLD	184943	3.15	179126	528 (3.19)	530 (4.68)	. (.)
NZL	48638	0.69	48300	539 (2.50)	489 (3.41)	. (.)
NOR	52816	0.77	52407	488 (2.93)	452 (6.25)	. (.)
POL	534900	.	534900	493 (5.89)	499 (2.86)	. (.)
PRT	96857	0.23	96637	482 (3.24)	449 (4.39)	. (.)
SVK	77067	0.17	76935	483 (6.11)	497 (3.70)	. (.)
ESP	344372	0.07	344114	492 (3.64)	481 (2.88)	. (.)
SWE	107104	0.23	106861	511 (3.01)	489 (4.79)	. (.)
CHE	86491	0.14	86370	524 (4.20)	478 (4.45)	. (.)
TUR	481279	0.03	481137	465 (9.08)	412 (4.05)	. (.)
GBR	698579	3.63	673243	527 (3.60)	506 (2.89)	. (.)
USA	3147089	0.76	3123066	505 (2.98)	456 (4.59)	. (.)
TOT	.	1.34	.	511 (1.21)	479 (1.33)	462 (50.09)
AVG	.	1.23	.	510 (0.61)	486 (0.83)	450 (19.79)
HKG	72484	0.21	72334	510 (11.57)	542 (3.95)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	479 (7.42)	490 (3.86)	. (.)
LIE	338	.	338	531 (5.52)	492 (18.15)	. (.)
MAC	6546	.	6546	472 (10.44)	528 (3.12)	. (.)
RUS	2153373	0.02	2152991	478 (9.38)	490 (4.11)	. (.)
YUG	68596	0.51	68244	440 (4.73)	436 (3.59)	. (.)
THA	637076	.	637076	408 (3.56)	436 (2.82)	. (.)
TUN	150875	0.21	150560	387 (5.63)	384 (2.55)	. (.)
URY	33775	0.15	33724	438 (4.93)	439 (3.15)	. (.)

Student Questionnaire – Question 17

Q17 Which of the following do you have in your home?

A dishwasher

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	538 (2.41)	519 (2.18)	. (.)
AUT	85931	1.08	85003	513 (2.94)	479 (4.74)	. (.)
BEL	111831	1.79	109825	540 (2.34)	502 (3.43)	. (.)
CAN	330436	9.70	298375	539 (1.73)	516 (2.48)	. (.)
CZE	121183	4.06	116257	532 (3.94)	519 (3.20)	. (.)
DNK	51741	0.65	51406	523 (2.48)	495 (5.13)	. (.)
FIN	57884	0.07	57845	551 (1.82)	527 (4.21)	. (.)
FRA	734579	0.87	728167	531 (2.62)	495 (3.96)	. (.)
DEU	884358	5.57	835070	528 (3.35)	476 (5.42)	. (.)
GRC	105131	0.13	104991	460 (4.61)	433 (3.79)	. (.)
HUN	107044	0.06	106984	492 (3.30)	507 (3.23)	. (.)
ISL	3928	0.63	3903	505 (1.68)	504 (4.43)	. (.)
IRL	54850	1.03	54285	503 (2.59)	486 (2.95)	. (.)
ITA	481521	0.39	479638	490 (3.39)	450 (3.67)	. (.)
JPN	1240054	0.10	1238855	547 (4.60)	548 (4.26)	530 (87.44)
KOR	533504	0.02	533396	556 (5.05)	549 (2.86)	. (.)
LUX	4080	0.10	4076	498 (1.47)	453 (4.99)	. (.)
MEX	1071650	0.37	1067674	390 (5.79)	384 (4.44)	. (.)
NLD	184943	3.15	179126	523 (2.96)	525 (4.65)	. (.)
NZL	48638	0.69	48300	548 (2.27)	506 (3.17)	. (.)
NOR	52816	0.77	52407	494 (2.64)	453 (6.54)	. (.)
POL	534900	.	534900	482 (5.25)	488 (2.75)	. (.)
PRT	96857	0.23	96637	486 (3.65)	449 (4.84)	. (.)
SVK	77067	0.17	76935	476 (5.98)	494 (3.33)	. (.)
ESP	344372	0.07	344114	489 (3.61)	474 (3.01)	. (.)
SWE	107104	0.23	106861	513 (2.51)	494 (4.66)	. (.)
CHE	86491	0.14	86370	530 (3.37)	493 (3.95)	. (.)
TUR	481279	0.03	481137	439 (9.12)	385 (4.11)	. (.)
GBR	698579	3.63	673243	515 (3.26)	502 (2.81)	. (.)
USA	3147089	0.76	3123066	489 (3.05)	448 (4.72)	. (.)
TOT	.	1.34	.	505 (1.21)	473 (1.51)	431 (57.02)
AVG	.	1.23	.	512 (0.60)	484 (0.99)	438 (21.05)
HKG	72484	0.21	72334	518 (11.45)	550 (3.78)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	465 (8.61)	484 (3.75)	. (.)
LIE	338	.	338	534 (4.84)	504 (14.44)	. (.)
MAC	6546	.	6546	502 (14.36)	534 (2.69)	. (.)
RUS	2153373	0.02	2152991	466 (8.89)	479 (4.56)	. (.)
YUG	68596	0.51	68244	424 (4.56)	419 (3.47)	. (.)
THA	637076	.	637076	401 (3.61)	433 (2.87)	. (.)
TUN	150875	0.21	150560	342 (5.52)	345 (2.12)	. (.)
URY	33775	0.15	33724	415 (5.72)	409 (3.93)	. (.)

Student Questionnaire – Question 19

Q19 How many books are there in your home?

There are usually about <40 books per metre> of shelving. Do not include magazines, newspapers, or your schoolbooks.

0-10 books
11-25 books
26-100 books
101-200 books
201-500 books
More than 500 books

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	0-10 books % (SE)	11-25 books % (SE)	26-100 books % (SE)	101-200 books % (SE)	201-500 books % (SE)	more than 500 books % (SE)	Missing % (SE)
AUS	235591	0.32	234828	4.86 (0.31)	8.83 (0.30)	28.17 (0.58)	22.34 (0.45)	20.70 (0.46)	13.43 (0.43)	1.67 (0.15)
AUT	85931	1.08	85003	9.31 (0.58)	15.66 (0.73)	32.43 (0.78)	19.11 (0.71)	14.09 (0.60)	8.40 (0.46)	1.00 (0.16)
BEL	111831	1.79	109825	11.72 (0.51)	15.41 (0.51)	30.09 (0.52)	17.97 (0.46)	13.99 (0.45)	8.54 (0.44)	2.28 (0.44)
CAN	330436	9.70	298375	6.37 (0.33)	10.77 (0.30)	29.28 (0.60)	21.48 (0.44)	17.33 (0.48)	10.88 (0.30)	3.89 (0.24)
CZE	121183	4.06	116257	1.94 (0.22)	4.68 (0.37)	29.20 (0.91)	27.17 (0.67)	22.30 (0.73)	12.75 (0.61)	1.95 (0.18)
DNK	51741	0.65	51406	7.43 (0.44)	12.77 (0.67)	31.40 (0.72)	20.02 (0.56)	15.99 (0.78)	9.85 (0.57)	2.54 (0.23)
FIN	57884	0.07	57845	5.11 (0.36)	12.51 (0.53)	36.47 (0.69)	22.02 (0.65)	16.33 (0.61)	6.57 (0.40)	1.00 (0.15)
FRA	734579	0.87	728167	9.10 (0.55)	15.54 (0.55)	33.84 (0.83)	19.49 (0.71)	12.67 (0.61)	8.01 (0.57)	1.36 (0.17)
DEU	884358	5.57	835070	6.92 (0.50)	13.13 (0.58)	29.45 (0.72)	20.51 (0.71)	17.13 (0.60)	11.68 (0.70)	1.19 (0.19)
GRC	105131	0.13	104991	7.17 (0.50)	21.75 (0.85)	34.93 (0.90)	17.10 (0.56)	10.36 (0.75)	7.14 (0.53)	1.54 (0.20)
HUN	107044	0.06	106984	4.06 (0.32)	9.52 (0.54)	26.55 (0.82)	21.99 (0.66)	20.28 (0.68)	16.24 (0.69)	1.36 (0.26)
ISL	3928	0.63	3903	3.25 (0.27)	5.97 (0.42)	26.79 (0.73)	24.88 (0.68)	22.91 (0.67)	15.16 (0.58)	1.04 (0.14)
IRL	54850	1.03	54285	10.40 (0.72)	14.92 (0.65)	33.12 (0.82)	19.70 (0.72)	13.49 (0.67)	7.34 (0.47)	1.03 (0.17)
ITA	481521	0.39	479622	8.96 (0.44)	16.69 (0.57)	32.41 (0.68)	19.86 (0.46)	13.07 (0.53)	7.88 (0.39)	1.12 (0.16)
JPN	1240054	0.10	1238855	9.81 (0.58)	11.68 (0.51)	32.23 (0.70)	18.28 (0.64)	17.21 (0.69)	9.62 (0.49)	1.18 (0.47)
KOR	533504	.	533504	5.98 (0.43)	10.79 (0.47)	33.22 (0.91)	24.60 (0.62)	18.49 (0.75)	6.53 (0.44)	0.40 (.)
LUX	4080	0.10	4076	10.18 (0.44)	14.77 (0.50)	28.80 (0.71)	16.17 (0.55)	12.73 (0.48)	15.08 (0.50)	2.28 (0.25)
MEX	1071650	0.37	1067674	36.19 (1.15)	29.17 (0.69)	19.83 (0.78)	5.47 (0.39)	2.63 (0.25)	1.43 (0.27)	5.27 (0.42)
NLD	184943	3.16	179097	12.58 (0.80)	16.22 (0.79)	28.05 (0.87)	16.74 (0.61)	15.06 (0.81)	10.09 (0.69)	1.26 (0.23)
NZL	48638	1.74	47792	6.14 (0.42)	11.43 (0.53)	30.05 (0.68)	21.73 (0.72)	18.32 (0.56)	11.23 (0.46)	1.09 (0.18)
NOR	52816	0.77	52407	4.55 (0.39)	7.45 (0.50)	24.78 (0.67)	23.35 (0.69)	23.30 (0.83)	14.79 (0.72)	1.79 (0.21)
POL	534900	.	534900	8.41 (0.53)	15.83 (0.65)	33.47 (0.88)	18.85 (0.75)	14.23 (0.61)	8.28 (0.56)	0.92 (0.18)
PRT	96857	0.23	96637	12.94 (0.79)	21.68 (0.89)	32.87 (0.90)	15.54 (0.59)	9.59 (0.66)	6.25 (0.58)	1.14 (0.16)
SVK	77067	0.04	77039	5.31 (0.61)	11.79 (0.56)	39.12 (0.77)	23.63 (0.77)	13.78 (0.72)	5.53 (0.39)	0.83 (0.16)
ESP	344372	0.07	344114	4.44 (0.32)	12.75 (0.72)	34.00 (0.82)	20.56 (0.65)	16.54 (0.68)	10.52 (0.67)	1.19 (0.17)
SWE	107104	0.23	106861	4.51 (0.43)	8.36 (0.48)	27.93 (0.88)	21.58 (0.56)	22.13 (0.62)	13.39 (0.64)	2.09 (0.20)
CHE	86491	0.14	86370	10.94 (0.65)	14.04 (0.53)	29.89 (0.87)	18.92 (0.60)	15.13 (0.77)	8.73 (0.49)	2.36 (0.21)
TUR	481279	0.03	481137	23.71 (1.52)	26.23 (1.03)	29.07 (1.11)	9.12 (0.69)	5.31 (0.62)	3.18 (0.54)	3.37 (0.41)
GBR	698579	3.70	672757	9.36 (0.53)	13.47 (0.51)	30.04 (0.80)	18.05 (0.54)	17.77 (0.67)	10.06 (0.67)	1.25 (0.22)
USA	3147089	0.76	3123066	12.21 (0.72)	15.09 (0.57)	30.85 (0.70)	18.63 (0.58)	13.54 (0.69)	8.46 (0.56)	1.22 (0.15)
TOT	.	1.35	.	12.28 (0.26)	15.67 (0.21)	30.24 (0.24)	17.88 (0.18)	13.90 (0.24)	8.29 (0.16)	1.73 (0.08)
AVG	.	1.26	.	9.15 (0.13)	13.99 (0.12)	30.62 (0.14)	19.48 (0.10)	15.53 (0.14)	9.55 (0.10)	1.68 (0.04)
HKG	72484	0.21	72334	26.02 (0.99)	24.05 (0.76)	31.40 (0.90)	9.97 (0.44)	5.42 (0.44)	2.48 (0.25)	0.66 (.)
IDN	1971476	.	1971476	30.29 (0.82)	35.08 (0.76)	16.99 (0.68)	3.69 (0.27)	1.56 (0.19)	1.84 (0.19)	10.55 (0.70)
LVA	33643	0.22	33570	3.26 (0.40)	9.65 (0.75)	28.67 (0.76)	23.93 (0.95)	21.44 (0.77)	12.34 (0.67)	0.72 (0.14)
LIE	338	.	338	8.84 (.)	13.30 (1.87)	32.27 (2.50)	19.51 (2.16)	13.77 (1.70)	9.29 (1.46)	3.01 (.)
MAC	6546	.	6546	30.29 (1.48)	28.64 (1.68)	27.93 (1.31)	8.41 (0.90)	2.74 (0.46)	1.41 (.)	0.59 (.)
RUS	2153373	0.02	2152991	4.41 (0.38)	11.88 (0.78)	29.75 (0.76)	23.00 (0.68)	18.86 (0.85)	11.46 (0.56)	0.65 (0.13)
YUG	68596	0.54	68226	19.44 (0.77)	24.82 (0.76)	33.22 (0.81)	11.65 (0.67)	5.30 (0.39)	2.96 (0.34)	2.60 (0.26)
THA	637076	.	637076	24.11 (1.17)	31.83 (0.90)	28.23 (0.81)	8.70 (0.55)	3.42 (0.30)	1.97 (0.27)	1.75 (0.29)
TUN	150875	0.09	150738	27.25 (1.13)	32.37 (0.89)	22.78 (0.83)	6.49 (0.45)	2.79 (0.25)	3.11 (0.36)	5.20 (0.48)
URY	33775	0.17	33719	20.81 (0.67)	23.83 (0.85)	28.24 (1.02)	13.08 (0.54)	6.37 (0.54)	4.64 (0.46)	3.03 (0.28)

Student Questionnaire – Question 19

Q19 How many books are there in your home?

There are usually about <40 books per metre> of shelving. Do not include magazines, newspapers, or your schoolbooks.

0-10 books
11-25 books
26-100 books
101-200 books
201-500 books
More than 500 books

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	0-10 books mean (SE)	11-25 books mean (SE)	26-100 books mean (SE)	101-200 books mean (SE)	201-500 books mean (SE)	more than 500 books mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	473 (6.07)	485 (3.94)	508 (2.76)	533 (2.89)	561 (2.77)	552 (3.61)	446 (9.23)
AUT	85931	1.08	85003	399 (5.00)	446 (5.24)	490 (3.47)	512 (4.13)	555 (5.55)	558 (5.44)	452 (18.32)
BEL	111831	1.79	109825	447 (5.82)	486 (3.99)	510 (3.03)	536 (3.12)	558 (3.44)	551 (4.50)	354 (24.53)
CAN	330436	9.70	298375	470 (3.79)	496 (3.39)	525 (1.87)	541 (2.63)	562 (2.31)	556 (3.35)	516 (5.55)
CZE	121183	4.06	116257	403 (10.98)	434 (8.69)	474 (2.90)	495 (4.02)	528 (3.32)	537 (4.46)	435 (13.11)
DNK	51741	0.65	51406	425 (7.56)	459 (4.60)	488 (3.53)	507 (3.91)	527 (3.59)	525 (5.26)	461 (14.25)
FIN	57884	0.07	57845	500 (6.31)	507 (3.78)	533 (2.04)	557 (2.54)	574 (3.31)	583 (5.27)	531 (16.95)
FRA	734579	0.87	728167	410 (7.42)	460 (4.82)	497 (3.46)	518 (3.66)	552 (5.02)	542 (6.64)	439 (13.61)
DEU	884358	5.57	835070	403 (7.30)	443 (5.71)	487 (4.36)	522 (3.86)	553 (4.11)	552 (5.16)	435 (17.93)
GRC	105131	0.13	104991	422 (6.16)	440 (5.59)	477 (4.28)	486 (4.27)	522 (6.60)	519 (8.58)	367 (20.37)
HUN	107044	0.06	106984	383 (8.77)	422 (4.89)	460 (2.99)	490 (3.24)	517 (3.88)	528 (4.45)	413 (20.41)
ISL	3928	0.63	3903	453 (9.77)	446 (7.45)	475 (3.43)	495 (3.98)	516 (3.77)	516 (4.96)	401 (19.82)
IRL	54850	1.03	54285	455 (6.80)	479 (3.87)	514 (2.93)	544 (3.06)	543 (4.47)	561 (5.43)	447 (15.89)
ITA	481521	0.39	479622	415 (6.87)	445 (5.18)	470 (3.23)	499 (3.51)	517 (3.81)	520 (5.25)	391 (14.56)
JPN	1240054	0.10	1238855	443 (7.54)	489 (5.74)	488 (4.46)	512 (5.50)	530 (5.56)	522 (6.30)	468 (63.03)
KOR	533504	.	533504	460 (7.51)	501 (5.28)	523 (3.17)	546 (3.11)	569 (3.89)	575 (7.91)	. (.)
LUX	4080	0.10	4076	392 (5.45)	435 (3.91)	479 (2.62)	502 (4.31)	528 (3.44)	524 (4.28)	438 (13.70)
MEX	1071650	0.37	1067674	384 (3.71)	395 (4.19)	432 (5.14)	449 (8.50)	457 (11.29)	441 (14.73)	329 (6.55)
NLD	184943	3.16	179097	468 (5.43)	484 (4.58)	509 (3.80)	533 (3.45)	563 (3.34)	568 (4.08)	468 (15.19)
NZL	48638	1.74	47792	447 (6.78)	473 (5.27)	508 (3.47)	535 (3.92)	563 (3.44)	575 (5.25)	470 (17.45)
NOR	52816	0.77	52407	413 (8.89)	458 (5.86)	482 (3.84)	504 (3.64)	532 (4.35)	535 (5.11)	410 (16.98)
POL	534900	.	534900	430 (5.66)	458 (4.72)	491 (3.19)	521 (5.22)	539 (3.95)	548 (5.25)	371 (18.64)
PRT	96857	0.23	96637	428 (6.21)	449 (5.04)	482 (3.80)	507 (4.28)	529 (4.92)	519 (6.56)	412 (16.55)
SVK	77067	0.04	77039	370 (8.86)	414 (4.96)	461 (3.59)	495 (3.72)	520 (3.57)	526 (7.33)	348 (24.14)
ESP	344372	0.07	344114	401 (7.04)	429 (4.37)	472 (2.79)	498 (3.63)	518 (3.43)	519 (5.42)	421 (14.56)
SWE	107104	0.23	106861	425 (7.65)	457 (5.96)	501 (2.82)	514 (3.44)	544 (3.41)	567 (4.19)	471 (12.51)
CHE	86491	0.14	86370	429 (4.87)	453 (4.64)	497 (2.71)	523 (5.41)	548 (4.58)	539 (6.14)	471 (9.92)
TUR	481279	0.03	481137	399 (4.56)	422 (5.12)	465 (6.29)	484 (8.78)	511 (12.40)	527 (21.48)	375 (9.62)
GBR	698579	3.70	672757	452 (5.02)	462 (4.28)	495 (2.43)	520 (3.88)	549 (4.94)	559 (7.07)	432 (16.05)
USA	3147089	0.76	3123066	422 (5.62)	457 (4.26)	494 (3.58)	520 (4.19)	546 (4.52)	554 (5.05)	405 (15.19)
TOT	.	1.35	.	414 (2.14)	448 (1.70)	489 (1.26)	517 (1.49)	543 (1.41)	544 (1.79)	399 (7.25)
AVG	.	1.26	.	422 (1.33)	452 (1.10)	490 (0.66)	515 (0.70)	541 (0.64)	542 (1.01)	422 (3.56)
HKG	72484	0.21	72334	478 (5.26)	505 (5.24)	526 (3.10)	535 (4.43)	546 (6.02)	542 (9.22)	. (.)
IDN	1971476	.	1971476	378 (3.43)	380 (3.79)	398 (4.61)	413 (7.28)	395 (10.72)	392 (10.26)	354 (4.63)
LVA	33643	0.22	33570	427 (11.15)	454 (7.24)	473 (4.56)	501 (5.20)	516 (4.43)	517 (5.89)	452 (21.87)
LIE	338	.	338	. (.)	488 (13.81)	519 (7.46)	520 (10.82)	570 (12.40)	584 (19.58)	. (.)
MAC	6546	.	6546	488 (4.24)	496 (4.02)	507 (3.84)	499 (8.45)	507 (10.56)	. (.)	. (.)
RUS	2153373	0.02	2152991	386 (7.40)	400 (5.42)	423 (4.20)	453 (4.30)	478 (4.56)	477 (4.81)	398 (22.20)
YUG	68596	0.54	68226	375 (4.21)	401 (3.87)	427 (3.65)	438 (5.46)	467 (7.73)	449 (9.68)	343 (7.84)
THA	637076	.	637076	406 (3.27)	409 (2.76)	428 (4.14)	446 (5.89)	476 (7.54)	474 (11.52)	370 (9.56)
TUN	150875	0.09	150738	349 (3.49)	371 (3.70)	402 (4.91)	418 (8.76)	417 (11.02)	422 (11.92)	311 (7.11)
URY	33775	0.17	33719	387 (6.19)	423 (4.09)	446 (4.56)	471 (5.95)	512 (9.10)	482 (10.29)	344 (11.35)

Student Questionnaire – Question 19

Q19 How many books are there in your home?

There are usually about <40 books per metre> of shelving. Do not include magazines, newspapers, or your schoolbooks.

0-10 books
11-25 books
26-100 books
101-200 books
201-500 books
More than 500 books

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	0-10 books mean (SE)	11-25 books mean (SE)	26-100 books mean (SE)	101-200 books mean (SE)	201-500 books mean (SE)	more than 500 books mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	472 (5.10)	481 (4.21)	505 (2.70)	531 (2.94)	558 (2.88)	559 (3.35)	474 (7.90)
AUT	85931	1.08	85003	432 (5.19)	463 (4.65)	503 (3.07)	522 (4.00)	568 (4.38)	559 (5.52)	480 (17.03)
BEL	111831	1.79	109825	474 (5.13)	500 (3.24)	534 (2.79)	558 (2.95)	579 (3.51)	576 (4.65)	387 (22.91)
CAN	330436	9.70	298375	484 (3.55)	500 (3.70)	527 (1.95)	545 (2.46)	566 (2.62)	563 (3.08)	526 (5.84)
CZE	121183	4.06	116257	431 (8.94)	453 (7.76)	498 (2.75)	523 (4.64)	556 (4.00)	565 (5.17)	472 (11.42)
DNK	51741	0.65	51406	448 (6.06)	476 (4.12)	507 (2.83)	530 (3.79)	555 (4.01)	550 (6.06)	485 (13.10)
FIN	57884	0.07	57845	496 (5.72)	507 (3.55)	535 (2.23)	558 (2.75)	576 (3.41)	586 (4.75)	513 (15.55)
FRA	734579	0.87	728167	441 (5.50)	469 (4.79)	511 (2.85)	530 (3.28)	560 (4.11)	565 (6.40)	469 (12.51)
DEU	884358	5.57	835070	428 (6.38)	455 (5.47)	496 (3.97)	527 (3.74)	560 (4.06)	567 (5.84)	460 (15.11)
GRC	105131	0.13	104991	397 (5.73)	410 (4.12)	446 (3.77)	464 (4.15)	496 (5.65)	491 (8.80)	374 (16.44)
HUN	107044	0.06	106984	393 (8.41)	420 (4.83)	463 (3.25)	498 (3.77)	531 (4.10)	544 (4.37)	417 (18.65)
ISL	3928	0.63	3903	458 (8.71)	476 (6.23)	496 (2.89)	518 (3.92)	539 (3.08)	543 (4.08)	438 (17.58)
IRL	54850	1.03	54285	447 (5.53)	472 (4.12)	498 (2.82)	530 (3.25)	534 (4.44)	543 (5.09)	453 (14.09)
ITA	481521	0.39	479622	411 (6.67)	433 (4.78)	459 (3.39)	484 (3.79)	508 (3.96)	520 (5.20)	400 (13.20)
JPN	1240054	0.10	1238855	479 (6.76)	514 (5.51)	527 (4.45)	545 (5.43)	565 (6.20)	564 (6.52)	517 (53.82)
KOR	533504	.	533504	455 (5.14)	495 (4.91)	526 (3.31)	553 (3.27)	588 (4.40)	613 (9.58)	. (.)
LUX	4080	0.10	4076	438 (4.35)	454 (3.84)	483 (2.46)	511 (3.95)	531 (3.79)	542 (3.31)	463 (11.77)
MEX	1071650	0.37	1067674	369 (3.44)	380 (3.80)	413 (4.58)	424 (6.73)	445 (9.60)	444 (13.25)	335 (6.18)
NLD	184943	3.16	179097	483 (6.34)	507 (4.42)	538 (3.70)	560 (3.65)	589 (3.88)	597 (4.60)	496 (15.35)
NZL	48638	1.74	47792	460 (6.44)	475 (4.32)	512 (2.87)	534 (3.71)	563 (3.45)	572 (4.86)	474 (15.30)
NOR	52816	0.77	52407	436 (6.94)	445 (4.56)	475 (3.42)	496 (3.14)	525 (3.55)	533 (4.33)	441 (13.83)
POL	534900	.	534900	425 (4.99)	451 (3.89)	484 (2.74)	514 (3.99)	533 (3.64)	539 (5.75)	404 (13.73)
PRT	96857	0.23	96637	416 (4.84)	431 (4.73)	469 (3.34)	495 (3.91)	521 (4.77)	531 (5.63)	415 (13.42)
SVK	77067	0.04	77039	396 (10.91)	444 (4.23)	489 (3.60)	522 (3.63)	552 (4.15)	556 (7.10)	402 (27.36)
ESP	344372	0.07	344114	402 (6.06)	436 (3.95)	471 (2.55)	502 (3.25)	526 (2.92)	534 (4.61)	441 (13.12)
SWE	107104	0.23	106861	443 (6.82)	452 (5.31)	489 (2.63)	508 (3.37)	542 (3.82)	563 (4.26)	482 (12.98)
CHE	86491	0.14	86370	456 (5.51)	478 (3.84)	521 (3.02)	548 (5.03)	577 (5.12)	580 (6.39)	513 (12.58)
TUR	481279	0.03	481137	376 (4.61)	403 (5.27)	443 (7.58)	470 (9.65)	525 (15.64)	537 (22.51)	356 (11.35)
GBR	698579	3.70	672757	458 (4.44)	463 (4.12)	493 (2.39)	519 (3.79)	551 (4.59)	568 (6.51)	449 (15.32)
USA	3147089	0.76	3123066	420 (4.60)	445 (3.75)	479 (3.13)	504 (3.90)	532 (4.51)	544 (5.18)	422 (13.27)
TOT	.	1.35	.	414 (1.94)	444 (1.73)	489 (1.16)	517 (1.26)	547 (1.57)	554 (1.85)	415 (7.31)
AVG	.	1.26	.	428 (1.36)	453 (1.13)	494 (0.70)	521 (0.67)	549 (0.74)	554 (1.01)	440 (3.35)
HKG	72484	0.21	72334	513 (5.75)	538 (6.38)	570 (4.02)	586 (6.17)	602 (7.22)	606 (11.20)	. (.)
IDN	1971476	.	1971476	358 (3.90)	354 (4.34)	381 (5.48)	397 (6.98)	401 (11.17)	373 (11.10)	332 (4.60)
LVA	33643	0.22	33570	414 (12.03)	439 (7.05)	467 (4.13)	491 (4.85)	513 (4.22)	512 (6.52)	444 (15.38)
LIE	338	.	338	. (.)	490 (15.15)	525 (7.80)	529 (10.68)	597 (11.38)	608 (20.06)	. (.)
MAC	6546	.	6546	518 (5.12)	522 (5.29)	543 (5.88)	518 (10.18)	568 (17.52)	. (.)	. (.)
RUS	2153373	0.02	2152991	413 (8.65)	428 (6.11)	451 (4.05)	480 (4.37)	502 (4.92)	502 (5.62)	418 (16.19)
YUG	68596	0.54	68226	400 (4.53)	422 (3.73)	453 (3.88)	467 (5.43)	492 (6.68)	475 (9.06)	368 (8.54)
THA	637076	.	637076	400 (3.59)	407 (3.37)	424 (4.10)	447 (6.23)	473 (8.74)	493 (11.13)	377 (8.21)
TUN	150875	0.09	150738	335 (2.64)	351 (2.86)	383 (4.34)	408 (7.95)	402 (9.53)	425 (10.31)	304 (5.41)
URY	33775	0.17	33719	383 (5.12)	409 (4.25)	432 (3.51)	457 (5.35)	492 (6.84)	470 (8.52)	346 (9.40)

Student Questionnaire – Question 19

Q19 How many books are there in your home?

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0-10 books
11-25 books
26-100 books
101-200 books
201-500 books
More than 500 books

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	0-10 books mean (SE)	11-25 books mean (SE)	26-100 books mean (SE)	101-200 books mean (SE)	201-500 books mean (SE)	more than 500 books mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	469 (6.38)	478 (4.20)	503 (2.39)	532 (2.97)	567 (2.88)	558 (3.63)	459 (8.65)
AUT	85931	1.08	85003	411 (5.11)	443 (4.55)	488 (3.53)	510 (3.94)	560 (4.47)	547 (5.77)	448 (19.27)
BEL	111831	1.79	109825	451 (5.43)	482 (3.57)	510 (2.95)	537 (3.01)	563 (3.62)	555 (4.52)	364 (20.13)
CAN	330436	9.70	298375	454 (4.40)	490 (3.87)	510 (2.02)	534 (2.72)	555 (2.91)	557 (4.08)	514 (7.10)
CZE	121183	4.06	116257	434 (10.41)	453 (8.91)	504 (3.07)	527 (4.62)	563 (4.10)	573 (5.26)	482 (14.61)
DNK	51741	0.65	51406	402 (6.61)	436 (4.57)	469 (3.49)	490 (4.33)	523 (4.18)	512 (6.60)	420 (13.99)
FIN	57884	0.07	57845	496 (7.13)	514 (4.72)	535 (2.22)	563 (3.00)	583 (3.99)	598 (5.68)	502 (15.89)
FRA	734579	0.87	728167	427 (6.49)	462 (5.55)	508 (3.46)	537 (4.46)	574 (4.93)	576 (7.45)	459 (16.46)
DEU	884358	5.57	835070	412 (7.10)	450 (6.02)	493 (4.59)	530 (4.02)	566 (4.46)	576 (5.54)	452 (17.19)
GRC	105131	0.13	104991	429 (6.49)	448 (4.22)	481 (4.17)	496 (4.51)	538 (6.82)	526 (6.85)	425 (18.17)
HUN	107044	0.06	106984	408 (8.89)	439 (5.37)	481 (3.43)	512 (4.37)	542 (4.53)	548 (4.75)	421 (18.43)
ISL	3928	0.63	3903	430 (10.02)	448 (6.83)	479 (2.97)	493 (3.83)	522 (3.64)	527 (4.70)	395 (20.70)
IRL	54850	1.03	54285	434 (5.57)	470 (4.54)	503 (3.10)	533 (3.32)	537 (4.82)	559 (6.01)	436 (16.38)
ITA	481521	0.39	479622	416 (8.01)	449 (5.29)	482 (3.55)	506 (3.89)	536 (4.36)	544 (5.58)	418 (16.52)
JPN	1240054	0.10	1238855	485 (7.28)	530 (5.56)	540 (4.73)	560 (5.75)	579 (6.70)	585 (7.20)	515 (53.03)
KOR	533504	.	533504	447 (6.47)	497 (5.73)	524 (3.69)	551 (3.82)	580 (4.69)	604 (9.30)	. (.)
LUX	4080	0.10	4076	408 (6.23)	433 (4.28)	475 (2.96)	503 (4.11)	532 (4.05)	538 (4.15)	457 (14.06)
MEX	1071650	0.37	1067674	390 (3.05)	398 (3.46)	429 (4.25)	445 (7.01)	474 (13.85)	470 (12.17)	361 (8.03)
NLD	184943	3.16	179097	468 (6.11)	487 (5.33)	522 (4.32)	544 (4.46)	584 (4.25)	583 (4.97)	483 (17.74)
NZL	48638	1.74	47792	454 (7.61)	471 (4.45)	509 (3.10)	533 (3.79)	562 (3.75)	569 (4.92)	466 (15.50)
NOR	52816	0.77	52407	406 (7.17)	431 (6.36)	467 (4.10)	486 (4.13)	516 (4.82)	521 (5.38)	418 (14.82)
POL	534900	.	534900	435 (5.53)	446 (4.43)	491 (3.03)	523 (4.38)	549 (4.41)	558 (6.30)	367 (16.66)
PRT	96857	0.23	96637	416 (5.85)	441 (4.61)	471 (3.45)	494 (4.31)	517 (5.13)	523 (7.28)	418 (17.27)
SVK	77067	0.04	77039	388 (16.79)	440 (4.93)	484 (3.96)	520 (3.95)	551 (4.60)	563 (7.06)	390 (34.40)
ESP	344372	0.07	344114	409 (8.29)	433 (4.34)	472 (3.08)	505 (3.83)	531 (3.55)	535 (5.37)	445 (15.82)
SWE	107104	0.23	106861	422 (8.00)	439 (6.13)	486 (4.06)	505 (3.67)	544 (4.22)	562 (5.17)	491 (15.44)
CHE	86491	0.14	86370	431 (5.49)	461 (5.33)	505 (3.07)	539 (5.90)	575 (5.68)	570 (7.27)	488 (10.93)
TUR	481279	0.03	481137	397 (4.39)	413 (4.86)	451 (6.46)	474 (8.96)	526 (13.91)	552 (21.45)	358 (9.32)
GBR	698579	3.70	672757	458 (4.88)	471 (4.41)	501 (2.89)	531 (4.04)	571 (5.18)	584 (6.69)	441 (16.27)
USA	3147089	0.76	3123066	417 (5.83)	450 (3.94)	488 (3.05)	513 (3.99)	549 (4.63)	559 (5.18)	428 (16.55)
TOT	.	1.35	.	419 (1.92)	449 (1.63)	494 (1.11)	524 (1.37)	558 (1.59)	565 (1.89)	420 (7.09)
AVG	.	1.26	.	424 (1.20)	453 (1.06)	493 (0.68)	520 (0.71)	552 (0.78)	555 (1.07)	434 (3.18)
HKG	72484	0.21	72334	505 (5.75)	528 (6.04)	559 (3.54)	572 (5.91)	584 (7.48)	581 (10.12)	. (.)
IDN	1971476	.	1971476	392 (3.64)	392 (3.27)	408 (4.64)	430 (7.18)	419 (9.70)	412 (8.97)	372 (4.20)
LVA	33643	0.22	33570	415 (10.42)	444 (7.01)	473 (4.36)	495 (5.48)	515 (4.99)	525 (6.32)	504 (20.85)
LIE	338	.	338	. (.)	477 (15.79)	516 (8.58)	518 (12.03)	586 (12.06)	603 (21.85)	. (.)
MAC	6546	.	6546	517 (5.30)	524 (5.54)	533 (5.96)	523 (12.54)	532 (14.86)	. (.)	. (.)
RUS	2153373	0.02	2152991	441 (8.53)	451 (5.71)	470 (4.41)	503 (4.92)	518 (4.67)	525 (5.31)	443 (24.17)
YUG	68596	0.54	68226	405 (3.98)	425 (3.73)	447 (3.83)	464 (5.74)	502 (8.34)	473 (9.10)	363 (9.32)
THA	637076	.	637076	409 (2.96)	418 (2.81)	437 (3.71)	458 (5.75)	499 (9.34)	503 (12.25)	402 (12.22)
TUN	150875	0.09	150738	367 (2.91)	381 (3.03)	401 (4.15)	429 (8.29)	418 (11.50)	417 (11.12)	337 (5.94)
URY	33775	0.17	33719	400 (4.90)	426 (3.75)	448 (3.68)	477 (7.21)	495 (9.30)	476 (12.00)	373 (11.47)

Student Questionnaire – Question 19

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0-10 books
11-25 books
26-100 books
101-200 books
201-500 books
More than 500 books

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	0-10 books mean (SE)	11-25 books mean (SE)	26-100 books mean (SE)	101-200 books mean (SE)	201-500 books mean (SE)	more than 500 books mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	477 (4.42)	494 (3.87)	513 (2.50)	536 (2.90)	560 (2.67)	561 (3.16)	478 (7.78)
AUT	85931	1.08	85003	434 (4.79)	470 (4.64)	502 (3.08)	523 (3.68)	560 (4.55)	562 (5.77)	487 (17.85)
BEL	111831	1.79	109825	463 (5.40)	501 (3.68)	530 (2.86)	550 (2.92)	572 (3.49)	572 (4.56)	407 (14.52)
CAN	330436	9.70	298375	477 (3.50)	500 (3.60)	525 (1.84)	541 (2.62)	567 (2.56)	558 (3.06)	520 (6.15)
CZE	121183	4.06	116257	429 (10.16)	450 (7.38)	500 (2.67)	522 (4.39)	557 (3.55)	562 (5.04)	470 (11.96)
DNK	51741	0.65	51406	449 (6.05)	479 (4.16)	513 (3.18)	533 (3.27)	554 (4.17)	549 (5.78)	481 (12.75)
FIN	57884	0.07	57845	503 (6.90)	508 (4.08)	540 (2.10)	561 (2.64)	580 (3.42)	589 (4.70)	470 (16.01)
FRA	734579	0.87	728167	450 (6.36)	484 (4.71)	515 (3.33)	539 (3.53)	574 (4.19)	568 (6.23)	481 (16.65)
DEU	884358	5.57	835070	428 (6.76)	462 (5.14)	508 (3.90)	535 (3.97)	565 (3.56)	571 (5.19)	469 (14.13)
GRC	105131	0.13	104991	404 (6.34)	413 (4.67)	451 (4.26)	463 (4.16)	505 (6.26)	494 (9.09)	362 (16.85)
HUN	107044	0.06	106984	404 (8.25)	427 (4.77)	473 (3.31)	510 (3.67)	545 (4.26)	554 (4.52)	426 (19.59)
ISL	3928	0.63	3903	453 (9.27)	468 (6.10)	492 (3.05)	506 (3.64)	527 (3.18)	529 (3.73)	394 (19.75)
IRL	54850	1.03	54285	445 (5.33)	466 (3.80)	497 (2.74)	522 (2.88)	524 (4.13)	543 (4.75)	431 (11.38)
ITA	481521	0.39	479622	407 (7.52)	433 (5.25)	467 (3.05)	489 (3.67)	513 (4.29)	521 (5.38)	383 (13.83)
JPN	1240054	0.10	1238855	491 (7.61)	530 (5.81)	542 (4.56)	559 (5.53)	576 (6.00)	575 (6.27)	512 (53.56)
KOR	533504	.	533504	473 (5.58)	512 (5.53)	537 (3.21)	561 (3.06)	589 (4.22)	607 (8.87)	. (.)
LUX	4080	0.10	4076	431 (4.69)	452 (3.81)	486 (2.81)	511 (3.88)	535 (3.65)	540 (3.66)	482 (11.44)
MEX	1071650	0.37	1067674	367 (3.67)	378 (5.01)	416 (5.55)	431 (7.56)	447 (11.54)	458 (13.92)	318 (7.11)
NLD	184943	3.16	179097	461 (6.54)	488 (4.38)	519 (3.83)	539 (3.83)	569 (4.00)	578 (4.48)	461 (14.72)
NZL	48638	1.74	47792	460 (6.84)	488 (4.51)	523 (2.93)	542 (3.93)	568 (3.06)	585 (4.49)	470 (13.76)
NOR	52816	0.77	52407	416 (7.31)	439 (5.36)	468 (3.79)	491 (3.97)	527 (3.92)	523 (4.78)	433 (13.54)
POL	534900	.	534900	430 (5.13)	451 (4.23)	478 (2.68)	508 (4.47)	531 (4.16)	537 (5.98)	365 (24.50)
PRT	96857	0.23	96637	417 (5.64)	437 (5.25)	473 (3.93)	499 (4.21)	526 (5.22)	530 (6.19)	418 (15.63)
SVK	77067	0.04	77039	391 (12.47)	433 (4.24)	484 (3.61)	517 (3.93)	543 (4.06)	549 (8.07)	393 (23.19)
ESP	344372	0.07	344114	404 (6.36)	431 (5.19)	471 (3.09)	497 (3.36)	523 (3.63)	531 (5.45)	402 (12.11)
SWE	107104	0.23	106861	431 (6.14)	452 (5.98)	496 (2.27)	508 (3.49)	538 (3.33)	559 (4.25)	469 (11.76)
CHE	86491	0.14	86370	451 (5.25)	481 (4.39)	520 (2.70)	543 (4.80)	559 (4.39)	571 (6.72)	505 (11.56)
TUR	481279	0.03	481137	361 (5.11)	392 (4.94)	425 (6.71)	453 (8.86)	496 (13.04)	502 (21.22)	346 (10.35)
GBR	698579	3.70	672757	461 (4.78)	466 (4.17)	497 (2.51)	520 (4.10)	555 (4.49)	558 (6.68)	453 (15.32)
USA	3147089	0.76	3123066	406 (5.08)	441 (3.95)	475 (3.41)	501 (3.96)	525 (4.66)	541 (5.01)	405 (13.77)
TOT	.	1.35	.	411 (2.21)	445 (1.92)	491 (1.26)	518 (1.29)	547 (1.55)	553 (1.71)	404 (7.81)
AVG	.	1.26	.	425 (1.52)	454 (1.18)	495 (0.67)	521 (0.68)	549 (0.71)	552 (1.00)	432 (3.38)
HKG	72484	0.21	72334	508 (5.69)	536 (6.10)	571 (3.36)	577 (5.29)	600 (7.00)	604 (10.21)	. (.)
IDN	1971476	.	1971476	359 (3.61)	356 (3.54)	378 (4.62)	395 (6.58)	395 (11.45)	385 (10.16)	338 (3.91)
LVA	33643	0.22	33570	414 (10.62)	433 (6.49)	467 (5.17)	491 (4.80)	508 (4.83)	516 (6.46)	449 (20.05)
LIE	338	.	338	. (.)	496 (14.09)	522 (7.03)	522 (11.20)	579 (13.24)	594 (19.45)	. (.)
MAC	6546	.	6546	520 (3.80)	530 (5.30)	548 (5.13)	529 (8.57)	566 (13.68)	. (.)	. (.)
RUS	2153373	0.02	2152991	422 (7.85)	438 (6.66)	459 (4.60)	492 (4.93)	513 (5.07)	515 (5.71)	405 (24.97)
YUG	68596	0.54	68226	383 (4.11)	412 (3.53)	432 (3.45)	449 (5.06)	474 (7.77)	459 (10.55)	353 (8.84)
THA	637076	.	637076	409 (3.62)	415 (2.98)	432 (4.26)	453 (5.64)	478 (7.98)	500 (10.35)	388 (10.74)
TUN	150875	0.09	150738	319 (2.65)	343 (2.49)	364 (3.74)	386 (7.30)	390 (9.79)	409 (9.70)	293 (5.86)
URY	33775	0.17	33719	363 (5.79)	399 (5.20)	420 (3.99)	446 (6.43)	488 (7.89)	476 (10.94)	330 (10.09)

Student Questionnaire – Question 20

Q20 Did you attend <ISCED 0>?

No

Yes, for one year or less

Yes, for more than one year

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No %	No (SE)	Yes, one year or less %	Yes, one year or less (SE)	Yes, more than one year %	Yes, more than one year (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234823	7.28	(0.44)	45.99	(0.60)	44.96	(0.69)	1.76	(0.21)
AUT	85931	1.08	85003	4.32	(0.46)	15.51	(0.87)	80.08	(1.16)	0.09	(.)
BEL	111831	1.79	109825	2.33	(0.18)	3.75	(0.26)	92.73	(0.34)	1.19	(0.13)
CAN	330436	9.70	298375	8.80	(0.36)	44.24	(0.62)	44.68	(0.68)	2.29	(0.15)
CZE	121183	4.11	116203	7.28	(0.40)	13.83	(0.58)	78.40	(0.68)	0.49	(.)
DNK	51741	0.65	51406	2.31	(0.26)	31.52	(0.95)	64.81	(1.01)	1.35	(0.16)
FIN	57884	0.07	57845	7.82	(0.51)	25.09	(0.76)	66.11	(0.91)	0.98	(0.14)
FRA	734579	0.87	728167	1.59	(0.25)	4.48	(0.35)	93.02	(0.52)	0.90	(0.17)
DEU	884358	5.57	835070	4.38	(0.32)	12.83	(0.52)	81.70	(0.57)	1.09	(0.19)
GRC	105131	0.13	104991	5.29	(0.49)	32.28	(1.25)	61.22	(1.39)	1.21	(0.19)
HUN	107044	0.06	106984	1.03	(0.16)	4.70	(0.33)	93.82	(0.43)	0.45	(.)
ISL	3928	0.63	3903	6.61	(0.44)	4.45	(0.30)	88.55	(0.51)	0.39	(.)
IRL	54850	1.03	54285	27.18	(1.29)	39.00	(1.09)	31.82	(1.23)	2.00	(0.24)
ITA	481521	0.12	480919	4.79	(0.38)	8.39	(0.49)	86.31	(0.68)	0.51	(0.15)
JPN	1240054	0.10	1238855	1.30	(0.18)	1.65	(0.23)	96.49	(0.31)	0.56	(.)
KOR	533504	.	533504	3.79	(0.28)	9.61	(0.47)	86.18	(0.59)	0.42	(.)
LUX	4080	0.10	4076	11.59	(0.46)	8.48	(0.44)	76.94	(0.69)	2.99	(0.29)
MEX	1071650	0.37	1067674	13.23	(0.85)	20.17	(0.84)	64.37	(1.20)	2.24	(0.25)
NLD	184943	3.15	179109	2.93	(0.34)	3.10	(0.28)	93.46	(0.43)	0.51	(.)
NZL	48638	1.23	48037	8.20	(0.43)	19.90	(0.70)	71.15	(0.75)	0.75	(0.13)
NOR	52816	0.77	52407	7.46	(0.54)	13.72	(0.76)	76.56	(1.04)	2.26	(0.25)
POL	534900	.	534900	3.84	(0.35)	51.41	(1.17)	44.19	(1.21)	0.56	(.)
PRT	96857	0.23	96637	27.54	(1.27)	17.26	(0.81)	54.62	(1.27)	0.58	(.)
SVK	77067	0.03	77043	8.02	(0.45)	15.48	(0.64)	75.58	(0.88)	0.92	(0.18)
ESP	344372	0.07	344114	5.38	(0.48)	10.07	(0.46)	83.30	(0.63)	1.26	(0.15)
SWE	107104	0.25	106838	11.55	(0.59)	28.04	(0.81)	58.28	(1.11)	2.13	(0.25)
CHE	86491	0.14	86370	3.11	(0.31)	29.93	(1.74)	66.07	(1.77)	0.89	(0.16)
TUR	481279	0.03	481137	74.84	(1.61)	15.15	(1.11)	7.64	(0.71)	2.37	(0.32)
GBR	698579	3.70	672757	5.56	(0.34)	25.76	(0.61)	67.60	(0.61)	1.09	(0.15)
USA	3147089	0.76	3123066	2.63	(0.25)	85.87	(0.54)	10.14	(0.49)	1.36	(0.17)
TOT	.	1.33	.	7.67	(0.19)	35.05	(0.33)	56.07	(0.31)	1.21	(0.06)
AVG	.	1.24	.	9.43	(0.16)	21.35	(0.13)	68.03	(0.19)	1.18	(0.04)
HKG	72484	0.21	72334	6.09	(0.55)	6.77	(0.47)	86.83	(0.95)	0.31	(.)
IDN	1971476	0.06	1970272	47.49	(1.51)	24.10	(0.84)	24.43	(1.34)	3.98	(0.30)
LVA	33643	0.22	33570	28.98	(0.94)	14.96	(0.64)	55.32	(1.07)	0.74	(0.18)
LIE	338	.	338	3.31	(.)	6.05	(.)	90.34	(1.53)	0.30	(.)
MAC	6546	.	6546	3.82	(0.72)	16.20	(1.21)	79.95	(1.36)	0.03	(.)
RUS	2153373	0.02	2152991	11.70	(0.84)	9.77	(0.53)	78.00	(1.15)	0.53	(.)
YUG	68596	0.54	68226	24.58	(1.00)	32.94	(1.15)	40.47	(1.59)	2.01	(0.24)
THA	637076	.	637076	4.79	(0.41)	20.77	(0.93)	73.95	(1.15)	0.49	(.)
TUN	150875	0.09	150739	44.48	(1.65)	24.91	(1.00)	25.66	(1.13)	4.96	(0.44)
URY	33775	0.17	33719	14.94	(0.81)	19.75	(0.82)	61.02	(1.11)	4.28	(0.27)

Student Questionnaire – Question 20

Q20 Did you attend <ISCED 0>?

No

Yes, for one year or less

Yes, for more than one year

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No mean (SE)	Yes, one year or less mean (SE)	Yes, more than one year mean (SE)	Missing mean (SE)
AUS	235591	0.33	234823	498 (5.04)	525 (2.49)	534 (2.28)	456 (10.45)
AUT	85931	1.08	85003	449 (8.52)	463 (6.83)	502 (3.32)	. (.)
BEL	111831	1.79	109825	422 (11.19)	430 (9.65)	518 (2.73)	338 (14.50)
CAN	330436	9.70	298375	500 (4.12)	526 (1.74)	545 (2.25)	496 (7.89)
CZE	121183	4.11	116203	484 (7.01)	488 (4.56)	499 (2.92)	. (.)
DNK	51741	0.65	51406	456 (11.77)	480 (3.53)	501 (2.91)	447 (15.98)
FIN	57884	0.07	57845	535 (5.04)	536 (2.74)	548 (1.89)	494 (18.61)
FRA	734579	0.87	728167	401 (15.30)	455 (9.07)	502 (2.61)	416 (21.15)
DEU	884358	5.57	835070	428 (9.32)	463 (6.65)	512 (3.35)	401 (16.11)
GRC	105131	0.13	104991	435 (9.36)	469 (5.02)	479 (4.08)	394 (26.49)
HUN	107044	0.06	106984	430 (17.73)	452 (8.91)	484 (2.43)	. (.)
ISL	3928	0.63	3903	497 (7.32)	487 (8.87)	493 (1.67)	. (.)
IRL	54850	1.03	54285	497 (4.05)	530 (3.12)	518 (4.09)	418 (16.79)
ITA	481521	0.12	480919	456 (9.74)	458 (7.44)	479 (2.89)	389 (27.68)
JPN	1240054	0.10	1238855	462 (15.04)	427 (16.62)	501 (3.82)	. (.)
KOR	533504	.	533504	526 (6.91)	526 (4.95)	536 (3.08)	. (.)
LUX	4080	0.10	4076	459 (4.61)	447 (5.50)	489 (1.69)	398 (10.90)
MEX	1071650	0.37	1067674	348 (4.96)	397 (4.73)	414 (4.51)	323 (12.34)
NLD	184943	3.15	179109	470 (12.00)	514 (8.80)	519 (2.73)	. (.)
NZL	48638	1.23	48037	466 (6.66)	519 (3.96)	531 (2.53)	490 (27.31)
NOR	52816	0.77	52407	468 (7.21)	484 (4.61)	508 (3.06)	453 (12.65)
POL	534900	.	534900	467 (9.68)	488 (3.29)	510 (3.25)	. (.)
PRT	96857	0.23	96637	474 (4.95)	483 (6.20)	479 (3.84)	. (.)
SVK	77067	0.03	77043	450 (6.46)	464 (5.66)	474 (3.02)	346 (20.14)
ESP	344372	0.07	344114	456 (7.62)	457 (4.48)	486 (2.73)	393 (15.89)
SWE	107104	0.25	106838	483 (6.69)	509 (3.18)	525 (2.65)	467 (12.88)
CHE	86491	0.14	86370	388 (12.00)	503 (4.18)	504 (3.99)	416 (15.44)
TUR	481279	0.03	481137	428 (4.61)	489 (9.27)	500 (13.59)	345 (11.83)
GBR	698579	3.70	672757	456 (6.72)	502 (3.32)	514 (3.01)	423 (23.29)
USA	3147089	0.76	3123066	444 (13.19)	502 (3.26)	470 (6.56)	376 (15.69)
TOT	.	1.33	.	431 (2.64)	494 (2.15)	495 (1.14)	380 (6.06)
AVG	.	1.24	.	456 (1.78)	495 (1.03)	502 (0.63)	411 (2.59)
HKG	72484	0.21	72334	456 (7.64)	464 (7.71)	518 (3.16)	. (.)
IDN	1971476	0.06	1970272	366 (2.56)	399 (4.61)	405 (5.88)	327 (6.42)
LVA	33643	0.22	33570	494 (4.49)	494 (5.97)	488 (4.25)	450 (18.24)
LIE	338	.	338	. (.)	. (.)	531 (4.01)	. (.)
MAC	6546	.	6546	469 (15.76)	475 (6.54)	504 (2.24)	. (.)
RUS	2153373	0.02	2152991	432 (5.49)	433 (7.12)	445 (4.10)	. (.)
YUG	68596	0.54	68226	407 (5.00)	410 (4.14)	419 (4.35)	364 (10.33)
THA	637076	.	637076	394 (6.75)	404 (4.03)	426 (3.05)	. (.)
TUN	150875	0.09	150739	365 (3.39)	378 (4.94)	399 (5.94)	313 (7.12)
URY	33775	0.17	33719	398 (6.00)	419 (5.93)	455 (3.63)	328 (9.16)

Student Questionnaire – Question 20

Q20 Did you attend <ISCED 0>?

No

Yes, for one year or less

Yes, for more than one year

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No mean (SE)	Yes, one year or less mean (SE)	Yes, more than one year mean (SE)	Missing mean (SE)
AUS	235591	0.33	234823	501 (5.31)	521 (2.57)	535 (2.12)	464 (11.95)
AUT	85931	1.08	85003	470 (6.81)	490 (6.39)	513 (3.02)	. (.)
BEL	111831	1.79	109825	447 (10.55)	445 (9.12)	540 (2.37)	392 (15.36)
CAN	330436	9.70	298375	512 (3.93)	529 (1.64)	549 (2.18)	500 (6.71)
CZE	121183	4.11	116203	511 (6.79)	515 (4.47)	525 (3.46)	. (.)
DNK	51741	0.65	51406	462 (12.40)	502 (3.15)	524 (2.99)	459 (14.49)
FIN	57884	0.07	57845	535 (4.45)	538 (2.96)	549 (2.27)	493 (15.75)
FRA	734579	0.87	728167	423 (13.33)	464 (7.70)	516 (2.42)	448 (21.35)
DEU	884358	5.57	835070	448 (9.72)	466 (6.51)	523 (3.29)	429 (13.40)
GRC	105131	0.13	104991	415 (8.78)	437 (4.59)	453 (4.08)	384 (19.47)
HUN	107044	0.06	106984	430 (16.98)	462 (8.11)	492 (2.83)	. (.)
ISL	3928	0.63	3903	511 (6.62)	506 (7.17)	516 (1.57)	. (.)
IRL	54850	1.03	54285	490 (3.48)	517 (3.05)	500 (3.68)	427 (12.98)
ITA	481521	0.12	480919	448 (10.75)	434 (6.61)	470 (2.93)	436 (19.10)
JPN	1240054	0.10	1238855	504 (13.29)	471 (15.02)	537 (3.96)	. (.)
KOR	533504	.	533504	531 (9.26)	535 (5.31)	544 (3.33)	. (.)
LUX	4080	0.10	4076	481 (4.44)	471 (5.21)	500 (1.19)	425 (8.57)
MEX	1071650	0.37	1067674	340 (4.60)	383 (3.96)	398 (4.11)	307 (10.83)
NLD	184943	3.15	179109	487 (13.16)	520 (9.88)	545 (2.83)	. (.)
NZL	48638	1.23	48037	480 (5.65)	517 (3.87)	532 (2.30)	501 (22.05)
NOR	52816	0.77	52407	468 (5.61)	480 (3.91)	502 (2.62)	450 (10.63)
POL	534900	.	534900	469 (8.79)	479 (2.83)	506 (2.98)	. (.)
PRT	96857	0.23	96637	457 (4.46)	462 (5.89)	473 (3.54)	. (.)
SVK	77067	0.03	77043	477 (7.45)	492 (6.57)	503 (3.10)	366 (21.98)
ESP	344372	0.07	344114	464 (7.99)	458 (3.87)	491 (2.49)	430 (12.01)
SWE	107104	0.25	106838	476 (6.19)	508 (3.44)	518 (2.75)	470 (11.93)
CHE	86491	0.14	86370	420 (10.86)	533 (4.73)	529 (3.98)	465 (17.53)
TUR	481279	0.03	481137	407 (4.99)	477 (11.33)	505 (15.39)	351 (9.78)
GBR	698579	3.70	672757	466 (6.43)	502 (3.35)	514 (2.96)	443 (19.47)
USA	3147089	0.76	3123066	448 (11.03)	488 (2.98)	460 (6.01)	401 (12.44)
TOT	.	1.33	.	425 (2.74)	484 (1.92)	504 (1.15)	399 (5.39)
AVG	.	1.24	.	452 (2.03)	493 (0.89)	511 (0.62)	427 (2.50)
HKG	72484	0.21	72334	475 (8.06)	484 (7.54)	562 (3.96)	. (.)
IDN	1971476	0.06	1970272	341 (2.64)	377 (5.02)	389 (7.16)	307 (6.58)
LVA	33643	0.22	33570	481 (4.97)	483 (5.38)	486 (4.16)	442 (13.90)
LIE	338	.	338	. (.)	. (.)	542 (4.62)	. (.)
MAC	6546	.	6546	496 (15.23)	510 (8.42)	532 (2.95)	. (.)
RUS	2153373	0.02	2152991	454 (5.22)	447 (6.92)	474 (4.16)	. (.)
YUG	68596	0.54	68226	434 (5.27)	428 (4.17)	450 (4.30)	377 (9.46)
THA	637076	.	637076	392 (6.26)	397 (3.72)	425 (3.40)	. (.)
TUN	150875	0.09	150739	348 (2.43)	358 (3.86)	387 (5.44)	311 (5.90)
URY	33775	0.17	33719	389 (4.80)	404 (5.09)	442 (3.59)	341 (6.47)

Student Questionnaire – Question 20

Q20 Did you attend <ISCED 0>?

No

Yes, for one year or less

Yes, for more than one year

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No mean (SE)	Yes, one year or less mean (SE)	Yes, more than one year mean (SE)	Missing mean (SE)
AUS	235591	0.33	234823	498 (5.46)	522 (2.39)	536 (2.14)	456 (9.43)
AUT	85931	1.08	85003	445 (7.21)	470 (6.38)	500 (3.09)	. (.)
BEL	111831	1.79	109825	429 (10.02)	439 (9.68)	519 (2.55)	353 (13.37)
CAN	330436	9.70	298375	489 (4.51)	518 (2.02)	536 (2.52)	475 (8.37)
CZE	121183	4.11	116203	518 (7.28)	520 (5.10)	531 (3.27)	. (.)
DNK	51741	0.65	51406	430 (11.99)	461 (3.90)	485 (3.23)	434 (17.01)
FIN	57884	0.07	57845	543 (6.14)	542 (3.05)	552 (2.42)	487 (15.43)
FRA	734579	0.87	728167	407 (18.60)	468 (9.94)	517 (2.95)	448 (26.85)
DEU	884358	5.57	835070	440 (9.70)	463 (7.41)	524 (3.50)	419 (15.10)
GRC	105131	0.13	104991	450 (8.53)	476 (4.49)	488 (4.01)	406 (18.12)
HUN	107044	0.06	106984	433 (19.49)	474 (8.51)	506 (2.77)	. (.)
ISL	3928	0.63	3903	505 (7.08)	479 (7.81)	495 (1.65)	. (.)
IRL	54850	1.03	54285	486 (4.01)	522 (3.14)	505 (4.09)	421 (13.97)
ITA	481521	0.12	480919	465 (12.08)	467 (7.17)	490 (3.04)	401 (24.55)
JPN	1240054	0.10	1238855	513 (16.19)	472 (18.32)	551 (4.08)	. (.)
KOR	533504	.	533504	531 (9.46)	530 (5.56)	540 (3.63)	. (.)
LUX	4080	0.10	4076	470 (5.58)	461 (5.39)	490 (1.71)	418 (10.67)
MEX	1071650	0.37	1067674	365 (4.38)	404 (4.09)	416 (4.16)	341 (13.56)
NLD	184943	3.15	179109	479 (13.53)	543 (10.93)	529 (3.14)	. (.)
NZL	48638	1.23	48037	471 (6.48)	516 (3.86)	530 (2.54)	515 (25.05)
NOR	52816	0.77	52407	449 (7.36)	472 (4.89)	492 (3.20)	440 (12.29)
POL	534900	.	534900	474 (10.42)	489 (3.25)	511 (3.45)	. (.)
PRT	96857	0.23	96637	464 (4.85)	466 (5.53)	472 (3.78)	. (.)
SVK	77067	0.03	77043	474 (7.98)	482 (9.04)	501 (3.20)	387 (24.63)
ESP	344372	0.07	344114	465 (8.31)	474 (4.98)	491 (2.74)	407 (14.94)
SWE	107104	0.25	106838	469 (6.71)	506 (3.85)	516 (3.09)	454 (14.90)
CHE	86491	0.14	86370	400 (12.44)	519 (5.17)	517 (4.34)	429 (25.16)
TUR	481279	0.03	481137	419 (4.48)	479 (10.41)	506 (13.98)	382 (9.72)
GBR	698579	3.70	672757	467 (7.65)	511 (3.77)	527 (3.15)	436 (20.82)
USA	3147089	0.76	3123066	460 (12.08)	496 (3.13)	471 (6.58)	420 (15.53)
TOT	.	1.33	.	434 (2.50)	491 (2.01)	510 (1.16)	408 (5.90)
AVG	.	1.24	.	455 (1.74)	495 (0.93)	510 (0.62)	424 (2.61)
HKG	72484	0.21	72334	473 (8.42)	488 (8.28)	549 (3.70)	. (.)
IDN	1971476	0.06	1970272	380 (2.40)	406 (4.46)	419 (5.70)	361 (7.07)
LVA	33643	0.22	33570	495 (4.66)	493 (5.76)	487 (4.41)	395 (17.12)
LIE	338	.	338	. (.)	. (.)	531 (5.46)	. (.)
MAC	6546	.	6546	504 (19.18)	514 (8.67)	528 (3.22)	. (.)
RUS	2153373	0.02	2152991	484 (5.80)	476 (8.43)	492 (4.27)	. (.)
YUG	68596	0.54	68226	432 (4.64)	433 (3.85)	446 (4.42)	376 (10.78)
THA	637076	.	637076	403 (6.28)	414 (3.45)	435 (3.14)	. (.)
TUN	150875	0.09	150739	377 (2.61)	390 (4.39)	402 (5.79)	333 (6.63)
URY	33775	0.17	33719	407 (4.92)	423 (4.91)	456 (3.27)	365 (7.76)

Student Questionnaire – Question 20

Q20 Did you attend <ISCED 0>?

No

Yes, for one year or less

Yes, for more than one year

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No mean (SE)	Yes, one year or less mean (SE)	Yes, more than one year mean (SE)	Missing mean (SE)
AUS	235591	0.33	234823	506 (5.44)	528 (2.34)	538 (2.11)	487 (10.86)
AUT	85931	1.08	85003	473 (6.48)	485 (5.73)	514 (2.95)	. (.)
BEL	111831	1.79	109825	446 (10.09)	460 (8.32)	535 (2.30)	375 (15.32)
CAN	330436	9.70	298375	508 (4.09)	526 (1.74)	547 (2.14)	505 (6.95)
CZE	121183	4.11	116203	512 (6.93)	519 (4.28)	524 (3.29)	. (.)
DNK	51741	0.65	51406	470 (10.20)	502 (2.89)	527 (2.76)	466 (14.21)
FIN	57884	0.07	57845	541 (5.10)	539 (2.68)	553 (2.28)	472 (15.25)
FRA	734579	0.87	728167	425 (16.09)	463 (8.04)	525 (2.51)	480 (20.41)
DEU	884358	5.57	835070	456 (8.64)	478 (6.34)	530 (3.24)	448 (13.69)
GRC	105131	0.13	104991	419 (9.87)	444 (4.87)	455 (4.18)	385 (21.82)
HUN	107044	0.06	106984	449 (17.42)	478 (9.86)	503 (2.82)	. (.)
ISL	3928	0.63	3903	501 (6.01)	500 (6.91)	506 (1.57)	. (.)
IRL	54850	1.03	54285	484 (3.30)	513 (2.88)	497 (3.56)	428 (12.79)
ITA	481521	0.12	480919	450 (11.08)	445 (7.89)	474 (2.81)	417 (19.83)
JPN	1240054	0.10	1238855	520 (15.63)	479 (15.40)	550 (3.99)	. (.)
KOR	533504	.	533504	541 (8.06)	546 (5.11)	552 (3.12)	. (.)
LUX	4080	0.10	4076	482 (4.42)	476 (5.45)	500 (1.60)	431 (8.86)
MEX	1071650	0.37	1067674	330 (4.91)	388 (4.80)	397 (4.89)	318 (11.60)
NLD	184943	3.15	179109	471 (12.49)	513 (10.05)	525 (2.98)	. (.)
NZL	48638	1.23	48037	487 (5.99)	529 (4.05)	541 (2.30)	503 (21.78)
NOR	52816	0.77	52407	459 (7.05)	476 (4.43)	497 (2.79)	457 (11.32)
POL	534900	.	534900	463 (9.46)	475 (3.10)	504 (3.29)	. (.)
PRT	96857	0.23	96637	464 (5.17)	468 (6.67)	474 (3.81)	. (.)
SVK	77067	0.03	77043	469 (6.57)	482 (6.24)	498 (3.16)	377 (18.30)
ESP	344372	0.07	344114	458 (8.54)	460 (4.84)	488 (2.82)	426 (14.44)
SWE	107104	0.25	106838	476 (5.77)	502 (3.06)	520 (2.82)	464 (11.04)
CHE	86491	0.14	86370	416 (10.62)	528 (4.41)	524 (3.42)	457 (17.40)
TUR	481279	0.03	481137	392 (4.57)	456 (9.63)	489 (13.90)	316 (9.95)
GBR	698579	3.70	672757	464 (6.28)	501 (3.10)	518 (2.82)	443 (18.94)
USA	3147089	0.76	3123066	443 (11.99)	484 (3.11)	448 (6.64)	396 (14.14)
TOT	.	1.33	.	418 (2.73)	481 (2.00)	508 (1.23)	398 (5.49)
AVG	.	1.24	.	448 (2.03)	493 (0.88)	512 (0.65)	425 (2.60)
HKG	72484	0.21	72334	466 (8.19)	491 (7.44)	559 (3.58)	. (.)
IDN	1971476	0.06	1970272	346 (2.38)	376 (4.47)	387 (6.06)	311 (5.73)
LVA	33643	0.22	33570	482 (5.21)	484 (5.65)	484 (4.37)	426 (17.05)
LIE	338	.	338	. (.)	. (.)	535 (4.25)	. (.)
MAC	6546	.	6546	516 (18.48)	509 (7.93)	538 (2.77)	. (.)
RUS	2153373	0.02	2152991	464 (5.34)	458 (7.74)	484 (4.71)	. (.)
YUG	68596	0.54	68226	415 (4.98)	414 (3.99)	432 (4.17)	363 (11.52)
THA	637076	.	637076	404 (6.75)	407 (3.72)	432 (3.07)	. (.)
TUN	150875	0.09	150739	337 (2.69)	347 (3.41)	368 (4.85)	284 (6.02)
URY	33775	0.17	33719	375 (6.04)	391 (5.83)	432 (3.87)	315 (7.59)

Student Questionnaire – Question 21

Q21 How old were you when you started <ISCED 1>?

Years

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.34	234779	3.87	5.2 (0.01)	4.00	4.00	5.00	5.00	6.00	6.00	6.00
AUT	85931	1.08	85003	6.12	6.2 (0.01)	5.00	6.00	6.00	6.00	6.00	7.00	7.00
BEL	111831	1.80	109813	18.54	5.9 (0.01)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
CAN	330436	9.70	298375	8.80	5.2 (0.01)	4.00	4.00	5.00	5.00	6.00	6.00	7.00
CZE	121183	4.11	116203	1.00	6.4 (0.01)	6.00	6.00	6.00	6.00	7.00	7.00	7.00
DNK	51741	0.65	51406	5.39	6.6 (0.01)	6.00	6.00	6.00	7.00	7.00	7.00	7.00
FIN	57884	0.07	57845	1.67	6.7 (0.01)	6.00	6.00	6.00	7.00	7.00	7.00	7.00
FRA	734579	0.87	728167	29.31	5.9 (0.01)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
DEU	884358	5.57	835070	2.37	6.3 (0.01)	6.00	6.00	6.00	6.00	7.00	7.00	7.00
GRC	105131	0.13	104991	4.20	6.3 (0.01)	6.00	6.00	6.00	6.00	7.00	7.00	7.00
HUN	107044	0.06	106984	2.84	6.7 (0.01)	6.00	6.00	6.00	7.00	7.00	7.00	7.00
ISL	3928	0.63	3903	3.93	5.8 (0.01)	5.00	5.00	6.00	6.00	6.00	6.00	6.00
IRL	54850	1.03	54285	8.02	4.4 (0.01)	4.00	4.00	4.00	4.00	5.00	5.00	5.00
ITA	481521	0.15	480777	2.67	5.9 (0.01)	5.00	5.00	6.00	6.00	6.00	6.00	6.00
JPN	1240054	100.00	.	.	. (.)	.	.	.	.	.	.	.
KOR	533504	.	533504	0.20	6.1 (0.02)	6.00	6.00	6.00	6.00	6.00	6.00	7.00
LUX	4080	0.13	4075	8.88	6.1 (0.01)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
MEX	1071650	13.34	928659	1.68	6.1 (0.02)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
NLD	184943	3.15	179113	6.89	6.0 (0.02)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
NZL	48638	0.69	48300	6.38	5.1 (0.01)	4.00	5.00	5.00	5.00	5.00	5.00	6.00
NOR	52816	0.82	52382	6.39	6.5 (0.02)	5.00	6.00	6.00	7.00	7.00	7.00	7.00
POL	534900	.	534900	2.52	7.0 (0.01)	6.00	7.00	7.00	7.00	7.00	7.00	8.00
PRT	96857	0.23	96637	13.31	5.9 (0.01)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
SVK	77067	0.03	77043	1.79	6.3 (0.01)	6.00	6.00	6.00	6.00	7.00	7.00	7.00
ESP	344372	0.07	344114	4.74	5.8 (0.01)	5.00	5.00	6.00	6.00	6.00	6.00	6.00
SWE	107104	0.25	106838	5.76	6.7 (0.01)	6.00	6.00	6.00	7.00	7.00	7.00	7.00
CHE	86491	0.15	86359	6.24	6.6 (0.02)	5.00	6.00	6.00	7.00	7.00	7.00	7.50
TUR	481279	0.06	481006	2.26	6.9 (0.01)	6.00	6.00	7.00	7.00	7.00	7.00	8.00
GBR	698579	3.70	672757	12.69	4.8 (0.02)	4.00	4.00	4.00	5.00	5.00	6.00	7.00
USA	3147089	0.76	3123066	11.31	5.4 (0.02)	4.00	5.00	5.00	5.00	6.00	6.00	7.00
TOT	.	12.75	.	8.21	5.9 (0.01)	4.00	5.00	5.00	6.00	6.00	7.00	7.00
AVG	.	4.98	.	6.55	6.0 (0.00)	4.00	5.00	6.00	6.00	7.00	7.00	7.00
HKG	72484	0.21	72334	6.00	6.1 (0.02)	5.00	5.00	6.00	6.00	6.00	7.00	7.00
IDN	1971476	0.08	1969932	8.71	6.3 (0.02)	5.00	5.00	6.00	6.00	7.00	7.00	7.00
LVA	33643	0.24	33563	1.73	6.7 (0.02)	6.00	6.00	6.00	7.00	7.00	7.00	8.00
LIE	338	.	338	3.95	6.7 (0.04)	6.00	6.00	6.00	7.00	7.00	7.00	8.00
MAC	6546	.	6546	13.82	6.2 (0.03)	5.00	5.00	6.00	6.00	7.00	7.00	8.00
RUS	2153373	0.02	2152991	1.20	6.8 (0.02)	6.00	6.00	7.00	7.00	7.00	7.00	8.00
YUG	68596	0.54	68225	1.73	6.9 (0.01)	6.00	6.00	7.00	7.00	7.00	7.00	7.00
THA	637076	.	637076	4.00	6.7 (0.01)	6.00	6.00	6.00	7.00	7.00	7.00	7.00
TUN	150875	0.13	150677	6.14	6.0 (0.01)	5.00	5.50	6.00	6.00	6.00	6.00	7.00
URY	33775	0.21	33705	5.09	5.8 (0.02)	5.00	5.00	5.00	6.00	6.00	6.00	7.00

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 1>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never % (SE)	Yes, once % (SE)	Yes, twice or more % (SE)	Missing % (SE)
AUS	235591	0.32	234828	90.05 (0.43)	7.89 (0.39)	0.10 (.)	1.96 (0.13)
AUT	85931	1.08	85003	87.17 (0.89)	2.96 (0.51)	0.09 (.)	9.78 (0.65)
BEL	111831	1.79	109825	74.83 (0.69)	14.68 (0.60)	1.47 (0.18)	9.02 (0.46)
CAN	330436	9.70	298375	90.58 (0.46)	5.07 (0.26)	0.66 (0.14)	3.70 (0.24)
CZE	121183	4.11	116203	96.52 (0.41)	1.51 (0.23)	0.01 (.)	1.96 (0.32)
DNK	51741	0.65	51406	92.88 (0.50)	2.69 (0.30)	0.08 (.)	4.35 (0.36)
FIN	57884	0.07	57845	96.33 (0.28)	2.31 (0.23)	0.05 (.)	1.31 (0.16)
FRA	734579	0.87	728167	74.07 (0.94)	14.60 (0.85)	0.91 (0.14)	10.42 (0.65)
DEU	884358	5.57	835070	82.97 (0.79)	8.78 (0.64)	0.21 (.)	8.04 (0.50)
GRC	105131	0.13	104991	91.75 (0.63)	0.65 (0.13)	0.03 (.)	7.57 (0.60)
HUN	107044	0.06	106984	91.02 (0.57)	3.54 (0.38)	0.42 (.)	5.03 (0.40)
ISL	3928	0.63	3903	98.91 (0.17)	. (.)	. (.)	1.09 (0.17)
IRL	54850	1.03	54285	82.56 (0.66)	12.81 (0.63)	0.29 (.)	4.35 (0.36)
ITA	481521	0.12	480919	88.22 (0.64)	1.09 (0.23)	0.37 (.)	10.32 (0.53)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	98.42 (0.19)	0.16 (.)	. (.)	1.42 (0.18)
LUX	4080	0.10	4076	69.28 (0.53)	12.62 (0.43)	2.26 (0.23)	15.84 (0.53)
MEX	1071650	0.37	1067674	68.57 (1.62)	19.88 (1.25)	2.54 (0.31)	9.01 (0.57)
NLD	184943	3.54	178389	73.79 (1.01)	20.78 (0.93)	0.59 (.)	4.84 (0.48)
NZL	48638	2.91	47224	94.77 (0.37)	3.32 (0.27)	0.06 (.)	1.85 (0.23)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	96.07 (0.47)	2.13 (0.27)	0.21 (.)	1.59 (0.23)
PRT	96857	0.23	96637	70.76 (1.85)	13.14 (1.47)	3.78 (0.44)	12.32 (0.80)
SVK	77067	0.03	77043	96.57 (0.53)	1.28 (0.29)	0.25 (.)	1.90 (0.26)
ESP	344372	0.07	344114	92.33 (0.51)	6.13 (0.46)	0.21 (.)	1.34 (0.14)
SWE	107104	0.25	106838	94.32 (0.48)	2.72 (0.34)	0.02 (.)	2.94 (0.29)
CHE	86491	0.14	86370	79.40 (0.92)	13.30 (0.73)	0.55 (0.10)	6.75 (0.43)
TUR	481279	0.03	481137	79.92 (1.40)	4.47 (0.75)	0.55 (.)	15.05 (1.05)
GBR	698579	3.70	672757	96.02 (0.31)	1.61 (0.19)	. (.)	2.37 (0.26)
USA	3147089	0.76	3123066	87.42 (0.81)	7.44 (0.54)	0.27 (.)	4.88 (0.43)
TOT	.	12.04	.	85.61 (0.33)	7.82 (0.22)	0.57 (0.05)	6.00 (0.16)
AVG	.	7.94	.	86.97 (0.17)	6.69 (0.12)	0.57 (0.03)	5.76 (0.09)
BRA	1952253	1.72	1918771	64.93 (1.38)	16.33 (0.85)	2.57 (0.35)	16.17 (0.80)
HKG	72484	0.21	72334	84.71 (0.60)	11.57 (0.58)	0.85 (0.13)	2.87 (0.27)
IDN	1971476	0.06	1970263	80.34 (0.96)	13.87 (0.82)	0.73 (0.13)	5.05 (0.36)
LVA	33643	0.22	33570	92.32 (0.65)	5.41 (0.57)	0.27 (.)	2.00 (0.24)
LIE	338	.	338	81.55 (1.77)	7.59 (.)	. (.)	10.86 (1.65)
MAC	6546	.	6546	58.66 (1.28)	21.37 (1.42)	6.80 (0.79)	13.17 (0.95)
RUS	2153373	0.02	2152991	95.38 (0.34)	2.19 (0.27)	0.10 (.)	2.34 (0.29)
YUG	68596	0.53	68233	94.61 (0.40)	0.15 (.)	. (.)	5.24 (0.40)
THA	637076	.	637076	97.11 (0.34)	0.40 (.)	. (.)	2.48 (0.28)
TUN	150875	0.09	150739	40.37 (1.28)	28.88 (0.86)	15.67 (0.77)	15.08 (0.72)
URY	33775	0.17	33719	71.38 (1.60)	14.17 (0.93)	4.11 (0.41)	10.34 (0.67)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 1>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.04)	460 (6.04)	. (.)	447 (8.34)
AUT	85931	1.08	85003	502 (3.24)	389 (11.63)	. (.)	445 (7.71)
BEL	111831	1.79	109825	541 (2.04)	406 (4.97)	331 (12.20)	457 (6.63)
CAN	330436	9.70	298375	540 (1.53)	442 (4.26)	390 (11.94)	470 (5.21)
CZE	121183	4.11	116203	499 (2.63)	407 (11.00)	. (.)	398 (15.30)
DNK	51741	0.65	51406	498 (2.75)	415 (10.21)	. (.)	436 (9.26)
FIN	57884	0.07	57845	547 (1.56)	444 (8.88)	. (.)	485 (14.99)
FRA	734579	0.87	728167	525 (2.37)	404 (5.71)	336 (17.25)	444 (5.39)
DEU	884358	5.57	835070	516 (3.23)	398 (7.52)	. (.)	458 (5.54)
GRC	105131	0.13	104991	480 (3.92)	364 (26.13)	. (.)	386 (8.85)
HUN	107044	0.06	106984	490 (2.55)	383 (8.73)	. (.)	416 (7.06)
ISL	3928	0.63	3903	493 (1.53)	. (.)	. (.)	418 (25.29)
IRL	54850	1.03	54285	526 (2.57)	464 (5.07)	. (.)	465 (9.22)
ITA	481521	0.12	480919	487 (2.78)	373 (20.06)	. (.)	400 (6.01)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	535 (3.07)	. (.)	. (.)	461 (13.46)
LUX	4080	0.10	4076	505 (1.70)	396 (4.40)	342 (8.86)	454 (3.73)
MEX	1071650	0.37	1067674	425 (3.62)	338 (5.49)	299 (8.37)	372 (6.49)
NLD	184943	3.54	178389	534 (2.46)	466 (4.04)	. (.)	503 (9.12)
NZL	48638	2.91	47224	529 (2.32)	452 (8.42)	. (.)	416 (15.34)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	503 (2.48)	335 (13.50)	. (.)	363 (14.71)
PRT	96857	0.23	96637	511 (2.46)	393 (4.81)	345 (7.48)	419 (4.64)
SVK	77067	0.03	77043	473 (2.98)	341 (12.36)	. (.)	367 (14.00)
ESP	344372	0.07	344114	489 (2.45)	372 (7.29)	. (.)	436 (12.53)
SWE	107104	0.25	106838	519 (2.20)	431 (11.49)	. (.)	450 (14.68)
CHE	86491	0.14	86370	515 (2.86)	422 (4.99)	365 (19.76)	469 (10.22)
TUR	481279	0.03	481137	457 (5.89)	341 (7.85)	. (.)	392 (4.46)
GBR	698579	3.70	672757	510 (2.64)	435 (13.44)	. (.)	394 (16.24)
USA	3147089	0.76	3123066	509 (2.80)	409 (5.65)	. (.)	394 (7.80)
TOT	.	12.04	.	503 (1.12)	390 (2.86)	327 (8.34)	411 (2.64)
AVG	.	7.94	.	507 (0.57)	409 (1.91)	339 (4.22)	428 (1.81)
BRA	1952253	1.72	1918771	433 (4.87)	346 (4.56)	306 (14.04)	359 (5.55)
HKG	72484	0.21	72334	519 (3.52)	462 (5.11)	431 (19.86)	445 (16.00)
IDN	1971476	0.06	1970263	391 (3.42)	335 (4.06)	330 (12.01)	360 (6.66)
LVA	33643	0.22	33570	497 (3.82)	423 (9.90)	. (.)	423 (12.22)
LIE	338	.	338	534 (4.19)	. (.)	. (.)	506 (14.60)
MAC	6546	.	6546	520 (2.86)	472 (5.12)	431 (7.37)	473 (5.99)
RUS	2153373	0.02	2152991	446 (3.97)	342 (12.50)	. (.)	386 (11.24)
YUG	68596	0.53	68233	415 (3.50)	. (.)	. (.)	364 (7.37)
THA	637076	.	637076	421 (2.84)	. (.)	. (.)	370 (8.77)
TUN	150875	0.09	150739	428 (4.23)	344 (3.08)	305 (4.80)	362 (5.61)
URY	33775	0.17	33719	466 (3.09)	345 (5.56)	307 (9.20)	385 (7.15)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 1>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (2.09)	462 (6.74)	. (.)	455 (8.16)
AUT	85931	1.08	85003	516 (2.98)	410 (11.97)	. (.)	462 (6.19)
BEL	111831	1.79	109825	564 (2.09)	426 (3.52)	349 (9.54)	478 (6.10)
CAN	330436	9.70	298375	544 (1.58)	448 (3.62)	392 (11.84)	475 (4.74)
CZE	121183	4.11	116203	526 (3.05)	418 (12.05)	. (.)	419 (15.39)
DNK	51741	0.65	51406	520 (2.66)	429 (9.95)	. (.)	461 (8.92)
FIN	57884	0.07	57845	548 (1.82)	433 (8.13)	. (.)	494 (11.97)
FRA	734579	0.87	728167	539 (2.27)	420 (4.60)	368 (12.55)	464 (5.14)
DEU	884358	5.57	835070	527 (3.24)	407 (7.02)	. (.)	466 (5.46)
GRC	105131	0.13	104991	452 (3.84)	353 (15.47)	. (.)	366 (7.46)
HUN	107044	0.06	106984	498 (2.92)	391 (8.38)	. (.)	420 (7.18)
ISL	3928	0.63	3903	516 (1.42)	. (.)	. (.)	469 (21.33)
IRL	54850	1.03	54285	513 (2.36)	453 (4.72)	. (.)	455 (9.05)
ITA	481521	0.12	480919	476 (2.83)	334 (20.25)	. (.)	401 (4.74)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	543 (3.24)	. (.)	. (.)	476 (11.81)
LUX	4080	0.10	4076	516 (1.32)	416 (3.78)	383 (7.26)	469 (3.00)
MEX	1071650	0.37	1067674	408 (3.31)	329 (4.43)	298 (9.67)	363 (4.90)
NLD	184943	3.54	178389	561 (2.71)	485 (4.31)	. (.)	523 (9.21)
NZL	48638	2.91	47224	530 (2.12)	463 (8.58)	. (.)	435 (14.08)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	495 (2.22)	354 (9.11)	. (.)	386 (10.36)
PRT	96857	0.23	96637	497 (2.25)	386 (3.77)	349 (4.96)	410 (3.45)
SVK	77067	0.03	77043	503 (3.11)	357 (16.52)	. (.)	387 (12.91)
ESP	344372	0.07	344114	493 (2.35)	375 (5.34)	. (.)	454 (10.12)
SWE	107104	0.25	106838	513 (2.36)	440 (11.72)	. (.)	463 (15.20)
CHE	86491	0.14	86370	546 (3.16)	440 (3.77)	370 (11.71)	487 (8.43)
TUR	481279	0.03	481137	439 (7.14)	324 (6.86)	. (.)	376 (4.35)
GBR	698579	3.70	672757	511 (2.64)	456 (11.16)	. (.)	416 (14.33)
USA	3147089	0.76	3123066	495 (2.68)	404 (5.77)	. (.)	399 (6.44)
TOT	.	12.04	.	499 (1.04)	391 (2.70)	335 (8.68)	415 (2.27)
AVG	.	7.94	.	512 (0.58)	415 (1.85)	352 (4.32)	434 (1.67)
BRA	1952253	1.72	1918771	385 (5.40)	295 (5.49)	274 (8.98)	316 (4.42)
HKG	72484	0.21	72334	563 (4.45)	485 (5.36)	459 (20.56)	486 (15.85)
IDN	1971476	0.06	1970263	370 (4.11)	314 (4.59)	303 (10.02)	333 (7.14)
LVA	33643	0.22	33570	491 (3.83)	392 (6.94)	. (.)	417 (12.00)
LIE	338	.	338	546 (5.21)	. (.)	. (.)	513 (16.31)
MAC	6546	.	6546	556 (3.70)	491 (6.08)	460 (10.07)	495 (6.97)
RUS	2153373	0.02	2152991	472 (4.24)	386 (11.42)	. (.)	411 (9.16)
YUG	68596	0.53	68233	439 (3.73)	. (.)	. (.)	399 (7.50)
THA	637076	.	637076	418 (2.98)	. (.)	. (.)	379 (9.71)
TUN	150875	0.09	150739	412 (4.39)	326 (2.27)	294 (2.78)	346 (3.78)
URY	33775	0.17	33719	452 (3.07)	338 (3.25)	302 (5.25)	379 (5.14)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 1>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.03)	463 (6.81)	. (.)	454 (8.78)
AUT	85931	1.08	85003	502 (3.11)	393 (10.98)	. (.)	443 (7.01)
BEL	111831	1.79	109825	541 (2.23)	411 (4.18)	338 (10.97)	460 (5.90)
CAN	330436	9.70	298375	532 (1.75)	420 (4.26)	351 (15.18)	456 (5.57)
CZE	121183	4.11	116203	532 (2.93)	432 (13.69)	. (.)	433 (16.35)
DNK	51741	0.65	51406	481 (2.91)	386 (10.67)	. (.)	420 (9.42)
FIN	57884	0.07	57845	552 (1.90)	431 (9.83)	. (.)	477 (12.99)
FRA	734579	0.87	728167	544 (2.70)	405 (5.59)	335 (12.73)	455 (6.85)
DEU	884358	5.57	835070	527 (3.50)	405 (8.21)	. (.)	468 (5.84)
GRC	105131	0.13	104991	488 (3.78)	409 (19.84)	. (.)	410 (6.27)
HUN	107044	0.06	106984	512 (2.90)	398 (11.24)	. (.)	437 (8.14)
ISL	3928	0.63	3903	496 (1.52)	. (.)	. (.)	467 (23.46)
IRL	54850	1.03	54285	516 (2.65)	454 (4.98)	. (.)	457 (9.93)
ITA	481521	0.12	480919	498 (2.82)	352 (27.64)	. (.)	414 (6.27)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	540 (3.54)	. (.)	. (.)	458 (14.08)
LUX	4080	0.10	4076	509 (1.72)	401 (4.34)	356 (9.37)	453 (3.89)
MEX	1071650	0.37	1067674	423 (3.41)	358 (4.90)	330 (9.01)	391 (5.34)
NLD	184943	3.54	178389	547 (2.91)	470 (5.20)	. (.)	513 (9.58)
NZL	48638	2.91	47224	527 (2.31)	454 (8.51)	. (.)	424 (14.45)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	503 (2.62)	360 (10.96)	. (.)	387 (12.29)
PRT	96857	0.23	96637	498 (2.56)	390 (4.42)	354 (6.55)	411 (4.23)
SVK	77067	0.03	77043	500 (3.22)	323 (29.10)	. (.)	388 (16.67)
ESP	344372	0.07	344114	496 (2.55)	376 (6.72)	. (.)	435 (14.03)
SWE	107104	0.25	106838	509 (2.56)	446 (12.75)	. (.)	466 (16.27)
CHE	86491	0.14	86370	531 (3.32)	430 (5.52)	375 (16.94)	480 (11.85)
TUR	481279	0.03	481137	448 (6.30)	352 (8.28)	. (.)	391 (4.75)
GBR	698579	3.70	672757	522 (2.72)	463 (14.16)	. (.)	419 (16.41)
USA	3147089	0.76	3123066	503 (2.82)	416 (5.21)	. (.)	403 (7.45)
TOT	.	12.04	.	505 (1.09)	399 (2.49)	349 (7.87)	421 (2.49)
AVG	.	7.94	.	511 (0.56)	413 (1.74)	351 (3.76)	435 (1.64)
BRA	1952253	1.72	1918771	415 (4.84)	337 (5.59)	320 (9.90)	355 (4.70)
HKG	72484	0.21	72334	550 (4.13)	481 (5.55)	453 (21.97)	484 (14.57)
IDN	1971476	0.06	1970263	403 (3.30)	356 (3.94)	345 (10.84)	380 (5.50)
LVA	33643	0.22	33570	495 (4.00)	418 (7.34)	. (.)	438 (12.69)
LIE	338	.	338	535 (4.86)	. (.)	. (.)	506 (16.67)
MAC	6546	.	6546	551 (4.19)	494 (6.06)	451 (10.51)	497 (8.71)
RUS	2153373	0.02	2152991	493 (4.15)	403 (12.24)	. (.)	436 (10.16)
YUG	68596	0.53	68233	439 (3.47)	. (.)	. (.)	400 (7.96)
THA	637076	.	637076	430 (2.73)	. (.)	. (.)	397 (8.01)
TUN	150875	0.09	150739	436 (4.36)	354 (2.84)	322 (3.50)	373 (4.92)
URY	33775	0.17	33719	466 (2.86)	361 (4.67)	334 (8.29)	393 (6.96)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 1>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	537 (1.92)	471 (6.32)	. (.)	460 (7.89)
AUT	85931	1.08	85003	515 (2.86)	419 (12.33)	. (.)	466 (6.32)
BEL	111831	1.79	109825	558 (1.99)	426 (3.61)	359 (8.96)	475 (5.08)
CAN	330436	9.70	298375	542 (1.52)	441 (3.57)	386 (12.94)	471 (5.41)
CZE	121183	4.11	116203	526 (2.93)	425 (11.99)	. (.)	425 (14.63)
DNK	51741	0.65	51406	523 (2.45)	429 (9.03)	. (.)	453 (9.19)
FIN	57884	0.07	57845	551 (1.83)	444 (9.55)	. (.)	467 (13.57)
FRA	734579	0.87	728167	547 (2.38)	427 (5.07)	386 (16.18)	470 (5.20)
DEU	884358	5.57	835070	534 (3.15)	421 (6.98)	. (.)	477 (5.77)
GRC	105131	0.13	104991	456 (3.92)	338 (18.63)	. (.)	365 (7.50)
HUN	107044	0.06	106984	509 (2.92)	405 (10.03)	. (.)	431 (7.34)
ISL	3928	0.63	3903	506 (1.40)	. (.)	. (.)	453 (20.19)
IRL	54850	1.03	54285	508 (2.28)	455 (4.51)	. (.)	445 (8.35)
ITA	481521	0.12	480919	482 (2.71)	329 (26.42)	. (.)	390 (5.59)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	552 (3.07)	. (.)	. (.)	473 (11.60)
LUX	4080	0.10	4076	516 (1.42)	419 (3.70)	387 (8.11)	469 (3.76)
MEX	1071650	0.37	1067674	410 (3.85)	321 (4.88)	280 (10.95)	359 (6.75)
NLD	184943	3.54	178389	541 (2.93)	469 (4.34)	. (.)	500 (8.84)
NZL	48638	2.91	47224	539 (2.03)	474 (9.79)	. (.)	440 (13.53)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	492 (2.46)	341 (12.06)	. (.)	362 (15.00)
PRT	96857	0.23	96637	503 (2.49)	384 (5.08)	346 (6.94)	410 (3.85)
SVK	77067	0.03	77043	496 (3.13)	356 (24.92)	. (.)	385 (13.17)
ESP	344372	0.07	344114	490 (2.60)	372 (5.96)	. (.)	449 (11.61)
SWE	107104	0.25	106838	512 (2.24)	460 (12.84)	. (.)	463 (13.88)
CHE	86491	0.14	86370	538 (2.75)	445 (3.64)	369 (15.19)	486 (8.70)
TUR	481279	0.03	481137	424 (6.09)	300 (8.98)	. (.)	358 (4.24)
GBR	698579	3.70	672757	513 (2.51)	464 (12.66)	. (.)	415 (14.86)
USA	3147089	0.76	3123066	490 (2.79)	394 (5.74)	. (.)	384 (6.79)
TOT	.	12.04	.	499 (1.08)	387 (2.86)	321 (9.28)	409 (2.67)
AVG	.	7.94	.	511 (0.57)	415 (2.04)	347 (5.09)	431 (1.83)
BRA	1952253	1.72	1918771	401 (5.07)	312 (5.03)	277 (10.60)	328 (4.82)
HKG	72484	0.21	72334	560 (4.12)	480 (4.90)	441 (18.96)	486 (15.07)
IDN	1971476	0.06	1970263	371 (3.48)	317 (3.58)	303 (12.67)	340 (7.04)
LVA	33643	0.22	33570	490 (4.05)	391 (9.21)	. (.)	416 (12.82)
LIE	338	.	338	541 (4.98)	. (.)	. (.)	495 (15.68)
MAC	6546	.	6546	559 (3.22)	498 (5.75)	459 (10.33)	506 (6.76)
RUS	2153373	0.02	2152991	483 (4.65)	385 (13.85)	. (.)	411 (11.12)
YUG	68596	0.53	68233	424 (3.29)	. (.)	. (.)	359 (7.02)
THA	637076	.	637076	426 (2.72)	. (.)	. (.)	393 (10.30)
TUN	150875	0.09	150739	394 (3.50)	318 (2.36)	281 (3.37)	331 (3.65)
URY	33775	0.17	33719	442 (3.66)	322 (4.14)	288 (8.82)	367 (6.44)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 2>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never % (SE)	Yes, once % (SE)	Yes, twice or more % (SE)	Missing % (SE)
AUS	235591	0.32	234828	88.24 (0.47)	1.14 (0.11)	0.02 (.)	10.61 (0.42)
AUT	85931	1.08	85003	87.13 (0.90)	3.31 (0.50)	0.14 (.)	9.43 (0.66)
BEL	111831	1.82	109800	77.40 (0.58)	7.10 (0.35)	0.29 (.)	15.22 (0.53)
CAN	330436	9.70	298375	88.93 (0.49)	4.74 (0.30)	0.72 (0.09)	5.61 (0.31)
CZE	121183	4.11	116203	95.06 (0.44)	1.24 (0.23)	0.01 (.)	3.69 (0.37)
DNK	51741	0.65	51406	92.20 (0.52)	0.73 (0.15)	0.02 (.)	7.05 (0.46)
FIN	57884	0.07	57845	96.39 (0.28)	0.44 (.)	. (.)	3.17 (0.25)
FRA	734579	0.87	728167	63.31 (1.11)	25.71 (1.10)	0.95 (0.17)	10.03 (0.67)
DEU	884358	5.57	835070	79.58 (0.86)	13.45 (0.65)	0.65 (.)	6.32 (0.48)
GRC	105131	0.13	104991	89.63 (0.76)	4.92 (0.51)	0.81 (0.20)	4.64 (0.38)
HUN	107044	0.06	106984	91.11 (0.55)	2.90 (0.29)	0.52 (0.11)	5.46 (0.50)
ISL	3928	0.63	3903	98.21 (0.26)	. (.)	. (.)	1.79 (0.26)
IRL	54850	1.03	54285	84.16 (0.60)	1.04 (0.20)	. (.)	14.81 (0.61)
ITA	481521	0.12	480919	86.28 (0.67)	4.95 (0.46)	0.57 (0.20)	8.20 (0.48)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	98.05 (0.22)	0.25 (.)	. (.)	1.70 (0.21)
LUX	4080	0.10	4076	61.23 (0.52)	24.47 (0.51)	0.56 (.)	13.74 (0.50)
MEX	1071650	0.37	1067674	66.55 (1.59)	5.92 (0.60)	0.28 (0.08)	27.25 (1.36)
NLD	184943	4.04	177463	78.77 (1.01)	9.45 (0.74)	0.02 (.)	11.76 (0.80)
NZL	48638	3.76	46811	94.24 (0.41)	1.09 (0.16)	0.02 (.)	4.64 (0.33)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	95.80 (0.47)	1.52 (0.23)	0.13 (.)	2.56 (0.32)
PRT	96857	0.23	96637	69.99 (1.78)	13.65 (0.92)	2.98 (0.34)	13.38 (1.36)
SVK	77067	0.03	77043	95.58 (0.59)	0.98 (0.14)	0.16 (.)	3.29 (0.50)
ESP	344372	0.07	344114	73.66 (0.95)	24.78 (0.94)	0.24 (.)	1.33 (0.14)
SWE	107104	0.25	106838	93.46 (0.50)	0.77 (0.17)	. (.)	5.76 (0.44)
CHE	86491	0.14	86370	78.64 (1.04)	7.97 (0.62)	0.12 (.)	13.27 (0.69)
TUR	481279	0.03	481137	75.41 (1.48)	3.63 (0.61)	0.20 (.)	20.77 (1.22)
GBR	698579	3.70	672757	95.84 (0.33)	0.39 (.)	. (.)	3.77 (0.29)
USA	3147089	0.76	3123066	88.04 (0.89)	3.61 (0.53)	0.21 (.)	8.14 (0.52)
TOT	.	12.05	.	83.60 (0.37)	6.52 (0.20)	0.32 (0.03)	9.55 (0.24)
AVG	.	7.99	.	85.08 (0.17)	6.08 (0.09)	0.34 (0.02)	8.50 (0.12)
BRA	1952253	1.72	1918771	62.02 (1.57)	11.95 (0.77)	2.56 (0.31)	23.47 (1.35)
HKG	72484	0.21	72334	86.81 (0.59)	4.49 (0.40)	0.45 (.)	8.24 (0.42)
IDN	1971476	0.06	1970263	73.33 (1.10)	0.99 (0.12)	0.14 (.)	25.55 (1.06)
LVA	33643	0.26	33555	91.29 (0.81)	1.29 (0.22)	0.17 (.)	7.25 (0.72)
LIE	338	.	338	79.48 (1.52)	10.56 (1.51)	0.30 (.)	9.66 (1.52)
MAC	6546	.	6546	56.66 (1.54)	23.09 (1.31)	4.77 (0.71)	15.48 (0.99)
RUS	2153373	0.02	2152991	93.55 (0.47)	1.01 (0.16)	0.13 (.)	5.31 (0.41)
YUG	68596	0.61	68174	91.12 (0.47)	0.20 (.)	. (.)	8.68 (0.47)
THA	637076	.	637076	95.43 (0.38)	1.01 (0.17)	0.10 (.)	3.46 (0.34)
TUN	150875	0.09	150739	43.47 (1.34)	26.85 (1.15)	3.96 (0.34)	25.72 (1.07)
URY	33775	0.17	33719	68.56 (1.70)	15.66 (0.87)	3.71 (0.41)	12.08 (0.76)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 2>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.00)	455 (11.09)	. (.)	463 (5.07)
AUT	85931	1.08	85003	502 (3.36)	445 (13.42)	. (.)	434 (7.73)
BEL	111831	1.82	109800	533 (2.35)	454 (8.12)	. (.)	423 (5.83)
CAN	330436	9.70	298375	540 (1.51)	453 (4.70)	454 (11.26)	463 (4.20)
CZE	121183	4.11	116203	501 (2.63)	393 (17.50)	. (.)	409 (9.12)
DNK	51741	0.65	51406	499 (2.78)	442 (21.47)	. (.)	421 (7.95)
FIN	57884	0.07	57845	546 (1.59)	. (.)	. (.)	469 (8.85)
FRA	734579	0.87	728167	532 (2.76)	449 (4.55)	419 (18.77)	411 (7.43)
DEU	884358	5.57	835070	516 (3.41)	471 (4.41)	. (.)	389 (9.13)
GRC	105131	0.13	104991	482 (3.93)	373 (9.37)	353 (19.04)	410 (11.24)
HUN	107044	0.06	106984	489 (2.51)	407 (7.61)	389 (19.95)	407 (9.02)
ISL	3928	0.63	3903	494 (1.66)	. (.)	. (.)	412 (18.13)
IRL	54850	1.03	54285	526 (2.57)	406 (17.58)	. (.)	463 (4.73)
ITA	481521	0.12	480919	488 (2.72)	382 (9.50)	321 (28.68)	412 (6.37)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	536 (3.05)	. (.)	. (.)	461 (13.93)
LUX	4080	0.10	4076	505 (1.82)	463 (2.99)	. (.)	400 (4.83)
MEX	1071650	0.37	1067674	427 (3.47)	378 (8.23)	323 (15.90)	340 (4.64)
NLD	184943	4.04	177463	528 (2.59)	507 (6.33)	. (.)	462 (5.64)
NZL	48638	3.76	46811	530 (2.29)	417 (17.09)	. (.)	447 (9.24)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	503 (2.51)	357 (17.15)	. (.)	361 (12.69)
PRT	96857	0.23	96637	511 (2.53)	404 (4.67)	371 (7.83)	405 (5.66)
SVK	77067	0.03	77043	474 (2.95)	354 (15.09)	. (.)	367 (11.60)
ESP	344372	0.07	344114	502 (2.56)	419 (3.98)	. (.)	435 (12.40)
SWE	107104	0.25	106838	520 (2.20)	431 (21.28)	. (.)	443 (8.60)
CHE	86491	0.14	86370	513 (3.31)	482 (6.09)	. (.)	428 (5.58)
TUR	481279	0.03	481137	461 (5.90)	362 (9.16)	. (.)	383 (4.75)
GBR	698579	3.70	672757	511 (2.57)	. (.)	. (.)	413 (10.32)
USA	3147089	0.76	3123066	508 (2.83)	387 (8.48)	. (.)	411 (6.17)
TOT	.	12.05	.	504 (1.16)	426 (2.65)	381 (10.19)	391 (2.66)
AVG	.	7.99	.	508 (0.61)	436 (1.60)	382 (5.83)	412 (1.54)
BRA	1952253	1.72	1918771	436 (4.54)	366 (6.36)	347 (10.68)	342 (4.97)
HKG	72484	0.21	72334	518 (3.35)	462 (9.99)	. (.)	449 (7.44)
IDN	1971476	0.06	1970263	396 (3.51)	342 (11.99)	. (.)	343 (3.10)
LVA	33643	0.26	33555	497 (3.83)	421 (15.83)	. (.)	427 (8.04)
LIE	338	.	338	530 (4.26)	518 (12.13)	. (.)	492 (13.49)
MAC	6546	.	6546	521 (2.91)	473 (4.08)	453 (12.42)	462 (5.78)
RUS	2153373	0.02	2152991	447 (3.89)	360 (17.60)	. (.)	368 (7.47)
YUG	68596	0.61	68174	417 (3.47)	. (.)	. (.)	361 (5.68)
THA	637076	.	637076	422 (2.82)	389 (13.12)	. (.)	374 (8.54)
TUN	150875	0.09	150739	419 (3.93)	343 (3.63)	325 (7.16)	341 (3.91)
URY	33775	0.17	33719	469 (2.87)	364 (5.03)	346 (8.70)	357 (7.09)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 2>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.05)	463 (8.82)	. (.)	463 (5.58)
AUT	85931	1.08	85003	515 (3.09)	460 (11.40)	. (.)	454 (6.28)
BEL	111831	1.82	109800	556 (2.28)	474 (6.51)	. (.)	442 (4.76)
CAN	330436	9.70	298375	545 (1.62)	460 (4.59)	451 (10.22)	466 (4.15)
CZE	121183	4.11	116203	528 (3.05)	411 (15.91)	. (.)	427 (9.52)
DNK	51741	0.65	51406	521 (2.66)	450 (22.45)	. (.)	442 (7.07)
FIN	57884	0.07	57845	547 (1.85)	. (.)	. (.)	463 (8.16)
FRA	734579	0.87	728167	545 (2.75)	464 (4.05)	423 (13.20)	433 (6.03)
DEU	884358	5.57	835070	526 (3.48)	478 (4.43)	. (.)	405 (8.19)
GRC	105131	0.13	104991	454 (3.81)	349 (7.97)	330 (14.14)	387 (8.88)
HUN	107044	0.06	106984	498 (2.88)	412 (8.38)	374 (18.08)	411 (8.30)
ISL	3928	0.63	3903	516 (1.49)	. (.)	. (.)	454 (15.43)
IRL	54850	1.03	54285	513 (2.42)	426 (16.85)	. (.)	450 (4.55)
ITA	481521	0.12	480919	477 (2.77)	385 (7.80)	342 (34.59)	403 (6.48)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	544 (3.23)	. (.)	. (.)	476 (14.21)
LUX	4080	0.10	4076	517 (1.44)	473 (2.46)	. (.)	422 (4.68)
MEX	1071650	0.37	1067674	409 (3.25)	365 (6.53)	320 (22.14)	332 (3.96)
NLD	184943	4.04	177463	555 (2.73)	528 (6.49)	. (.)	478 (5.65)
NZL	48638	3.76	46811	531 (2.09)	433 (17.32)	. (.)	458 (7.75)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	495 (2.21)	377 (11.40)	. (.)	377 (9.16)
PRT	96857	0.23	96637	497 (2.38)	402 (3.36)	375 (9.11)	392 (4.53)
SVK	77067	0.03	77043	504 (3.07)	365 (11.12)	. (.)	386 (13.11)
ESP	344372	0.07	344114	506 (2.57)	425 (2.70)	. (.)	454 (10.50)
SWE	107104	0.25	106838	514 (2.34)	456 (21.60)	. (.)	447 (8.52)
CHE	86491	0.14	86370	543 (3.53)	503 (5.18)	. (.)	443 (3.95)
TUR	481279	0.03	481137	444 (7.16)	343 (11.15)	. (.)	363 (4.33)
GBR	698579	3.70	672757	511 (2.60)	. (.)	. (.)	431 (8.42)
USA	3147089	0.76	3123066	494 (2.70)	391 (7.41)	. (.)	410 (5.52)
TOT	.	12.05	.	500 (1.08)	433 (2.62)	383 (8.60)	390 (2.52)
AVG	.	7.99	.	513 (0.61)	445 (1.72)	384 (5.60)	416 (1.55)
BRA	1952253	1.72	1918771	389 (5.06)	319 (5.00)	309 (11.09)	295 (4.52)
HKG	72484	0.21	72334	561 (4.27)	497 (11.72)	. (.)	475 (7.78)
IDN	1971476	0.06	1970263	376 (4.29)	334 (12.16)	. (.)	317 (3.49)
LVA	33643	0.26	33555	491 (3.81)	408 (15.45)	. (.)	404 (5.56)
LIE	338	.	338	542 (5.13)	515 (12.40)	. (.)	510 (15.71)
MAC	6546	.	6546	557 (3.79)	497 (5.46)	469 (12.26)	481 (8.18)
RUS	2153373	0.02	2152991	474 (4.18)	406 (15.43)	. (.)	393 (6.85)
YUG	68596	0.61	68174	442 (3.73)	. (.)	. (.)	389 (5.76)
THA	637076	.	637076	419 (2.98)	384 (14.60)	. (.)	374 (8.87)
TUN	150875	0.09	150739	403 (4.07)	329 (3.07)	324 (5.97)	321 (2.36)
URY	33775	0.17	33719	454 (2.89)	356 (3.28)	348 (5.00)	351 (4.82)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 2>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.02)	461 (9.54)	. (.)	464 (5.52)
AUT	85931	1.08	85003	501 (3.22)	442 (13.31)	. (.)	434 (6.63)
BEL	111831	1.82	109800	533 (2.40)	459 (6.62)	. (.)	426 (4.84)
CAN	330436	9.70	298375	533 (1.82)	435 (5.17)	421 (12.33)	445 (4.66)
CZE	121183	4.11	116203	533 (2.92)	423 (18.72)	. (.)	438 (10.29)
DNK	51741	0.65	51406	482 (2.89)	411 (25.66)	. (.)	401 (7.89)
FIN	57884	0.07	57845	552 (1.91)	. (.)	. (.)	461 (8.71)
FRA	734579	0.87	728167	553 (3.28)	452 (5.12)	407 (16.57)	420 (7.53)
DEU	884358	5.57	835070	526 (3.65)	480 (5.02)	. (.)	399 (9.87)
GRC	105131	0.13	104991	489 (3.77)	396 (6.53)	411 (17.89)	428 (9.50)
HUN	107044	0.06	106984	511 (2.84)	422 (9.03)	397 (21.11)	426 (9.12)
ISL	3928	0.63	3903	496 (1.58)	. (.)	. (.)	444 (18.52)
IRL	54850	1.03	54285	515 (2.68)	409 (19.43)	. (.)	453 (4.70)
ITA	481521	0.12	480919	499 (2.76)	396 (10.13)	296 (41.42)	421 (6.96)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	540 (3.53)	. (.)	. (.)	462 (14.88)
LUX	4080	0.10	4076	509 (1.91)	461 (3.27)	. (.)	406 (5.01)
MEX	1071650	0.37	1067674	425 (3.22)	388 (6.65)	359 (20.63)	361 (4.36)
NLD	184943	4.04	177463	540 (2.97)	516 (6.90)	. (.)	466 (6.65)
NZL	48638	3.76	46811	528 (2.27)	428 (18.80)	. (.)	452 (8.22)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	503 (2.62)	383 (12.94)	. (.)	377 (10.28)
PRT	96857	0.23	96637	499 (2.54)	403 (4.31)	373 (8.65)	396 (5.70)
SVK	77067	0.03	77043	501 (3.16)	382 (14.07)	. (.)	369 (20.12)
ESP	344372	0.07	344114	510 (2.63)	423 (3.95)	. (.)	436 (14.26)
SWE	107104	0.25	106838	510 (2.58)	446 (22.98)	. (.)	453 (9.34)
CHE	86491	0.14	86370	528 (3.80)	496 (6.66)	. (.)	434 (5.53)
TUR	481279	0.03	481137	452 (6.31)	365 (9.72)	. (.)	381 (4.02)
GBR	698579	3.70	672757	522 (2.67)	. (.)	. (.)	436 (10.02)
USA	3147089	0.76	3123066	503 (2.86)	399 (8.82)	. (.)	417 (6.40)
TOT	.	12.05	.	506 (1.13)	434 (2.64)	385 (9.52)	401 (2.37)
AVG	.	7.99	.	512 (0.60)	442 (1.72)	386 (6.05)	417 (1.50)
BRA	1952253	1.72	1918771	418 (4.48)	357 (5.99)	354 (9.41)	338 (5.29)
HKG	72484	0.21	72334	549 (4.08)	489 (10.70)	. (.)	476 (7.54)
IDN	1971476	0.06	1970263	407 (3.49)	372 (10.42)	. (.)	363 (3.10)
LVA	33643	0.26	33555	495 (4.02)	419 (14.18)	. (.)	426 (6.87)
LIE	338	.	338	532 (4.97)	507 (12.60)	. (.)	492 (16.85)
MAC	6546	.	6546	554 (4.24)	488 (5.10)	470 (13.27)	490 (6.67)
RUS	2153373	0.02	2152991	494 (4.04)	421 (18.57)	. (.)	419 (8.50)
YUG	68596	0.61	68174	441 (3.53)	. (.)	. (.)	396 (5.37)
THA	637076	.	637076	431 (2.74)	399 (14.61)	. (.)	392 (8.48)
TUN	150875	0.09	150739	427 (4.09)	352 (3.30)	342 (7.56)	353 (2.73)
URY	33775	0.17	33719	469 (2.87)	377 (5.63)	368 (7.80)	368 (5.37)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 2>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	538 (1.86)	468 (8.85)	. (.)	471 (5.69)
AUT	85931	1.08	85003	515 (2.98)	473 (12.65)	. (.)	456 (6.35)
BEL	111831	1.82	109800	551 (2.21)	472 (6.19)	. (.)	442 (4.37)
CAN	330436	9.70	298375	543 (1.53)	451 (4.29)	437 (11.54)	464 (4.01)
CZE	121183	4.11	116203	528 (2.94)	419 (16.41)	. (.)	426 (9.88)
DNK	51741	0.65	51406	524 (2.46)	447 (20.93)	. (.)	439 (7.16)
FIN	57884	0.07	57845	551 (1.86)	. (.)	. (.)	459 (8.86)
FRA	734579	0.87	728167	555 (2.75)	471 (4.19)	435 (14.76)	437 (6.65)
DEU	884358	5.57	835070	533 (3.40)	488 (4.33)	. (.)	417 (8.35)
GRC	105131	0.13	104991	458 (3.94)	352 (8.03)	329 (15.28)	386 (9.68)
HUN	107044	0.06	106984	509 (2.89)	422 (7.22)	385 (19.42)	423 (8.79)
ISL	3928	0.63	3903	506 (1.48)	. (.)	. (.)	439 (15.81)
IRL	54850	1.03	54285	508 (2.31)	417 (16.14)	. (.)	449 (4.12)
ITA	481521	0.12	480919	483 (2.67)	374 (9.64)	303 (36.16)	396 (7.58)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	552 (3.05)	. (.)	. (.)	479 (12.92)
LUX	4080	0.10	4076	517 (1.59)	475 (3.06)	. (.)	425 (4.03)
MEX	1071650	0.37	1067674	411 (3.72)	367 (9.57)	329 (22.22)	323 (4.52)
NLD	184943	4.04	177463	535 (2.96)	508 (6.06)	. (.)	462 (5.71)
NZL	48638	3.76	46811	540 (1.97)	443 (14.99)	. (.)	464 (8.29)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	492 (2.46)	367 (14.39)	. (.)	358 (12.22)
PRT	96857	0.23	96637	503 (2.61)	401 (4.13)	374 (7.97)	391 (6.21)
SVK	77067	0.03	77043	497 (3.05)	351 (15.31)	. (.)	382 (15.54)
ESP	344372	0.07	344114	504 (2.69)	421 (3.45)	. (.)	448 (11.59)
SWE	107104	0.25	106838	513 (2.25)	472 (21.87)	. (.)	454 (8.15)
CHE	86491	0.14	86370	536 (3.15)	502 (5.57)	. (.)	445 (4.39)
TUR	481279	0.03	481137	429 (6.04)	323 (10.13)	. (.)	346 (4.77)
GBR	698579	3.70	672757	513 (2.48)	. (.)	. (.)	432 (9.11)
USA	3147089	0.76	3123066	489 (2.81)	377 (7.97)	. (.)	400 (6.23)
TOT	.	12.05	.	499 (1.12)	432 (2.89)	383 (8.87)	384 (2.76)
AVG	.	7.99	.	512 (0.59)	444 (1.71)	384 (6.42)	413 (1.74)
BRA	1952253	1.72	1918771	405 (4.73)	333 (4.61)	322 (9.61)	309 (5.00)
HKG	72484	0.21	72334	559 (3.89)	494 (10.29)	. (.)	469 (7.32)
IDN	1971476	0.06	1970263	375 (3.61)	333 (14.23)	. (.)	324 (3.38)
LVA	33643	0.26	33555	490 (4.06)	400 (17.19)	. (.)	406 (7.69)
LIE	338	.	338	536 (4.78)	512 (14.51)	. (.)	494 (15.81)
MAC	6546	.	6546	562 (3.43)	499 (5.03)	487 (10.50)	488 (6.67)
RUS	2153373	0.02	2152991	484 (4.58)	414 (17.63)	. (.)	393 (8.48)
YUG	68596	0.61	68174	426 (3.29)	. (.)	. (.)	361 (6.09)
THA	637076	.	637076	426 (2.76)	421 (13.97)	. (.)	388 (8.08)
TUN	150875	0.09	150739	385 (3.24)	317 (2.86)	302 (6.31)	311 (2.51)
URY	33775	0.17	33719	443 (3.55)	343 (3.83)	334 (8.08)	336 (5.51)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 3>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never %	(SE)	Yes, once %	(SE)	Yes, twice or more %	(SE)	Missing %	(SE)
AUS	235591	80.80	45230	93.89	(0.51)	0.22	(.)	.	(.)	5.89	(0.50)
AUT	85931	5.98	80790	81.21	(0.82)	3.43	(0.51)	.	(.)	15.36	(0.77)
BEL	111831	4.87	106388	76.36	(0.61)	7.92	(0.42)	0.06	(.)	15.66	(0.46)
CAN	330436	24.79	248518	92.43	(0.36)	0.63	(0.09)	0.04	(.)	6.90	(0.34)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DNK	51741	98.42	815	92.43	(2.73)	.	(.)	.	(.)	7.57	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
GRC	105131	8.97	95696	85.16	(0.83)	0.77	(0.14)	.	(.)	14.07	(0.84)
HUN	107044	6.10	100513	90.06	(0.66)	2.87	(0.27)	0.02	(.)	7.05	(0.63)
ISL	3928	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
IRL	54850	64.36	19548	85.36	(1.00)	0.14	(.)	.	(.)	14.50	(0.98)
ITA	481521	1.69	473371	85.84	(0.63)	8.58	(0.50)	0.09	(.)	5.49	(0.42)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
KOR	533504	1.57	525133	97.43	(0.24)	0.07	(.)	.	(.)	2.50	(0.24)
LUX	4080	70.69	1196	95.17	(0.66)	0.09	(.)	.	(.)	4.74	(0.66)
MEX	1071650	56.49	466290	81.39	(0.89)	2.47	(0.39)	0.04	(.)	16.10	(0.80)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	10.07	43738	95.92	(0.31)	0.36	(.)	0.05	(.)	3.67	(0.29)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	99.49	2727	95.45	(.)	.	(.)	.	(.)	4.55	(.)
PRT	96857	35.17	62793	92.20	(0.89)	0.16	(.)	.	(.)	7.64	(0.87)
SVK	77067	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	95.42	4904	92.71	(2.52)	.	(.)	.	(.)	7.29	(.)
CHE	86491	82.66	14996	88.96	(1.90)	0.59	(.)	.	(.)	10.45	(1.97)
TUR	481279	5.26	455959	74.49	(1.41)	9.72	(0.87)	.	(.)	15.79	(0.95)
GBR	698579	4.46	667429	96.00	(0.32)	0.26	(.)	.	(.)	3.74	(0.27)
USA	3147089	32.93	2110607	96.10	(0.35)	0.66	(.)	.	(.)	3.24	(0.30)
TOT	.	54.23	.	91.13	(0.25)	2.34	(0.12)	0.01	(0.00)	6.52	(0.19)
AVG	.	59.67	.	88.20	(0.20)	2.87	(0.10)	0.02	(0.01)	8.91	(0.16)
BRA	1952253	39.37	1183602	78.91	(0.90)	1.98	(0.30)	.	(.)	19.12	(0.88)
HKG	72484	41.77	42210	90.74	(0.58)	0.07	(.)	.	(.)	9.19	(0.58)
IDN	1971476	63.87	712294	48.49	(1.75)	0.10	(.)	.	(.)	51.42	(1.75)
LVA	33643	93.08	2328	92.67	(1.86)	.	(.)	.	(.)	7.33	(.)
LIE	338	94.32	19	94.74	(.)	.	(.)	.	(.)	5.26	(.)
MAC	6546	75.00	1637	87.17	(2.44)	1.72	(.)	.	(.)	11.11	(2.19)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
YUG	68596	0.71	68109	82.68	(0.81)	0.23	(.)	.	(.)	17.10	(0.82)
THA	637076	45.33	348303	69.10	(1.48)	0.48	(.)	.	(.)	30.42	(1.46)
TUN	150875	62.60	56422	88.67	(1.08)	1.07	(.)	.	(.)	10.26	(1.01)
URY	33775	33.61	22422	79.27	(1.29)	1.15	(0.21)	.	(.)	19.58	(1.26)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 3>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	80.80	45230	560 (3.09)	. (.)	. (.)	511 (11.41)
AUT	85931	5.98	80790	507 (3.58)	498 (6.15)	. (.)	456 (5.58)
BEL	111831	4.87	106388	536 (2.44)	482 (4.67)	. (.)	427 (5.88)
CAN	330436	24.79	248518	547 (1.61)	474 (11.93)	. (.)	498 (4.58)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	98.42	815	590 (15.89)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	100.00	0	. (.)	. (.)	. (.)	. (.)
GRC	105131	8.97	95696	488 (4.13)	403 (20.41)	. (.)	437 (7.16)
HUN	107044	6.10	100513	494 (2.57)	456 (8.52)	. (.)	417 (8.16)
ISL	3928	100.00	0	. (.)	. (.)	. (.)	. (.)
IRL	54850	64.36	19548	549 (3.16)	. (.)	. (.)	520 (6.98)
ITA	481521	1.69	473371	489 (2.71)	427 (5.09)	. (.)	383 (8.34)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	1.57	525133	536 (3.10)	. (.)	. (.)	484 (10.53)
LUX	4080	70.69	1196	541 (2.35)	. (.)	. (.)	503 (12.31)
MEX	1071650	56.49	466290	448 (1.65)	421 (7.72)	. (.)	407 (4.45)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	10.07	43738	533 (2.41)	. (.)	. (.)	452 (10.21)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)	. (.)
PRT	96857	35.17	62793	521 (2.56)	. (.)	. (.)	504 (6.88)
SVK	77067	100.00	0	. (.)	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	95.42	4904	572 (12.44)	. (.)	. (.)	. (.)
CHE	86491	82.66	14996	544 (13.66)	. (.)	. (.)	470 (26.84)
TUR	481279	5.26	455959	466 (5.93)	393 (4.94)	. (.)	391 (5.00)
GBR	698579	4.46	667429	511 (2.61)	. (.)	. (.)	420 (10.05)
USA	3147089	32.93	2110607	516 (2.89)	. (.)	. (.)	421 (11.54)
TOT	.	54.23	.	508 (1.50)	422 (3.40)	446 (38.30)	420 (2.90)
AVG	.	59.67	.	513 (0.86)	439 (2.77)	418 (33.82)	439 (2.17)
BRA	1952253	39.37	1183602	456 (4.34)	422 (16.20)	. (.)	393 (5.45)
HKG	72484	41.77	42210	530 (3.54)	. (.)	. (.)	509 (7.41)
IDN	1971476	63.87	712294	421 (6.48)	. (.)	. (.)	409 (6.35)
LVA	33643	93.08	2328	522 (12.47)	. (.)	. (.)	. (.)
LIE	338	94.32	19	. (.)	. (.)	. (.)	. (.)
MAC	6546	75.00	1637	540 (4.46)	. (.)	. (.)	536 (11.18)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.71	68109	419 (3.43)	. (.)	. (.)	379 (5.86)
THA	637076	45.33	348303	445 (4.07)	. (.)	. (.)	427 (3.67)
TUN	150875	62.60	56422	443 (4.31)	. (.)	. (.)	421 (7.13)
URY	33775	33.61	22422	482 (3.11)	421 (25.31)	. (.)	456 (5.38)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 3>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	80.80	45230	563 (3.04)	. (.)	. (.)	509 (9.19)
AUT	85931	5.98	80790	519 (3.25)	502 (6.34)	. (.)	478 (4.56)
BEL	111831	4.87	106388	560 (2.26)	503 (4.53)	. (.)	445 (4.80)
CAN	330436	24.79	248518	551 (1.70)	465 (9.25)	. (.)	501 (4.82)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	98.42	815	585 (18.57)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	100.00	0	. (.)	. (.)	. (.)	. (.)
GRC	105131	8.97	95696	460 (3.99)	386 (13.51)	. (.)	408 (5.32)
HUN	107044	6.10	100513	503 (3.01)	462 (7.68)	. (.)	424 (7.54)
ISL	3928	100.00	0	. (.)	. (.)	. (.)	. (.)
IRL	54850	64.36	19548	532 (3.82)	. (.)	. (.)	503 (7.18)
ITA	481521	1.69	473371	478 (2.78)	415 (4.83)	. (.)	393 (5.79)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	1.57	525133	544 (3.30)	. (.)	. (.)	492 (11.02)
LUX	4080	70.69	1196	556 (2.34)	. (.)	. (.)	527 (10.48)
MEX	1071650	56.49	466290	429 (1.91)	400 (10.52)	. (.)	391 (4.29)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	10.07	43738	534 (2.21)	. (.)	. (.)	460 (9.10)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)	. (.)
PRT	96857	35.17	62793	508 (2.15)	. (.)	. (.)	479 (6.03)
SVK	77067	100.00	0	. (.)	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	95.42	4904	566 (15.30)	. (.)	. (.)	. (.)
CHE	86491	82.66	14996	582 (12.38)	. (.)	. (.)	500 (23.61)
TUR	481279	5.26	455959	450 (7.37)	378 (4.24)	. (.)	367 (5.09)
GBR	698579	4.46	667429	511 (2.59)	. (.)	. (.)	438 (7.96)
USA	3147089	32.93	2110607	502 (2.79)	. (.)	. (.)	424 (9.83)
TOT	.	54.23	.	500 (1.43)	412 (3.35)	418 (28.33)	416 (2.71)
AVG	.	59.67	.	512 (0.89)	437 (2.78)	414 (23.66)	438 (1.98)
BRA	1952253	39.37	1183602	410 (5.21)	395 (13.14)	. (.)	343 (4.13)
HKG	72484	41.77	42210	577 (4.42)	. (.)	. (.)	558 (8.21)
IDN	1971476	63.87	712294	404 (8.35)	. (.)	. (.)	389 (8.01)
LVA	33643	93.08	2328	533 (7.57)	. (.)	. (.)	. (.)
LIE	338	94.32	19	. (.)	. (.)	. (.)	. (.)
MAC	6546	75.00	1637	583 (7.17)	. (.)	. (.)	580 (16.90)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.71	68109	445 (3.71)	. (.)	. (.)	402 (5.45)
THA	637076	45.33	348303	443 (4.30)	. (.)	. (.)	420 (3.40)
TUN	150875	62.60	56422	426 (4.79)	. (.)	. (.)	388 (5.66)
URY	33775	33.61	22422	467 (3.00)	434 (12.41)	. (.)	441 (6.48)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?
At <ISCED 3>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	80.80	45230	561 (3.24)	. (.)	. (.)	504 (10.87)
AUT	85931	5.98	80790	506 (3.37)	486 (6.37)	. (.)	461 (5.35)
BEL	111831	4.87	106388	537 (2.42)	482 (4.88)	. (.)	431 (5.03)
CAN	330436	24.79	248518	540 (1.89)	441 (11.79)	. (.)	483 (5.25)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	98.42	815	554 (24.52)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	100.00	0	. (.)	. (.)	. (.)	. (.)
GRC	105131	8.97	95696	495 (4.04)	431 (16.54)	. (.)	444 (6.58)
HUN	107044	6.10	100513	516 (2.88)	478 (8.02)	. (.)	442 (8.43)
ISL	3928	100.00	0	. (.)	. (.)	. (.)	. (.)
IRL	54850	64.36	19548	536 (3.89)	. (.)	. (.)	505 (7.24)
ITA	481521	1.69	473371	500 (2.73)	436 (5.40)	. (.)	407 (7.69)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	1.57	525133	540 (3.59)	. (.)	. (.)	481 (11.64)
LUX	4080	70.69	1196	548 (2.45)	. (.)	. (.)	506 (15.01)
MEX	1071650	56.49	466290	442 (2.01)	421 (7.38)	. (.)	412 (4.58)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	10.07	43738	531 (2.39)	. (.)	. (.)	459 (9.60)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)	. (.)
PRT	96857	35.17	62793	509 (2.59)	. (.)	. (.)	483 (7.37)
SVK	77067	100.00	0	. (.)	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	95.42	4904	558 (16.87)	. (.)	. (.)	. (.)
CHE	86491	82.66	14996	570 (13.11)	. (.)	. (.)	477 (30.92)
TUR	481279	5.26	455959	457 (6.46)	388 (4.50)	. (.)	387 (4.77)
GBR	698579	4.46	667429	522 (2.66)	. (.)	. (.)	441 (10.09)
USA	3147089	32.93	2110607	508 (3.04)	. (.)	. (.)	419 (11.70)
TOT	.	54.23	.	507 (1.55)	423 (3.62)	446 (41.06)	423 (2.94)
AVG	.	59.67	.	515 (0.86)	441 (2.67)	420 (35.48)	442 (1.97)
BRA	1952253	39.37	1183602	436 (4.76)	422 (14.42)	. (.)	379 (4.40)
HKG	72484	41.77	42210	563 (4.23)	. (.)	. (.)	543 (7.92)
IDN	1971476	63.87	712294	428 (6.77)	. (.)	. (.)	418 (6.10)
LVA	33643	93.08	2328	537 (8.39)	. (.)	. (.)	. (.)
LIE	338	94.32	19	. (.)	. (.)	. (.)	. (.)
MAC	6546	75.00	1637	576 (7.23)	. (.)	. (.)	570 (11.25)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.71	68109	443 (3.62)	. (.)	. (.)	407 (5.28)
THA	637076	45.33	348303	455 (4.34)	. (.)	. (.)	436 (3.63)
TUN	150875	62.60	56422	448 (4.75)	. (.)	. (.)	419 (5.03)
URY	33775	33.61	22422	480 (3.06)	440 (17.32)	. (.)	458 (5.67)

Student Questionnaire – Question 22

Q22 Have you ever repeated a <grade>?

At <ISCED 3>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	80.80	45230	566 (2.76)	. (.)	. (.)	513 (8.62)
AUT	85931	5.98	80790	519 (3.13)	514 (7.63)	. (.)	480 (4.72)
BEL	111831	4.87	106388	554 (2.20)	496 (5.02)	. (.)	446 (4.20)
CAN	330436	24.79	248518	549 (1.62)	462 (11.30)	. (.)	499 (4.57)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	98.42	815	570 (16.45)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	100.00	0	. (.)	. (.)	. (.)	. (.)
GRC	105131	8.97	95696	464 (4.21)	375 (18.41)	. (.)	413 (5.82)
HUN	107044	6.10	100513	514 (3.02)	479 (8.02)	. (.)	430 (7.99)
ISL	3928	100.00	0	. (.)	. (.)	. (.)	. (.)
IRL	54850	64.36	19548	527 (3.08)	. (.)	. (.)	498 (7.53)
ITA	481521	1.69	473371	485 (2.64)	409 (5.04)	. (.)	384 (7.75)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	1.57	525133	552 (3.11)	. (.)	. (.)	497 (11.00)
LUX	4080	70.69	1196	553 (2.08)	. (.)	. (.)	530 (9.98)
MEX	1071650	56.49	466290	432 (2.19)	402 (9.11)	. (.)	389 (5.18)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	10.07	43738	543 (2.10)	. (.)	. (.)	466 (9.77)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)	. (.)
PRT	96857	35.17	62793	515 (2.33)	. (.)	. (.)	489 (6.49)
SVK	77067	100.00	0	. (.)	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	95.42	4904	552 (13.73)	. (.)	. (.)	. (.)
CHE	86491	82.66	14996	572 (11.00)	. (.)	. (.)	487 (21.89)
TUR	481279	5.26	455959	434 (6.14)	357 (3.87)	. (.)	355 (4.92)
GBR	698579	4.46	667429	513 (2.46)	. (.)	. (.)	438 (8.68)
USA	3147089	32.93	2110607	498 (2.84)	. (.)	. (.)	413 (10.19)
TOT	.	54.23	.	500 (1.40)	403 (3.19)	423 (29.95)	410 (2.93)
AVG	.	59.67	.	514 (0.80)	431 (3.13)	423 (25.15)	437 (2.07)
BRA	1952253	39.37	1183602	426 (4.70)	405 (13.09)	. (.)	360 (4.56)
HKG	72484	41.77	42210	577 (4.01)	. (.)	. (.)	559 (8.00)
IDN	1971476	63.87	712294	401 (7.16)	. (.)	. (.)	389 (6.87)
LVA	33643	93.08	2328	523 (7.52)	. (.)	. (.)	. (.)
LIE	338	94.32	19	. (.)	. (.)	. (.)	. (.)
MAC	6546	75.00	1637	584 (5.63)	. (.)	. (.)	568 (13.93)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.71	68109	429 (3.28)	. (.)	. (.)	381 (5.25)
THA	637076	45.33	348303	451 (4.05)	. (.)	. (.)	433 (3.40)
TUN	150875	62.60	56422	406 (3.84)	. (.)	. (.)	371 (5.43)
URY	33775	33.61	22422	457 (3.59)	409 (18.43)	. (.)	430 (6.24)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 2>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	65.67	(0.54)	34.26	(0.55)	0.07	(.)
AUT	85931	1.08	85003	86.13	(0.59)	13.84	(0.59)	0.03	(.)
BEL	111831	1.79	109825	34.32	(0.78)	65.61	(0.79)	0.08	(.)
CAN	330436	9.70	298375	46.85	(0.67)	53.15	(0.67)	.	(.)
CZE	121183	4.11	116203	0.78	(0.14)	97.50	(0.29)	1.72	(0.26)
DNK	51741	0.65	51406	96.67	(0.47)	3.28	(0.47)	0.05	(.)
FIN	57884	0.07	57845	99.41	(0.11)	0.59	(0.11)	.	(.)
FRA	734579	0.87	728167	43.40	(1.02)	50.27	(1.03)	6.32	(0.49)
DEU	884358	5.57	835070	60.39	(1.61)	39.61	(1.61)	.	(.)
GRC	105131	0.13	104991	21.64	(0.86)	77.99	(0.86)	0.37	(.)
HUN	107044	0.06	106984	26.00	(1.00)	73.88	(0.99)	0.12	(.)
ISL	3928	0.63	3903	84.10	(0.59)	15.81	(0.59)	0.09	(.)
IRL	54850	1.03	54285	90.67	(0.47)	9.33	(0.47)	.	(.)
ITA	481521	0.10	481055	25.74	(0.79)	74.26	(0.79)	.	(.)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	0.04	533302	5.44	(0.41)	94.51	(0.42)	0.04	(.)
LUX	4080	0.10	4076	28.62	(0.62)	70.49	(0.62)	0.90	(0.15)
MEX	1071650	0.37	1067674	31.04	(1.34)	68.95	(1.34)	0.01	(.)
NLD	184943	3.09	179228	58.69	(1.65)	41.31	(1.65)	.	(.)
NZL	48638	0.69	48300	57.96	(0.97)	41.97	(0.97)	0.07	(.)
NOR	52816	0.77	52407	84.13	(0.69)	15.77	(0.69)	0.10	(.)
POL	534900	.	534900	19.69	(0.81)	80.31	(0.81)	.	(.)
PRT	96857	0.23	96637	14.22	(0.91)	85.78	(0.91)	.	(.)
SVK	77067	0.24	76878	31.77	(1.16)	68.20	(1.16)	0.03	(.)
ESP	344372	0.07	344114	79.25	(0.70)	20.75	(0.70)	.	(.)
SWE	107104	0.25	106838	71.02	(0.89)	28.97	(0.89)	0.02	(.)
CHE	86491	0.14	86370	72.15	(0.84)	27.81	(0.84)	0.04	(.)
TUR	481279	0.03	481137	8.14	(0.91)	91.83	(0.91)	0.03	(.)
GBR	698579	11.96	614997	14.83	(0.58)	85.17	(0.58)	.	(.)
USA	3147089	0.76	3123066	58.66	(0.95)	41.34	(0.95)	.	(.)
TOT	.	12.07	.	43.47	(0.37)	56.06	(0.37)	0.47	(0.04)
AVG	.	4.83	.	49.01	(0.22)	50.64	(0.22)	0.35	(0.02)
HKG	72484	0.21	72334	22.12	(0.79)	77.88	(0.79)	.	(.)
IDN	1971476	.	1971476	13.76	(0.89)	86.24	(0.89)	.	(.)
LVA	33643	0.22	33570	38.36	(1.20)	61.59	(1.20)	0.05	(.)
LIE	338	.	338	64.18	(2.59)	35.52	(2.57)	0.30	(.)
MAC	6546	.	6546	34.77	(1.44)	65.23	(1.44)	.	(.)
RUS	2153373	0.02	2152991	10.14	(0.64)	89.80	(0.63)	0.06	(.)
YUG	68596	0.51	68244	32.04	(1.06)	67.92	(1.06)	0.04	(.)
THA	637076	.	637076	99.23	(0.16)	0.77	(0.16)	.	(.)
TUN	150875	0.07	150770	26.49	(1.06)	73.49	(1.07)	0.02	(.)
URY	33775	0.17	33719	41.30	(0.90)	58.42	(0.97)	0.28	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 2>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.06)	519 (3.26)	. (.)
AUT	85931	1.08	85003	497 (3.41)	468 (6.93)	. (.)
BEL	111831	1.79	109825	520 (4.01)	505 (2.91)	. (.)
CAN	330436	9.70	298375	546 (2.02)	518 (1.69)	. (.)
CZE	121183	4.11	116203	380 (17.93)	498 (2.77)	449 (12.26)
DNK	51741	0.65	51406	493 (2.80)	498 (13.64)	. (.)
FIN	57884	0.07	57845	544 (1.64)	412 (20.91)	. (.)
FRA	734579	0.87	728167	477 (3.88)	514 (3.06)	507 (7.42)
DEU	884358	5.57	835070	462 (3.52)	560 (3.29)	. (.)
GRC	105131	0.13	104991	450 (6.14)	479 (4.03)	. (.)
HUN	107044	0.06	106984	489 (3.92)	480 (2.68)	. (.)
ISL	3928	0.63	3903	497 (1.65)	467 (4.58)	. (.)
IRL	54850	1.03	54285	521 (2.47)	459 (5.55)	. (.)
ITA	481521	0.10	481055	478 (4.64)	475 (3.18)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	0.04	533302	541 (6.88)	534 (3.11)	. (.)
LUX	4080	0.10	4076	512 (2.53)	466 (1.96)	469 (15.95)
MEX	1071650	0.37	1067674	375 (7.72)	411 (3.14)	. (.)
NLD	184943	3.09	179228	483 (3.73)	566 (2.89)	. (.)
NZL	48638	0.69	48300	539 (2.33)	499 (3.56)	. (.)
NOR	52816	0.77	52407	505 (2.89)	478 (5.51)	. (.)
POL	534900	.	534900	445 (5.76)	509 (2.58)	. (.)
PRT	96857	0.23	96637	398 (5.59)	491 (3.53)	. (.)
SVK	77067	0.24	76878	462 (4.39)	473 (3.59)	. (.)
ESP	344372	0.07	344114	482 (2.76)	474 (3.88)	. (.)
SWE	107104	0.25	106838	531 (2.32)	475 (3.57)	. (.)
CHE	86491	0.14	86370	498 (2.55)	502 (7.06)	. (.)
TUR	481279	0.03	481137	428 (10.57)	442 (5.80)	. (.)
GBR	698579	11.96	614997	470 (4.98)	512 (2.94)	. (.)
USA	3147089	0.76	3123066	512 (3.22)	472 (3.83)	. (.)
TOT	.	12.07	.	489 (1.73)	486 (1.36)	502 (7.05)
AVG	.	4.83	.	500 (0.68)	491 (0.91)	486 (5.89)
HKG	72484	0.21	72334	527 (4.36)	505 (3.83)	. (.)
IDN	1971476	.	1971476	355 (5.42)	386 (3.32)	. (.)
LVA	33643	0.22	33570	497 (4.02)	486 (4.30)	. (.)
LIE	338	.	338	530 (4.63)	516 (8.18)	. (.)
MAC	6546	.	6546	495 (4.07)	499 (2.81)	. (.)
RUS	2153373	0.02	2152991	400 (5.15)	447 (4.27)	. (.)
YUG	68596	0.51	68244	425 (4.42)	406 (3.54)	. (.)
THA	637076	.	637076	420 (2.80)	360 (16.10)	. (.)
TUN	150875	0.07	150770	364 (4.43)	378 (2.84)	. (.)
URY	33775	0.17	33719	432 (4.17)	436 (3.77)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 2>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.24)	519 (2.94)	. (.)
AUT	85931	1.08	85003	511 (3.00)	484 (6.10)	. (.)
BEL	111831	1.79	109825	541 (3.60)	528 (2.59)	. (.)
CAN	330436	9.70	298375	551 (2.10)	522 (1.77)	. (.)
CZE	121183	4.11	116203	438 (19.55)	524 (3.24)	453 (11.36)
DNK	51741	0.65	51406	515 (2.70)	508 (12.27)	. (.)
FIN	57884	0.07	57845	545 (1.86)	448 (14.26)	. (.)
FRA	734579	0.87	728167	494 (3.58)	529 (2.88)	502 (6.47)
DEU	884358	5.57	835070	473 (3.42)	569 (3.23)	. (.)
GRC	105131	0.13	104991	429 (6.22)	450 (3.64)	. (.)
HUN	107044	0.06	106984	497 (4.43)	488 (2.92)	. (.)
ISL	3928	0.63	3903	519 (1.66)	494 (4.45)	. (.)
IRL	54850	1.03	54285	507 (2.36)	458 (5.69)	. (.)
ITA	481521	0.10	481055	470 (4.35)	464 (3.41)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	0.04	533302	549 (7.41)	542 (3.25)	. (.)
LUX	4080	0.10	4076	524 (2.51)	481 (1.59)	499 (13.93)
MEX	1071650	0.37	1067674	364 (6.83)	395 (2.68)	. (.)
NLD	184943	3.09	179228	504 (3.82)	598 (3.31)	. (.)
NZL	48638	0.69	48300	541 (2.17)	502 (3.27)	. (.)
NOR	52816	0.77	52407	499 (2.40)	478 (5.03)	. (.)
POL	534900	.	534900	449 (4.90)	500 (2.28)	. (.)
PRT	96857	0.23	96637	401 (4.43)	477 (3.22)	. (.)
SVK	77067	0.24	76878	491 (4.62)	502 (3.81)	. (.)
ESP	344372	0.07	344114	487 (2.57)	479 (3.73)	. (.)
SWE	107104	0.25	106838	524 (2.33)	472 (4.17)	. (.)
CHE	86491	0.14	86370	525 (3.04)	531 (6.05)	. (.)
TUR	481279	0.03	481137	417 (10.47)	424 (6.78)	. (.)
GBR	698579	11.96	614997	472 (4.40)	512 (2.92)	. (.)
USA	3147089	0.76	3123066	500 (2.85)	460 (3.46)	. (.)
TOT	.	12.07	.	487 (1.54)	482 (1.32)	498 (6.10)
AVG	.	4.83	.	506 (0.64)	494 (0.91)	487 (4.81)
HKG	72484	0.21	72334	572 (4.95)	544 (4.83)	. (.)
IDN	1971476	.	1971476	337 (5.37)	364 (3.88)	. (.)
LVA	33643	0.22	33570	487 (3.86)	481 (4.44)	. (.)
LIE	338	.	338	540 (6.03)	528 (8.59)	. (.)
MAC	6546	.	6546	524 (4.27)	529 (4.01)	. (.)
RUS	2153373	0.02	2152991	430 (5.63)	473 (4.47)	. (.)
YUG	68596	0.51	68244	451 (4.62)	431 (3.72)	. (.)
THA	637076	.	637076	417 (3.01)	371 (9.34)	. (.)
TUN	150875	0.07	150770	350 (3.68)	362 (2.73)	. (.)
URY	33775	0.17	33719	421 (3.74)	423 (3.52)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 2>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.21)	519 (3.23)	. (.)
AUT	85931	1.08	85003	496 (3.26)	472 (6.32)	. (.)
BEL	111831	1.79	109825	521 (3.88)	507 (2.66)	. (.)
CAN	330436	9.70	298375	538 (2.31)	509 (1.96)	. (.)
CZE	121183	4.11	116203	421 (20.89)	530 (3.09)	472 (11.56)
DNK	51741	0.65	51406	476 (2.91)	463 (14.57)	. (.)
FIN	57884	0.07	57845	549 (1.93)	451 (15.26)	. (.)
FRA	734579	0.87	728167	488 (4.31)	534 (3.44)	508 (8.32)
DEU	884358	5.57	835070	472 (3.87)	571 (3.53)	. (.)
GRC	105131	0.13	104991	467 (6.69)	485 (3.62)	. (.)
HUN	107044	0.06	106984	510 (4.30)	501 (2.86)	. (.)
ISL	3928	0.63	3903	500 (1.79)	471 (5.12)	. (.)
IRL	54850	1.03	54285	509 (2.60)	461 (6.39)	. (.)
ITA	481521	0.10	481055	488 (4.90)	486 (3.43)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	0.04	533302	547 (7.93)	538 (3.55)	. (.)
LUX	4080	0.10	4076	515 (2.87)	470 (1.86)	490 (15.91)
MEX	1071650	0.37	1067674	388 (6.29)	413 (2.79)	. (.)
NLD	184943	3.09	179228	487 (4.01)	586 (3.62)	. (.)
NZL	48638	0.69	48300	538 (2.35)	499 (3.33)	. (.)
NOR	52816	0.77	52407	487 (2.92)	470 (5.92)	. (.)
POL	534900	.	534900	451 (5.34)	509 (2.63)	. (.)
PRT	96857	0.23	96637	403 (5.20)	479 (3.32)	. (.)
SVK	77067	0.24	76878	485 (5.37)	500 (3.89)	. (.)
ESP	344372	0.07	344114	489 (2.75)	482 (4.18)	. (.)
SWE	107104	0.25	106838	523 (2.90)	465 (4.20)	. (.)
CHE	86491	0.14	86370	511 (3.00)	518 (7.52)	. (.)
TUR	481279	0.03	481137	431 (9.66)	434 (6.01)	. (.)
GBR	698579	11.96	614997	479 (5.18)	525 (3.09)	. (.)
USA	3147089	0.76	3123066	507 (3.06)	469 (3.72)	. (.)
TOT	.	12.07	.	491 (1.59)	490 (1.30)	504 (7.72)
AVG	.	4.83	.	500 (0.64)	497 (0.86)	494 (5.46)
HKG	72484	0.21	72334	562 (4.44)	533 (4.52)	. (.)
IDN	1971476	.	1971476	374 (4.36)	398 (3.19)	. (.)
LVA	33643	0.22	33570	495 (4.42)	486 (4.28)	. (.)
LIE	338	.	338	527 (5.93)	522 (8.40)	. (.)
MAC	6546	.	6546	526 (4.85)	524 (3.90)	. (.)
RUS	2153373	0.02	2152991	448 (6.18)	494 (4.46)	. (.)
YUG	68596	0.51	68244	448 (4.78)	431 (3.35)	. (.)
THA	637076	.	637076	429 (2.70)	383 (10.99)	. (.)
TUN	150875	0.07	150770	375 (3.88)	388 (2.71)	. (.)
URY	33775	0.17	33719	440 (3.66)	438 (3.34)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 2>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.09)	525 (2.83)	. (.)
AUT	85931	1.08	85003	512 (2.93)	484 (5.95)	. (.)
BEL	111831	1.79	109825	537 (3.64)	524 (2.37)	. (.)
CAN	330436	9.70	298375	549 (1.99)	520 (1.72)	. (.)
CZE	121183	4.11	116203	416 (18.65)	524 (3.07)	477 (11.91)
DNK	51741	0.65	51406	518 (2.50)	497 (11.54)	. (.)
FIN	57884	0.07	57845	548 (1.86)	481 (14.04)	. (.)
FRA	734579	0.87	728167	501 (3.73)	538 (3.01)	511 (6.85)
DEU	884358	5.57	835070	484 (3.41)	573 (3.11)	. (.)
GRC	105131	0.13	104991	432 (6.60)	453 (3.79)	. (.)
HUN	107044	0.06	106984	510 (4.40)	498 (2.96)	. (.)
ISL	3928	0.63	3903	509 (1.55)	484 (3.87)	. (.)
IRL	54850	1.03	54285	503 (2.31)	453 (4.91)	. (.)
ITA	481521	0.10	481055	475 (4.82)	468 (3.27)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	0.04	533302	558 (6.55)	550 (3.10)	. (.)
LUX	4080	0.10	4076	524 (2.73)	481 (1.65)	495 (12.50)
MEX	1071650	0.37	1067674	363 (7.65)	394 (3.36)	. (.)
NLD	184943	3.09	179228	486 (3.96)	575 (3.30)	. (.)
NZL	48638	0.69	48300	549 (2.08)	512 (3.15)	. (.)
NOR	52816	0.77	52407	494 (2.63)	471 (5.14)	. (.)
POL	534900	.	534900	444 (5.07)	497 (2.56)	. (.)
PRT	96857	0.23	96637	399 (5.07)	482 (3.69)	. (.)
SVK	77067	0.24	76878	483 (4.57)	496 (3.81)	. (.)
ESP	344372	0.07	344114	484 (2.96)	475 (4.02)	. (.)
SWE	107104	0.25	106838	523 (2.30)	474 (3.62)	. (.)
CHE	86491	0.14	86370	519 (2.73)	526 (5.70)	. (.)
TUR	481279	0.03	481137	394 (12.19)	409 (5.96)	. (.)
GBR	698579	11.96	614997	472 (4.72)	514 (2.83)	. (.)
USA	3147089	0.76	3123066	495 (3.00)	453 (3.87)	. (.)
TOT	.	12.07	.	486 (1.63)	481 (1.38)	507 (6.57)
AVG	.	4.83	.	505 (0.70)	493 (0.91)	497 (5.30)
HKG	72484	0.21	72334	568 (4.35)	542 (4.54)	. (.)
IDN	1971476	.	1971476	342 (4.72)	365 (3.29)	. (.)
LVA	33643	0.22	33570	488 (4.18)	479 (4.58)	. (.)
LIE	338	.	338	536 (5.43)	518 (8.49)	. (.)
MAC	6546	.	6546	532 (3.99)	533 (3.40)	. (.)
RUS	2153373	0.02	2152991	436 (6.10)	483 (4.86)	. (.)
YUG	68596	0.51	68244	433 (4.31)	415 (3.34)	. (.)
THA	637076	.	637076	425 (2.74)	383 (13.98)	. (.)
TUN	150875	0.07	150770	340 (3.18)	346 (2.37)	. (.)
URY	33775	0.17	33719	409 (4.32)	412 (4.17)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3B or C>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	24.07	(0.43)	75.84	(0.43)	0.09	(.)
AUT	85931	1.08	85003	47.93	(1.62)	52.07	(1.62)	.	(.)
BEL	111831	1.79	109825	14.43	(0.57)	85.48	(0.55)	0.09	(.)
CAN	330436	9.70	298375	75.40	(0.47)	24.60	(0.47)	.	(.)
CZE	121183	4.11	116203	11.39	(0.73)	86.89	(0.77)	1.72	(0.26)
DNK	51741	0.65	51406	16.75	(0.71)	83.20	(0.71)	0.05	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)
FRA	734579	0.87	728167	33.19	(1.03)	60.49	(0.99)	6.32	(0.49)
DEU	884358	5.57	835070	6.12	(0.36)	93.88	(0.36)	.	(.)
GRC	105131	0.13	104991	18.54	(1.41)	81.35	(1.41)	0.11	(.)
HUN	107044	0.06	106984	19.55	(0.84)	80.30	(0.83)	0.15	(.)
ISL	3928	0.63	3903	36.04	(0.81)	63.87	(0.81)	0.08	(.)
IRL	54850	1.03	54285	23.51	(0.98)	76.49	(0.98)	.	(.)
ITA	481521	0.10	481055	14.03	(0.84)	85.97	(0.84)	.	(.)
JPN	1240054	0.10	1238855	18.79	(1.15)	81.19	(1.14)	0.02	(.)
KOR	533504	0.04	533302	6.06	(0.47)	93.90	(0.47)	0.04	(.)
LUX	4080	0.10	4076	27.75	(0.67)	71.80	(0.65)	0.46	(.)
MEX	1071650	0.37	1067674	19.90	(0.85)	80.05	(0.85)	0.05	(.)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	0.69	48300	85.43	(0.71)	14.50	(0.71)	0.07	(.)
NOR	52816	0.77	52407	47.13	(1.05)	52.80	(1.05)	0.07	(.)
POL	534900	.	534900	27.87	(0.91)	72.09	(0.91)	0.04	(.)
PRT	96857	0.23	96637	11.91	(0.75)	88.09	(0.75)	.	(.)
SVK	77067	0.24	76878	12.56	(1.04)	87.43	(1.04)	0.01	(.)
ESP	344372	0.07	344114	17.95	(0.58)	82.05	(0.58)	.	(.)
SWE	107104	0.25	106838	56.58	(1.00)	43.37	(1.00)	0.05	(.)
CHE	86491	0.14	86370	64.18	(1.97)	35.81	(1.97)	0.01	(.)
TUR	481279	0.03	481137	1.84	(0.33)	98.13	(0.33)	0.03	(.)
GBR	698579	3.63	673243	72.87	(0.86)	27.13	(0.86)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	29.16	.	25.33	(0.32)	74.09	(0.31)	0.59	(0.04)
AVG	.	11.09	.	29.91	(0.25)	69.74	(0.25)	0.35	(0.02)
HKG	72484	0.21	72334	44.27	(1.03)	55.73	(1.03)	.	(.)
IDN	1971476	.	1971476	21.25	(0.95)	78.75	(0.95)	.	(.)
LVA	33643	0.22	33570	33.17	(1.04)	66.78	(1.04)	0.05	(.)
LIE	338	.	338	58.59	(2.12)	41.41	(2.12)	.	(.)
MAC	6546	.	6546	21.71	(1.19)	78.29	(1.19)	.	(.)
RUS	2153373	0.02	2152991	16.20	(1.83)	83.76	(1.84)	0.04	(.)
YUG	68596	0.51	68244	55.77	(2.11)	44.19	(2.11)	0.04	(.)
THA	637076	.	637076	31.10	(1.38)	68.90	(1.38)	.	(.)
TUN	150875	0.07	150770	6.63	(0.42)	93.35	(0.42)	0.02	(.)
URY	33775	0.17	33719	19.64	(1.23)	80.09	(1.25)	0.27	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3B or C>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	491 (2.40)	537 (2.27)	. (.)
AUT	85931	1.08	85003	437 (3.16)	545 (3.47)	. (.)
BEL	111831	1.79	109825	440 (4.87)	522 (2.75)	. (.)
CAN	330436	9.70	298375	536 (1.75)	518 (2.20)	. (.)
CZE	121183	4.11	116203	407 (4.68)	509 (2.60)	449 (12.26)
DNK	51741	0.65	51406	452 (4.63)	501 (2.62)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	433 (3.98)	532 (2.44)	507 (7.42)
DEU	884358	5.57	835070	497 (5.84)	501 (3.62)	. (.)
GRC	105131	0.13	104991	389 (5.42)	492 (3.80)	. (.)
HUN	107044	0.06	106984	402 (4.75)	501 (2.61)	. (.)
ISL	3928	0.63	3903	458 (3.00)	512 (2.20)	. (.)
IRL	54850	1.03	54285	490 (4.32)	523 (2.74)	. (.)
ITA	481521	0.10	481055	425 (6.57)	484 (2.94)	. (.)
JPN	1240054	0.10	1238855	472 (6.74)	504 (4.05)	. (.)
KOR	533504	0.04	533302	460 (8.90)	539 (2.99)	. (.)
LUX	4080	0.10	4076	414 (2.69)	505 (1.80)	. (.)
MEX	1071650	0.37	1067674	414 (5.29)	396 (4.32)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	527 (2.38)	495 (6.29)	. (.)
NOR	52816	0.77	52407	468 (3.22)	530 (3.37)	. (.)
POL	534900	.	534900	455 (3.18)	513 (3.23)	. (.)
PRT	96857	0.23	96637	449 (5.38)	482 (3.75)	. (.)
SVK	77067	0.24	76878	380 (4.08)	482 (2.72)	. (.)
ESP	344372	0.07	344114	449 (3.87)	488 (2.69)	. (.)
SWE	107104	0.25	106838	537 (2.67)	486 (3.21)	. (.)
CHE	86491	0.14	86370	483 (2.62)	529 (4.78)	. (.)
TUR	481279	0.03	481137	366 (14.71)	442 (5.79)	. (.)
GBR	698579	3.63	673243	509 (2.57)	500 (3.97)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	29.16	.	474 (1.48)	489 (1.25)	498 (7.17)
AVG	.	11.09	.	476 (0.86)	500 (0.76)	485 (5.90)
HKG	72484	0.21	72334	508 (4.76)	511 (3.23)	. (.)
IDN	1971476	.	1971476	365 (3.98)	386 (3.72)	. (.)
LVA	33643	0.22	33570	473 (3.80)	499 (4.10)	. (.)
LIE	338	.	338	498 (5.37)	564 (6.88)	. (.)
MAC	6546	.	6546	493 (6.19)	499 (2.38)	. (.)
RUS	2153373	0.02	2152991	399 (7.48)	450 (3.30)	. (.)
YUG	68596	0.51	68244	387 (3.33)	445 (3.82)	. (.)
THA	637076	.	637076	399 (2.99)	429 (3.35)	. (.)
TUN	150875	0.07	150770	323 (6.33)	378 (2.87)	. (.)
URY	33775	0.17	33719	419 (7.40)	438 (3.46)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3B or C>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	492 (2.70)	535 (2.16)	. (.)
AUT	85931	1.08	85003	460 (2.92)	551 (3.68)	. (.)
BEL	111831	1.79	109825	458 (4.22)	545 (2.52)	. (.)
CAN	330436	9.70	298375	540 (1.84)	523 (2.16)	. (.)
CZE	121183	4.11	116203	428 (4.84)	536 (3.08)	453 (11.36)
DNK	51741	0.65	51406	485 (3.81)	521 (2.84)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	453 (3.53)	545 (2.48)	502 (6.47)
DEU	884358	5.57	835070	512 (5.43)	511 (3.58)	. (.)
GRC	105131	0.13	104991	370 (4.73)	462 (3.76)	. (.)
HUN	107044	0.06	106984	410 (4.96)	510 (3.04)	. (.)
ISL	3928	0.63	3903	487 (3.10)	531 (1.70)	. (.)
IRL	54850	1.03	54285	482 (4.14)	509 (2.53)	. (.)
ITA	481521	0.10	481055	427 (4.62)	472 (3.22)	. (.)
JPN	1240054	0.10	1238855	500 (6.30)	542 (4.36)	. (.)
KOR	533504	0.04	533302	455 (8.29)	548 (3.21)	. (.)
LUX	4080	0.10	4076	439 (2.29)	514 (1.34)	. (.)
MEX	1071650	0.37	1067674	403 (4.86)	381 (3.77)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	527 (2.18)	506 (6.03)	. (.)
NOR	52816	0.77	52407	466 (2.55)	521 (2.79)	. (.)
POL	534900	.	534900	448 (3.03)	507 (2.68)	. (.)
PRT	96857	0.23	96637	435 (4.54)	470 (3.49)	. (.)
SVK	77067	0.24	76878	412 (4.09)	511 (3.08)	. (.)
ESP	344372	0.07	344114	456 (3.70)	492 (2.61)	. (.)
SWE	107104	0.25	106838	531 (2.67)	481 (3.35)	. (.)
CHE	86491	0.14	86370	510 (2.38)	556 (5.75)	. (.)
TUR	481279	0.03	481137	354 (12.77)	425 (6.76)	. (.)
GBR	698579	3.63	673243	509 (2.71)	505 (3.64)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	29.16	.	480 (1.42)	494 (1.33)	495 (6.46)
AVG	.	11.09	.	484 (0.83)	505 (0.78)	485 (5.00)
HKG	72484	0.21	72334	546 (5.45)	554 (4.27)	. (.)
IDN	1971476	.	1971476	345 (5.23)	364 (4.21)	. (.)
LVA	33643	0.22	33570	465 (4.03)	493 (4.15)	. (.)
LIE	338	.	338	505 (5.74)	579 (7.65)	. (.)
MAC	6546	.	6546	531 (6.80)	526 (3.32)	. (.)
RUS	2153373	0.02	2152991	426 (7.70)	477 (3.74)	. (.)
YUG	68596	0.51	68244	410 (3.54)	471 (4.00)	. (.)
THA	637076	.	637076	396 (2.99)	426 (3.78)	. (.)
TUN	150875	0.07	150770	322 (5.16)	361 (2.60)	. (.)
URY	33775	0.17	33719	416 (7.08)	424 (3.23)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3B or C>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	491 (2.69)	537 (2.21)	. (.)
AUT	85931	1.08	85003	440 (3.09)	541 (3.60)	. (.)
BEL	111831	1.79	109825	441 (4.45)	523 (2.68)	. (.)
CAN	330436	9.70	298375	527 (2.09)	509 (2.35)	. (.)
CZE	121183	4.11	116203	432 (4.77)	542 (2.93)	472 (11.56)
DNK	51741	0.65	51406	443 (4.64)	482 (2.98)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	441 (4.38)	552 (2.93)	508 (8.32)
DEU	884358	5.57	835070	520 (7.02)	511 (3.83)	. (.)
GRC	105131	0.13	104991	406 (5.24)	498 (3.58)	. (.)
HUN	107044	0.06	106984	426 (4.52)	522 (3.00)	. (.)
ISL	3928	0.63	3903	466 (3.05)	511 (1.99)	. (.)
IRL	54850	1.03	54285	481 (4.74)	512 (2.81)	. (.)
ITA	481521	0.10	481055	440 (5.34)	494 (3.16)	. (.)
JPN	1240054	0.10	1238855	511 (6.87)	556 (4.31)	. (.)
KOR	533504	0.04	533302	447 (9.44)	544 (3.49)	. (.)
LUX	4080	0.10	4076	423 (2.79)	506 (1.84)	. (.)
MEX	1071650	0.37	1067674	411 (5.01)	403 (3.61)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	525 (2.35)	502 (6.54)	. (.)
NOR	52816	0.77	52407	453 (3.34)	513 (3.49)	. (.)
POL	534900	.	534900	450 (3.47)	516 (3.15)	. (.)
PRT	96857	0.23	96637	428 (5.35)	473 (3.53)	. (.)
SVK	77067	0.24	76878	411 (4.40)	507 (3.44)	. (.)
ESP	344372	0.07	344114	457 (3.53)	494 (2.83)	. (.)
SWE	107104	0.25	106838	531 (3.15)	474 (3.27)	. (.)
CHE	86491	0.14	86370	494 (2.61)	547 (6.37)	. (.)
TUR	481279	0.03	481137	389 (14.59)	435 (5.97)	. (.)
GBR	698579	3.63	673243	519 (2.85)	516 (3.76)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	29.16	.	481 (1.50)	503 (1.22)	501 (7.75)
AVG	.	11.09	.	479 (0.85)	506 (0.73)	491 (6.07)
HKG	72484	0.21	72334	536 (5.21)	542 (4.03)	. (.)
IDN	1971476	.	1971476	382 (3.75)	399 (3.62)	. (.)
LVA	33643	0.22	33570	475 (4.79)	497 (4.25)	. (.)
LIE	338	.	338	491 (6.98)	574 (8.31)	. (.)
MAC	6546	.	6546	523 (7.13)	525 (3.34)	. (.)
RUS	2153373	0.02	2152991	445 (7.80)	498 (3.67)	. (.)
YUG	68596	0.51	68244	412 (3.23)	468 (4.08)	. (.)
THA	637076	.	637076	409 (3.07)	438 (3.27)	. (.)
TUN	150875	0.07	150770	348 (5.43)	387 (2.62)	. (.)
URY	33775	0.17	33719	434 (6.51)	440 (3.11)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3B or C>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	499 (2.48)	540 (2.01)	. (.)
AUT	85931	1.08	85003	461 (2.90)	551 (3.29)	. (.)
BEL	111831	1.79	109825	459 (4.41)	540 (2.32)	. (.)
CAN	330436	9.70	298375	538 (1.75)	520 (2.10)	. (.)
CZE	121183	4.11	116203	432 (5.01)	535 (2.92)	477 (11.91)
DNK	51741	0.65	51406	487 (4.03)	523 (2.51)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	460 (3.80)	554 (2.49)	511 (6.85)
DEU	884358	5.57	835070	532 (5.56)	518 (3.48)	. (.)
GRC	105131	0.13	104991	367 (5.19)	467 (3.84)	. (.)
HUN	107044	0.06	106984	420 (4.76)	521 (3.06)	. (.)
ISL	3928	0.63	3903	477 (2.72)	521 (1.65)	. (.)
IRL	54850	1.03	54285	476 (3.94)	505 (2.42)	. (.)
ITA	481521	0.10	481055	423 (6.04)	477 (3.11)	. (.)
JPN	1240054	0.10	1238855	514 (6.78)	555 (4.41)	. (.)
KOR	533504	0.04	533302	476 (8.34)	555 (3.00)	. (.)
LUX	4080	0.10	4076	440 (2.61)	515 (1.66)	. (.)
MEX	1071650	0.37	1067674	404 (5.90)	380 (4.35)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.69	48300	536 (2.10)	515 (5.83)	. (.)
NOR	52816	0.77	52407	459 (2.81)	519 (3.24)	. (.)
POL	534900	.	534900	451 (3.28)	501 (2.99)	. (.)
PRT	96857	0.23	96637	442 (5.29)	474 (3.92)	. (.)
SVK	77067	0.24	76878	402 (4.16)	505 (3.15)	. (.)
ESP	344372	0.07	344114	456 (3.62)	488 (2.88)	. (.)
SWE	107104	0.25	106838	529 (2.78)	483 (2.92)	. (.)
CHE	86491	0.14	86370	506 (2.28)	549 (5.22)	. (.)
TUR	481279	0.03	481137	344 (15.48)	409 (6.03)	. (.)
GBR	698579	3.63	673243	512 (2.59)	504 (3.77)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	29.16	.	484 (1.48)	497 (1.43)	504 (6.80)
AVG	.	11.09	.	485 (0.85)	505 (0.79)	496 (5.58)
HKG	72484	0.21	72334	546 (5.03)	549 (3.97)	. (.)
IDN	1971476	.	1971476	342 (4.27)	367 (3.49)	. (.)
LVA	33643	0.22	33570	464 (4.70)	492 (4.29)	. (.)
LIE	338	.	338	500 (5.69)	572 (7.66)	. (.)
MAC	6546	.	6546	536 (6.88)	531 (2.94)	. (.)
RUS	2153373	0.02	2152991	434 (9.27)	487 (3.97)	. (.)
YUG	68596	0.51	68244	396 (3.14)	451 (3.67)	. (.)
THA	637076	.	637076	405 (2.71)	434 (3.30)	. (.)
TUN	150875	0.07	150770	291 (4.96)	349 (2.18)	. (.)
URY	33775	0.17	33719	404 (7.70)	413 (3.60)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 3A>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	81.32	(0.44)	18.59	(0.44)	0.09	(.)
AUT	85931	1.08	85003	52.05	(1.67)	47.95	(1.67)	.	(.)
BEL	111831	1.79	109825	45.09	(0.94)	54.79	(0.96)	0.12	(.)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)
CZE	121183	4.11	116203	39.04	(1.15)	59.24	(1.11)	1.72	(0.26)
DNK	51741	0.65	51406	67.28	(1.02)	32.67	(1.02)	0.05	(.)
FIN	57884	0.07	57845	88.54	(0.49)	11.46	(0.49)	.	(.)
FRA	734579	0.87	728167	57.38	(0.91)	36.30	(0.99)	6.32	(0.49)
DEU	884358	5.57	835070	43.09	(1.60)	56.91	(1.60)	.	(.)
GRC	105131	0.13	104991	44.84	(1.43)	54.95	(1.43)	0.21	(.)
HUN	107044	0.06	106984	47.90	(1.01)	51.98	(1.02)	0.12	(.)
ISL	3928	0.63	3903	76.55	(0.78)	23.21	(0.78)	0.24	(.)
IRL	54850	1.03	54285	65.39	(1.06)	34.61	(1.06)	.	(.)
ITA	481521	0.10	481055	56.76	(0.79)	43.24	(0.79)	.	(.)
JPN	1240054	0.10	1238855	33.00	(1.09)	66.96	(1.08)	0.04	(.)
KOR	533504	0.04	533302	5.61	(0.45)	94.34	(0.46)	0.04	(.)
LUX	4080	0.10	4076	32.68	(0.60)	66.73	(0.63)	0.59	(.)
MEX	1071650	0.37	1067674	42.18	(0.86)	57.77	(0.87)	0.05	(.)
NLD	184943	3.09	179228	40.00	(1.55)	60.00	(1.55)	.	(.)
NZL	48638	0.69	48300	76.01	(0.76)	23.80	(0.76)	0.19	(.)
NOR	52816	0.77	52407	45.71	(0.96)	54.24	(0.96)	0.05	(.)
POL	534900	.	534900	12.65	(0.66)	87.31	(0.66)	0.04	(.)
PRT	96857	0.23	96637	23.34	(0.76)	76.66	(0.76)	.	(.)
SVK	77067	0.24	76878	57.37	(1.56)	42.60	(1.56)	0.03	(.)
ESP	344372	0.07	344114	60.27	(1.13)	39.73	(1.13)	.	(.)
SWE	107104	0.25	106838	33.90	(0.76)	66.07	(0.76)	0.03	(.)
CHE	86491	0.14	86370	31.84	(1.65)	68.05	(1.65)	0.11	(.)
TUR	481279	0.05	481021	27.42	(1.13)	72.55	(1.12)	0.03	(.)
GBR	698579	3.63	673243	48.88	(1.03)	51.12	(1.03)	0.00	(.)
USA	3147089	0.76	3123066	82.64	(0.65)	17.36	(0.65)	.	(.)
TOT	.	3.80	.	52.28	(0.38)	47.28	(0.38)	0.44	(0.03)
AVG	.	4.23	.	48.93	(0.23)	50.73	(0.23)	0.35	(0.02)
HKG	72484	0.21	72334	48.95	(1.06)	51.05	(1.06)	.	(.)
IDN	1971476	.	1971476	25.35	(0.94)	74.65	(0.94)	.	(.)
LVA	33643	0.22	33570	33.45	(1.12)	66.49	(1.12)	0.06	(.)
LIE	338	.	338	35.97	(2.20)	63.72	(2.23)	0.31	(.)
MAC	6546	.	6546	60.05	(1.80)	39.95	(1.80)	.	(.)
RUS	2153373	0.02	2152991	24.52	(1.08)	75.47	(1.08)	0.01	(.)
YUG	68596	0.51	68244	12.27	(1.55)	87.69	(1.55)	0.04	(.)
THA	637076	.	637076	73.06	(1.43)	26.94	(1.43)	.	(.)
TUN	150875	0.07	150770	58.25	(1.05)	41.73	(1.05)	0.02	(.)
URY	33775	0.17	33719	41.30	(1.02)	58.42	(1.04)	0.28	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 3A>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	538 (2.05)	472 (3.15)	. (.)
AUT	85931	1.08	85003	548 (3.43)	434 (3.22)	. (.)
BEL	111831	1.79	109825	549 (2.09)	479 (3.84)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	468 (2.48)	516 (3.50)	449 (12.26)
DNK	51741	0.65	51406	520 (2.42)	437 (3.61)	. (.)
FIN	57884	0.07	57845	553 (1.51)	470 (4.55)	. (.)
FRA	734579	0.87	728167	533 (2.51)	439 (4.09)	507 (7.42)
DEU	884358	5.57	835070	562 (2.64)	455 (3.45)	. (.)
GRC	105131	0.13	104991	496 (4.04)	453 (4.89)	. (.)
HUN	107044	0.06	106984	492 (2.96)	472 (3.18)	. (.)
ISL	3928	0.63	3903	506 (1.60)	447 (3.91)	. (.)
IRL	54850	1.03	54285	534 (2.46)	480 (4.16)	. (.)
ITA	481521	0.10	481055	482 (3.45)	467 (3.97)	. (.)
JPN	1240054	0.10	1238855	488 (5.56)	504 (4.22)	. (.)
KOR	533504	0.04	533302	542 (7.50)	534 (3.06)	. (.)
LUX	4080	0.10	4076	512 (2.37)	464 (2.08)	. (.)
MEX	1071650	0.37	1067674	411 (4.61)	392 (4.65)	. (.)
NLD	184943	3.09	179228	572 (2.77)	481 (3.49)	. (.)
NZL	48638	0.69	48300	540 (2.35)	466 (5.15)	. (.)
NOR	52816	0.77	52407	539 (3.54)	468 (3.29)	. (.)
POL	534900	.	534900	491 (4.36)	497 (3.02)	. (.)
PRT	96857	0.23	96637	480 (3.91)	477 (4.10)	. (.)
SVK	77067	0.24	76878	489 (2.50)	443 (4.67)	. (.)
ESP	344372	0.07	344114	512 (2.13)	433 (3.33)	. (.)
SWE	107104	0.25	106838	494 (2.70)	525 (3.04)	. (.)
CHE	86491	0.14	86370	561 (3.02)	470 (2.80)	. (.)
TUR	481279	0.05	481021	431 (5.72)	445 (6.19)	. (.)
GBR	698579	3.63	673243	546 (2.94)	468 (2.39)	. (.)
USA	3147089	0.76	3123066	500 (3.14)	476 (5.56)	. (.)
TOT	.	3.80	.	503 (1.59)	471 (1.20)	498 (7.17)
AVG	.	4.23	.	517 (0.62)	472 (0.88)	484 (5.83)
HKG	72484	0.21	72334	522 (3.48)	498 (4.37)	. (.)
IDN	1971476	.	1971476	364 (3.67)	388 (3.63)	. (.)
LVA	33643	0.22	33570	498 (4.29)	487 (4.14)	. (.)
LIE	338	.	338	584 (6.29)	491 (4.61)	. (.)
MAC	6546	.	6546	496 (2.98)	500 (4.43)	. (.)
RUS	2153373	0.02	2152991	454 (4.84)	438 (4.36)	. (.)
YUG	68596	0.51	68244	465 (6.10)	405 (3.26)	. (.)
THA	637076	.	637076	432 (3.12)	386 (3.18)	. (.)
TUN	150875	0.07	150770	384 (3.15)	361 (3.44)	. (.)
URY	33775	0.17	33719	465 (3.44)	412 (4.73)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 3A>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (2.11)	479 (3.03)	. (.)
AUT	85931	1.08	85003	553 (3.76)	457 (3.02)	. (.)
BEL	111831	1.79	109825	573 (2.35)	500 (3.23)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	493 (2.78)	544 (3.98)	453 (11.36)
DNK	51741	0.65	51406	539 (2.66)	466 (3.16)	. (.)
FIN	57884	0.07	57845	554 (1.75)	474 (3.59)	. (.)
FRA	734579	0.87	728167	546 (2.42)	460 (3.74)	502 (6.47)
DEU	884358	5.57	835070	570 (2.64)	467 (3.34)	. (.)
GRC	105131	0.13	104991	466 (4.56)	428 (4.15)	. (.)
HUN	107044	0.06	106984	499 (3.23)	482 (3.36)	. (.)
ISL	3928	0.63	3903	528 (1.48)	475 (3.39)	. (.)
IRL	54850	1.03	54285	518 (2.33)	474 (3.78)	. (.)
ITA	481521	0.10	481055	472 (2.99)	457 (4.09)	. (.)
JPN	1240054	0.10	1238855	524 (5.83)	539 (4.40)	. (.)
KOR	533504	0.04	533302	554 (8.32)	542 (3.20)	. (.)
LUX	4080	0.10	4076	524 (2.10)	478 (1.34)	. (.)
MEX	1071650	0.37	1067674	395 (4.14)	379 (3.98)	. (.)
NLD	184943	3.09	179228	605 (3.20)	502 (3.69)	. (.)
NZL	48638	0.69	48300	538 (2.34)	480 (4.63)	. (.)
NOR	52816	0.77	52407	530 (2.78)	466 (2.76)	. (.)
POL	534900	.	534900	481 (4.31)	492 (2.59)	. (.)
PRT	96857	0.23	96637	464 (3.81)	467 (3.58)	. (.)
SVK	77067	0.24	76878	517 (2.89)	474 (4.84)	. (.)
ESP	344372	0.07	344114	513 (2.15)	443 (2.67)	. (.)
SWE	107104	0.25	106838	487 (2.80)	521 (3.22)	. (.)
CHE	86491	0.14	86370	597 (3.85)	493 (2.35)	. (.)
TUR	481279	0.05	481021	411 (6.51)	428 (7.06)	. (.)
GBR	698579	3.63	673243	547 (2.82)	470 (2.47)	. (.)
USA	3147089	0.76	3123066	487 (2.92)	467 (5.06)	. (.)
TOT	.	3.80	.	500 (1.47)	476 (1.16)	495 (6.14)
AVG	.	4.23	.	521 (0.65)	480 (0.85)	484 (4.82)
HKG	72484	0.21	72334	563 (4.21)	539 (5.32)	. (.)
IDN	1971476	.	1971476	338 (3.90)	368 (4.19)	. (.)
LVA	33643	0.22	33570	487 (3.90)	482 (4.18)	. (.)
LIE	338	.	338	602 (6.61)	497 (5.46)	. (.)
MAC	6546	.	6546	526 (3.61)	529 (5.52)	. (.)
RUS	2153373	0.02	2152991	480 (4.41)	465 (4.74)	. (.)
YUG	68596	0.51	68244	495 (6.33)	429 (3.52)	. (.)
THA	637076	.	637076	429 (3.46)	386 (3.29)	. (.)
TUN	150875	0.07	150770	364 (2.78)	351 (3.23)	. (.)
URY	33775	0.17	33719	451 (3.11)	402 (4.25)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 3A>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	537 (2.08)	475 (3.10)	. (.)
AUT	85931	1.08	85003	543 (3.60)	438 (3.08)	. (.)
BEL	111831	1.79	109825	549 (2.22)	480 (3.46)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	499 (2.88)	549 (3.82)	472 (11.56)
DNK	51741	0.65	51406	501 (2.89)	424 (3.96)	. (.)
FIN	57884	0.07	57845	558 (1.90)	474 (4.01)	. (.)
FRA	734579	0.87	728167	553 (2.86)	449 (4.62)	508 (8.32)
DEU	884358	5.57	835070	572 (2.79)	465 (3.79)	. (.)
GRC	105131	0.13	104991	501 (4.00)	465 (4.47)	. (.)
HUN	107044	0.06	106984	513 (3.11)	495 (3.56)	. (.)
ISL	3928	0.63	3903	508 (1.63)	453 (3.63)	. (.)
IRL	54850	1.03	54285	522 (2.61)	473 (4.02)	. (.)
ITA	481521	0.10	481055	494 (3.21)	476 (4.45)	. (.)
JPN	1240054	0.10	1238855	537 (5.91)	553 (4.55)	. (.)
KOR	533504	0.04	533302	552 (9.51)	538 (3.49)	. (.)
LUX	4080	0.10	4076	515 (2.48)	467 (2.02)	. (.)
MEX	1071650	0.37	1067674	413 (4.03)	399 (3.82)	. (.)
NLD	184943	3.09	179228	595 (3.26)	484 (3.76)	. (.)
NZL	48638	0.69	48300	535 (2.52)	480 (4.57)	. (.)
NOR	52816	0.77	52407	522 (3.58)	453 (3.46)	. (.)
POL	534900	.	534900	491 (5.21)	499 (3.04)	. (.)
PRT	96857	0.23	96637	469 (3.68)	468 (3.83)	. (.)
SVK	77067	0.24	76878	514 (2.84)	469 (5.63)	. (.)
ESP	344372	0.07	344114	517 (2.41)	442 (3.06)	. (.)
SWE	107104	0.25	106838	482 (2.93)	519 (3.40)	. (.)
CHE	86491	0.14	86370	587 (4.22)	478 (2.59)	. (.)
TUR	481279	0.05	481021	423 (5.87)	438 (6.23)	. (.)
GBR	698579	3.63	673243	562 (3.01)	477 (2.72)	. (.)
USA	3147089	0.76	3123066	495 (3.15)	477 (5.47)	. (.)
TOT	.	3.80	.	508 (1.58)	482 (1.14)	501 (7.62)
AVG	.	4.23	.	521 (0.65)	479 (0.83)	490 (5.77)
HKG	72484	0.21	72334	551 (4.03)	529 (4.91)	. (.)
IDN	1971476	.	1971476	378 (3.15)	401 (3.46)	. (.)
LVA	33643	0.22	33570	494 (4.53)	487 (4.31)	. (.)
LIE	338	.	338	595 (7.98)	485 (5.48)	. (.)
MAC	6546	.	6546	523 (3.57)	528 (5.79)	. (.)
RUS	2153373	0.02	2152991	503 (4.87)	485 (4.65)	. (.)
YUG	68596	0.51	68244	490 (6.28)	429 (3.16)	. (.)
THA	637076	.	637076	440 (3.09)	399 (3.18)	. (.)
TUN	150875	0.07	150770	390 (2.94)	377 (3.33)	. (.)
URY	33775	0.17	33719	466 (3.87)	420 (3.96)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 3A>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	540 (1.99)	485 (3.04)	. (.)
AUT	85931	1.08	85003	552 (3.38)	460 (2.91)	. (.)
BEL	111831	1.79	109825	565 (2.28)	498 (3.06)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	496 (2.83)	541 (3.74)	477 (11.91)
DNK	51741	0.65	51406	540 (2.41)	470 (3.18)	. (.)
FIN	57884	0.07	57845	556 (1.77)	480 (4.10)	. (.)
FRA	734579	0.87	728167	555 (2.42)	468 (4.04)	511 (6.85)
DEU	884358	5.57	835070	574 (2.63)	478 (3.34)	. (.)
GRC	105131	0.13	104991	471 (4.38)	430 (4.21)	. (.)
HUN	107044	0.06	106984	511 (3.19)	492 (3.54)	. (.)
ISL	3928	0.63	3903	517 (1.43)	467 (3.74)	. (.)
IRL	54850	1.03	54285	513 (2.29)	470 (3.57)	. (.)
ITA	481521	0.10	481055	478 (3.17)	458 (4.26)	. (.)
JPN	1240054	0.10	1238855	537 (6.06)	552 (4.39)	. (.)
KOR	533504	0.04	533302	561 (7.65)	550 (3.06)	. (.)
LUX	4080	0.10	4076	522 (2.38)	480 (1.73)	. (.)
MEX	1071650	0.37	1067674	396 (4.98)	376 (4.73)	. (.)
NLD	184943	3.09	179228	582 (3.23)	484 (3.84)	. (.)
NZL	48638	0.69	48300	547 (2.25)	489 (4.35)	. (.)
NOR	52816	0.77	52407	528 (3.21)	459 (2.84)	. (.)
POL	534900	.	534900	477 (4.13)	488 (2.91)	. (.)
PRT	96857	0.23	96637	469 (4.21)	470 (4.10)	. (.)
SVK	77067	0.24	76878	511 (2.81)	467 (5.00)	. (.)
ESP	344372	0.07	344114	512 (2.33)	438 (3.19)	. (.)
SWE	107104	0.25	106838	490 (2.57)	519 (3.15)	. (.)
CHE	86491	0.14	86370	584 (3.43)	492 (2.28)	. (.)
TUR	481279	0.05	481021	397 (6.13)	412 (6.31)	. (.)
GBR	698579	3.63	673243	549 (2.69)	472 (2.39)	. (.)
USA	3147089	0.76	3123066	482 (3.10)	459 (5.33)	. (.)
TOT	.	3.80	.	499 (1.54)	478 (1.26)	504 (6.86)
AVG	.	4.23	.	521 (0.65)	479 (0.87)	495 (5.40)
HKG	72484	0.21	72334	560 (3.93)	536 (4.91)	. (.)
IDN	1971476	.	1971476	343 (3.14)	368 (3.63)	. (.)
LVA	33643	0.22	33570	489 (4.19)	480 (4.37)	. (.)
LIE	338	.	338	591 (8.62)	494 (4.82)	. (.)
MAC	6546	.	6546	531 (3.46)	535 (4.55)	. (.)
RUS	2153373	0.02	2152991	491 (5.03)	474 (5.25)	. (.)
YUG	68596	0.51	68244	472 (6.03)	413 (3.07)	. (.)
THA	637076	.	637076	437 (3.04)	393 (3.01)	. (.)
TUN	150875	0.07	150770	354 (2.35)	332 (3.00)	. (.)
URY	33775	0.17	33719	441 (3.79)	390 (4.78)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 4>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	18.43	(0.44)	81.47	(0.44)	0.10	(.)
AUT	85931	1.08	85003	4.93	(0.55)	95.07	(0.55)	.	(.)
BEL	111831	1.79	109825	17.75	(0.88)	82.16	(0.88)	0.09	(.)
CAN	330436	9.70	298375	22.00	(0.43)	78.00	(0.43)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)
DNK	51741	0.65	51406	7.35	(0.48)	92.60	(0.49)	0.05	(.)
FIN	57884	0.07	57845	17.77	(0.55)	82.23	(0.55)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	9.04	(0.54)	90.96	(0.54)	.	(.)
GRC	105131	0.13	104991	3.81	(0.34)	96.14	(0.34)	0.06	(.)
HUN	107044	0.06	106984	20.85	(0.80)	79.01	(0.83)	0.14	(.)
ISL	3928	0.63	3903	22.73	(0.71)	77.11	(0.72)	0.15	(.)
IRL	54850	1.03	54285	18.75	(0.73)	81.25	(0.73)	.	(.)
ITA	481521	0.10	481055	8.48	(0.46)	91.52	(0.46)	.	(.)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	100.00	0	.	(.)	.	(.)	.	(.)
LUX	4080	0.10	4076	9.77	(0.46)	89.85	(0.46)	0.38	(.)
MEX	1071650	100.00	0	.	(.)	.	(.)	.	(.)
NLD	184943	3.09	179228	24.91	(1.27)	75.09	(1.27)	.	(.)
NZL	48638	0.69	48300	41.42	(0.70)	58.01	(0.70)	0.58	(.)
NOR	52816	0.77	52407	11.46	(0.60)	88.42	(0.59)	0.13	(.)
POL	534900	.	534900	21.28	(0.73)	78.68	(0.73)	0.04	(.)
PRT	96857	0.23	96637	11.30	(0.57)	88.70	(0.57)	.	(.)
SVK	77067	0.24	76878	13.34	(0.77)	86.65	(0.77)	0.01	(.)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)
CHE	86491	0.14	86370	3.74	(0.34)	96.24	(0.34)	0.02	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)
GBR	698579	11.96	614997	24.72	(0.65)	75.28	(0.65)	.	(.)
USA	3147089	0.76	3123066	28.16	(0.75)	71.84	(0.75)	.	(.)
TOT	.	40.04	.	21.28	(0.37)	78.70	(0.37)	0.02	(0.00)
AVG	.	27.97	.	16.39	(0.15)	83.53	(0.16)	0.08	(0.01)
HKG	72484	0.21	72334	12.20	(0.61)	87.80	(0.61)	.	(.)
IDN	1971476	.	1971476	6.91	(0.49)	93.09	(0.49)	.	(.)
LVA	33643	0.22	33570	14.15	(0.78)	85.80	(0.78)	0.05	(.)
LIE	338	.	338	5.13	(.)	94.87	(1.17)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	38.74	(1.22)	61.25	(1.22)	0.01	(.)
YUG	68596	100.00	0	.	(.)	.	(.)	.	(.)
THA	637076	.	637076	32.51	(1.18)	67.49	(1.18)	.	(.)
TUN	150875	0.07	150770	17.53	(0.82)	82.41	(0.82)	0.06	(.)
URY	33775	100.00	0	.	(.)	.	(.)	.	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 4>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	490 (3.09)	534 (2.34)	. (.)
AUT	85931	1.08	85003	501 (6.39)	493 (3.63)	. (.)
BEL	111831	1.79	109825	457 (4.54)	522 (3.00)	. (.)
CAN	330436	9.70	298375	507 (2.27)	538 (1.70)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	0.65	51406	452 (6.24)	496 (2.80)	. (.)
FIN	57884	0.07	57845	549 (3.16)	542 (1.68)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	513 (5.29)	500 (3.70)	. (.)
GRC	105131	0.13	104991	447 (9.06)	473 (4.14)	. (.)
HUN	107044	0.06	106984	451 (3.10)	490 (2.84)	. (.)
ISL	3928	0.63	3903	474 (3.75)	498 (1.97)	. (.)
IRL	54850	1.03	54285	497 (3.36)	519 (2.88)	. (.)
ITA	481521	0.10	481055	445 (6.91)	479 (3.05)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	459 (5.01)	482 (1.52)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.09	179228	500 (3.64)	523 (3.25)	. (.)
NZL	48638	0.69	48300	534 (2.84)	514 (2.97)	. (.)
NOR	52816	0.77	52407	459 (6.93)	506 (2.71)	. (.)
POL	534900	.	534900	504 (3.29)	495 (3.16)	. (.)
PRT	96857	0.23	96637	470 (5.58)	479 (3.73)	. (.)
SVK	77067	0.24	76878	421 (4.46)	477 (2.99)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	499 (12.63)	499 (3.13)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	11.96	614997	520 (3.54)	501 (3.11)	. (.)
USA	3147089	0.76	3123066	478 (3.48)	503 (3.62)	. (.)
TOT	.	40.04	.	487 (2.12)	502 (1.57)	473 (15.34)
AVG	.	27.97	.	490 (0.89)	502 (0.74)	482 (13.59)
HKG	72484	0.21	72334	496 (4.72)	511 (3.78)	. (.)
IDN	1971476	.	1971476	386 (7.58)	381 (3.35)	. (.)
LVA	33643	0.22	33570	497 (5.39)	490 (3.82)	. (.)
LIE	338	.	338	. (.)	525 (3.83)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	426 (4.59)	453 (4.39)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	417 (3.06)	421 (3.41)	. (.)
TUN	150875	0.07	150770	391 (5.61)	371 (2.89)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 4>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	488 (2.92)	533 (2.36)	. (.)
AUT	85931	1.08	85003	481 (5.68)	509 (3.26)	. (.)
BEL	111831	1.79	109825	475 (3.68)	545 (2.75)	. (.)
CAN	330436	9.70	298375	517 (2.32)	541 (1.73)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	0.65	51406	488 (6.76)	517 (2.72)	. (.)
FIN	57884	0.07	57845	550 (3.11)	543 (1.94)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	518 (5.29)	511 (3.64)	. (.)
GRC	105131	0.13	104991	409 (7.44)	447 (3.91)	. (.)
HUN	107044	0.06	106984	455 (2.96)	499 (3.12)	. (.)
ISL	3928	0.63	3903	497 (3.38)	521 (1.79)	. (.)
IRL	54850	1.03	54285	485 (3.11)	507 (2.66)	. (.)
ITA	481521	0.10	481055	452 (5.07)	467 (3.16)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	482 (4.11)	494 (1.09)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.09	179228	520 (3.67)	550 (3.44)	. (.)
NZL	48638	0.69	48300	533 (2.81)	518 (2.71)	. (.)
NOR	52816	0.77	52407	462 (5.46)	500 (2.41)	. (.)
POL	534900	.	534900	495 (2.94)	489 (2.82)	. (.)
PRT	96857	0.23	96637	469 (5.03)	466 (3.42)	. (.)
SVK	77067	0.24	76878	456 (4.50)	505 (3.27)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	520 (11.72)	527 (3.25)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	11.96	614997	518 (3.75)	502 (3.01)	. (.)
USA	3147089	0.76	3123066	470 (3.33)	488 (3.28)	. (.)
TOT	.	40.04	.	484 (2.02)	498 (1.42)	464 (15.83)
AVG	.	27.97	.	495 (0.82)	507 (0.67)	492 (11.12)
HKG	72484	0.21	72334	528 (5.07)	554 (4.68)	. (.)
IDN	1971476	.	1971476	367 (7.44)	360 (3.84)	. (.)
LVA	33643	0.22	33570	481 (5.28)	484 (3.77)	. (.)
LIE	338	.	338	. (.)	535 (4.56)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	451 (5.04)	479 (4.71)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	411 (2.60)	420 (3.83)	. (.)
TUN	150875	0.07	150770	372 (3.87)	356 (2.83)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 4>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	486 (3.18)	534 (2.30)	. (.)
AUT	85931	1.08	85003	477 (5.70)	494 (3.45)	. (.)
BEL	111831	1.79	109825	455 (3.70)	524 (2.81)	. (.)
CAN	330436	9.70	298375	497 (2.75)	530 (1.94)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	0.65	51406	440 (6.89)	479 (2.99)	. (.)
FIN	57884	0.07	57845	559 (3.21)	546 (2.02)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	518 (5.07)	510 (3.94)	. (.)
GRC	105131	0.13	104991	460 (8.10)	482 (3.85)	. (.)
HUN	107044	0.06	106984	472 (3.12)	512 (3.10)	. (.)
ISL	3928	0.63	3903	485 (3.26)	498 (1.80)	. (.)
IRL	54850	1.03	54285	479 (3.58)	511 (2.90)	. (.)
ITA	481521	0.10	481055	460 (6.91)	489 (3.19)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	467 (4.83)	484 (1.62)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.09	179228	503 (4.23)	537 (3.80)	. (.)
NZL	48638	0.69	48300	527 (2.96)	517 (2.93)	. (.)
NOR	52816	0.77	52407	442 (7.25)	490 (2.87)	. (.)
POL	534900	.	534900	501 (3.86)	497 (3.20)	. (.)
PRT	96857	0.23	96637	466 (5.84)	468 (3.42)	. (.)
SVK	77067	0.24	76878	452 (4.67)	502 (3.73)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	513 (15.29)	513 (3.43)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	11.96	614997	531 (4.20)	514 (3.12)	. (.)
USA	3147089	0.76	3123066	472 (3.58)	500 (3.52)	. (.)
TOT	.	40.04	.	485 (2.11)	505 (1.51)	460 (17.15)
AVG	.	27.97	.	491 (0.86)	505 (0.68)	482 (13.04)
HKG	72484	0.21	72334	524 (5.05)	542 (4.42)	. (.)
IDN	1971476	.	1971476	405 (6.65)	394 (3.22)	. (.)
LVA	33643	0.22	33570	491 (5.93)	489 (3.97)	. (.)
LIE	338	.	338	. (.)	525 (4.88)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	472 (4.76)	500 (4.78)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	424 (3.12)	431 (3.23)	. (.)
TUN	150875	0.07	150770	397 (4.38)	382 (2.80)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 4>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	494 (2.92)	538 (2.16)	. (.)
AUT	85931	1.08	85003	486 (5.21)	509 (3.18)	. (.)
BEL	111831	1.79	109825	479 (3.43)	539 (2.63)	. (.)
CAN	330436	9.70	298375	519 (2.48)	537 (1.74)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	0.65	51406	490 (5.73)	519 (2.51)	. (.)
FIN	57884	0.07	57845	554 (3.56)	546 (1.97)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	535 (5.05)	517 (3.58)	. (.)
GRC	105131	0.13	104991	425 (8.44)	450 (3.99)	. (.)
HUN	107044	0.06	106984	468 (3.20)	510 (3.20)	. (.)
ISL	3928	0.63	3903	486 (2.89)	511 (1.81)	. (.)
IRL	54850	1.03	54285	483 (3.26)	502 (2.53)	. (.)
ITA	481521	0.10	481055	442 (5.76)	472 (3.10)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	0.10	4076	474 (4.59)	496 (1.39)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)
NLD	184943	3.09	179228	505 (3.92)	529 (3.57)	. (.)
NZL	48638	0.69	48300	542 (2.75)	527 (2.63)	. (.)
NOR	52816	0.77	52407	459 (6.22)	495 (2.73)	. (.)
POL	534900	.	534900	491 (3.00)	485 (3.11)	. (.)
PRT	96857	0.23	96637	471 (5.82)	470 (3.87)	. (.)
SVK	77067	0.24	76878	445 (4.26)	499 (3.36)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	0.14	86370	521 (11.73)	521 (2.89)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	11.96	614997	521 (3.99)	504 (2.94)	. (.)
USA	3147089	0.76	3123066	465 (3.47)	483 (3.50)	. (.)
TOT	.	40.04	.	482 (2.16)	497 (1.50)	475 (17.77)
AVG	.	27.97	.	495 (0.93)	506 (0.69)	501 (11.53)
HKG	72484	0.21	72334	529 (5.10)	551 (4.33)	. (.)
IDN	1971476	.	1971476	371 (7.10)	361 (3.22)	. (.)
LVA	33643	0.22	33570	489 (5.95)	482 (4.00)	. (.)
LIE	338	.	338	. (.)	529 (4.24)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	458 (5.72)	491 (4.78)	. (.)
YUG	68596	100.00	0	. (.)	. (.)	. (.)
THA	637076	.	637076	419 (2.81)	428 (3.38)	. (.)
TUN	150875	0.07	150770	358 (3.31)	342 (2.39)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5B>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	15.78	(0.38)	84.11	(0.38)	0.11	(.)
AUT	85931	1.08	85003	19.03	(0.86)	80.97	(0.86)	.	(.)
BEL	111831	1.81	109811	27.41	(0.70)	72.42	(0.70)	0.18	(.)
CAN	330436	9.70	298375	44.09	(0.68)	55.91	(0.68)	.	(.)
CZE	121183	4.11	116203	10.51	(0.62)	87.77	(0.71)	1.72	(0.26)
DNK	51741	0.65	51406	22.00	(0.78)	77.95	(0.78)	0.05	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)
FRA	734579	0.87	728167	19.01	(0.91)	74.66	(1.04)	6.32	(0.49)
DEU	884358	5.57	835070	2.42	(0.21)	97.58	(0.21)	.	(.)
GRC	105131	0.13	104991	23.31	(1.66)	76.63	(1.66)	0.06	(.)
HUN	107044	0.06	106984	14.21	(0.72)	85.67	(0.72)	0.12	(.)
ISL	3928	0.63	3903	21.90	(0.71)	77.99	(0.72)	0.11	(.)
IRL	54850	1.03	54285	27.24	(0.78)	72.76	(0.78)	.	(.)
ITA	481521	0.10	481055	9.20	(0.62)	90.80	(0.62)	.	(.)
JPN	1240054	0.10	1238855	25.22	(1.18)	74.71	(1.18)	0.06	(.)
KOR	533504	0.04	533302	18.82	(0.86)	81.14	(0.86)	0.04	(.)
LUX	4080	0.10	4076	22.65	(0.61)	76.59	(0.62)	0.77	(.)
MEX	1071650	0.37	1067674	26.52	(0.82)	73.47	(0.82)	0.01	(.)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	0.72	48288	32.25	(0.77)	67.14	(0.77)	0.61	(.)
NOR	52816	0.77	52407	32.94	(0.76)	66.91	(0.75)	0.15	(.)
POL	534900	.	534900	15.76	(0.60)	84.20	(0.61)	0.04	(.)
PRT	96857	100.00	0	.	(.)	.	(.)	.	(.)
SVK	77067	0.24	76878	7.03	(0.46)	92.96	(0.46)	0.01	(.)
ESP	344372	0.07	344114	13.53	(0.45)	86.47	(0.45)	.	(.)
SWE	107104	0.25	106838	27.50	(0.72)	72.34	(0.71)	0.17	(.)
CHE	86491	0.14	86370	8.92	(0.51)	90.95	(0.51)	0.13	(.)
TUR	481279	0.03	481137	15.55	(1.27)	84.42	(1.27)	0.03	(.)
GBR	698579	3.63	673243	13.80	(0.51)	86.20	(0.51)	0.00	(.)
USA	3147089	0.76	3123066	38.21	(0.81)	61.79	(0.81)	.	(.)
TOT	.	4.09	.	23.84	(0.31)	75.72	(0.30)	0.44	(0.03)
AVG	.	11.11	.	20.51	(0.15)	79.10	(0.15)	0.40	(0.02)
HKG	72484	0.21	72334	25.49	(0.66)	74.51	(0.66)	.	(.)
IDN	1971476	.	1971476	16.08	(0.71)	83.92	(0.71)	.	(.)
LVA	33643	0.22	33570	51.67	(1.18)	48.28	(1.18)	0.05	(.)
LIE	338	.	338	6.93	(.)	92.77	(1.42)	0.30	(.)
MAC	6546	.	6546	34.06	(1.42)	65.94	(1.42)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)
YUG	68596	0.51	68244	30.27	(1.09)	69.69	(1.09)	0.04	(.)
THA	637076	100.00	0	.	(.)	.	(.)	.	(.)
TUN	150875	0.07	150770	15.59	(0.64)	84.39	(0.64)	0.02	(.)
URY	33775	0.17	33719	27.85	(0.96)	71.88	(0.97)	0.27	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5B>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	518 (3.02)	527 (2.25)	. (.)
AUT	85931	1.08	85003	463 (5.05)	500 (3.58)	. (.)
BEL	111831	1.81	109811	543 (2.52)	498 (3.38)	. (.)
CAN	330436	9.70	298375	527 (1.96)	535 (1.95)	. (.)
CZE	121183	4.11	116203	519 (4.94)	494 (2.81)	449 (12.26)
DNK	51741	0.65	51406	520 (3.13)	485 (3.12)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	495 (3.59)	497 (2.94)	507 (7.42)
DEU	884358	5.57	835070	545 (8.69)	500 (3.53)	. (.)
GRC	105131	0.13	104991	431 (4.21)	485 (4.36)	. (.)
HUN	107044	0.06	106984	493 (3.87)	480 (2.69)	. (.)
ISL	3928	0.63	3903	508 (3.42)	488 (1.89)	. (.)
IRL	54850	1.03	54285	538 (3.40)	506 (2.91)	. (.)
ITA	481521	0.10	481055	504 (5.12)	473 (3.11)	. (.)
JPN	1240054	0.10	1238855	483 (4.87)	504 (4.15)	. (.)
KOR	533504	0.04	533302	486 (4.99)	545 (3.14)	. (.)
LUX	4080	0.10	4076	519 (2.93)	468 (1.75)	. (.)
MEX	1071650	0.37	1067674	427 (4.13)	390 (4.53)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	552 (3.00)	508 (2.99)	. (.)
NOR	52816	0.77	52407	525 (3.60)	488 (2.99)	. (.)
POL	534900	.	534900	527 (3.84)	491 (3.10)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.24	76878	490 (4.41)	468 (3.15)	. (.)
ESP	344372	0.07	344114	475 (3.80)	481 (2.94)	. (.)
SWE	107104	0.25	106838	540 (2.51)	505 (2.98)	. (.)
CHE	86491	0.14	86370	510 (8.47)	498 (3.08)	. (.)
TUR	481279	0.03	481137	413 (4.57)	446 (6.40)	. (.)
GBR	698579	3.63	673243	527 (3.99)	503 (2.66)	. (.)
USA	3147089	0.76	3123066	508 (3.35)	488 (3.64)	. (.)
TOT	.	4.09	.	495 (1.84)	486 (1.21)	501 (6.77)
AVG	.	11.11	.	505 (0.85)	490 (0.70)	495 (5.45)
HKG	72484	0.21	72334	526 (3.38)	504 (3.95)	. (.)
IDN	1971476	.	1971476	389 (4.32)	380 (3.44)	. (.)
LVA	33643	0.22	33570	512 (3.62)	468 (4.55)	. (.)
LIE	338	.	338	. (.)	526 (3.89)	. (.)
MAC	6546	.	6546	514 (4.01)	489 (2.73)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	413 (2.91)	412 (4.41)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	372 (4.89)	375 (2.87)	. (.)
URY	33775	0.17	33719	462 (3.75)	424 (4.01)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5B>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	513 (2.85)	527 (2.37)	. (.)
AUT	85931	1.08	85003	488 (4.27)	512 (3.37)	. (.)
BEL	111831	1.81	109811	560 (2.71)	522 (2.94)	. (.)
CAN	330436	9.70	298375	528 (2.00)	542 (2.03)	. (.)
CZE	121183	4.11	116203	542 (4.26)	521 (3.33)	453 (11.36)
DNK	51741	0.65	51406	538 (3.12)	508 (3.03)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	514 (3.53)	512 (2.68)	502 (6.47)
DEU	884358	5.57	835070	557 (9.62)	510 (3.46)	. (.)
GRC	105131	0.13	104991	404 (3.60)	458 (4.14)	. (.)
HUN	107044	0.06	106984	498 (4.01)	489 (3.05)	. (.)
ISL	3928	0.63	3903	530 (2.81)	511 (1.70)	. (.)
IRL	54850	1.03	54285	521 (2.77)	496 (2.74)	. (.)
ITA	481521	0.10	481055	481 (5.13)	464 (3.18)	. (.)
JPN	1240054	0.10	1238855	514 (4.67)	541 (4.34)	. (.)
KOR	533504	0.04	533302	485 (4.27)	556 (3.41)	. (.)
LUX	4080	0.10	4076	524 (2.81)	484 (1.32)	. (.)
MEX	1071650	0.37	1067674	413 (3.66)	375 (3.94)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	547 (3.00)	513 (2.68)	. (.)
NOR	52816	0.77	52407	514 (3.24)	486 (2.62)	. (.)
POL	534900	.	534900	519 (3.38)	485 (2.76)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.24	76878	511 (4.88)	497 (3.40)	. (.)
ESP	344372	0.07	344114	484 (3.30)	485 (2.64)	. (.)
SWE	107104	0.25	106838	530 (2.31)	501 (3.09)	. (.)
CHE	86491	0.14	86370	554 (7.29)	524 (3.33)	. (.)
TUR	481279	0.03	481137	383 (5.39)	431 (7.40)	. (.)
GBR	698579	3.63	673243	526 (4.48)	505 (2.59)	. (.)
USA	3147089	0.76	3123066	494 (3.23)	477 (3.28)	. (.)
TOT	.	4.09	.	491 (1.73)	488 (1.12)	498 (5.95)
AVG	.	11.11	.	506 (0.90)	497 (0.71)	495 (4.72)
HKG	72484	0.21	72334	568 (4.18)	545 (4.84)	. (.)
IDN	1971476	.	1971476	365 (5.07)	359 (3.86)	. (.)
LVA	33643	0.22	33570	504 (3.80)	461 (4.38)	. (.)
LIE	338	.	338	. (.)	536 (4.23)	. (.)
MAC	6546	.	6546	546 (5.00)	518 (4.06)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	431 (3.62)	440 (4.48)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	356 (4.37)	359 (2.68)	. (.)
URY	33775	0.17	33719	446 (3.98)	413 (3.62)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5B>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	515 (3.07)	527 (2.27)	. (.)
AUT	85931	1.08	85003	471 (4.28)	498 (3.50)	. (.)
BEL	111831	1.81	109811	540 (2.60)	501 (3.24)	. (.)
CAN	330436	9.70	298375	514 (2.41)	529 (2.24)	. (.)
CZE	121183	4.11	116203	548 (5.35)	527 (3.17)	472 (11.56)
DNK	51741	0.65	51406	501 (3.47)	468 (3.36)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	517 (4.34)	512 (3.27)	508 (8.32)
DEU	884358	5.57	835070	557 (9.99)	510 (3.74)	. (.)
GRC	105131	0.13	104991	439 (4.30)	494 (4.06)	. (.)
HUN	107044	0.06	106984	516 (4.18)	501 (2.97)	. (.)
ISL	3928	0.63	3903	510 (3.00)	491 (1.86)	. (.)
IRL	54850	1.03	54285	527 (3.50)	497 (2.95)	. (.)
ITA	481521	0.10	481055	507 (5.37)	485 (3.22)	. (.)
JPN	1240054	0.10	1238855	530 (4.80)	554 (4.50)	. (.)
KOR	533504	0.04	533302	476 (4.96)	553 (3.75)	. (.)
LUX	4080	0.10	4076	520 (3.14)	471 (1.86)	. (.)
MEX	1071650	0.37	1067674	430 (3.83)	396 (3.83)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	540 (3.40)	512 (2.88)	. (.)
NOR	52816	0.77	52407	505 (4.05)	475 (3.13)	. (.)
POL	534900	.	534900	529 (4.22)	492 (3.06)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.24	76878	513 (6.16)	494 (3.78)	. (.)
ESP	344372	0.07	344114	480 (3.95)	488 (2.89)	. (.)
SWE	107104	0.25	106838	529 (2.85)	498 (3.36)	. (.)
CHE	86491	0.14	86370	540 (8.39)	510 (3.59)	. (.)
TUR	481279	0.03	481137	394 (5.11)	442 (6.53)	. (.)
GBR	698579	3.63	673243	540 (4.84)	515 (2.67)	. (.)
USA	3147089	0.76	3123066	500 (3.39)	487 (3.47)	. (.)
TOT	.	4.09	.	497 (1.84)	496 (1.11)	504 (7.33)
AVG	.	11.11	.	505 (0.94)	497 (0.67)	501 (5.27)
HKG	72484	0.21	72334	556 (4.18)	534 (4.55)	. (.)
IDN	1971476	.	1971476	400 (4.14)	394 (3.24)	. (.)
LVA	33643	0.22	33570	510 (3.73)	467 (4.62)	. (.)
LIE	338	.	338	. (.)	526 (5.03)	. (.)
MAC	6546	.	6546	543 (5.54)	515 (3.80)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	432 (3.25)	439 (4.27)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	383 (4.68)	385 (2.70)	. (.)
URY	33775	0.17	33719	460 (3.71)	430 (3.27)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 5B>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	518 (2.95)	532 (2.16)	. (.)
AUT	85931	1.08	85003	489 (4.16)	512 (3.18)	. (.)
BEL	111831	1.81	109811	554 (2.56)	518 (2.85)	. (.)
CAN	330436	9.70	298375	527 (1.96)	538 (1.94)	. (.)
CZE	121183	4.11	116203	543 (4.24)	521 (3.18)	477 (11.91)
DNK	51741	0.65	51406	544 (3.21)	510 (2.85)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	0.87	728167	525 (3.85)	520 (2.86)	511 (6.85)
DEU	884358	5.57	835070	554 (8.71)	518 (3.40)	. (.)
GRC	105131	0.13	104991	405 (3.48)	462 (4.27)	. (.)
HUN	107044	0.06	106984	516 (4.01)	499 (3.08)	. (.)
ISL	3928	0.63	3903	517 (2.78)	502 (1.71)	. (.)
IRL	54850	1.03	54285	516 (2.81)	492 (2.60)	. (.)
ITA	481521	0.10	481055	493 (5.43)	467 (3.14)	. (.)
JPN	1240054	0.10	1238855	532 (4.95)	553 (4.38)	. (.)
KOR	533504	0.04	533302	500 (4.46)	562 (3.15)	. (.)
LUX	4080	0.10	4076	522 (3.04)	485 (1.59)	. (.)
MEX	1071650	0.37	1067674	416 (4.14)	373 (4.66)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	0.72	48288	558 (3.07)	522 (2.63)	. (.)
NOR	52816	0.77	52407	513 (3.54)	479 (2.87)	. (.)
POL	534900	.	534900	518 (4.05)	481 (2.95)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)
SVK	77067	0.24	76878	510 (4.76)	491 (3.43)	. (.)
ESP	344372	0.07	344114	479 (3.24)	483 (3.00)	. (.)
SWE	107104	0.25	106838	530 (2.32)	501 (2.97)	. (.)
CHE	86491	0.14	86370	539 (7.29)	520 (2.94)	. (.)
TUR	481279	0.03	481137	373 (4.76)	414 (6.69)	. (.)
GBR	698579	3.63	673243	528 (4.26)	507 (2.53)	. (.)
USA	3147089	0.76	3123066	489 (3.43)	471 (3.57)	. (.)
TOT	.	4.09	.	492 (1.81)	489 (1.22)	507 (6.56)
AVG	.	11.11	.	507 (0.93)	497 (0.72)	504 (5.30)
HKG	72484	0.21	72334	564 (3.85)	542 (4.51)	. (.)
IDN	1971476	.	1971476	369 (4.61)	360 (3.22)	. (.)
LVA	33643	0.22	33570	504 (4.03)	459 (4.52)	. (.)
LIE	338	.	338	. (.)	530 (4.42)	. (.)
MAC	6546	.	6546	553 (5.30)	522 (3.42)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	417 (3.17)	422 (4.15)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)
TUN	150875	0.07	150770	355 (3.57)	343 (2.26)	. (.)
URY	33775	0.17	33719	434 (4.57)	402 (4.01)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5A or 6>

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	62.42	(0.79)	37.47	(0.79)	0.11	(.)
AUT	85931	1.08	85003	24.17	(1.28)	75.81	(1.29)	0.02	(.)
BEL	111831	1.81	109811	33.99	(0.97)	65.84	(0.98)	0.17	(.)
CAN	330436	9.70	298375	62.19	(0.82)	37.81	(0.82)	.	(.)
CZE	121183	4.11	116203	36.56	(1.08)	61.72	(1.11)	1.72	(0.26)
DNK	51741	0.65	51406	25.37	(0.89)	74.58	(0.90)	0.05	(.)
FIN	57884	0.07	57845	51.22	(0.92)	48.78	(0.92)	.	(.)
FRA	734579	0.87	728167	32.16	(0.82)	61.52	(0.84)	6.32	(0.49)
DEU	884358	5.57	835070	18.93	(0.89)	81.07	(0.89)	.	(.)
GRC	105131	0.13	104991	64.24	(1.93)	35.59	(1.94)	0.16	(.)
HUN	107044	0.06	106984	52.96	(1.36)	46.92	(1.34)	0.12	(.)
ISL	3928	0.63	3903	36.01	(0.78)	63.84	(0.78)	0.15	(.)
IRL	54850	1.03	54285	52.82	(1.10)	47.18	(1.10)	.	(.)
ITA	481521	0.10	481055	51.57	(1.19)	48.43	(1.19)	.	(.)
JPN	1240054	0.10	1238855	49.81	(1.26)	50.14	(1.27)	0.04	(.)
KOR	533504	0.04	533302	78.19	(0.97)	21.77	(0.97)	0.04	(.)
LUX	4080	0.10	4076	40.27	(0.58)	59.05	(0.57)	0.69	(.)
MEX	1071650	0.37	1067674	48.63	(1.49)	51.36	(1.49)	0.02	(.)
NLD	184943	3.09	179228	40.55	(1.46)	59.40	(1.46)	0.05	(.)
NZL	48638	0.69	48300	38.33	(0.91)	60.93	(0.92)	0.75	(0.11)
NOR	52816	0.77	52407	25.35	(0.87)	74.44	(0.87)	0.21	(.)
POL	534900	.	534900	30.01	(0.98)	69.94	(0.98)	0.04	(.)
PRT	96857	0.23	96637	50.76	(1.38)	49.24	(1.38)	.	(.)
SVK	77067	0.24	76878	42.59	(1.34)	57.38	(1.34)	0.03	(.)
ESP	344372	0.07	344114	47.89	(1.19)	52.11	(1.19)	.	(.)
SWE	107104	0.25	106838	32.75	(1.05)	67.09	(1.05)	0.16	(.)
CHE	86491	0.14	86370	17.45	(1.42)	82.37	(1.43)	0.18	(.)
TUR	481279	0.04	481086	75.65	(1.83)	24.35	(1.83)	.	(.)
GBR	698579	3.63	673243	30.99	(1.21)	68.99	(1.21)	0.02	(.)
USA	3147089	0.76	3123066	63.89	(0.93)	36.11	(0.93)	.	(.)
TOT	.	1.33	.	49.97	(0.31)	49.60	(0.32)	0.43	(0.03)
AVG	.	1.22	.	43.96	(0.22)	55.67	(0.22)	0.37	(0.02)
HKG	72484	0.21	72334	52.08	(1.43)	47.92	(1.43)	.	(.)
IDN	1971476	.	1971476	41.64	(1.68)	58.36	(1.68)	.	(.)
LVA	33643	0.22	33570	24.76	(1.53)	75.19	(1.53)	0.05	(.)
LIE	338	.	338	26.04	(1.69)	73.66	(1.60)	0.30	(.)
MAC	6546	.	6546	48.71	(1.53)	51.29	(1.53)	.	(.)
RUS	2153373	0.02	2152991	63.16	(2.00)	36.77	(1.99)	0.07	(.)
YUG	68596	.	68596	45.20	(2.19)	54.76	(2.19)	0.04	(.)
THA	637076	.	637076	58.08	(1.14)	41.92	(1.14)	.	(.)
TUN	150875	0.07	150770	51.98	(1.02)	47.99	(1.02)	0.02	(.)
URY	33775	0.17	33719	53.00	(1.03)	46.73	(1.00)	0.28	(.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5A or 6>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	558 (2.09)	473 (2.95)	. (.)
AUT	85931	1.08	85003	565 (4.00)	471 (3.00)	. (.)
BEL	111831	1.81	109811	575 (2.36)	477 (3.47)	. (.)
CAN	330436	9.70	298375	553 (1.61)	495 (1.90)	. (.)
CZE	121183	4.11	116203	551 (2.85)	464 (2.78)	449 (12.26)
DNK	51741	0.65	51406	539 (3.37)	477 (2.97)	. (.)
FIN	57884	0.07	57845	561 (1.94)	525 (1.90)	. (.)
FRA	734579	0.87	728167	554 (2.98)	467 (3.25)	507 (7.42)
DEU	884358	5.57	835070	577 (3.34)	483 (3.41)	. (.)
GRC	105131	0.13	104991	508 (3.66)	409 (4.36)	. (.)
HUN	107044	0.06	106984	527 (2.84)	432 (3.10)	. (.)
ISL	3928	0.63	3903	536 (2.61)	468 (1.95)	. (.)
IRL	54850	1.03	54285	549 (2.38)	477 (3.08)	. (.)
ITA	481521	0.10	481055	512 (3.17)	437 (4.46)	. (.)
JPN	1240054	0.10	1238855	543 (3.56)	454 (5.14)	. (.)
KOR	533504	0.04	533302	551 (2.97)	473 (5.27)	. (.)
LUX	4080	0.10	4076	530 (2.59)	445 (1.87)	. (.)
MEX	1071650	0.37	1067674	435 (3.83)	366 (3.94)	. (.)
NLD	184943	3.09	179228	567 (2.88)	483 (3.27)	. (.)
NZL	48638	0.69	48300	567 (3.13)	494 (2.74)	555 (16.29)
NOR	52816	0.77	52407	554 (4.11)	482 (2.92)	. (.)
POL	534900	.	534900	553 (3.18)	472 (3.01)	. (.)
PRT	96857	0.23	96637	523 (2.89)	431 (3.92)	. (.)
SVK	77067	0.24	76878	526 (2.47)	428 (3.78)	. (.)
ESP	344372	0.07	344114	529 (2.48)	436 (2.92)	. (.)
SWE	107104	0.25	106838	551 (3.18)	497 (2.37)	. (.)
CHE	86491	0.14	86370	567 (5.05)	485 (2.57)	. (.)
TUR	481279	0.04	481086	461 (6.05)	378 (4.69)	. (.)
GBR	698579	3.63	673243	564 (3.71)	480 (2.09)	. (.)
USA	3147089	0.76	3123066	522 (3.13)	449 (3.73)	. (.)
TOT	.	1.33	.	524 (1.40)	453 (1.32)	502 (6.75)
AVG	.	1.22	.	535 (0.76)	464 (0.70)	498 (5.26)
HKG	72484	0.21	72334	545 (2.27)	472 (4.98)	. (.)
IDN	1971476	.	1971476	412 (3.93)	360 (2.86)	. (.)
LVA	33643	0.22	33570	536 (4.84)	476 (3.37)	. (.)
LIE	338	.	338	585 (8.37)	504 (4.75)	. (.)
MAC	6546	.	6546	522 (3.00)	475 (3.07)	. (.)
RUS	2153373	0.02	2152991	471 (3.37)	392 (4.39)	. (.)
YUG	68596	.	68596	455 (3.38)	376 (2.79)	. (.)
THA	637076	.	637076	446 (3.49)	384 (2.77)	. (.)
TUN	150875	0.07	150770	399 (3.96)	349 (2.88)	. (.)
URY	33775	0.17	33719	475 (3.29)	388 (3.84)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 5A or 6>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	553 (2.11)	477 (2.71)	. (.)
AUT	85931	1.08	85003	575 (4.01)	486 (2.70)	. (.)
BEL	111831	1.81	109811	601 (2.47)	497 (2.84)	. (.)
CAN	330436	9.70	298375	558 (1.78)	499 (1.92)	. (.)
CZE	121183	4.11	116203	582 (3.40)	489 (2.89)	453 (11.36)
DNK	51741	0.65	51406	563 (3.70)	498 (2.70)	. (.)
FIN	57884	0.07	57845	565 (2.39)	523 (1.99)	. (.)
FRA	734579	0.87	728167	567 (2.99)	484 (2.88)	502 (6.47)
DEU	884358	5.57	835070	588 (3.45)	493 (3.30)	. (.)
GRC	105131	0.13	104991	480 (3.50)	383 (3.38)	. (.)
HUN	107044	0.06	106984	536 (3.23)	438 (3.22)	. (.)
ISL	3928	0.63	3903	557 (2.50)	492 (1.83)	. (.)
IRL	54850	1.03	54285	532 (2.32)	470 (2.76)	. (.)
ITA	481521	0.10	481055	493 (4.09)	436 (3.76)	. (.)
JPN	1240054	0.10	1238855	582 (4.22)	487 (4.74)	. (.)
KOR	533504	0.04	533302	562 (3.35)	470 (4.84)	. (.)
LUX	4080	0.10	4076	544 (1.85)	459 (1.55)	. (.)
MEX	1071650	0.37	1067674	416 (3.47)	356 (3.48)	. (.)
NLD	184943	3.09	179228	599 (3.12)	504 (3.38)	. (.)
NZL	48638	0.69	48300	567 (2.92)	497 (2.40)	542 (15.43)
NOR	52816	0.77	52407	541 (3.61)	480 (2.36)	. (.)
POL	534900	.	534900	545 (3.00)	467 (2.61)	. (.)
PRT	96857	0.23	96637	508 (2.50)	423 (3.41)	. (.)
SVK	77067	0.24	76878	555 (2.66)	457 (4.02)	. (.)
ESP	344372	0.07	344114	529 (2.67)	445 (2.41)	. (.)
SWE	107104	0.25	106838	545 (3.82)	492 (2.28)	. (.)
CHE	86491	0.14	86370	605 (5.93)	510 (2.45)	. (.)
TUR	481279	0.04	481086	445 (7.27)	355 (4.61)	. (.)
GBR	698579	3.63	673243	566 (3.47)	481 (2.17)	. (.)
USA	3147089	0.76	3123066	506 (2.90)	443 (3.42)	. (.)
TOT	.	1.33	.	521 (1.26)	458 (1.29)	499 (5.90)
AVG	.	1.22	.	537 (0.79)	472 (0.71)	497 (4.41)
HKG	72484	0.21	72334	593 (3.23)	505 (5.82)	. (.)
IDN	1971476	.	1971476	395 (4.61)	335 (3.30)	. (.)
LVA	33643	0.22	33570	535 (4.51)	466 (3.14)	. (.)
LIE	338	.	338	608 (8.60)	510 (5.52)	. (.)
MAC	6546	.	6546	554 (4.65)	502 (4.29)	. (.)
RUS	2153373	0.02	2152991	496 (3.72)	421 (4.40)	. (.)
YUG	68596	.	68596	482 (3.69)	399 (3.08)	. (.)
THA	637076	.	637076	444 (3.74)	380 (3.23)	. (.)
TUN	150875	0.07	150770	380 (3.72)	336 (2.41)	. (.)
URY	33775	0.17	33719	455 (3.26)	385 (3.29)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?

<ISCED level 5A or 6>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	556 (2.10)	474 (2.80)	. (.)
AUT	85931	1.08	85003	564 (4.05)	470 (2.80)	. (.)
BEL	111831	1.81	109811	577 (2.61)	478 (3.03)	. (.)
CAN	330436	9.70	298375	547 (2.00)	483 (2.17)	. (.)
CZE	121183	4.11	116203	589 (3.03)	494 (3.04)	472 (11.56)
DNK	51741	0.65	51406	529 (4.53)	458 (2.92)	. (.)
FIN	57884	0.07	57845	570 (2.40)	526 (2.26)	. (.)
FRA	734579	0.87	728167	579 (3.43)	478 (3.58)	508 (8.32)
DEU	884358	5.57	835070	600 (3.82)	490 (3.50)	. (.)
GRC	105131	0.13	104991	514 (3.56)	422 (3.96)	. (.)
HUN	107044	0.06	106984	548 (3.44)	453 (3.09)	. (.)
ISL	3928	0.63	3903	537 (2.72)	471 (1.85)	. (.)
IRL	54850	1.03	54285	538 (2.43)	468 (3.27)	. (.)
ITA	481521	0.10	481055	520 (3.74)	450 (4.16)	. (.)
JPN	1240054	0.10	1238855	598 (4.38)	498 (5.05)	. (.)
KOR	533504	0.04	533302	560 (3.67)	461 (5.69)	. (.)
LUX	4080	0.10	4076	536 (2.38)	447 (1.88)	. (.)
MEX	1071650	0.37	1067674	433 (3.56)	378 (3.24)	. (.)
NLD	184943	3.09	179228	589 (3.22)	487 (3.62)	. (.)
NZL	48638	0.69	48300	563 (3.62)	495 (2.44)	541 (15.40)
NOR	52816	0.77	52407	537 (4.27)	467 (2.92)	. (.)
POL	534900	.	534900	561 (3.48)	471 (2.92)	. (.)
PRT	96857	0.23	96637	512 (2.67)	422 (3.66)	. (.)
SVK	77067	0.24	76878	553 (2.86)	452 (4.45)	. (.)
ESP	344372	0.07	344114	536 (2.50)	443 (2.58)	. (.)
SWE	107104	0.25	106838	543 (4.35)	489 (2.57)	. (.)
CHE	86491	0.14	86370	598 (6.86)	495 (2.57)	. (.)
TUR	481279	0.04	481086	454 (6.44)	374 (4.31)	. (.)
GBR	698579	3.63	673243	583 (3.67)	489 (2.14)	. (.)
USA	3147089	0.76	3123066	515 (2.98)	450 (3.71)	. (.)
TOT	.	1.33	.	531 (1.27)	462 (1.21)	505 (7.36)
AVG	.	1.22	.	541 (0.75)	468 (0.63)	502 (4.98)
HKG	72484	0.21	72334	580 (2.71)	495 (5.51)	. (.)
IDN	1971476	.	1971476	423 (3.96)	375 (2.69)	. (.)
LVA	33643	0.22	33570	537 (4.68)	473 (3.33)	. (.)
LIE	338	.	338	601 (10.05)	498 (5.66)	. (.)
MAC	6546	.	6546	557 (4.79)	494 (3.46)	. (.)
RUS	2153373	0.02	2152991	518 (3.75)	439 (4.14)	. (.)
YUG	68596	.	68596	477 (3.72)	403 (2.83)	. (.)
THA	637076	.	637076	453 (3.61)	395 (2.72)	. (.)
TUN	150875	0.07	150770	406 (3.71)	361 (2.42)	. (.)
URY	33775	0.17	33719	472 (3.38)	401 (3.46)	. (.)

Student Questionnaire – Question 23

Q23 Which of the following do you expect to complete?
<ISCED level 5A or 6>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	558 (1.92)	483 (2.71)	. (.)
AUT	85931	1.08	85003	571 (3.90)	487 (2.61)	. (.)
BEL	111831	1.81	109811	591 (2.38)	495 (2.67)	. (.)
CAN	330436	9.70	298375	555 (1.69)	498 (1.98)	. (.)
CZE	121183	4.11	116203	577 (3.30)	491 (2.88)	477 (11.91)
DNK	51741	0.65	51406	560 (3.32)	503 (2.66)	. (.)
FIN	57884	0.07	57845	566 (2.36)	528 (1.98)	. (.)
FRA	734579	0.87	728167	575 (3.01)	493 (3.07)	511 (6.85)
DEU	884358	5.57	835070	589 (3.51)	502 (3.26)	. (.)
GRC	105131	0.13	104991	483 (3.72)	386 (3.51)	. (.)
HUN	107044	0.06	106984	548 (3.25)	448 (3.27)	. (.)
ISL	3928	0.63	3903	545 (2.33)	483 (1.78)	. (.)
IRL	54850	1.03	54285	527 (2.27)	466 (2.67)	. (.)
ITA	481521	0.10	481055	502 (3.57)	436 (4.24)	. (.)
JPN	1240054	0.10	1238855	595 (4.25)	501 (5.14)	. (.)
KOR	533504	0.04	533302	568 (3.09)	487 (4.99)	. (.)
LUX	4080	0.10	4076	543 (2.13)	460 (1.94)	. (.)
MEX	1071650	0.37	1067674	420 (3.98)	351 (4.19)	. (.)
NLD	184943	3.09	179228	576 (3.22)	486 (3.52)	. (.)
NZL	48638	0.69	48300	572 (2.80)	509 (2.45)	554 (17.12)
NOR	52816	0.77	52407	540 (3.70)	473 (2.62)	. (.)
POL	534900	.	534900	535 (3.50)	466 (2.91)	. (.)
PRT	96857	0.23	96637	513 (2.82)	425 (4.15)	. (.)
SVK	77067	0.24	76878	548 (2.67)	450 (4.08)	. (.)
ESP	344372	0.07	344114	528 (2.70)	440 (2.91)	. (.)
SWE	107104	0.25	106838	542 (3.68)	493 (2.15)	. (.)
CHE	86491	0.14	86370	592 (5.18)	506 (2.28)	. (.)
TUR	481279	0.04	481086	430 (6.17)	338 (5.13)	. (.)
GBR	698579	3.63	673243	566 (3.35)	484 (2.11)	. (.)
USA	3147089	0.76	3123066	503 (2.96)	433 (3.66)	. (.)
TOT	.	1.33	.	521 (1.28)	459 (1.43)	508 (6.37)
AVG	.	1.22	.	536 (0.74)	473 (0.76)	507 (4.95)
HKG	72484	0.21	72334	586 (2.62)	506 (5.79)	. (.)
IDN	1971476	.	1971476	393 (3.91)	339 (2.66)	. (.)
LVA	33643	0.22	33570	532 (4.74)	466 (3.56)	. (.)
LIE	338	.	338	596 (8.74)	506 (5.09)	. (.)
MAC	6546	.	6546	555 (4.00)	511 (3.82)	. (.)
RUS	2153373	0.02	2152991	510 (3.70)	424 (5.05)	. (.)
YUG	68596	.	68596	461 (3.38)	386 (2.62)	. (.)
THA	637076	.	637076	452 (3.40)	388 (3.08)	. (.)
TUN	150875	0.07	150770	365 (3.18)	323 (2.21)	. (.)
URY	33775	0.17	33719	447 (3.96)	370 (3.77)	. (.)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has done little to prepare me for adult life when I leave school.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	3.74 (0.21)	18.40 (0.48)	50.12 (0.51)	25.34 (0.53)	2.39 (0.22)
AUT	85931	1.08	85003	5.80 (0.37)	22.48 (0.66)	47.12 (0.77)	22.98 (0.81)	1.62 (0.25)
BEL	111831	1.79	109825	6.67 (0.40)	24.17 (0.54)	53.16 (0.70)	13.05 (0.42)	2.95 (0.25)
CAN	330436	9.70	298375	4.55 (0.23)	20.41 (0.41)	49.30 (0.55)	22.97 (0.52)	2.76 (0.17)
CZE	121183	4.11	116203	4.46 (0.30)	25.35 (0.77)	52.51 (0.72)	14.42 (0.59)	3.26 (0.30)
DNK	51741	0.65	51406	5.07 (0.34)	25.75 (0.62)	48.99 (0.73)	17.77 (0.75)	2.42 (0.29)
FIN	57884	0.07	57845	2.62 (0.25)	18.46 (0.59)	59.63 (0.76)	18.71 (0.65)	0.58 (0.09)
FRA	734579	0.87	728167	5.71 (0.36)	18.41 (0.69)	48.57 (0.95)	24.90 (0.83)	2.40 (0.31)
DEU	884358	5.57	835070	10.07 (0.46)	32.31 (0.63)	41.95 (0.77)	13.29 (0.57)	2.38 (0.32)
GRC	105131	0.13	104991	9.44 (0.55)	29.08 (0.74)	43.36 (0.87)	15.78 (0.63)	2.33 (0.25)
HUN	107044	0.06	106984	8.51 (0.38)	36.59 (0.84)	45.90 (0.94)	7.56 (0.43)	1.44 (0.19)
ISL	3928	0.63	3903	6.37 (0.41)	20.65 (0.73)	46.24 (0.80)	25.82 (0.75)	0.92 (0.18)
IRL	54850	1.03	54285	4.73 (0.42)	20.46 (0.75)	50.88 (0.92)	20.15 (0.83)	3.78 (0.35)
ITA	481521	0.10	481055	6.11 (0.35)	27.39 (0.69)	54.66 (0.80)	10.02 (0.42)	1.83 (0.29)
JPN	1240054	0.10	1238855	6.93 (0.40)	26.06 (0.73)	55.01 (0.83)	11.24 (0.42)	0.76 (0.16)
KOR	533504	0.04	533302	2.97 (0.21)	24.47 (0.60)	61.18 (0.71)	10.19 (0.47)	1.20 (0.17)
LUX	4080	0.10	4076	14.29 (0.54)	33.04 (0.75)	37.08 (0.68)	13.07 (0.56)	2.52 (0.24)
MEX	1071650	0.37	1067674	13.60 (0.59)	26.77 (0.77)	29.85 (0.75)	20.03 (0.97)	9.75 (0.68)
NLD	184943	3.15	179120	3.73 (0.42)	19.31 (0.77)	63.87 (1.00)	12.23 (0.82)	0.86 (0.19)
NZL	48638	2.17	47580	5.34 (0.43)	23.89 (0.69)	49.08 (0.90)	20.39 (0.69)	1.30 (0.19)
NOR	52816	0.77	52407	6.73 (0.43)	29.19 (0.79)	47.90 (0.84)	12.13 (0.56)	4.05 (0.38)
POL	534900	.	534900	6.91 (0.42)	24.04 (0.72)	49.26 (0.87)	16.72 (0.68)	3.07 (0.35)
PRT	96857	0.23	96637	5.27 (0.40)	20.11 (0.71)	49.70 (0.81)	22.98 (0.90)	1.94 (0.26)
SVK	77067	0.03	77043	3.67 (0.35)	23.35 (0.62)	57.38 (0.82)	11.37 (0.57)	4.23 (0.37)
ESP	344372	0.07	344114	7.65 (0.39)	24.49 (0.73)	43.50 (0.72)	22.08 (0.65)	2.29 (0.23)
SWE	107104	0.25	106838	4.80 (0.33)	25.01 (0.72)	46.95 (0.85)	20.78 (0.70)	2.47 (0.28)
CHE	86491	0.14	86370	7.80 (0.53)	27.83 (0.58)	44.86 (0.73)	16.60 (0.56)	2.92 (0.32)
TUR	481279	0.03	481137	12.16 (0.65)	26.67 (0.88)	34.05 (0.94)	16.37 (0.97)	10.75 (0.80)
GBR	698579	3.63	673214	4.56 (0.27)	20.68 (0.58)	51.39 (0.60)	21.45 (0.65)	1.91 (0.19)
USA	3147089	0.76	3123066	6.11 (0.38)	24.13 (0.63)	45.55 (0.89)	21.92 (0.69)	2.28 (0.24)
TOT	.	1.33	.	7.09 (0.14)	24.71 (0.23)	46.94 (0.30)	18.15 (0.22)	3.11 (0.11)
AVG	.	1.27	.	6.56 (0.07)	24.65 (0.13)	48.62 (0.15)	17.40 (0.13)	2.78 (0.06)
HKG	72484	0.21	72334	7.88 (0.44)	45.24 (0.85)	42.80 (0.89)	3.79 (0.31)	0.30 (.)
IDN	1971476	.	1971476	4.61 (0.43)	12.26 (0.59)	55.45 (0.78)	19.69 (0.74)	8.00 (0.56)
LVA	33643	0.22	33570	2.74 (0.27)	13.33 (0.63)	59.75 (0.93)	21.52 (0.92)	2.66 (0.29)
LIE	338	.	338	9.69 (1.60)	31.88 (2.27)	42.43 (2.53)	13.20 (1.80)	2.79 (.)
MAC	6546	.	6546	8.95 (0.97)	37.38 (1.66)	47.54 (1.68)	5.82 (0.83)	0.31 (.)
RUS	2153373	0.02	2152991	4.74 (0.47)	12.90 (0.66)	54.44 (0.68)	21.80 (0.94)	6.12 (0.46)
YUG	68596	0.58	68198	6.76 (0.43)	17.78 (0.65)	51.75 (1.03)	14.80 (0.62)	8.91 (0.70)
THA	637076	.	637076	7.90 (0.52)	30.84 (0.95)	50.98 (1.20)	9.04 (0.82)	1.24 (0.16)
TUN	150875	0.07	150770	7.74 (0.45)	14.47 (0.60)	32.23 (0.90)	33.51 (0.84)	12.05 (0.67)
URY	33775	0.17	33719	8.40 (0.59)	29.57 (0.82)	42.63 (1.01)	12.20 (0.56)	7.20 (0.46)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has done little to prepare me for adult life when I leave school.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	470 (6.62)	493 (3.54)	532 (2.23)	554 (2.75)	440 (8.13)
AUT	85931	1.08	85003	450 (8.07)	500 (4.47)	503 (3.86)	485 (5.13)	373 (12.39)
BEL	111831	1.79	109825	447 (10.29)	514 (3.75)	526 (2.52)	500 (4.66)	389 (11.01)
CAN	330436	9.70	298375	474 (5.33)	510 (1.94)	540 (1.81)	549 (2.44)	483 (6.32)
CZE	121183	4.11	116203	448 (7.84)	498 (3.66)	505 (3.12)	494 (3.91)	407 (7.98)
DNK	51741	0.65	51406	469 (7.14)	484 (3.98)	500 (2.70)	505 (5.07)	402 (12.10)
FIN	57884	0.07	57845	488 (9.50)	519 (3.16)	549 (1.87)	562 (2.98)	402 (29.63)
FRA	734579	0.87	728167	443 (7.40)	484 (4.44)	509 (3.11)	505 (3.71)	405 (13.69)
DEU	884358	5.57	835070	476 (6.76)	508 (3.94)	513 (3.36)	488 (5.65)	368 (14.06)
GRC	105131	0.13	104991	456 (7.39)	480 (4.96)	479 (4.39)	466 (4.76)	367 (16.42)
HUN	107044	0.06	106984	468 (5.17)	486 (2.91)	485 (2.81)	479 (5.73)	369 (17.63)
ISL	3928	0.63	3903	424 (8.40)	471 (5.10)	501 (2.30)	515 (2.91)	393 (20.27)
IRL	54850	1.03	54285	483 (6.84)	501 (3.55)	522 (2.85)	535 (3.72)	426 (9.80)
ITA	481521	0.10	481055	444 (7.35)	475 (3.82)	484 (2.86)	474 (5.28)	356 (12.50)
JPN	1240054	0.10	1238855	484 (8.94)	498 (4.43)	503 (4.34)	491 (5.37)	380 (30.17)
KOR	533504	0.04	533302	514 (8.69)	529 (3.73)	537 (2.96)	540 (5.44)	466 (17.24)
LUX	4080	0.10	4076	458 (4.84)	493 (2.64)	493 (2.46)	455 (4.35)	353 (11.65)
MEX	1071650	0.37	1067674	366 (4.11)	385 (4.59)	427 (4.19)	442 (5.63)	318 (5.92)
NLD	184943	3.15	179120	479 (8.66)	508 (4.58)	523 (2.68)	519 (5.67)	450 (17.96)
NZL	48638	2.17	47580	464 (7.59)	490 (3.75)	535 (2.69)	558 (4.17)	430 (13.97)
NOR	52816	0.77	52407	446 (7.79)	486 (3.64)	518 (3.44)	519 (5.65)	438 (9.17)
POL	534900	.	534900	471 (7.45)	502 (4.15)	504 (2.79)	500 (3.71)	377 (11.45)
PRT	96857	0.23	96637	433 (8.23)	455 (5.21)	485 (3.39)	501 (4.69)	362 (13.75)
SVK	77067	0.03	77043	436 (7.72)	476 (4.62)	477 (3.02)	466 (4.35)	367 (10.38)
ESP	344372	0.07	344114	440 (6.72)	471 (3.47)	492 (2.91)	493 (3.81)	382 (10.19)
SWE	107104	0.25	106838	471 (8.48)	501 (3.59)	526 (2.91)	528 (4.20)	410 (11.14)
CHE	86491	0.14	86370	462 (8.89)	498 (3.58)	512 (3.45)	503 (3.93)	386 (11.61)
TUR	481279	0.03	481137	434 (8.22)	448 (6.68)	457 (6.23)	446 (8.79)	373 (5.89)
GBR	698579	3.63	673214	447 (6.93)	483 (3.57)	516 (3.38)	527 (4.02)	410 (10.69)
USA	3147089	0.76	3123066	432 (6.33)	472 (3.98)	513 (3.50)	517 (4.53)	373 (12.30)
TOT	.	1.33	.	439 (2.45)	477 (1.43)	505 (1.22)	503 (1.68)	367 (3.94)
AVG	.	1.27	.	450 (1.53)	487 (0.77)	508 (0.66)	507 (0.93)	385 (2.38)
HKG	72484	0.21	72334	493 (7.72)	504 (4.32)	519 (3.10)	514 (9.68)	. (.)
IDN	1971476	.	1971476	343 (8.71)	378 (4.71)	389 (3.41)	395 (4.05)	323 (6.93)
LVA	33643	0.22	33570	468 (10.29)	472 (5.74)	494 (3.78)	506 (4.51)	419 (15.27)
LIE	338	.	338	483 (17.64)	528 (7.33)	539 (6.64)	523 (15.23)	. (.)
MAC	6546	.	6546	492 (8.32)	501 (4.40)	497 (2.96)	495 (12.99)	. (.)
RUS	2153373	0.02	2152991	412 (9.82)	440 (6.18)	447 (3.61)	458 (4.85)	372 (7.39)
YUG	68596	0.58	68198	384 (6.44)	419 (4.35)	426 (3.71)	413 (4.84)	342 (5.01)
THA	637076	.	637076	392 (5.12)	407 (3.16)	431 (3.60)	433 (6.62)	367 (12.86)
TUN	150875	0.07	150770	355 (6.40)	363 (4.75)	383 (3.69)	392 (3.69)	330 (5.40)
URY	33775	0.17	33719	403 (8.77)	428 (5.61)	455 (3.53)	453 (6.78)	340 (7.78)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has done little to prepare me for adult life when I leave school.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	473 (5.47)	497 (3.67)	530 (2.15)	549 (2.81)	442 (6.97)
AUT	85931	1.08	85003	476 (6.89)	515 (3.94)	516 (3.49)	498 (4.49)	396 (9.64)
BEL	111831	1.79	109825	481 (9.29)	535 (3.61)	547 (2.44)	519 (4.49)	429 (8.53)
CAN	330436	9.70	298375	491 (5.21)	518 (2.14)	543 (1.78)	550 (2.46)	486 (6.08)
CZE	121183	4.11	116203	478 (9.11)	524 (4.06)	531 (3.57)	524 (4.74)	426 (7.87)
DNK	51741	0.65	51406	498 (7.88)	510 (3.68)	519 (2.78)	526 (4.82)	428 (11.22)
FIN	57884	0.07	57845	505 (8.16)	526 (3.31)	549 (1.87)	558 (3.75)	414 (23.05)
FRA	734579	0.87	728167	468 (6.78)	504 (3.58)	523 (2.81)	516 (3.85)	421 (12.71)
DEU	884358	5.57	835070	496 (6.51)	518 (3.87)	521 (3.40)	495 (5.41)	394 (11.23)
GRC	105131	0.13	104991	439 (6.21)	455 (4.80)	448 (4.29)	437 (3.99)	345 (11.58)
HUN	107044	0.06	106984	481 (5.21)	497 (3.33)	490 (3.34)	483 (6.61)	391 (16.50)
ISL	3928	0.63	3903	465 (6.81)	498 (4.48)	521 (2.24)	535 (2.99)	422 (17.41)
IRL	54850	1.03	54285	481 (6.87)	495 (3.64)	509 (2.78)	516 (3.49)	413 (7.49)
ITA	481521	0.10	481055	452 (6.96)	468 (3.81)	471 (3.07)	457 (4.89)	363 (10.41)
JPN	1240054	0.10	1238855	531 (7.65)	540 (4.56)	536 (4.37)	522 (5.69)	454 (22.26)
KOR	533504	0.04	533302	536 (9.22)	537 (3.64)	545 (3.34)	546 (5.83)	505 (18.20)
LUX	4080	0.10	4076	473 (3.84)	505 (2.26)	504 (2.26)	474 (4.11)	397 (10.07)
MEX	1071650	0.37	1067674	355 (4.15)	375 (4.24)	408 (3.56)	421 (4.68)	312 (5.81)
NLD	184943	3.15	179120	505 (9.57)	536 (4.75)	549 (2.86)	539 (6.04)	481 (21.94)
NZL	48638	2.17	47580	477 (6.91)	498 (3.58)	535 (2.31)	552 (4.29)	429 (13.45)
NOR	52816	0.77	52407	460 (4.91)	485 (3.28)	509 (3.10)	505 (4.54)	435 (7.85)
POL	534900	.	534900	469 (6.33)	499 (3.56)	496 (2.70)	486 (3.65)	391 (9.50)
PRT	96857	0.23	96637	433 (6.98)	449 (4.67)	471 (3.16)	486 (4.17)	372 (11.91)
SVK	77067	0.03	77043	470 (10.18)	510 (4.39)	505 (3.18)	492 (4.26)	389 (10.06)
ESP	344372	0.07	344114	458 (5.93)	480 (3.51)	494 (2.54)	491 (2.94)	399 (9.80)
SWE	107104	0.25	106838	481 (8.59)	496 (3.12)	517 (3.00)	525 (4.29)	434 (10.65)
CHE	86491	0.14	86370	499 (7.97)	526 (3.95)	539 (3.65)	526 (4.20)	420 (9.49)
TUR	481279	0.03	481137	419 (10.22)	437 (7.14)	439 (7.38)	425 (10.68)	344 (6.36)
GBR	698579	3.63	673214	462 (6.27)	487 (3.40)	516 (3.38)	525 (3.35)	410 (10.04)
USA	3147089	0.76	3123066	425 (5.93)	463 (3.89)	500 (3.13)	498 (4.20)	383 (9.51)
TOT	.	1.33	.	446 (2.58)	482 (1.41)	506 (1.13)	496 (1.58)	371 (3.51)
AVG	.	1.27	.	463 (1.60)	495 (0.79)	512 (0.65)	508 (0.99)	393 (2.30)
HKG	72484	0.21	72334	534 (8.87)	544 (5.45)	560 (3.94)	561 (11.51)	. (.)
IDN	1971476	.	1971476	324 (7.10)	357 (4.59)	369 (4.13)	371 (5.09)	300 (5.66)
LVA	33643	0.22	33570	482 (11.43)	470 (6.54)	486 (3.44)	495 (4.98)	409 (10.88)
LIE	338	.	338	483 (17.71)	535 (7.22)	554 (7.50)	541 (15.84)	. (.)
MAC	6546	.	6546	519 (10.93)	528 (5.37)	528 (3.95)	536 (20.10)	. (.)
RUS	2153373	0.02	2152991	441 (8.88)	467 (5.70)	471 (3.89)	486 (5.53)	405 (6.17)
YUG	68596	0.58	68198	407 (5.61)	448 (4.30)	448 (4.02)	442 (4.75)	367 (5.24)
THA	637076	.	637076	393 (5.55)	405 (3.22)	428 (3.53)	424 (7.32)	367 (11.33)
TUN	150875	0.07	150770	346 (5.32)	352 (4.23)	366 (3.85)	373 (3.03)	316 (3.67)
URY	33775	0.17	33719	396 (6.51)	424 (5.07)	438 (3.08)	437 (5.68)	329 (6.20)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has done little to prepare me for adult life when I leave school.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	468 (6.05)	491 (3.69)	531 (2.21)	555 (2.83)	442 (8.39)
AUT	85931	1.08	85003	460 (7.83)	500 (4.22)	501 (3.66)	484 (4.90)	390 (10.98)
BEL	111831	1.79	109825	455 (9.12)	515 (3.49)	525 (2.60)	504 (4.60)	406 (9.50)
CAN	330436	9.70	298375	474 (5.77)	503 (2.62)	532 (2.06)	536 (2.83)	468 (7.09)
CZE	121183	4.11	116203	485 (9.39)	532 (4.24)	537 (3.46)	527 (4.93)	433 (8.49)
DNK	51741	0.65	51406	454 (8.46)	469 (4.11)	481 (3.45)	489 (5.23)	382 (13.85)
FIN	57884	0.07	57845	508 (10.57)	525 (3.47)	553 (2.11)	566 (3.89)	417 (26.56)
FRA	734579	0.87	728167	460 (7.64)	499 (4.82)	524 (3.50)	521 (4.72)	413 (15.23)
DEU	884358	5.57	835070	497 (7.66)	519 (4.21)	521 (3.55)	493 (5.96)	384 (12.11)
GRC	105131	0.13	104991	470 (6.94)	491 (4.97)	485 (4.16)	473 (4.00)	383 (11.97)
HUN	107044	0.06	106984	494 (5.56)	510 (3.62)	504 (3.16)	502 (5.95)	394 (17.49)
ISL	3928	0.63	3903	445 (7.00)	477 (4.06)	501 (2.65)	514 (3.18)	431 (20.80)
IRL	54850	1.03	54285	481 (7.68)	494 (3.77)	511 (3.10)	524 (4.15)	416 (8.96)
ITA	481521	0.10	481055	464 (8.37)	488 (4.41)	493 (3.11)	482 (5.65)	367 (10.03)
JPN	1240054	0.10	1238855	540 (8.91)	550 (4.39)	550 (4.71)	540 (5.70)	485 (23.41)
KOR	533504	0.04	533302	531 (10.29)	532 (4.01)	542 (3.58)	542 (6.58)	491 (18.01)
LUX	4080	0.10	4076	460 (5.41)	495 (2.71)	496 (2.69)	464 (4.59)	364 (10.96)
MEX	1071650	0.37	1067674	377 (3.83)	395 (3.76)	425 (3.72)	439 (4.68)	342 (6.70)
NLD	184943	3.15	179120	485 (9.18)	517 (5.25)	535 (3.10)	530 (6.99)	463 (22.19)
NZL	48638	2.17	47580	474 (7.77)	494 (3.73)	534 (2.81)	548 (4.53)	434 (14.30)
NOR	52816	0.77	52407	447 (6.44)	471 (4.02)	500 (3.60)	497 (5.54)	421 (8.74)
POL	534900	.	534900	478 (7.59)	508 (4.41)	504 (3.01)	491 (3.93)	400 (11.49)
PRT	96857	0.23	96637	434 (7.91)	451 (4.84)	474 (3.30)	487 (4.77)	363 (14.59)
SVK	77067	0.03	77043	464 (12.08)	505 (6.30)	502 (3.36)	488 (5.34)	392 (11.62)
ESP	344372	0.07	344114	458 (6.68)	481 (3.92)	497 (2.81)	496 (4.09)	383 (10.23)
SWE	107104	0.25	106838	475 (10.15)	494 (3.71)	516 (3.53)	517 (4.61)	419 (13.08)
CHE	86491	0.14	86370	478 (10.14)	510 (4.36)	526 (3.89)	520 (4.60)	401 (9.83)
TUR	481279	0.03	481137	431 (8.20)	442 (6.98)	449 (6.45)	436 (9.58)	369 (5.47)
GBR	698579	3.63	673214	468 (7.97)	494 (4.13)	528 (3.39)	539 (3.72)	417 (11.75)
USA	3147089	0.76	3123066	434 (6.26)	470 (4.18)	508 (3.42)	508 (4.32)	392 (12.13)
TOT	.	1.33	.	453 (2.41)	487 (1.44)	512 (1.22)	504 (1.69)	383 (3.45)
AVG	.	1.27	.	462 (1.53)	494 (0.76)	512 (0.69)	508 (1.01)	395 (2.06)
HKG	72484	0.21	72334	527 (8.17)	534 (5.08)	548 (3.82)	544 (11.24)	. (.)
IDN	1971476	.	1971476	368 (7.11)	393 (4.08)	401 (3.38)	405 (3.96)	351 (5.18)
LVA	33643	0.22	33570	474 (12.40)	476 (6.27)	492 (3.89)	500 (5.04)	416 (14.07)
LIE	338	.	338	476 (17.65)	530 (7.98)	539 (8.74)	530 (17.94)	. (.)
MAC	6546	.	6546	520 (10.46)	524 (6.07)	526 (4.16)	536 (21.09)	. (.)
RUS	2153373	0.02	2152991	469 (8.83)	487 (6.91)	492 (3.85)	507 (5.09)	424 (7.43)
YUG	68596	0.58	68198	415 (5.86)	445 (5.12)	446 (3.74)	436 (4.81)	381 (4.74)
THA	637076	.	637076	409 (5.69)	418 (3.11)	439 (3.42)	433 (5.91)	386 (12.38)
TUN	150875	0.07	150770	370 (5.77)	377 (3.95)	391 (3.53)	400 (3.10)	345 (5.12)
URY	33775	0.17	33719	413 (7.93)	437 (4.73)	454 (3.27)	457 (5.43)	352 (6.75)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has done little to prepare me for adult life when I leave school.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	478 (5.40)	502 (3.57)	536 (2.08)	554 (2.62)	447 (7.01)
AUT	85931	1.08	85003	475 (7.11)	515 (4.09)	515 (3.36)	501 (4.64)	397 (10.06)
BEL	111831	1.79	109825	478 (7.26)	531 (3.44)	542 (2.49)	516 (4.60)	422 (8.46)
CAN	330436	9.70	298375	478 (5.80)	514 (2.09)	541 (1.90)	552 (2.35)	485 (5.98)
CZE	121183	4.11	116203	478 (8.96)	524 (3.76)	531 (3.42)	523 (4.73)	429 (8.57)
DNK	51741	0.65	51406	495 (7.72)	510 (3.78)	523 (2.67)	531 (4.53)	427 (11.19)
FIN	57884	0.07	57845	504 (9.95)	528 (3.23)	552 (2.11)	562 (3.34)	440 (20.71)
FRA	734579	0.87	728167	478 (6.49)	511 (4.17)	531 (3.16)	524 (4.05)	438 (13.17)
DEU	884358	5.57	835070	503 (6.21)	526 (3.89)	528 (3.24)	503 (5.00)	408 (10.30)
GRC	105131	0.13	104991	435 (6.95)	458 (4.75)	453 (4.39)	441 (4.50)	359 (14.88)
HUN	107044	0.06	106984	488 (5.56)	507 (3.17)	503 (3.27)	493 (6.37)	400 (17.41)
ISL	3928	0.63	3903	455 (7.32)	488 (3.95)	510 (2.03)	526 (2.58)	397 (18.30)
IRL	54850	1.03	54285	476 (6.05)	490 (3.54)	505 (2.69)	511 (3.28)	415 (7.65)
ITA	481521	0.10	481055	453 (7.65)	471 (3.78)	477 (2.94)	463 (5.76)	334 (13.96)
JPN	1240054	0.10	1238855	544 (8.11)	551 (5.12)	550 (4.41)	535 (6.03)	459 (28.08)
KOR	533504	0.04	533302	544 (8.82)	548 (3.36)	553 (3.14)	549 (5.67)	500 (16.45)
LUX	4080	0.10	4076	472 (4.01)	505 (2.41)	504 (2.43)	475 (4.55)	405 (10.37)
MEX	1071650	0.37	1067674	353 (5.48)	374 (4.76)	409 (4.15)	422 (5.88)	303 (7.00)
NLD	184943	3.15	179120	485 (9.52)	516 (4.87)	529 (3.01)	522 (6.08)	450 (19.69)
NZL	48638	2.17	47580	488 (7.12)	511 (3.90)	544 (2.30)	557 (4.09)	440 (12.38)
NOR	52816	0.77	52407	441 (6.55)	478 (3.53)	506 (3.45)	504 (4.97)	439 (7.78)
POL	534900	.	534900	471 (6.92)	496 (4.13)	493 (2.78)	482 (3.44)	372 (12.24)
PRT	96857	0.23	96637	437 (6.77)	455 (5.21)	476 (3.71)	487 (4.37)	361 (11.68)
SVK	77067	0.03	77043	459 (10.06)	503 (4.48)	498 (3.18)	486 (4.44)	392 (9.78)
ESP	344372	0.07	344114	449 (6.43)	475 (3.55)	493 (2.99)	491 (3.89)	390 (9.94)
SWE	107104	0.25	106838	477 (8.58)	495 (3.52)	517 (2.88)	524 (3.92)	434 (9.91)
CHE	86491	0.14	86370	490 (8.13)	520 (3.61)	534 (3.27)	522 (3.91)	422 (10.07)
TUR	481279	0.03	481137	403 (9.69)	420 (6.35)	423 (6.34)	410 (9.44)	329 (6.08)
GBR	698579	3.63	673214	460 (6.37)	488 (3.33)	520 (3.45)	526 (3.27)	413 (10.01)
USA	3147089	0.76	3123066	419 (6.48)	457 (4.17)	494 (3.23)	494 (4.33)	370 (10.28)
TOT	.	1.33	.	445 (2.70)	482 (1.58)	507 (1.11)	497 (1.61)	364 (3.57)
AVG	.	1.27	.	461 (1.60)	495 (0.81)	513 (0.64)	508 (0.97)	389 (2.35)
HKG	72484	0.21	72334	535 (8.60)	543 (5.21)	556 (3.65)	551 (10.97)	. (.)
IDN	1971476	.	1971476	334 (6.20)	362 (4.26)	367 (3.54)	370 (4.16)	313 (5.23)
LVA	33643	0.22	33570	472 (10.83)	469 (6.69)	486 (3.83)	495 (5.24)	394 (11.95)
LIE	338	.	338	483 (16.60)	528 (7.33)	546 (6.60)	535 (15.84)	. (.)
MAC	6546	.	6546	521 (8.51)	533 (4.73)	534 (4.45)	539 (16.94)	. (.)
RUS	2153373	0.02	2152991	443 (11.33)	479 (6.35)	483 (4.09)	496 (5.98)	405 (8.19)
YUG	68596	0.58	68198	386 (5.77)	429 (3.88)	433 (3.67)	424 (4.65)	351 (5.25)
THA	637076	.	637076	402 (4.84)	415 (3.12)	434 (3.33)	434 (6.88)	368 (14.11)
TUN	150875	0.07	150770	331 (5.30)	334 (3.95)	351 (3.12)	360 (2.90)	308 (4.08)
URY	33775	0.17	33719	388 (7.54)	414 (5.74)	427 (3.39)	420 (6.56)	305 (6.73)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has been a waste of time.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	1.65 (0.18)	4.55 (0.20)	44.82 (0.51)	46.24 (0.66)	2.73 (0.22)
AUT	85931	1.08	85003	2.69 (0.29)	4.83 (0.35)	31.32 (0.82)	59.46 (0.86)	1.69 (0.26)
BEL	111831	1.79	109825	3.71 (0.35)	6.64 (0.32)	54.26 (0.69)	32.50 (0.70)	2.90 (0.26)
CAN	330436	9.70	298375	2.31 (0.17)	6.06 (0.21)	49.34 (0.57)	39.39 (0.63)	2.91 (0.20)
CZE	121183	4.11	116203	2.52 (0.28)	3.66 (0.26)	48.16 (0.80)	42.26 (0.82)	3.41 (0.27)
DNK	51741	0.65	51406	2.12 (0.21)	4.31 (0.36)	40.13 (0.94)	51.00 (1.05)	2.45 (0.28)
FIN	57884	0.07	57845	1.86 (0.22)	5.52 (0.37)	52.03 (0.73)	40.08 (0.73)	0.51 (.)
FRA	734579	0.87	728167	2.33 (0.29)	4.97 (0.40)	42.70 (0.81)	47.65 (0.83)	2.35 (0.26)
DEU	884358	5.57	835070	2.79 (0.27)	4.28 (0.30)	33.94 (0.79)	56.45 (0.85)	2.54 (0.35)
GRC	105131	0.13	104991	2.14 (0.24)	3.40 (0.33)	40.92 (0.79)	51.33 (0.98)	2.22 (0.28)
HUN	107044	0.06	106984	1.77 (0.20)	4.04 (0.39)	55.78 (0.82)	36.78 (0.88)	1.63 (0.21)
ISL	3928	0.63	3903	2.99 (0.33)	6.81 (0.47)	37.21 (0.79)	51.95 (0.87)	1.04 (0.20)
IRL	54850	1.03	54285	2.29 (0.29)	4.30 (0.30)	46.62 (0.89)	43.10 (0.92)	3.69 (0.36)
ITA	481521	0.10	481055	2.17 (0.21)	3.60 (0.27)	49.43 (1.00)	42.64 (0.99)	2.17 (0.34)
JPN	1240054	0.10	1238855	3.68 (0.30)	6.66 (0.38)	49.00 (0.66)	40.00 (0.73)	0.65 (.)
KOR	533504	0.04	533302	1.56 (0.18)	8.77 (0.45)	61.62 (0.61)	27.19 (0.66)	0.86 (0.16)
LUX	4080	0.10	4076	4.47 (0.29)	5.05 (0.38)	39.54 (0.82)	48.41 (0.78)	2.52 (0.24)
MEX	1071650	0.37	1067674	2.19 (0.21)	2.40 (0.27)	23.74 (0.65)	60.36 (1.31)	11.30 (0.85)
NLD	184943	3.15	179120	3.10 (0.42)	7.41 (0.50)	57.85 (1.05)	30.92 (1.04)	0.72 (.)
NZL	48638	2.06	47637	1.72 (0.20)	6.22 (0.43)	46.97 (0.80)	43.50 (0.79)	1.58 (0.19)
NOR	52816	0.77	52407	3.93 (0.33)	6.52 (0.49)	39.31 (0.82)	46.46 (0.92)	3.79 (0.37)
POL	534900	.	534900	4.47 (0.34)	6.10 (0.45)	49.33 (0.78)	36.82 (0.78)	3.28 (0.35)
PRT	96857	0.23	96637	0.96 (0.15)	3.32 (0.33)	44.39 (0.78)	49.20 (0.88)	2.13 (0.26)
SVK	77067	0.03	77043	1.58 (0.17)	3.85 (0.29)	51.71 (0.90)	38.53 (1.03)	4.33 (0.39)
ESP	344372	0.07	344114	2.55 (0.24)	4.43 (0.35)	40.64 (0.81)	50.08 (0.90)	2.30 (0.25)
SWE	107104	0.25	106838	2.09 (0.25)	4.42 (0.29)	38.96 (0.86)	52.02 (0.92)	2.52 (0.26)
CHE	86491	0.14	86370	3.43 (0.31)	4.88 (0.40)	36.60 (0.78)	51.84 (0.89)	3.25 (0.29)
TUR	481279	0.03	481137	3.16 (0.53)	3.90 (0.39)	24.31 (0.85)	57.89 (1.29)	10.74 (0.82)
GBR	698579	3.63	673214	2.17 (0.21)	3.84 (0.30)	43.23 (0.83)	48.71 (0.92)	2.04 (0.21)
USA	3147089	0.76	3123066	2.52 (0.24)	6.97 (0.40)	47.69 (0.79)	40.27 (0.87)	2.55 (0.31)
TOT	.	1.33	.	2.63 (0.09)	5.45 (0.12)	43.66 (0.29)	44.92 (0.29)	3.35 (0.13)
AVG	.	1.26	.	2.56 (0.04)	5.05 (0.06)	44.04 (0.17)	45.45 (0.19)	2.90 (0.06)
HKG	72484	0.21	72334	2.92 (0.28)	10.19 (0.51)	64.83 (0.77)	21.84 (0.75)	0.23 (.)
IDN	1971476	.	1971476	0.81 (0.14)	1.33 (0.19)	37.83 (0.61)	52.19 (0.89)	7.84 (0.59)
LVA	33643	0.22	33570	1.46 (0.24)	2.12 (0.24)	46.73 (0.98)	46.87 (1.13)	2.82 (0.32)
LIE	338	.	338	3.93 (.)	4.52 (.)	39.62 (2.35)	49.45 (2.67)	2.48 (.)
MAC	6546	.	6546	2.09 (.)	7.37 (0.87)	62.16 (1.57)	27.98 (1.36)	0.40 (.)
RUS	2153373	0.02	2152991	1.61 (0.21)	2.79 (0.28)	50.29 (0.91)	38.76 (1.17)	6.55 (0.46)
YUG	68596	0.62	68170	2.63 (0.27)	3.91 (0.36)	48.07 (1.06)	35.60 (0.94)	9.79 (0.72)
THA	637076	.	637076	1.71 (0.19)	3.64 (0.35)	35.68 (0.90)	57.55 (0.95)	1.42 (0.18)
TUN	150875	0.07	150770	2.14 (0.23)	3.31 (0.35)	23.40 (0.74)	60.96 (0.96)	10.19 (0.62)
URY	33775	0.17	33719	1.91 (0.23)	3.99 (0.28)	37.57 (0.98)	48.40 (1.29)	8.12 (0.55)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has been a waste of time.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	452 (10.75)	472 (6.41)	516 (2.25)	549 (2.06)	435 (8.38)
AUT	85931	1.08	85003	431 (10.55)	470 (8.37)	490 (3.83)	503 (3.86)	369 (12.16)
BEL	111831	1.79	109825	429 (12.21)	471 (6.00)	519 (2.54)	524 (3.83)	382 (10.07)
CAN	330436	9.70	298375	470 (6.89)	497 (3.70)	528 (1.68)	548 (2.23)	477 (7.68)
CZE	121183	4.11	116203	446 (10.81)	456 (9.12)	492 (3.12)	514 (2.98)	404 (7.32)
DNK	51741	0.65	51406	451 (9.76)	445 (8.50)	482 (3.07)	511 (3.04)	400 (12.13)
FIN	57884	0.07	57845	451 (10.83)	494 (5.88)	539 (1.69)	562 (2.41)	. (.)
FRA	734579	0.87	728167	395 (13.03)	445 (9.53)	494 (3.13)	516 (2.98)	392 (13.20)
DEU	884358	5.57	835070	445 (12.07)	479 (8.38)	508 (3.81)	507 (3.68)	369 (13.72)
GRC	105131	0.13	104991	438 (14.64)	462 (11.52)	472 (4.61)	479 (3.83)	364 (15.81)
HUN	107044	0.06	106984	432 (12.93)	454 (9.26)	478 (2.86)	497 (3.19)	383 (15.90)
ISL	3928	0.63	3903	411 (12.42)	439 (7.03)	481 (2.76)	514 (2.44)	411 (19.68)
IRL	54850	1.03	54285	452 (10.43)	471 (7.68)	508 (2.95)	538 (3.09)	426 (10.14)
ITA	481521	0.10	481055	407 (12.82)	435 (7.79)	475 (2.92)	489 (3.59)	354 (14.83)
JPN	1240054	0.10	1238855	431 (12.96)	456 (7.35)	497 (4.37)	515 (3.86)	. (.)
KOR	533504	0.04	533302	487 (11.60)	527 (5.61)	535 (2.98)	542 (4.07)	417 (26.14)
LUX	4080	0.10	4076	447 (8.02)	465 (8.67)	487 (2.25)	483 (2.07)	370 (13.82)
MEX	1071650	0.37	1067674	334 (9.96)	354 (11.74)	388 (4.70)	425 (3.76)	316 (5.83)
NLD	184943	3.15	179120	462 (10.01)	490 (6.14)	520 (2.74)	525 (4.39)	. (.)
NZL	48638	2.06	47637	418 (16.11)	465 (7.50)	517 (2.79)	548 (3.11)	428 (13.53)
NOR	52816	0.77	52407	410 (11.92)	438 (7.83)	490 (3.58)	531 (3.20)	439 (9.47)
POL	534900	.	534900	470 (7.43)	461 (6.91)	497 (3.00)	516 (3.12)	375 (10.73)
PRT	96857	0.23	96637	400 (14.60)	390 (8.71)	468 (3.71)	499 (3.67)	360 (11.72)
SVK	77067	0.03	77043	407 (10.09)	450 (11.08)	470 (2.98)	483 (3.46)	370 (9.23)
ESP	344372	0.07	344114	392 (10.23)	422 (6.73)	479 (2.93)	496 (2.84)	378 (9.79)
SWE	107104	0.25	106838	428 (12.02)	461 (8.99)	503 (2.58)	536 (2.70)	413 (11.27)
CHE	86491	0.14	86370	436 (10.49)	470 (9.35)	505 (3.68)	509 (3.36)	396 (11.59)
TUR	481279	0.03	481137	396 (16.30)	416 (15.92)	448 (8.29)	456 (5.16)	369 (5.71)
GBR	698579	3.63	673214	415 (9.58)	456 (6.91)	496 (2.98)	528 (3.17)	405 (8.93)
USA	3147089	0.76	3123066	425 (10.59)	459 (8.15)	500 (3.22)	509 (3.57)	382 (10.79)
TOT	.	1.33	.	423 (4.06)	459 (3.15)	494 (1.12)	500 (1.34)	364 (3.50)
AVG	.	1.26	.	430 (2.12)	461 (1.69)	496 (0.59)	509 (0.73)	383 (2.22)
HKG	72484	0.21	72334	446 (11.11)	484 (5.24)	512 (3.48)	526 (4.63)	. (.)
IDN	1971476	.	1971476	333 (16.15)	342 (15.33)	380 (3.62)	395 (3.36)	312 (7.27)
LVA	33643	0.22	33570	451 (21.76)	448 (12.22)	481 (3.91)	508 (3.82)	419 (13.16)
LIE	338	.	338	. (.)	. (.)	536 (8.99)	523 (7.85)	. (.)
MAC	6546	.	6546	. (.)	497 (8.03)	496 (2.95)	504 (4.03)	. (.)
RUS	2153373	0.02	2152991	399 (12.72)	405 (10.20)	438 (4.02)	463 (3.62)	373 (7.12)
YUG	68596	0.62	68170	389 (10.19)	398 (8.64)	419 (3.58)	425 (3.89)	343 (4.56)
THA	637076	.	637076	373 (10.19)	371 (9.35)	409 (3.48)	432 (2.81)	361 (14.57)
TUN	150875	0.07	150770	317 (10.68)	330 (9.37)	364 (4.17)	391 (3.07)	328 (5.60)
URY	33775	0.17	33719	372 (14.78)	388 (11.40)	439 (4.67)	453 (3.56)	338 (6.01)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has been a waste of time.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	461 (10.68)	482 (6.31)	517 (2.46)	544 (1.89)	438 (7.09)
AUT	85931	1.08	85003	459 (9.50)	490 (7.76)	508 (3.80)	514 (3.34)	394 (10.32)
BEL	111831	1.79	109825	467 (10.70)	501 (5.03)	541 (2.53)	542 (3.50)	420 (8.19)
CAN	330436	9.70	298375	497 (6.29)	514 (3.96)	534 (1.78)	547 (2.14)	483 (7.18)
CZE	121183	4.11	116203	481 (11.86)	490 (9.61)	519 (3.58)	540 (3.53)	423 (7.60)
DNK	51741	0.65	51406	481 (11.79)	480 (7.86)	505 (3.12)	531 (3.05)	426 (11.91)
FIN	57884	0.07	57845	473 (12.83)	506 (5.90)	541 (1.85)	559 (2.72)	. (.)
FRA	734579	0.87	728167	435 (11.02)	467 (7.36)	513 (2.86)	524 (3.01)	415 (10.99)
DEU	884358	5.57	835070	469 (11.40)	500 (7.51)	520 (3.94)	514 (3.65)	393 (10.52)
GRC	105131	0.13	104991	440 (11.77)	459 (8.19)	446 (4.48)	448 (3.83)	348 (11.74)
HUN	107044	0.06	106984	455 (13.33)	467 (9.33)	488 (2.95)	501 (3.53)	398 (15.15)
ISL	3928	0.63	3903	445 (9.58)	477 (6.25)	506 (2.44)	533 (2.32)	446 (18.07)
IRL	54850	1.03	54285	458 (11.18)	467 (7.39)	499 (2.69)	520 (2.99)	415 (8.46)
ITA	481521	0.10	481055	420 (11.34)	453 (6.41)	468 (2.88)	471 (4.04)	359 (12.81)
JPN	1240054	0.10	1238855	484 (12.00)	499 (6.89)	533 (4.31)	548 (4.18)	. (.)
KOR	533504	0.04	533302	509 (11.72)	537 (5.70)	542 (3.06)	549 (4.47)	470 (22.65)
LUX	4080	0.10	4076	479 (7.04)	480 (7.11)	502 (1.82)	493 (1.80)	414 (11.01)
MEX	1071650	0.37	1067674	325 (8.12)	344 (9.33)	375 (4.34)	407 (3.40)	310 (5.17)
NLD	184943	3.15	179120	492 (10.09)	523 (6.13)	546 (2.94)	548 (4.68)	. (.)
NZL	48638	2.06	47637	447 (11.81)	483 (7.01)	520 (2.26)	544 (3.00)	429 (11.58)
NOR	52816	0.77	52407	440 (9.21)	448 (6.19)	489 (3.01)	517 (2.91)	437 (7.69)
POL	534900	.	534900	471 (7.36)	473 (5.90)	491 (2.70)	504 (3.07)	387 (8.54)
PRT	96857	0.23	96637	414 (15.10)	398 (8.88)	460 (3.50)	482 (3.49)	368 (9.68)
SVK	77067	0.03	77043	451 (9.00)	492 (10.29)	502 (3.61)	507 (3.37)	392 (8.63)
ESP	344372	0.07	344114	427 (9.00)	445 (6.87)	487 (2.79)	494 (2.55)	398 (9.79)
SWE	107104	0.25	106838	432 (10.63)	467 (8.51)	498 (2.54)	528 (3.13)	431 (11.41)
CHE	86491	0.14	86370	479 (10.30)	511 (9.69)	534 (3.95)	532 (3.51)	430 (10.13)
TUR	481279	0.03	481137	394 (16.77)	412 (19.53)	437 (10.03)	435 (6.10)	340 (6.45)
GBR	698579	3.63	673214	434 (8.86)	470 (6.78)	498 (2.98)	527 (3.16)	407 (8.63)
USA	3147089	0.76	3123066	425 (8.46)	461 (7.22)	488 (2.86)	491 (3.55)	396 (8.45)
TOT	.	1.33	.	441 (3.86)	473 (2.89)	498 (1.03)	496 (1.29)	369 (3.13)
AVG	.	1.26	.	454 (2.07)	480 (1.70)	504 (0.57)	510 (0.73)	391 (2.26)
HKG	72484	0.21	72334	482 (14.40)	525 (6.24)	551 (4.27)	570 (5.84)	. (.)
IDN	1971476	.	1971476	311 (16.59)	313 (11.22)	358 (4.35)	374 (4.05)	291 (5.47)
LVA	33643	0.22	33570	457 (21.27)	460 (10.29)	476 (4.11)	497 (4.07)	414 (12.55)
LIE	338	.	338	. (.)	. (.)	548 (7.15)	531 (7.28)	. (.)
MAC	6546	.	6546	. (.)	520 (10.52)	527 (3.79)	533 (5.98)	. (.)
RUS	2153373	0.02	2152991	441 (14.89)	438 (9.17)	463 (4.38)	489 (4.37)	406 (6.05)
YUG	68596	0.62	68170	414 (9.95)	431 (8.16)	443 (4.13)	451 (3.72)	369 (4.67)
THA	637076	.	637076	373 (11.49)	377 (9.13)	410 (3.77)	426 (3.03)	365 (10.46)
TUN	150875	0.07	150770	330 (8.29)	328 (7.37)	352 (3.70)	371 (2.79)	316 (4.04)
URY	33775	0.17	33719	372 (10.47)	384 (7.08)	428 (4.30)	439 (3.38)	331 (5.20)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has been a waste of time.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	455	(10.78)	476	(6.99)	515	(2.38)	548	(2.10)	434	(8.43)
AUT	85931	1.08	85003	438	(9.08)	473	(8.21)	491	(3.80)	501	(3.62)	388	(11.29)
BEL	111831	1.79	109825	439	(10.77)	478	(5.27)	519	(2.44)	524	(3.80)	400	(9.31)
CAN	330436	9.70	298375	480	(7.69)	499	(4.74)	521	(2.08)	534	(2.49)	466	(8.76)
CZE	121183	4.11	116203	485	(12.24)	491	(9.63)	526	(3.62)	545	(3.23)	429	(8.37)
DNK	51741	0.65	51406	447	(11.77)	435	(9.67)	465	(3.32)	493	(3.50)	380	(12.81)
FIN	57884	0.07	57845	461	(13.59)	503	(6.87)	544	(2.06)	566	(2.95)	.	(.)
FRA	734579	0.87	728167	414	(13.78)	462	(9.81)	510	(3.51)	530	(3.51)	405	(15.89)
DEU	884358	5.57	835070	472	(13.99)	498	(8.12)	521	(3.90)	514	(3.95)	384	(12.68)
GRC	105131	0.13	104991	467	(13.61)	489	(10.80)	482	(4.33)	485	(3.85)	394	(13.89)
HUN	107044	0.06	106984	464	(14.95)	484	(9.73)	501	(3.01)	515	(3.60)	410	(16.16)
ISL	3928	0.63	3903	431	(8.80)	450	(7.62)	486	(2.62)	513	(2.36)	444	(17.16)
IRL	54850	1.03	54285	456	(11.29)	461	(7.91)	499	(3.05)	526	(3.41)	417	(9.24)
ITA	481521	0.10	481055	438	(10.88)	459	(8.63)	488	(3.04)	496	(4.07)	363	(13.01)
JPN	1240054	0.10	1238855	491	(13.19)	509	(7.89)	545	(4.77)	564	(4.28)	.	(.)
KOR	533504	0.04	533302	501	(12.92)	532	(6.74)	538	(3.48)	546	(4.76)	458	(22.23)
LUX	4080	0.10	4076	461	(8.50)	472	(8.37)	492	(2.26)	484	(2.30)	381	(13.12)
MEX	1071650	0.37	1067674	361	(10.61)	377	(9.93)	395	(4.12)	424	(3.40)	340	(6.02)
NLD	184943	3.15	179120	467	(10.39)	505	(6.74)	532	(2.94)	534	(5.42)	.	(.)
NZL	48638	2.06	47637	444	(13.70)	483	(7.69)	517	(2.34)	541	(3.48)	433	(12.91)
NOR	52816	0.77	52407	423	(11.06)	430	(8.09)	477	(3.44)	509	(3.33)	421	(9.11)
POL	534900	.	534900	480	(8.14)	476	(7.88)	497	(3.02)	514	(3.65)	396	(10.61)
PRT	96857	0.23	96637	428	(12.76)	399	(8.63)	462	(3.62)	484	(3.49)	360	(12.89)
SVK	77067	0.03	77043	453	(11.04)	474	(21.68)	498	(3.99)	506	(3.53)	395	(10.46)
ESP	344372	0.07	344114	416	(11.68)	442	(7.41)	487	(2.89)	500	(2.82)	380	(10.48)
SWE	107104	0.25	106838	424	(14.00)	460	(10.05)	496	(3.02)	526	(3.41)	420	(12.96)
CHE	86491	0.14	86370	452	(10.86)	490	(9.04)	520	(4.59)	521	(3.62)	410	(11.79)
TUR	481279	0.03	481137	405	(13.20)	420	(16.48)	443	(8.90)	446	(5.48)	367	(5.08)
GBR	698579	3.63	673214	431	(9.67)	472	(7.64)	507	(3.16)	540	(3.35)	409	(10.05)
USA	3147089	0.76	3123066	439	(10.96)	471	(7.71)	495	(3.09)	500	(3.66)	400	(10.57)
TOT	.	1.33	.	446	(3.90)	477	(2.95)	503	(1.13)	505	(1.30)	381	(3.03)
AVG	.	1.26	.	448	(2.05)	474	(1.70)	503	(0.59)	511	(0.71)	394	(1.95)
HKG	72484	0.21	72334	477	(12.69)	517	(5.99)	541	(4.07)	555	(5.57)	.	(.)
IDN	1971476	.	1971476	359	(12.74)	358	(8.05)	393	(3.63)	405	(3.36)	345	(5.25)
LVA	33643	0.22	33570	454	(19.16)	456	(14.51)	482	(4.19)	504	(4.09)	418	(14.01)
LIE	338	.	338	.	(.)	.	(.)	539	(9.62)	520	(7.99)	.	(.)
MAC	6546	.	6546	.	(.)	512	(10.25)	523	(3.99)	536	(5.99)	.	(.)
RUS	2153373	0.02	2152991	460	(16.44)	459	(11.87)	484	(4.27)	511	(4.12)	426	(7.40)
YUG	68596	0.62	68170	420	(9.08)	430	(8.58)	442	(3.94)	446	(4.17)	382	(4.96)
THA	637076	.	637076	393	(10.32)	392	(8.85)	422	(3.29)	438	(2.93)	383	(12.40)
TUN	150875	0.07	150770	349	(10.33)	347	(8.19)	377	(3.84)	397	(2.87)	345	(5.18)
URY	33775	0.17	33719	385	(11.89)	400	(10.49)	443	(4.07)	454	(3.13)	352	(5.46)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has been a waste of time.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	465 (9.68)	487 (6.04)	523 (2.24)	549 (1.91)	442 (7.73)
AUT	85931	1.08	85003	458 (8.17)	489 (7.85)	507 (3.61)	515 (3.34)	397 (9.88)
BEL	111831	1.79	109825	461 (10.83)	493 (5.09)	536 (2.34)	539 (3.52)	414 (8.24)
CAN	330436	9.70	298375	482 (6.78)	507 (3.79)	530 (1.73)	548 (2.18)	483 (6.84)
CZE	121183	4.11	116203	483 (11.68)	489 (9.55)	520 (3.33)	539 (3.41)	426 (8.38)
DNK	51741	0.65	51406	479 (10.77)	479 (8.12)	507 (3.01)	534 (2.80)	428 (11.51)
FIN	57884	0.07	57845	473 (11.63)	504 (6.29)	545 (1.91)	562 (2.52)	. (.)
FRA	734579	0.87	728167	439 (11.21)	476 (7.64)	520 (3.09)	533 (3.18)	431 (11.59)
DEU	884358	5.57	835070	474 (10.19)	505 (7.28)	528 (3.83)	522 (3.52)	406 (10.43)
GRC	105131	0.13	104991	432 (13.43)	454 (10.93)	449 (4.77)	453 (3.83)	355 (13.16)
HUN	107044	0.06	106984	460 (13.58)	474 (9.36)	499 (3.01)	514 (3.74)	409 (15.41)
ISL	3928	0.63	3903	439 (10.05)	465 (6.99)	496 (2.37)	523 (1.95)	423 (20.25)
IRL	54850	1.03	54285	454 (8.78)	464 (7.23)	494 (2.58)	515 (2.87)	415 (8.28)
ITA	481521	0.10	481055	415 (14.17)	448 (8.09)	471 (2.90)	479 (3.75)	336 (16.66)
JPN	1240054	0.10	1238855	491 (12.67)	512 (7.24)	546 (4.39)	561 (4.20)	. (.)
KOR	533504	0.04	533302	521 (10.49)	545 (5.55)	552 (2.95)	554 (4.09)	467 (19.64)
LUX	4080	0.10	4076	473 (7.59)	480 (6.95)	501 (2.31)	495 (2.21)	419 (10.77)
MEX	1071650	0.37	1067674	329 (10.57)	345 (10.45)	375 (5.47)	407 (4.09)	301 (5.92)
NLD	184943	3.15	179120	471 (10.82)	501 (6.31)	527 (3.02)	528 (4.71)	. (.)
NZL	48638	2.06	47637	448 (13.65)	491 (7.53)	531 (2.41)	551 (2.78)	438 (12.10)
NOR	52816	0.77	52407	418 (10.28)	433 (6.89)	482 (3.19)	515 (3.01)	442 (8.00)
POL	534900	.	534900	476 (8.30)	467 (6.60)	488 (2.81)	500 (3.21)	368 (11.57)
PRT	96857	0.23	96637	414 (18.91)	401 (9.09)	465 (3.92)	485 (3.88)	360 (10.69)
SVK	77067	0.03	77043	438 (8.89)	483 (9.81)	495 (3.56)	502 (3.44)	392 (8.12)
ESP	344372	0.07	344114	407 (9.91)	438 (7.33)	483 (2.96)	494 (2.88)	387 (9.54)
SWE	107104	0.25	106838	426 (12.03)	461 (7.85)	498 (2.77)	528 (2.87)	435 (11.04)
CHE	86491	0.14	86370	469 (10.38)	503 (8.25)	527 (3.68)	528 (3.30)	431 (11.74)
TUR	481279	0.03	481137	368 (20.59)	390 (18.42)	418 (9.02)	422 (5.28)	325 (5.72)
GBR	698579	3.63	673214	423 (10.07)	469 (7.04)	500 (2.90)	529 (2.99)	413 (8.72)
USA	3147089	0.76	3123066	414 (9.72)	451 (7.90)	482 (2.96)	487 (3.65)	381 (9.81)
TOT	.	1.33	.	437 (4.13)	470 (2.96)	498 (1.14)	498 (1.31)	361 (3.29)
AVG	.	1.26	.	448 (2.28)	476 (1.71)	504 (0.58)	510 (0.74)	387 (2.33)
HKG	72484	0.21	72334	487 (13.54)	527 (6.39)	549 (4.00)	564 (5.18)	. (.)
IDN	1971476	.	1971476	323 (14.64)	323 (11.08)	360 (3.87)	372 (3.33)	305 (5.04)
LVA	33643	0.22	33570	460 (21.98)	447 (11.59)	475 (4.38)	498 (4.02)	396 (12.08)
LIE	338	.	338	. (.)	. (.)	539 (6.54)	528 (7.00)	. (.)
MAC	6546	.	6546	. (.)	524 (10.54)	532 (3.42)	539 (5.52)	. (.)
RUS	2153373	0.02	2152991	436 (14.10)	445 (10.76)	474 (4.62)	501 (4.85)	406 (7.88)
YUG	68596	0.62	68170	394 (10.18)	417 (8.81)	427 (3.74)	433 (3.19)	353 (5.15)
THA	637076	.	637076	386 (13.35)	392 (7.53)	418 (3.56)	434 (2.79)	367 (12.30)
TUN	150875	0.07	150770	300 (8.86)	305 (8.59)	334 (3.14)	359 (2.37)	309 (4.59)
URY	33775	0.17	33719	355 (12.39)	375 (9.25)	419 (4.63)	427 (4.21)	307 (6.07)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has helped give me confidence to make decisions.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	20.01 (0.44)	62.29 (0.59)	12.79 (0.43)	3.00 (0.22)	1.91 (0.21)
AUT	85931	1.08	85003	16.24 (0.58)	46.81 (0.72)	24.54 (0.69)	10.85 (0.52)	1.57 (0.23)
BEL	111831	1.79	109825	10.37 (0.47)	50.83 (0.72)	26.88 (0.58)	9.06 (0.38)	2.85 (0.26)
CAN	330436	9.70	298375	14.28 (0.40)	57.16 (0.56)	19.98 (0.42)	5.70 (0.24)	2.88 (0.20)
CZE	121183	4.11	116203	12.31 (0.57)	58.96 (0.84)	20.70 (0.73)	5.24 (0.31)	2.79 (0.24)
DNK	51741	0.65	51406	13.64 (0.65)	56.63 (0.91)	20.82 (0.65)	6.36 (0.43)	2.55 (0.26)
FIN	57884	0.07	57845	10.16 (0.44)	68.09 (0.65)	17.98 (0.53)	3.19 (0.24)	0.58 (0.10)
FRA	734579	0.87	728167	13.54 (0.61)	53.04 (0.98)	21.10 (0.76)	10.04 (0.54)	2.28 (0.27)
DEU	884358	5.57	835070	15.24 (0.56)	39.90 (0.81)	30.10 (0.75)	12.79 (0.53)	1.98 (0.30)
GRC	105131	0.13	104991	22.73 (0.84)	53.47 (0.75)	17.04 (0.83)	4.65 (0.28)	2.11 (0.26)
HUN	107044	0.06	106984	11.91 (0.56)	53.11 (0.83)	25.88 (0.84)	7.66 (0.38)	1.44 (0.19)
ISL	3928	0.63	3903	9.95 (0.50)	52.66 (0.85)	25.57 (0.80)	10.53 (0.51)	1.28 (0.19)
IRL	54850	1.03	54285	17.16 (0.60)	60.04 (0.82)	15.59 (0.55)	4.43 (0.38)	2.78 (0.25)
ITA	481521	0.10	481055	14.28 (0.61)	58.73 (0.71)	18.14 (0.60)	6.91 (0.47)	1.94 (0.26)
JPN	1240054	0.10	1238855	8.42 (0.37)	43.50 (0.76)	36.73 (0.64)	10.52 (0.44)	0.83 (0.16)
KOR	533504	0.04	533302	7.95 (0.41)	57.66 (0.68)	28.05 (0.72)	5.45 (0.37)	0.88 (0.16)
LUX	4080	0.10	4076	14.10 (0.50)	38.15 (0.85)	28.60 (0.72)	17.04 (0.58)	2.11 (0.24)
MEX	1071650	0.37	1067674	40.31 (0.74)	44.33 (0.81)	3.86 (0.32)	2.31 (0.20)	9.18 (0.72)
NLD	184943	3.17	179076	7.80 (0.52)	56.54 (1.12)	28.37 (0.88)	6.30 (0.44)	0.99 (0.25)
NZL	48638	1.86	47731	16.43 (0.60)	63.30 (0.90)	15.30 (0.61)	3.94 (0.32)	1.03 (0.16)
NOR	52816	0.77	52407	9.09 (0.50)	52.41 (0.82)	26.87 (0.71)	7.78 (0.45)	3.84 (0.35)
POL	534900	.	534900	18.66 (0.69)	55.50 (0.92)	17.64 (0.70)	5.70 (0.37)	2.50 (0.32)
PRT	96857	0.23	96637	18.93 (0.79)	65.50 (0.90)	10.54 (0.63)	3.23 (0.24)	1.80 (0.22)
SVK	77067	0.03	77043	13.19 (0.45)	62.32 (0.64)	17.71 (0.60)	3.24 (0.24)	3.55 (0.34)
ESP	344372	0.07	344114	16.74 (0.56)	60.66 (0.82)	15.48 (0.56)	5.02 (0.39)	2.10 (0.23)
SWE	107104	0.25	106838	9.83 (0.47)	54.61 (0.79)	25.12 (0.69)	7.66 (0.46)	2.79 (0.32)
CHE	86491	0.14	86370	17.01 (0.64)	46.27 (1.03)	23.62 (0.64)	10.30 (0.66)	2.81 (0.28)
TUR	481279	0.03	481137	29.64 (0.96)	47.29 (1.01)	10.50 (0.62)	4.44 (0.40)	8.13 (0.73)
GBR	698579	3.63	673214	16.58 (0.54)	60.51 (0.69)	16.54 (0.56)	4.67 (0.36)	1.70 (0.18)
USA	3147089	0.76	3123066	18.70 (0.64)	58.91 (0.69)	15.64 (0.63)	4.75 (0.31)	2.00 (0.23)
TOT	.	1.33	.	17.93 (0.20)	53.46 (0.25)	19.48 (0.21)	6.36 (0.13)	2.78 (0.09)
AVG	.	1.26	.	15.52 (0.11)	54.64 (0.14)	20.57 (0.13)	6.76 (0.08)	2.51 (0.05)
HKG	72484	0.21	72334	6.19 (0.35)	59.35 (0.96)	30.09 (0.85)	4.04 (0.33)	0.33 (.)
IDN	1971476	.	1971476	38.72 (0.99)	50.97 (1.01)	3.43 (0.27)	1.60 (0.17)	5.27 (0.46)
LVA	33643	0.22	33570	13.57 (0.63)	66.91 (0.99)	14.45 (0.54)	2.49 (0.24)	2.59 (0.31)
LIE	338	.	338	17.01 (2.19)	43.91 (3.22)	24.68 (2.22)	12.24 (1.81)	2.15 (.)
MAC	6546	.	6546	8.20 (1.06)	61.28 (1.68)	25.66 (1.54)	4.31 (0.71)	0.55 (.)
RUS	2153373	0.02	2152991	20.77 (0.72)	61.91 (0.80)	10.69 (0.64)	2.41 (0.27)	4.21 (0.36)
YUG	68596	0.54	68226	25.18 (0.90)	49.80 (0.85)	13.28 (0.70)	3.32 (0.36)	8.43 (0.64)
THA	637076	.	637076	30.75 (0.98)	63.03 (1.00)	3.54 (0.36)	1.39 (0.18)	1.28 (0.17)
TUN	150875	0.07	150770	45.50 (0.96)	38.04 (0.77)	6.03 (0.42)	2.79 (0.28)	7.64 (0.48)
URY	33775	0.17	33719	23.29 (0.83)	58.14 (1.02)	9.36 (0.56)	3.28 (0.26)	5.92 (0.41)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has helped give me confidence to make decisions.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	528	(3.63)	530	(2.01)	522	(4.89)	505	(6.63)	429	(7.97)
AUT	85931	1.08	85003	465	(5.25)	503	(3.51)	506	(4.96)	481	(5.84)	392	(11.49)
BEL	111831	1.79	109825	456	(6.81)	519	(2.79)	530	(3.60)	505	(5.15)	380	(11.72)
CAN	330436	9.70	298375	524	(3.12)	536	(1.78)	535	(2.46)	515	(5.21)	491	(5.70)
CZE	121183	4.11	116203	476	(5.01)	500	(2.85)	507	(4.49)	500	(5.14)	407	(7.95)
DNK	51741	0.65	51406	482	(6.07)	498	(3.11)	498	(4.35)	479	(5.93)	428	(14.69)
FIN	57884	0.07	57845	545	(4.04)	547	(1.92)	535	(3.22)	526	(7.26)	424	(25.13)
FRA	734579	0.87	728167	481	(5.30)	504	(3.21)	510	(4.18)	479	(5.47)	394	(13.06)
DEU	884358	5.57	835070	468	(6.31)	503	(3.84)	522	(4.00)	506	(6.21)	355	(13.82)
GRC	105131	0.13	104991	454	(4.27)	477	(4.10)	492	(6.34)	483	(8.19)	359	(17.34)
HUN	107044	0.06	106984	452	(4.83)	481	(3.11)	498	(3.63)	495	(7.10)	392	(17.10)
ISL	3928	0.63	3903	487	(5.72)	501	(2.29)	489	(3.69)	474	(5.55)	412	(18.13)
IRL	54850	1.03	54285	511	(4.62)	520	(2.70)	523	(3.86)	493	(8.36)	427	(11.69)
ITA	481521	0.10	481055	459	(4.68)	480	(3.14)	487	(3.91)	481	(5.36)	356	(17.68)
JPN	1240054	0.10	1238855	488	(6.77)	500	(4.06)	505	(4.25)	484	(7.23)	388	(30.59)
KOR	533504	0.04	533302	537	(5.76)	533	(3.13)	542	(3.71)	525	(6.28)	412	(26.25)
LUX	4080	0.10	4076	436	(4.31)	480	(2.47)	507	(3.06)	485	(3.80)	346	(13.57)
MEX	1071650	0.37	1067674	410	(3.88)	409	(4.49)	399	(11.83)	389	(11.61)	315	(5.97)
NLD	184943	3.17	179076	488	(5.68)	524	(2.56)	518	(4.09)	502	(7.00)	465	(23.90)
NZL	48638	1.86	47731	512	(5.53)	530	(2.43)	523	(4.71)	504	(9.25)	424	(18.65)
NOR	52816	0.77	52407	499	(5.98)	511	(2.94)	503	(3.81)	454	(7.20)	438	(10.66)
POL	534900	.	534900	480	(3.64)	501	(2.99)	517	(4.67)	505	(7.70)	359	(11.54)
PRT	96857	0.23	96637	463	(6.28)	484	(3.56)	486	(5.47)	469	(8.59)	371	(13.29)
SVK	77067	0.03	77043	434	(5.84)	474	(3.11)	494	(3.87)	482	(7.07)	375	(10.48)
ESP	344372	0.07	344114	464	(4.19)	490	(2.67)	485	(4.16)	449	(8.78)	377	(8.16)
SWE	107104	0.25	106838	505	(5.93)	523	(2.59)	517	(3.27)	494	(7.09)	428	(11.61)
CHE	86491	0.14	86370	479	(4.27)	507	(3.40)	513	(4.12)	492	(6.27)	392	(14.93)
TUR	481279	0.03	481137	444	(5.51)	449	(6.19)	458	(10.39)	449	(11.79)	356	(5.92)
GBR	698579	3.63	673214	500	(4.84)	513	(2.82)	509	(4.12)	476	(7.79)	406	(12.55)
USA	3147089	0.76	3123066	480	(4.82)	503	(3.32)	506	(5.21)	479	(7.63)	372	(14.87)
TOT	.	1.33	.	466	(1.84)	496	(1.28)	508	(1.61)	484	(2.46)	361	(4.10)
AVG	.	1.26	.	474	(1.06)	502	(0.68)	509	(0.84)	487	(1.18)	384	(2.37)
HKG	72484	0.21	72334	503	(6.26)	510	(4.20)	515	(3.64)	489	(8.81)	.	(.)
IDN	1971476	.	1971476	380	(2.99)	389	(4.04)	404	(8.70)	372	(12.36)	306	(8.85)
LVA	33643	0.22	33570	485	(6.54)	496	(3.68)	484	(5.84)	481	(9.96)	418	(12.05)
LIE	338	.	338	478	(11.28)	530	(6.88)	546	(9.41)	546	(13.39)	.	(.)
MAC	6546	.	6546	479	(12.85)	498	(2.45)	506	(5.33)	492	(13.04)	.	(.)
RUS	2153373	0.02	2152991	432	(5.07)	448	(3.27)	457	(7.92)	455	(14.97)	369	(9.82)
YUG	68596	0.54	68226	403	(3.91)	421	(3.67)	437	(4.89)	437	(8.27)	336	(5.98)
THA	637076	.	637076	417	(3.55)	423	(3.15)	420	(9.12)	406	(10.41)	379	(13.21)
TUN	150875	0.07	150770	381	(3.16)	385	(3.40)	357	(8.35)	362	(10.15)	308	(5.49)
URY	33775	0.17	33719	414	(4.93)	447	(3.95)	464	(7.06)	433	(10.65)	339	(7.80)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has helped give me confidence to make decisions.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	524	(2.86)	528	(2.10)	525	(4.81)	513	(6.59)	434	(8.11)
AUT	85931	1.08	85003	479	(5.19)	517	(3.27)	518	(4.60)	497	(5.25)	414	(10.83)
BEL	111831	1.79	109825	476	(5.63)	540	(2.65)	553	(3.26)	528	(4.20)	425	(9.63)
CAN	330436	9.70	298375	525	(2.93)	538	(1.78)	544	(2.51)	532	(4.40)	499	(6.04)
CZE	121183	4.11	116203	499	(4.38)	527	(3.36)	534	(4.93)	536	(5.49)	424	(8.86)
DNK	51741	0.65	51406	499	(5.20)	520	(3.01)	524	(3.83)	499	(5.71)	451	(12.52)
FIN	57884	0.07	57845	542	(4.60)	547	(1.93)	540	(3.16)	535	(7.88)	446	(18.69)
FRA	734579	0.87	728167	491	(5.76)	519	(2.82)	524	(3.20)	501	(5.22)	416	(12.00)
DEU	884358	5.57	835070	475	(5.54)	515	(3.61)	530	(3.94)	518	(5.76)	386	(11.23)
GRC	105131	0.13	104991	421	(3.79)	450	(4.27)	471	(5.43)	462	(5.93)	345	(11.99)
HUN	107044	0.06	106984	457	(4.57)	489	(3.40)	508	(4.02)	503	(5.95)	404	(16.95)
ISL	3928	0.63	3903	509	(5.17)	522	(2.07)	513	(3.29)	502	(5.16)	440	(16.22)
IRL	54850	1.03	54285	490	(4.61)	508	(2.49)	515	(4.10)	486	(7.93)	425	(9.30)
ITA	481521	0.10	481055	442	(4.26)	468	(3.40)	483	(3.72)	482	(4.64)	368	(13.33)
JPN	1240054	0.10	1238855	522	(7.31)	535	(4.37)	541	(4.24)	526	(6.77)	452	(23.70)
KOR	533504	0.04	533302	542	(6.43)	540	(3.44)	551	(3.90)	536	(6.66)	462	(21.17)
LUX	4080	0.10	4076	452	(3.91)	494	(2.40)	518	(2.80)	497	(3.32)	393	(11.89)
MEX	1071650	0.37	1067674	393	(3.35)	394	(4.08)	385	(9.51)	377	(9.16)	308	(6.16)
NLD	184943	3.17	179076	507	(6.87)	549	(2.69)	545	(4.16)	525	(7.84)	499	(22.03)
NZL	48638	1.86	47731	506	(4.69)	532	(2.34)	527	(4.16)	519	(7.62)	427	(15.65)
NOR	52816	0.77	52407	487	(6.03)	502	(2.68)	501	(3.24)	467	(5.19)	435	(8.37)
POL	534900	.	534900	470	(3.80)	495	(2.54)	511	(3.73)	498	(6.58)	380	(10.06)
PRT	96857	0.23	96637	451	(5.40)	471	(3.29)	477	(4.84)	467	(7.36)	382	(10.54)
SVK	77067	0.03	77043	456	(6.45)	503	(3.34)	529	(3.94)	521	(6.91)	402	(9.78)
ESP	344372	0.07	344114	462	(4.04)	493	(2.50)	497	(3.80)	468	(6.48)	400	(8.71)
SWE	107104	0.25	106838	497	(5.91)	516	(2.72)	511	(3.16)	493	(6.92)	450	(12.10)
CHE	86491	0.14	86370	504	(4.57)	535	(3.47)	542	(4.80)	519	(5.20)	428	(11.82)
TUR	481279	0.03	481137	420	(6.34)	432	(7.42)	453	(12.49)	448	(13.54)	330	(5.94)
GBR	698579	3.63	673214	496	(4.85)	513	(2.73)	515	(4.03)	491	(7.79)	416	(11.51)
USA	3147089	0.76	3123066	463	(4.80)	490	(3.07)	494	(4.21)	476	(6.62)	390	(12.00)
TOT	.	1.33	.	458	(1.79)	496	(1.19)	517	(1.34)	498	(2.30)	369	(3.81)
AVG	.	1.26	.	471	(0.99)	507	(0.67)	520	(0.82)	501	(1.17)	396	(2.43)
HKG	72484	0.21	72334	548	(8.23)	552	(5.07)	552	(4.46)	529	(10.30)	.	(.)
IDN	1971476	.	1971476	354	(3.44)	371	(4.74)	382	(10.35)	353	(10.79)	288	(5.73)
LVA	33643	0.22	33570	477	(6.68)	489	(3.71)	475	(5.44)	479	(10.37)	416	(12.90)
LIE	338	.	338	488	(13.88)	543	(7.28)	550	(10.67)	566	(12.97)	.	(.)
MAC	6546	.	6546	513	(16.53)	526	(3.82)	539	(5.19)	516	(19.15)	.	(.)
RUS	2153373	0.02	2152991	459	(5.82)	472	(3.66)	486	(7.11)	489	(15.46)	402	(7.99)
YUG	68596	0.54	68226	425	(3.77)	447	(3.96)	465	(5.19)	459	(7.87)	364	(5.56)
THA	637076	.	637076	410	(3.96)	422	(3.29)	421	(8.91)	400	(12.35)	374	(11.75)
TUN	150875	0.07	150770	361	(2.51)	369	(3.33)	351	(7.36)	359	(9.31)	301	(4.27)
URY	33775	0.17	33719	403	(4.91)	433	(3.27)	457	(6.06)	432	(8.42)	334	(5.61)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has helped give me confidence to make decisions.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	527	(3.16)	529	(2.14)	523	(5.32)	506	(7.45)	436	(8.95)
AUT	85931	1.08	85003	466	(5.73)	501	(3.35)	505	(4.64)	481	(5.44)	404	(9.70)
BEL	111831	1.79	109825	463	(6.21)	519	(2.70)	529	(3.48)	507	(4.64)	399	(10.77)
CAN	330436	9.70	298375	507	(3.43)	525	(2.07)	533	(2.76)	519	(5.48)	482	(7.15)
CZE	121183	4.11	116203	504	(5.30)	532	(3.05)	541	(5.34)	542	(6.05)	434	(9.63)
DNK	51741	0.65	51406	465	(6.22)	480	(3.48)	486	(4.36)	459	(6.38)	405	(14.86)
FIN	57884	0.07	57845	553	(5.21)	551	(2.18)	541	(3.43)	540	(8.94)	437	(20.47)
FRA	734579	0.87	728167	490	(6.45)	520	(3.81)	527	(4.24)	496	(6.26)	407	(14.72)
DEU	884358	5.57	835070	473	(6.43)	513	(4.09)	532	(4.28)	523	(6.12)	373	(13.04)
GRC	105131	0.13	104991	459	(4.12)	485	(3.99)	502	(5.99)	499	(8.02)	398	(14.03)
HUN	107044	0.06	106984	474	(4.87)	501	(3.34)	521	(4.16)	524	(7.01)	412	(17.02)
ISL	3928	0.63	3903	488	(5.53)	501	(2.45)	495	(3.45)	483	(5.72)	436	(15.83)
IRL	54850	1.03	54285	498	(4.92)	509	(2.82)	517	(4.18)	489	(8.17)	421	(9.99)
ITA	481521	0.10	481055	466	(5.07)	488	(3.37)	504	(4.14)	505	(5.74)	372	(13.31)
JPN	1240054	0.10	1238855	539	(7.21)	550	(4.38)	553	(4.59)	537	(7.49)	476	(25.33)
KOR	533504	0.04	533302	539	(7.17)	536	(3.79)	548	(4.35)	532	(7.49)	453	(21.55)
LUX	4080	0.10	4076	439	(4.28)	485	(2.66)	507	(3.50)	488	(4.10)	357	(12.53)
MEX	1071650	0.37	1067674	412	(3.38)	412	(3.94)	398	(9.23)	406	(9.75)	339	(6.44)
NLD	184943	3.17	179076	490	(7.34)	535	(2.95)	530	(4.95)	512	(7.87)	475	(23.78)
NZL	48638	1.86	47731	500	(5.49)	528	(2.37)	528	(4.64)	522	(8.31)	433	(17.56)
NOR	52816	0.77	52407	474	(6.84)	493	(2.98)	490	(4.03)	454	(6.91)	421	(10.21)
POL	534900	.	534900	475	(4.13)	501	(2.99)	524	(4.65)	508	(8.36)	387	(11.81)
PRT	96857	0.23	96637	451	(6.31)	473	(3.28)	482	(5.62)	470	(9.19)	377	(13.44)
SVK	77067	0.03	77043	456	(6.81)	498	(3.66)	526	(4.18)	522	(7.37)	401	(12.72)
ESP	344372	0.07	344114	469	(4.26)	495	(2.70)	495	(4.42)	466	(7.81)	388	(9.50)
SWE	107104	0.25	106838	493	(5.97)	513	(3.06)	511	(3.70)	488	(7.58)	439	(13.66)
CHE	86491	0.14	86370	490	(5.47)	523	(3.83)	528	(4.72)	503	(6.27)	408	(12.73)
TUR	481279	0.03	481137	433	(5.82)	441	(6.53)	458	(11.14)	450	(13.13)	360	(6.19)
GBR	698579	3.63	673214	510	(4.91)	524	(2.97)	523	(4.87)	495	(8.41)	416	(13.39)
USA	3147089	0.76	3123066	472	(4.92)	498	(3.26)	506	(4.80)	485	(6.68)	398	(14.69)
TOT	.	1.33	.	467	(1.84)	502	(1.24)	523	(1.54)	503	(2.34)	382	(3.69)
AVG	.	1.26	.	475	(1.12)	506	(0.69)	518	(0.85)	498	(1.29)	397	(1.96)
HKG	72484	0.21	72334	533	(8.60)	540	(4.79)	544	(4.21)	519	(9.31)	.	(.)
IDN	1971476	.	1971476	393	(2.85)	401	(4.03)	413	(8.13)	388	(9.79)	343	(5.40)
LVA	33643	0.22	33570	484	(7.39)	495	(3.80)	485	(5.33)	482	(11.16)	416	(13.84)
LIE	338	.	338	477	(13.51)	529	(7.47)	546	(12.17)	554	(15.58)	.	(.)
MAC	6546	.	6546	520	(15.48)	524	(3.83)	535	(6.40)	501	(18.49)	.	(.)
RUS	2153373	0.02	2152991	481	(5.75)	493	(3.51)	506	(8.33)	512	(16.21)	421	(10.19)
YUG	68596	0.54	68226	427	(3.69)	443	(3.75)	464	(5.28)	463	(7.47)	376	(5.83)
THA	637076	.	637076	422	(3.47)	433	(3.06)	435	(9.67)	421	(12.16)	395	(11.81)
TUN	150875	0.07	150770	391	(2.71)	392	(3.48)	370	(8.32)	380	(9.93)	325	(5.65)
URY	33775	0.17	33719	419	(4.04)	450	(3.16)	468	(6.35)	443	(11.94)	356	(7.58)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has helped give me confidence to make decisions.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (3.12)	534 (1.84)	529 (4.55)	514 (6.11)	438 (8.19)
AUT	85931	1.08	85003	483 (4.74)	517 (3.18)	518 (4.37)	495 (5.13)	413 (11.19)
BEL	111831	1.79	109825	478 (5.73)	536 (2.48)	546 (3.28)	521 (4.96)	419 (10.23)
CAN	330436	9.70	298375	525 (2.90)	537 (1.75)	538 (2.33)	522 (4.61)	496 (6.10)
CZE	121183	4.11	116203	500 (4.24)	527 (3.30)	534 (4.64)	531 (5.76)	428 (10.20)
DNK	51741	0.65	51406	505 (5.56)	522 (2.88)	525 (3.70)	499 (5.76)	448 (13.56)
FIN	57884	0.07	57845	546 (4.54)	551 (2.01)	541 (3.36)	537 (8.12)	466 (20.92)
FRA	734579	0.87	728167	499 (5.45)	527 (3.18)	533 (3.39)	507 (5.29)	427 (12.71)
DEU	884358	5.57	835070	485 (5.55)	521 (3.55)	538 (3.79)	526 (5.60)	399 (10.89)
GRC	105131	0.13	104991	424 (4.38)	454 (3.96)	473 (6.12)	462 (7.30)	355 (15.42)
HUN	107044	0.06	106984	465 (4.78)	500 (3.41)	520 (3.88)	515 (5.98)	416 (18.10)
ISL	3928	0.63	3903	501 (4.74)	512 (2.07)	502 (2.91)	492 (4.89)	427 (17.23)
IRL	54850	1.03	54285	490 (4.28)	502 (2.45)	511 (3.54)	482 (7.38)	420 (8.92)
ITA	481521	0.10	481055	447 (4.79)	473 (3.22)	485 (3.71)	481 (5.44)	345 (17.52)
JPN	1240054	0.10	1238855	533 (7.60)	548 (4.48)	555 (4.22)	535 (6.95)	456 (29.80)
KOR	533504	0.04	533302	545 (6.58)	548 (3.20)	561 (3.82)	547 (6.44)	457 (18.45)
LUX	4080	0.10	4076	454 (4.41)	495 (2.47)	517 (3.03)	495 (3.44)	399 (12.09)
MEX	1071650	0.37	1067674	394 (3.91)	394 (4.84)	388 (12.01)	369 (10.76)	299 (6.36)
NLD	184943	3.17	179076	490 (6.71)	530 (2.91)	525 (4.37)	501 (7.54)	472 (22.76)
NZL	48638	1.86	47731	514 (4.57)	541 (2.25)	539 (4.83)	528 (8.56)	437 (15.78)
NOR	52816	0.77	52407	486 (5.89)	498 (2.79)	495 (3.61)	452 (6.92)	441 (8.91)
POL	534900	.	534900	469 (3.88)	491 (2.69)	507 (3.84)	494 (7.37)	355 (13.88)
PRT	96857	0.23	96637	449 (6.13)	476 (3.67)	486 (5.47)	473 (8.70)	373 (11.26)
SVK	77067	0.03	77043	450 (6.57)	497 (3.28)	520 (4.07)	512 (6.63)	401 (9.49)
ESP	344372	0.07	344114	458 (4.43)	491 (2.83)	493 (4.41)	460 (7.28)	391 (8.87)
SWE	107104	0.25	106838	499 (5.60)	515 (2.51)	510 (3.26)	491 (6.80)	451 (10.81)
CHE	86491	0.14	86370	501 (4.50)	529 (3.07)	536 (4.05)	513 (5.40)	432 (14.18)
TUR	481279	0.03	481137	407 (6.06)	417 (6.46)	433 (10.76)	428 (12.14)	311 (6.25)
GBR	698579	3.63	673214	497 (4.45)	515 (2.83)	517 (4.07)	487 (7.95)	419 (11.50)
USA	3147089	0.76	3123066	459 (4.98)	485 (3.22)	489 (4.84)	470 (7.36)	375 (12.42)
TOT	.	1.33	.	458 (1.89)	496 (1.23)	520 (1.51)	498 (2.29)	361 (4.08)
AVG	.	1.26	.	472 (1.07)	507 (0.66)	520 (0.81)	499 (1.18)	391 (2.71)
HKG	72484	0.21	72334	540 (8.31)	548 (4.74)	553 (4.01)	530 (9.94)	. (.)
IDN	1971476	.	1971476	355 (2.83)	370 (4.05)	385 (9.12)	359 (9.91)	303 (5.40)
LVA	33643	0.22	33570	475 (6.84)	489 (3.93)	478 (6.14)	479 (10.37)	396 (11.48)
LIE	338	.	338	485 (12.70)	539 (6.95)	541 (10.52)	551 (12.41)	. (.)
MAC	6546	.	6546	518 (13.89)	531 (3.28)	543 (5.25)	522 (17.18)	. (.)
RUS	2153373	0.02	2152991	468 (6.31)	483 (4.19)	498 (7.38)	491 (15.96)	406 (9.39)
YUG	68596	0.54	68226	411 (3.57)	430 (3.42)	445 (5.24)	439 (8.82)	346 (5.51)
THA	637076	.	637076	420 (3.83)	428 (3.18)	427 (9.97)	413 (10.76)	380 (12.95)
TUN	150875	0.07	150770	349 (2.43)	352 (2.75)	335 (7.90)	330 (9.72)	294 (5.33)
URY	33775	0.17	33719	389 (5.74)	423 (3.98)	447 (7.26)	425 (8.47)	312 (6.31)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has taught me things which could be useful in a job.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	42.53	(0.58)	48.47	(0.53)	6.01	(0.24)	1.84	(0.15)	1.15	(0.18)
AUT	85931	1.08	85003	51.15	(0.90)	33.71	(0.92)	9.41	(0.52)	4.91	(0.38)	0.82	(0.16)
BEL	111831	1.79	109825	40.18	(0.72)	48.33	(0.66)	7.14	(0.31)	2.55	(0.22)	1.80	(0.18)
CAN	330436	9.70	298375	39.40	(0.55)	47.76	(0.48)	7.39	(0.28)	2.95	(0.16)	2.50	(0.25)
CZE	121183	4.11	116203	43.57	(0.78)	46.83	(0.75)	5.51	(0.36)	2.73	(0.27)	1.36	(0.16)
DNK	51741	0.65	51406	32.01	(0.86)	51.85	(0.88)	9.94	(0.50)	4.10	(0.29)	2.10	(0.26)
FIN	57884	0.07	57845	46.39	(0.73)	48.21	(0.68)	3.56	(0.28)	1.46	(0.20)	0.38	(.)
FRA	734579	0.87	728167	54.23	(0.85)	37.69	(0.77)	4.31	(0.34)	2.43	(0.27)	1.34	(0.19)
DEU	884358	5.57	835070	52.30	(0.93)	35.51	(0.86)	7.37	(0.41)	3.18	(0.27)	1.64	(0.27)
GRC	105131	0.13	104991	45.25	(0.91)	43.10	(1.02)	6.85	(0.41)	3.36	(0.32)	1.45	(0.22)
HUN	107044	0.06	106984	39.11	(0.98)	52.24	(0.97)	5.38	(0.39)	2.44	(0.26)	0.83	(0.16)
ISL	3928	0.63	3903	39.01	(0.77)	46.19	(0.77)	9.44	(0.54)	4.58	(0.37)	0.78	(.)
IRL	54850	1.03	54285	43.06	(0.89)	46.56	(0.86)	6.25	(0.44)	2.76	(0.29)	1.37	(0.20)
ITA	481521	0.10	481055	42.51	(0.73)	46.68	(0.72)	6.23	(0.35)	3.53	(0.28)	1.04	(0.16)
JPN	1240054	0.10	1238855	10.85	(0.45)	48.85	(0.87)	30.56	(0.71)	9.03	(0.48)	0.71	(0.16)
KOR	533504	0.04	533302	13.61	(0.52)	57.28	(0.64)	23.37	(0.66)	4.86	(0.34)	0.88	(0.14)
LUX	4080	0.10	4076	47.50	(0.84)	38.77	(0.73)	8.45	(0.43)	3.87	(0.27)	1.41	(0.19)
MEX	1071650	0.37	1067674	61.03	(1.00)	29.09	(0.82)	2.10	(0.20)	3.50	(0.28)	4.27	(0.41)
NLD	184943	3.16	179099	34.39	(0.84)	57.34	(0.87)	5.87	(0.41)	1.75	(0.29)	0.65	(.)
NZL	48638	1.80	47761	41.47	(0.76)	48.38	(0.83)	6.70	(0.37)	2.87	(0.26)	0.57	(.)
NOR	52816	0.77	52407	29.86	(0.76)	51.96	(0.89)	10.45	(0.57)	4.42	(0.34)	3.31	(0.38)
POL	534900	.	534900	30.08	(0.81)	48.67	(0.86)	13.39	(0.55)	6.01	(0.40)	1.85	(0.24)
PRT	96857	0.23	96637	50.93	(0.97)	41.62	(0.87)	4.87	(0.40)	1.58	(0.20)	1.01	(0.17)
SVK	77067	0.03	77043	42.92	(0.99)	50.08	(0.95)	3.97	(0.28)	1.69	(0.17)	1.34	(0.15)
ESP	344372	0.07	344114	47.90	(0.89)	43.14	(0.82)	4.91	(0.29)	2.62	(0.22)	1.44	(0.19)
SWE	107104	0.25	106838	40.53	(0.84)	50.68	(0.83)	5.45	(0.33)	2.04	(0.21)	1.30	(0.17)
CHE	86491	0.14	86370	54.77	(0.98)	31.94	(0.79)	7.06	(0.46)	4.23	(0.35)	1.99	(0.27)
TUR	481279	0.06	480981	39.80	(0.98)	42.22	(0.92)	9.40	(0.68)	3.54	(0.35)	5.04	(0.76)
GBR	698579	3.63	673214	38.37	(0.81)	49.08	(0.75)	8.51	(0.42)	2.90	(0.25)	1.14	(0.13)
USA	3147089	0.76	3123066	41.81	(0.89)	47.63	(0.85)	6.16	(0.37)	2.67	(0.21)	1.74	(0.24)
TOT	.	1.33	.	39.96	(0.28)	44.80	(0.27)	9.68	(0.15)	3.75	(0.09)	1.81	(0.09)
AVG	.	1.25	.	41.20	(0.16)	45.66	(0.15)	8.21	(0.09)	3.35	(0.06)	1.57	(0.05)
HKG	72484	0.21	72334	16.05	(0.63)	66.88	(0.71)	14.35	(0.51)	2.46	(0.22)	0.26	(.)
IDN	1971476	.	1971476	65.13	(0.75)	28.62	(0.68)	1.35	(0.16)	1.72	(0.17)	3.18	(0.34)
LVA	33643	0.22	33570	46.93	(1.22)	44.33	(1.06)	4.52	(0.36)	3.22	(0.29)	1.01	(0.19)
LIE	338	.	338	51.86	(2.70)	33.94	(2.58)	8.46	(.)	3.91	(.)	1.84	(.)
MAC	6546	.	6546	23.61	(1.43)	62.72	(1.51)	10.38	(0.93)	3.03	(.)	0.27	(.)
RUS	2153373	0.02	2152991	38.75	(0.84)	48.99	(0.69)	6.35	(0.43)	3.52	(0.29)	2.39	(0.24)
YUG	68596	0.56	68211	47.84	(0.92)	43.03	(0.94)	3.79	(0.32)	1.81	(0.23)	3.53	(0.34)
THA	637076	.	637076	58.52	(0.96)	37.38	(0.95)	1.44	(0.16)	2.04	(0.21)	0.62	(0.10)
TUN	150875	0.07	150770	63.82	(0.88)	26.68	(0.81)	2.65	(0.28)	2.92	(0.24)	3.94	(0.33)
URY	33775	0.17	33719	45.68	(0.91)	42.60	(0.89)	4.71	(0.38)	2.62	(0.24)	4.39	(0.31)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has taught me things which could be useful in a job.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (2.38)	526 (2.36)	512 (7.00)	499 (8.59)	430 (11.88)
AUT	85931	1.08	85003	489 (3.80)	506 (3.91)	500 (7.39)	459 (8.50)	373 (18.78)
BEL	111831	1.79	109825	496 (3.79)	525 (3.01)	532 (5.38)	484 (8.87)	387 (13.66)
CAN	330436	9.70	298375	534 (2.34)	535 (1.70)	522 (3.72)	500 (5.57)	488 (7.89)
CZE	121183	4.11	116203	496 (3.06)	501 (3.11)	494 (6.94)	464 (9.09)	384 (14.47)
DNK	51741	0.65	51406	491 (3.57)	499 (3.18)	483 (4.88)	475 (8.37)	433 (15.04)
FIN	57884	0.07	57845	551 (2.19)	540 (1.94)	519 (6.51)	505 (12.95)	. (.)
FRA	734579	0.87	728167	501 (3.10)	500 (3.12)	477 (9.67)	453 (11.55)	399 (14.66)
DEU	884358	5.57	835070	493 (3.92)	518 (4.18)	516 (7.06)	471 (11.24)	368 (15.76)
GRC	105131	0.13	104991	463 (3.95)	484 (4.67)	495 (7.85)	456 (12.07)	370 (21.55)
HUN	107044	0.06	106984	478 (3.39)	487 (3.02)	492 (7.52)	461 (11.56)	375 (21.82)
ISL	3928	0.63	3903	504 (2.68)	492 (2.46)	481 (5.02)	433 (10.14)	. (.)
IRL	54850	1.03	54285	520 (2.97)	517 (3.06)	500 (6.29)	476 (11.76)	423 (17.05)
ITA	481521	0.10	481055	469 (3.66)	485 (2.99)	486 (6.92)	451 (11.47)	375 (24.32)
JPN	1240054	0.10	1238855	486 (6.40)	503 (4.20)	504 (4.74)	477 (7.82)	392 (32.33)
KOR	533504	0.04	533302	526 (4.23)	532 (3.33)	545 (3.46)	543 (6.20)	442 (24.02)
LUX	4080	0.10	4076	470 (2.36)	498 (2.17)	484 (5.91)	449 (7.82)	365 (17.13)
MEX	1071650	0.37	1067674	411 (3.84)	394 (5.11)	378 (13.73)	372 (12.84)	307 (8.21)
NLD	184943	3.16	179099	513 (3.88)	522 (3.02)	513 (5.48)	493 (13.89)	. (.)
NZL	48638	1.80	47761	533 (3.43)	521 (2.67)	511 (6.66)	484 (11.60)	. (.)
NOR	52816	0.77	52407	514 (3.86)	507 (2.94)	474 (5.45)	446 (8.47)	433 (10.42)
POL	534900	.	534900	488 (3.69)	503 (3.25)	516 (4.91)	491 (6.68)	353 (11.62)
PRT	96857	0.23	96637	482 (4.03)	477 (4.00)	478 (8.00)	443 (12.81)	362 (15.95)
SVK	77067	0.03	77043	464 (3.89)	477 (2.96)	480 (6.91)	448 (12.56)	356 (15.09)
ESP	344372	0.07	344114	482 (2.96)	487 (3.22)	463 (7.03)	434 (9.06)	381 (13.10)
SWE	107104	0.25	106838	520 (3.26)	517 (2.58)	501 (6.45)	460 (12.28)	402 (15.67)
CHE	86491	0.14	86370	499 (3.39)	510 (3.50)	495 (6.23)	476 (9.92)	400 (14.61)
TUR	481279	0.06	480981	435 (4.78)	449 (6.80)	470 (10.59)	452 (10.19)	357 (8.24)
GBR	698579	3.63	673214	510 (3.44)	510 (3.13)	503 (4.68)	459 (8.18)	404 (12.92)
USA	3147089	0.76	3123066	494 (3.77)	505 (3.23)	487 (7.43)	467 (11.04)	357 (12.65)
TOT	.	1.33	.	482 (1.41)	498 (1.29)	502 (2.11)	466 (3.42)	363 (4.23)
AVG	.	1.25	.	492 (0.75)	503 (0.66)	501 (1.29)	467 (2.12)	386 (2.86)
HKG	72484	0.21	72334	503 (5.77)	513 (3.62)	509 (4.78)	484 (10.70)	. (.)
IDN	1971476	.	1971476	385 (3.14)	381 (4.49)	383 (11.45)	379 (9.95)	304 (8.90)
LVA	33643	0.22	33570	494 (4.16)	493 (3.90)	477 (9.95)	461 (9.90)	397 (19.21)
LIE	338	.	338	519 (6.02)	542 (7.06)	. (.)	. (.)	. (.)
MAC	6546	.	6546	492 (5.53)	499 (2.63)	506 (8.06)	. (.)	. (.)
RUS	2153373	0.02	2152991	439 (4.19)	449 (4.01)	441 (6.58)	445 (10.82)	359 (11.69)
YUG	68596	0.56	68211	408 (3.62)	424 (3.99)	419 (7.84)	410 (10.35)	315 (8.20)
THA	637076	.	637076	423 (2.87)	418 (3.67)	408 (12.58)	397 (10.19)	370 (21.52)
TUN	150875	0.07	150770	380 (2.98)	376 (3.88)	364 (10.46)	357 (9.82)	305 (8.26)
URY	33775	0.17	33719	432 (3.43)	447 (4.40)	441 (11.46)	419 (12.89)	335 (8.13)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has taught me things which could be useful in a job.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.07)	526 (2.52)	513 (7.57)	501 (8.14)	443 (11.22)
AUT	85931	1.08	85003	504 (3.31)	518 (3.63)	511 (7.03)	483 (7.19)	392 (19.28)
BEL	111831	1.79	109825	516 (3.29)	548 (2.70)	557 (5.32)	508 (8.62)	431 (11.23)
CAN	330436	9.70	298375	537 (2.18)	539 (1.82)	531 (3.37)	522 (4.94)	497 (8.15)
CZE	121183	4.11	116203	520 (3.36)	529 (3.65)	523 (6.38)	503 (8.88)	397 (13.17)
DNK	51741	0.65	51406	516 (3.64)	519 (3.37)	509 (4.61)	495 (7.63)	451 (13.41)
FIN	57884	0.07	57845	551 (2.70)	541 (1.87)	523 (5.79)	518 (12.22)	. (.)
FRA	734579	0.87	728167	514 (2.92)	517 (2.91)	489 (8.77)	473 (10.03)	426 (10.98)
DEU	884358	5.57	835070	502 (3.88)	527 (3.72)	529 (6.55)	492 (11.06)	401 (12.75)
GRC	105131	0.13	104991	430 (3.81)	459 (4.25)	472 (7.36)	443 (8.82)	356 (16.40)
HUN	107044	0.06	106984	483 (3.67)	496 (3.19)	504 (7.73)	474 (11.06)	400 (22.01)
ISL	3928	0.63	3903	524 (2.21)	517 (2.37)	500 (5.10)	474 (9.31)	. (.)
IRL	54850	1.03	54285	504 (2.77)	506 (2.78)	491 (5.72)	481 (10.32)	417 (12.31)
ITA	481521	0.10	481055	455 (3.62)	475 (3.09)	484 (6.58)	458 (8.37)	392 (17.70)
JPN	1240054	0.10	1238855	520 (6.45)	536 (4.03)	544 (5.31)	513 (7.22)	461 (25.45)
KOR	533504	0.04	533302	534 (4.59)	538 (3.38)	555 (3.81)	558 (7.08)	489 (20.44)
LUX	4080	0.10	4076	483 (1.98)	510 (2.00)	495 (5.40)	477 (7.15)	416 (13.32)
MEX	1071650	0.37	1067674	395 (3.58)	382 (4.31)	361 (11.03)	360 (11.68)	311 (7.04)
NLD	184943	3.16	179099	539 (3.97)	548 (3.20)	540 (6.10)	516 (14.71)	. (.)
NZL	48638	1.80	47761	531 (3.30)	524 (2.59)	518 (5.63)	497 (9.18)	. (.)
NOR	52816	0.77	52407	502 (3.43)	502 (2.59)	480 (5.72)	457 (8.13)	435 (9.23)
POL	534900	.	534900	478 (3.22)	497 (3.05)	510 (4.61)	486 (7.58)	385 (9.98)
PRT	96857	0.23	96637	469 (3.85)	466 (3.60)	471 (7.30)	446 (11.36)	375 (12.88)
SVK	77067	0.03	77043	490 (3.99)	507 (3.17)	511 (6.81)	491 (12.25)	394 (13.61)
ESP	344372	0.07	344114	483 (2.41)	493 (2.93)	478 (6.77)	455 (8.68)	407 (11.46)
SWE	107104	0.25	106838	516 (3.44)	509 (2.67)	491 (6.02)	471 (10.85)	433 (16.30)
CHE	86491	0.14	86370	527 (3.34)	536 (3.94)	517 (7.15)	501 (8.61)	450 (11.90)
TUR	481279	0.06	480981	411 (5.77)	434 (7.91)	466 (12.14)	454 (11.21)	335 (6.71)
GBR	698579	3.63	673214	510 (3.53)	511 (3.02)	506 (5.29)	474 (7.59)	417 (12.67)
USA	3147089	0.76	3123066	479 (3.58)	493 (3.06)	478 (6.90)	463 (9.58)	385 (10.68)
TOT	.	1.33	.	478 (1.37)	500 (1.11)	516 (2.40)	479 (3.07)	381 (3.90)
AVG	.	1.25	.	495 (0.74)	509 (0.64)	512 (1.35)	483 (2.01)	403 (2.90)
HKG	72484	0.21	72334	546 (7.05)	554 (4.37)	548 (5.59)	526 (11.13)	. (.)
IDN	1971476	.	1971476	362 (3.65)	365 (5.38)	360 (11.70)	356 (10.31)	284 (6.44)
LVA	33643	0.22	33570	485 (4.17)	487 (3.84)	476 (8.83)	453 (9.99)	392 (16.38)
LIE	338	.	338	531 (7.00)	549 (7.63)	. (.)	. (.)	. (.)
MAC	6546	.	6546	524 (6.30)	530 (3.58)	527 (8.72)	. (.)	. (.)
RUS	2153373	0.02	2152991	466 (4.81)	473 (4.18)	470 (5.92)	474 (8.98)	401 (8.79)
YUG	68596	0.56	68211	431 (3.67)	451 (4.30)	439 (8.98)	432 (9.42)	359 (6.35)
THA	637076	.	637076	416 (3.21)	420 (3.83)	408 (11.26)	395 (8.74)	385 (19.55)
TUN	150875	0.07	150770	362 (2.69)	361 (3.57)	365 (8.55)	350 (6.50)	297 (6.17)
URY	33775	0.17	33719	418 (3.96)	434 (3.45)	449 (9.63)	406 (9.67)	333 (5.98)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has taught me things which could be useful in a job.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (2.19)	526 (2.46)	509 (7.71)	498 (9.99)	441 (14.87)
AUT	85931	1.08	85003	490 (3.49)	503 (3.89)	497 (6.81)	461 (7.85)	392 (19.84)
BEL	111831	1.79	109825	499 (3.50)	524 (2.84)	533 (5.35)	480 (9.67)	406 (13.06)
CAN	330436	9.70	298375	520 (2.40)	528 (2.03)	521 (4.21)	506 (6.18)	481 (10.04)
CZE	121183	4.11	116203	527 (3.56)	534 (3.49)	529 (7.78)	508 (9.73)	406 (17.21)
DNK	51741	0.65	51406	479 (3.75)	480 (3.72)	467 (5.40)	455 (8.17)	394 (15.98)
FIN	57884	0.07	57845	557 (2.77)	543 (2.14)	527 (7.05)	516 (15.04)	. (.)
FRA	734579	0.87	728167	516 (3.46)	516 (3.56)	493 (10.04)	464 (14.13)	420 (16.02)
DEU	884358	5.57	835070	501 (4.23)	529 (4.17)	532 (7.10)	493 (11.72)	392 (16.04)
GRC	105131	0.13	104991	468 (4.03)	493 (3.98)	507 (6.78)	480 (8.86)	398 (19.00)
HUN	107044	0.06	106984	498 (3.75)	508 (3.41)	520 (8.08)	483 (11.75)	401 (21.27)
ISL	3928	0.63	3903	504 (2.34)	495 (2.77)	484 (5.58)	452 (9.34)	. (.)
IRL	54850	1.03	54285	508 (3.41)	508 (2.98)	491 (6.98)	480 (11.07)	419 (13.26)
ITA	481521	0.10	481055	476 (3.93)	496 (3.30)	507 (7.28)	480 (10.57)	392 (25.88)
JPN	1240054	0.10	1238855	537 (6.47)	550 (4.42)	555 (5.38)	528 (8.20)	493 (27.14)
KOR	533504	0.04	533302	529 (5.15)	534 (3.79)	553 (4.13)	557 (8.14)	479 (20.22)
LUX	4080	0.10	4076	473 (2.33)	500 (2.26)	487 (5.87)	459 (8.92)	375 (16.48)
MEX	1071650	0.37	1067674	413 (3.36)	402 (4.34)	380 (10.05)	387 (12.45)	337 (7.72)
NLD	184943	3.16	179099	524 (4.60)	533 (3.32)	521 (6.83)	499 (15.17)	. (.)
NZL	48638	1.80	47761	527 (3.37)	522 (2.59)	519 (6.22)	500 (11.01)	. (.)
NOR	52816	0.77	52407	493 (3.93)	492 (3.10)	465 (6.20)	443 (8.71)	420 (10.28)
POL	534900	.	534900	483 (3.45)	505 (3.34)	522 (4.94)	496 (8.50)	391 (11.92)
PRT	96857	0.23	96637	470 (3.94)	468 (3.81)	475 (7.45)	446 (11.66)	379 (15.79)
SVK	77067	0.03	77043	487 (4.44)	504 (3.83)	509 (7.77)	489 (12.14)	389 (18.53)
ESP	344372	0.07	344114	487 (3.04)	494 (3.14)	476 (6.74)	452 (8.73)	382 (14.53)
SWE	107104	0.25	106838	511 (3.83)	508 (3.09)	491 (7.11)	458 (12.22)	415 (18.24)
CHE	86491	0.14	86370	514 (3.81)	523 (3.86)	504 (8.21)	481 (13.77)	417 (12.66)
TUR	481279	0.06	480981	426 (5.00)	442 (6.92)	470 (11.56)	453 (10.80)	360 (8.51)
GBR	698579	3.63	673214	521 (3.43)	522 (3.17)	515 (5.74)	476 (8.55)	412 (13.68)
USA	3147089	0.76	3123066	487 (3.69)	501 (3.26)	488 (8.05)	471 (10.25)	391 (11.45)
TOT	.	1.33	.	485 (1.37)	506 (1.21)	523 (2.29)	487 (3.65)	389 (3.97)
AVG	.	1.25	.	496 (0.72)	508 (0.67)	511 (1.32)	481 (2.17)	400 (2.59)
HKG	72484	0.21	72334	534 (6.96)	542 (4.12)	539 (5.37)	519 (10.56)	. (.)
IDN	1971476	.	1971476	398 (3.04)	395 (4.40)	395 (10.81)	393 (9.40)	341 (6.24)
LVA	33643	0.22	33570	491 (4.65)	492 (4.20)	484 (9.06)	460 (10.93)	390 (19.51)
LIE	338	.	338	521 (6.86)	537 (7.93)	. (.)	. (.)	. (.)
MAC	6546	.	6546	523 (6.82)	527 (4.10)	523 (11.00)	. (.)	. (.)
RUS	2153373	0.02	2152991	487 (4.49)	494 (4.16)	488 (6.79)	495 (11.63)	416 (10.96)
YUG	68596	0.56	68211	431 (3.31)	448 (4.13)	445 (8.06)	438 (11.88)	368 (7.30)
THA	637076	.	637076	429 (2.95)	431 (3.42)	431 (11.21)	410 (10.64)	388 (18.79)
TUN	150875	0.07	150770	390 (2.75)	384 (3.76)	382 (8.64)	373 (10.49)	316 (7.90)
URY	33775	0.17	33719	436 (3.50)	450 (3.35)	450 (10.92)	428 (13.00)	349 (7.84)

Student Questionnaire – Question 24

Q24 Thinking about what you have learned in school: To what extent do you agree with the following statements?

School has taught me things which could be useful in a job.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.20)	531 (2.34)	518 (6.92)	502 (8.38)	443 (11.44)
AUT	85931	1.08	85003	505 (3.32)	517 (3.53)	513 (6.42)	479 (7.48)	396 (16.32)
BEL	111831	1.79	109825	515 (3.37)	542 (2.61)	549 (4.93)	501 (8.94)	417 (12.28)
CAN	330436	9.70	298375	537 (2.11)	536 (1.77)	524 (3.51)	507 (5.54)	492 (7.42)
CZE	121183	4.11	116203	521 (3.25)	528 (3.48)	524 (6.31)	502 (8.73)	403 (15.12)
DNK	51741	0.65	51406	519 (3.49)	522 (2.92)	510 (5.57)	494 (7.58)	448 (13.43)
FIN	57884	0.07	57845	554 (2.45)	545 (1.95)	519 (6.98)	521 (12.46)	. (.)
FRA	734579	0.87	728167	522 (3.18)	525 (2.90)	501 (9.28)	478 (10.65)	441 (11.68)
DEU	884358	5.57	835070	511 (3.65)	534 (3.78)	538 (6.06)	499 (10.88)	411 (13.12)
GRC	105131	0.13	104991	434 (3.72)	464 (4.74)	472 (8.29)	439 (8.87)	368 (17.55)
HUN	107044	0.06	106984	494 (3.86)	507 (3.25)	512 (7.75)	486 (11.42)	405 (23.27)
ISL	3928	0.63	3903	515 (2.40)	505 (2.05)	493 (4.54)	463 (8.41)	. (.)
IRL	54850	1.03	54285	501 (2.65)	501 (2.91)	487 (5.64)	472 (9.21)	416 (12.82)
ITA	481521	0.10	481055	461 (3.56)	479 (3.31)	486 (7.13)	456 (9.75)	364 (20.96)
JPN	1240054	0.10	1238855	535 (6.65)	550 (4.21)	555 (5.48)	524 (7.47)	467 (31.16)
KOR	533504	0.04	533302	537 (4.25)	548 (3.32)	563 (3.57)	567 (6.36)	479 (19.13)
LUX	4080	0.10	4076	485 (2.17)	509 (2.09)	496 (5.53)	471 (7.07)	426 (12.36)
MEX	1071650	0.37	1067674	395 (4.17)	380 (5.32)	356 (12.36)	357 (15.11)	299 (9.20)
NLD	184943	3.16	179099	520 (4.04)	528 (3.29)	516 (6.19)	491 (14.36)	. (.)
NZL	48638	1.80	47761	538 (3.18)	534 (2.31)	532 (5.97)	509 (10.40)	. (.)
NOR	52816	0.77	52407	500 (3.87)	497 (2.67)	469 (5.40)	440 (8.60)	439 (9.47)
POL	534900	.	534900	475 (3.39)	494 (3.02)	506 (4.43)	483 (7.81)	343 (14.45)
PRT	96857	0.23	96637	470 (4.32)	472 (3.89)	477 (8.32)	455 (10.86)	375 (15.58)
SVK	77067	0.03	77043	484 (4.15)	500 (3.13)	502 (6.91)	483 (12.71)	403 (13.32)
ESP	344372	0.07	344114	480 (2.65)	491 (3.21)	473 (7.02)	448 (8.87)	391 (12.34)
SWE	107104	0.25	106838	516 (3.13)	508 (2.60)	493 (5.30)	468 (11.10)	436 (14.85)
CHE	86491	0.14	86370	521 (3.14)	531 (3.54)	512 (6.73)	496 (9.30)	449 (12.75)
TUR	481279	0.06	480981	398 (5.09)	417 (7.01)	447 (10.17)	430 (9.93)	314 (8.74)
GBR	698579	3.63	673214	511 (3.32)	513 (2.93)	508 (5.30)	468 (8.03)	421 (14.96)
USA	3147089	0.76	3123066	474 (3.62)	487 (3.24)	472 (6.88)	457 (11.33)	367 (9.97)
TOT	.	1.33	.	478 (1.40)	500 (1.21)	519 (2.43)	480 (3.52)	370 (4.35)
AVG	.	1.25	.	495 (0.75)	508 (0.65)	513 (1.37)	480 (2.06)	397 (3.42)
HKG	72484	0.21	72334	539 (6.89)	551 (4.10)	549 (5.13)	531 (11.94)	. (.)
IDN	1971476	.	1971476	363 (3.03)	365 (4.72)	359 (11.23)	361 (9.20)	306 (6.99)
LVA	33643	0.22	33570	484 (4.32)	487 (4.15)	478 (10.23)	451 (9.33)	369 (16.08)
LIE	338	.	338	525 (6.68)	544 (7.04)	. (.)	. (.)	. (.)
MAC	6546	.	6546	526 (6.23)	535 (3.60)	535 (9.11)	. (.)	. (.)
RUS	2153373	0.02	2152991	475 (5.12)	485 (4.63)	480 (7.10)	481 (9.99)	400 (12.85)
YUG	68596	0.56	68211	415 (3.29)	433 (3.79)	426 (9.25)	413 (8.60)	335 (8.29)
THA	637076	.	637076	425 (2.90)	427 (3.54)	420 (11.41)	406 (8.56)	385 (19.66)
TUN	150875	0.07	150770	348 (2.33)	345 (2.96)	343 (9.18)	325 (7.94)	299 (8.04)
URY	33775	0.17	33719	404 (4.24)	426 (4.09)	438 (10.39)	407 (12.49)	308 (7.08)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This is the local school for students who live in this area.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	54.72	(1.22)	45.23	(1.22)	0.05	(.)
AUT	85931	1.08	85003	9.63	(0.60)	90.28	(0.59)	0.09	(.)
BEL	111831	1.82	109800	27.14	(0.89)	72.85	(0.89)	0.01	(.)
CAN	330436	9.70	298375	72.23	(0.88)	27.77	(0.88)	.	(.)
CZE	121183	4.06	116258	30.98	(1.32)	69.02	(1.32)	.	(.)
DNK	51741	0.65	51406	64.49	(1.99)	35.51	(1.99)	.	(.)
FIN	57884	0.07	57845	81.20	(1.77)	18.80	(1.77)	.	(.)
FRA	734579	0.87	728167	52.20	(1.97)	47.80	(1.97)	.	(.)
DEU	884358	5.57	835070	41.66	(1.53)	58.34	(1.53)	.	(.)
GRC	105131	0.13	104991	49.57	(1.94)	50.28	(1.94)	0.15	(.)
HUN	107044	0.06	106984	14.39	(1.01)	85.58	(1.01)	0.02	(.)
ISL	3928	0.63	3903	84.36	(0.64)	15.52	(0.63)	0.12	(.)
IRL	54850	1.03	54285	60.67	(1.84)	39.33	(1.84)	.	(.)
ITA	481521	0.21	480519	7.09	(0.86)	92.91	(0.86)	.	(.)
JPN	1240054	0.10	1238855	20.07	(1.10)	79.93	(1.10)	.	(.)
KOR	533504	0.04	533302	42.54	(1.97)	57.41	(1.98)	0.04	(.)
LUX	4080	0.10	4076	32.11	(0.65)	67.69	(0.65)	0.20	(.)
MEX	1071650	0.37	1067674	15.33	(1.40)	84.65	(1.40)	0.03	(.)
NLD	184943	3.09	179228	28.57	(1.61)	71.43	(1.61)	.	(.)
NZL	48638	0.72	48288	57.89	(1.41)	42.09	(1.41)	0.02	(.)
NOR	52816	0.77	52407	93.22	(0.75)	6.73	(0.75)	0.05	(.)
POL	534900	.	534900	78.61	(1.20)	21.39	(1.20)	.	(.)
PRT	96857	0.23	96637	50.92	(2.02)	49.05	(2.02)	0.03	(.)
SVK	77067	0.09	76997	27.90	(1.42)	72.09	(1.42)	0.00	(.)
ESP	344372	0.07	344114	47.77	(1.56)	52.23	(1.56)	.	(.)
SWE	107104	0.25	106838	74.01	(1.37)	25.95	(1.38)	0.04	(.)
CHE	86491	0.14	86370	65.22	(1.38)	34.71	(1.37)	0.07	(.)
TUR	481279	0.03	481137	35.27	(1.77)	64.73	(1.77)	.	(.)
GBR	698579	3.61	673362	60.52	(1.87)	39.48	(1.87)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.19	.	39.82	(0.44)	60.17	(0.44)	0.01	(0.00)
AVG	.	4.53	.	47.55	(0.32)	52.42	(0.32)	0.03	(0.00)
HKG	72484	0.21	72334	50.59	(1.27)	49.41	(1.27)	.	(.)
IDN	1971476	0.19	1967646	49.25	(1.33)	50.73	(1.33)	0.02	(.)
LVA	33643	0.22	33570	47.79	(2.15)	52.19	(2.15)	0.03	(.)
LIE	338	.	338	54.95	(2.17)	45.05	(2.17)	.	(.)
MAC	6546	.	6546	24.70	(1.61)	75.30	(1.61)	.	(.)
RUS	2153373	0.02	2152991	50.68	(2.19)	49.26	(2.19)	0.06	(.)
YUG	68596	0.54	68226	14.77	(0.89)	85.17	(0.89)	0.06	(.)
THA	637076	.	637076	62.38	(2.19)	37.62	(2.19)	.	(.)
TUN	150875	0.07	150770	48.96	(1.54)	51.02	(1.54)	0.02	(.)
URY	33775	0.15	33724	56.28	(1.15)	43.72	(1.15)	.	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This is the local school for students who live in this area.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	513 (2.72)	541 (2.90)	. (.)
AUT	85931	1.08	85003	435 (6.02)	500 (3.51)	. (.)
BEL	111831	1.82	109800	538 (3.27)	500 (3.59)	. (.)
CAN	330436	9.70	298375	534 (1.61)	524 (3.16)	. (.)
CZE	121183	4.06	116258	469 (3.65)	508 (3.20)	. (.)
DNK	51741	0.65	51406	498 (2.95)	482 (4.80)	. (.)
FIN	57884	0.07	57845	546 (1.44)	531 (5.27)	. (.)
FRA	734579	0.87	728167	507 (3.33)	486 (4.49)	. (.)
DEU	884358	5.57	835070	484 (4.41)	513 (4.15)	. (.)
GRC	105131	0.13	104991	485 (3.98)	460 (5.90)	. (.)
HUN	107044	0.06	106984	439 (6.31)	489 (2.70)	. (.)
ISL	3928	0.63	3903	499 (1.75)	458 (4.98)	. (.)
IRL	54850	1.03	54285	518 (2.76)	510 (4.32)	. (.)
ITA	481521	0.21	480519	448 (12.09)	478 (2.82)	. (.)
JPN	1240054	0.10	1238855	501 (5.93)	498 (4.23)	. (.)
KOR	533504	0.04	533302	544 (2.75)	527 (4.35)	. (.)
LUX	4080	0.10	4076	476 (2.94)	481 (1.71)	. (.)
MEX	1071650	0.37	1067674	352 (8.08)	409 (3.85)	. (.)
NLD	184943	3.09	179228	516 (4.54)	518 (2.96)	. (.)
NZL	48638	0.72	48288	518 (2.86)	528 (3.51)	. (.)
NOR	52816	0.77	52407	504 (2.76)	456 (11.59)	. (.)
POL	534900	.	534900	493 (2.87)	509 (5.23)	. (.)
PRT	96857	0.23	96637	473 (4.37)	483 (4.18)	. (.)
SVK	77067	0.09	76997	456 (4.06)	474 (3.64)	. (.)
ESP	344372	0.07	344114	479 (2.79)	482 (3.80)	. (.)
SWE	107104	0.25	106838	520 (2.32)	501 (5.88)	. (.)
CHE	86491	0.14	86370	501 (2.46)	495 (6.65)	. (.)
TUR	481279	0.03	481137	425 (5.21)	450 (7.00)	. (.)
GBR	698579	3.61	673362	501 (2.52)	515 (4.88)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	492 (1.32)	482 (1.50)	388 (30.09)
AVG	.	4.53	.	500 (0.69)	491 (0.92)	400 (19.21)
HKG	72484	0.21	72334	509 (3.72)	511 (4.54)	. (.)
IDN	1971476	0.19	1967646	381 (3.12)	382 (4.36)	. (.)
LVA	33643	0.22	33570	493 (3.85)	489 (5.30)	. (.)
LIE	338	.	338	524 (6.24)	526 (6.65)	. (.)
MAC	6546	.	6546	488 (3.93)	501 (2.68)	. (.)
RUS	2153373	0.02	2152991	439 (3.71)	445 (5.74)	. (.)
YUG	68596	0.54	68226	407 (5.86)	413 (3.78)	. (.)
THA	637076	.	637076	429 (3.19)	405 (5.37)	. (.)
TUN	150875	0.07	150770	378 (3.64)	372 (3.68)	. (.)
URY	33775	0.15	33724	427 (4.17)	443 (4.73)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This is the local school for students who live in this area.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	512 (2.62)	540 (3.07)	. (.)
AUT	85931	1.08	85003	471 (5.59)	511 (3.23)	. (.)
BEL	111831	1.82	109800	561 (3.22)	522 (3.28)	. (.)
CAN	330436	9.70	298375	536 (1.58)	535 (3.42)	. (.)
CZE	121183	4.06	116258	494 (4.20)	535 (3.70)	. (.)
DNK	51741	0.65	51406	522 (2.93)	501 (4.56)	. (.)
FIN	57884	0.07	57845	548 (1.66)	531 (5.42)	. (.)
FRA	734579	0.87	728167	519 (3.02)	505 (4.28)	. (.)
DEU	884358	5.57	835070	499 (4.11)	520 (4.02)	. (.)
GRC	105131	0.13	104991	458 (3.56)	432 (5.75)	. (.)
HUN	107044	0.06	106984	444 (6.07)	498 (3.06)	. (.)
ISL	3928	0.63	3903	522 (1.54)	479 (4.63)	. (.)
IRL	54850	1.03	54285	506 (2.73)	498 (4.20)	. (.)
ITA	481521	0.21	480519	443 (11.83)	467 (2.90)	. (.)
JPN	1240054	0.10	1238855	539 (5.83)	533 (4.46)	. (.)
KOR	533504	0.04	533302	550 (2.98)	537 (4.73)	. (.)
LUX	4080	0.10	4076	490 (2.23)	495 (1.33)	. (.)
MEX	1071650	0.37	1067674	349 (6.57)	392 (3.55)	. (.)
NLD	184943	3.09	179228	543 (4.63)	543 (3.31)	. (.)
NZL	48638	0.72	48288	522 (2.72)	527 (3.19)	. (.)
NOR	52816	0.77	52407	498 (2.38)	457 (10.40)	. (.)
POL	534900	.	534900	487 (2.55)	503 (4.37)	. (.)
PRT	96857	0.23	96637	464 (3.92)	469 (3.90)	. (.)
SVK	77067	0.09	76997	485 (4.23)	503 (3.84)	. (.)
ESP	344372	0.07	344114	481 (2.45)	489 (3.43)	. (.)
SWE	107104	0.25	106838	516 (2.36)	491 (6.42)	. (.)
CHE	86491	0.14	86370	527 (2.83)	525 (6.59)	. (.)
TUR	481279	0.03	481137	406 (5.02)	433 (8.44)	. (.)
GBR	698579	3.61	673362	504 (2.67)	514 (4.62)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	498 (1.31)	488 (1.60)	376 (37.43)
AVG	.	4.53	.	506 (0.65)	498 (0.96)	414 (17.27)
HKG	72484	0.21	72334	548 (4.45)	552 (5.62)	. (.)
IDN	1971476	0.19	1967646	359 (3.43)	361 (5.22)	. (.)
LVA	33643	0.22	33570	483 (3.78)	484 (5.31)	. (.)
LIE	338	.	338	535 (6.99)	536 (7.22)	. (.)
MAC	6546	.	6546	525 (5.38)	528 (3.78)	. (.)
RUS	2153373	0.02	2152991	466 (4.17)	471 (6.08)	. (.)
YUG	68596	0.54	68226	434 (6.38)	438 (3.87)	. (.)
THA	637076	.	637076	422 (3.63)	409 (5.71)	. (.)
TUN	150875	0.07	150770	364 (2.98)	354 (3.86)	. (.)
URY	33775	0.15	33724	415 (3.43)	432 (4.32)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This is the local school for students who live in this area.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	512 (2.52)	542 (3.04)	. (.)
AUT	85931	1.08	85003	453 (5.54)	497 (3.39)	. (.)
BEL	111831	1.82	109800	538 (3.06)	502 (3.49)	. (.)
CAN	330436	9.70	298375	524 (1.88)	518 (3.65)	. (.)
CZE	121183	4.06	116258	498 (4.12)	542 (3.50)	. (.)
DNK	51741	0.65	51406	483 (3.18)	462 (4.78)	. (.)
FIN	57884	0.07	57845	551 (1.73)	539 (5.72)	. (.)
FRA	734579	0.87	728167	522 (3.90)	502 (5.04)	. (.)
DEU	884358	5.57	835070	495 (4.29)	523 (4.31)	. (.)
GRC	105131	0.13	104991	497 (3.72)	466 (5.41)	. (.)
HUN	107044	0.06	106984	456 (6.41)	511 (3.00)	. (.)
ISL	3928	0.63	3903	501 (1.55)	467 (5.00)	. (.)
IRL	54850	1.03	54285	510 (2.94)	497 (4.39)	. (.)
ITA	481521	0.21	480519	463 (12.54)	488 (2.95)	. (.)
JPN	1240054	0.10	1238855	553 (5.97)	546 (4.58)	. (.)
KOR	533504	0.04	533302	548 (3.08)	532 (5.04)	. (.)
LUX	4080	0.10	4076	482 (3.15)	483 (1.61)	. (.)
MEX	1071650	0.37	1067674	376 (6.44)	410 (3.51)	. (.)
NLD	184943	3.09	179228	530 (5.10)	528 (3.51)	. (.)
NZL	48638	0.72	48288	518 (2.85)	527 (3.39)	. (.)
NOR	52816	0.77	52407	487 (2.83)	446 (10.41)	. (.)
POL	534900	.	534900	493 (2.93)	516 (5.44)	. (.)
PRT	96857	0.23	96637	467 (4.04)	470 (4.03)	. (.)
SVK	77067	0.09	76997	483 (4.58)	500 (4.17)	. (.)
ESP	344372	0.07	344114	486 (2.90)	488 (3.94)	. (.)
SWE	107104	0.25	106838	513 (2.49)	488 (6.68)	. (.)
CHE	86491	0.14	86370	514 (2.86)	512 (8.23)	. (.)
TUR	481279	0.03	481137	420 (4.62)	442 (7.44)	. (.)
GBR	698579	3.61	673362	513 (2.87)	526 (4.95)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	502 (1.28)	496 (1.50)	416 (27.90)
AVG	.	4.53	.	503 (0.66)	499 (0.90)	401 (18.02)
HKG	72484	0.21	72334	541 (4.33)	538 (5.16)	. (.)
IDN	1971476	0.19	1967646	394 (3.00)	397 (4.19)	. (.)
LVA	33643	0.22	33570	490 (3.87)	489 (5.86)	. (.)
LIE	338	.	338	523 (7.38)	527 (7.45)	. (.)
MAC	6546	.	6546	528 (6.45)	523 (3.30)	. (.)
RUS	2153373	0.02	2152991	487 (4.03)	492 (6.14)	. (.)
YUG	68596	0.54	68226	433 (6.11)	437 (3.65)	. (.)
THA	637076	.	637076	439 (3.16)	413 (5.16)	. (.)
TUN	150875	0.07	150770	385 (3.20)	384 (3.90)	. (.)
URY	33775	0.15	33724	435 (3.50)	443 (3.92)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This is the local school for students who live in this area.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	519 (2.59)	543 (2.66)	. (.)
AUT	85931	1.08	85003	465 (5.18)	512 (3.11)	. (.)
BEL	111831	1.82	109800	550 (3.00)	520 (3.11)	. (.)
CAN	330436	9.70	298375	534 (1.62)	533 (3.24)	. (.)
CZE	121183	4.06	116258	493 (4.23)	536 (3.37)	. (.)
DNK	51741	0.65	51406	525 (2.60)	503 (4.49)	. (.)
FIN	57884	0.07	57845	550 (1.69)	540 (5.68)	. (.)
FRA	734579	0.87	728167	527 (3.29)	513 (4.43)	. (.)
DEU	884358	5.57	835070	507 (4.05)	527 (3.89)	. (.)
GRC	105131	0.13	104991	461 (3.75)	436 (5.76)	. (.)
HUN	107044	0.06	106984	449 (6.21)	510 (3.06)	. (.)
ISL	3928	0.63	3903	511 (1.51)	474 (4.37)	. (.)
IRL	54850	1.03	54285	500 (2.67)	495 (3.70)	. (.)
ITA	481521	0.21	480519	436 (13.12)	472 (2.81)	. (.)
JPN	1240054	0.10	1238855	552 (6.10)	546 (4.45)	. (.)
KOR	533504	0.04	533302	558 (2.86)	545 (4.37)	. (.)
LUX	4080	0.10	4076	490 (2.28)	496 (1.72)	. (.)
MEX	1071650	0.37	1067674	345 (6.81)	392 (4.30)	. (.)
NLD	184943	3.09	179228	523 (4.78)	523 (3.36)	. (.)
NZL	48638	0.72	48288	530 (2.57)	538 (3.12)	. (.)
NOR	52816	0.77	52407	494 (2.66)	445 (10.03)	. (.)
POL	534900	.	534900	484 (2.78)	495 (5.15)	. (.)
PRT	96857	0.23	96637	465 (4.42)	475 (4.32)	. (.)
SVK	77067	0.09	76997	477 (4.16)	498 (3.87)	. (.)
ESP	344372	0.07	344114	478 (2.92)	487 (3.77)	. (.)
SWE	107104	0.25	106838	513 (2.31)	497 (5.71)	. (.)
CHE	86491	0.14	86370	523 (2.62)	519 (5.97)	. (.)
TUR	481279	0.03	481137	395 (4.91)	414 (7.40)	. (.)
GBR	698579	3.61	673362	507 (2.60)	514 (4.55)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	500 (1.40)	491 (1.70)	366 (47.05)
AVG	.	4.53	.	505 (0.68)	499 (0.97)	419 (19.24)
HKG	72484	0.21	72334	546 (4.31)	550 (5.08)	. (.)
IDN	1971476	0.19	1967646	359 (2.80)	364 (4.48)	. (.)
LVA	33643	0.22	33570	485 (3.98)	480 (5.67)	. (.)
LIE	338	.	338	527 (6.71)	532 (6.85)	. (.)
MAC	6546	.	6546	532 (5.77)	533 (3.33)	. (.)
RUS	2153373	0.02	2152991	474 (4.42)	483 (6.82)	. (.)
YUG	68596	0.54	68226	414 (6.03)	422 (3.43)	. (.)
THA	637076	.	637076	431 (3.30)	414 (5.21)	. (.)
TUN	150875	0.07	150770	352 (2.77)	338 (3.25)	. (.)
URY	33775	0.15	33724	403 (4.20)	420 (4.99)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school is known to be a better school than others in the area.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	51.93	(1.17)	48.02	(1.17)	0.06	(.)
AUT	85931	1.08	85003	26.66	(0.91)	73.31	(0.91)	0.04	(.)
BEL	111831	1.82	109800	32.09	(1.19)	67.89	(1.19)	0.02	(.)
CAN	330436	9.70	298375	36.02	(0.96)	63.98	(0.96)	.	(.)
CZE	121183	4.06	116258	31.06	(1.09)	68.94	(1.09)	.	(.)
DNK	51741	0.65	51406	17.14	(1.38)	82.86	(1.38)	.	(.)
FIN	57884	0.07	57845	9.77	(1.01)	90.23	(1.01)	.	(.)
FRA	734579	0.87	728167	25.55	(1.78)	74.45	(1.78)	.	(.)
DEU	884358	5.57	835070	26.44	(1.50)	73.56	(1.50)	.	(.)
GRC	105131	0.13	104991	27.92	(2.15)	71.81	(2.14)	0.27	(.)
HUN	107044	0.06	106984	35.05	(1.69)	64.93	(1.69)	0.02	(.)
ISL	3928	0.63	3903	12.38	(0.64)	87.53	(0.64)	0.08	(.)
IRL	54850	1.03	54285	47.51	(1.63)	52.49	(1.63)	.	(.)
ITA	481521	0.21	480519	16.77	(0.84)	83.23	(0.84)	.	(.)
JPN	1240054	0.10	1238855	17.88	(1.11)	82.12	(1.11)	.	(.)
KOR	533504	0.04	533302	27.60	(2.71)	72.36	(2.70)	0.04	(.)
LUX	4080	0.10	4076	26.82	(0.60)	73.10	(0.60)	0.08	(.)
MEX	1071650	0.37	1067674	29.70	(1.24)	70.30	(1.24)	.	(.)
NLD	184943	3.09	179228	19.89	(0.99)	80.11	(0.99)	.	(.)
NZL	48638	0.69	48300	46.05	(1.34)	53.89	(1.34)	0.07	(.)
NOR	52816	0.77	52407	6.30	(0.57)	93.65	(0.57)	0.05	(.)
POL	534900	.	534900	17.95	(1.03)	82.05	(1.03)	.	(.)
PRT	96857	0.23	96637	23.51	(1.34)	76.49	(1.34)	.	(.)
SVK	77067	0.09	76997	28.10	(1.18)	71.90	(1.18)	.	(.)
ESP	344372	0.07	344114	27.82	(1.38)	72.18	(1.38)	.	(.)
SWE	107104	0.25	106838	11.79	(0.85)	88.18	(0.85)	0.04	(.)
CHE	86491	0.14	86370	10.56	(1.22)	89.40	(1.22)	0.04	(.)
TUR	481279	0.03	481137	48.28	(2.55)	51.72	(2.55)	.	(.)
GBR	698579	3.61	673362	51.45	(1.49)	48.55	(1.49)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.19	.	28.47	(0.43)	71.52	(0.43)	0.01	(0.00)
AVG	.	4.53	.	27.18	(0.27)	72.79	(0.27)	0.03	(0.01)
HKG	72484	0.21	72334	38.84	(1.62)	61.16	(1.62)	.	(.)
IDN	1971476	0.19	1967646	51.96	(2.00)	48.02	(2.00)	0.02	(.)
LVA	33643	0.22	33570	40.61	(2.15)	59.37	(2.15)	0.01	(.)
LIE	338	.	338	13.74	(1.60)	86.26	(1.60)	.	(.)
MAC	6546	.	6546	37.04	(1.48)	62.96	(1.48)	.	(.)
RUS	2153373	0.02	2152991	32.63	(1.53)	67.33	(1.53)	0.04	(.)
YUG	68596	0.54	68226	32.30	(1.55)	67.64	(1.55)	0.06	(.)
THA	637076	.	637076	54.40	(1.15)	45.60	(1.15)	.	(.)
TUN	150875	0.07	150770	37.72	(1.21)	62.26	(1.21)	0.02	(.)
URY	33775	0.15	33724	22.72	(1.04)	77.28	(1.04)	.	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school is known to be a better school than others in the area.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (2.44)	508 (2.92)	. (.)
AUT	85931	1.08	85003	505 (5.44)	489 (3.41)	. (.)
BEL	111831	1.82	109800	535 (3.24)	499 (3.61)	. (.)
CAN	330436	9.70	298375	538 (2.35)	527 (1.67)	. (.)
CZE	121183	4.06	116258	516 (4.38)	487 (2.66)	. (.)
DNK	51741	0.65	51406	491 (4.89)	493 (2.93)	. (.)
FIN	57884	0.07	57845	535 (6.67)	544 (1.67)	. (.)
FRA	734579	0.87	728167	518 (5.54)	490 (3.61)	. (.)
DEU	884358	5.57	835070	530 (5.61)	491 (3.94)	. (.)
GRC	105131	0.13	104991	488 (6.94)	467 (3.65)	. (.)
HUN	107044	0.06	106984	509 (4.16)	467 (2.79)	. (.)
ISL	3928	0.63	3903	470 (5.77)	496 (1.70)	. (.)
IRL	54850	1.03	54285	523 (3.53)	508 (3.08)	. (.)
ITA	481521	0.21	480519	504 (4.99)	470 (3.19)	. (.)
JPN	1240054	0.10	1238855	561 (5.95)	485 (4.15)	. (.)
KOR	533504	0.04	533302	559 (6.18)	525 (3.33)	. (.)
LUX	4080	0.10	4076	495 (3.19)	474 (1.65)	. (.)
MEX	1071650	0.37	1067674	404 (5.50)	398 (4.41)	. (.)
NLD	184943	3.09	179228	525 (4.32)	516 (2.89)	. (.)
NZL	48638	0.69	48300	535 (3.13)	511 (2.94)	. (.)
NOR	52816	0.77	52407	484 (8.73)	502 (2.75)	. (.)
POL	534900	.	534900	508 (5.36)	494 (2.89)	. (.)
PRT	96857	0.23	96637	486 (5.97)	475 (3.77)	. (.)
SVK	77067	0.09	76997	498 (4.92)	458 (3.33)	. (.)
ESP	344372	0.07	344114	504 (4.54)	471 (2.39)	. (.)
SWE	107104	0.25	106838	503 (5.59)	516 (2.48)	. (.)
CHE	86491	0.14	86370	506 (7.04)	498 (3.20)	. (.)
TUR	481279	0.03	481137	465 (8.21)	419 (4.30)	. (.)
GBR	698579	3.61	673362	522 (3.38)	490 (2.95)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	506 (1.90)	478 (1.19)	411 (22.13)
AVG	.	4.53	.	511 (1.13)	489 (0.67)	401 (21.75)
HKG	72484	0.21	72334	550 (2.89)	484 (4.49)	. (.)
IDN	1971476	0.19	1967646	391 (4.14)	371 (3.78)	. (.)
LVA	33643	0.22	33570	505 (4.29)	481 (3.83)	. (.)
LIE	338	.	338	553 (14.47)	521 (4.54)	. (.)
MAC	6546	.	6546	513 (3.68)	489 (3.09)	. (.)
RUS	2153373	0.02	2152991	450 (4.62)	438 (4.27)	. (.)
YUG	68596	0.54	68226	428 (4.81)	405 (3.32)	. (.)
THA	637076	.	637076	421 (3.27)	418 (3.31)	. (.)
TUN	150875	0.07	150770	368 (3.98)	379 (3.28)	. (.)
URY	33775	0.15	33724	435 (6.04)	434 (3.76)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school is known to be a better school than others in the area.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	541 (2.54)	507 (3.16)	. (.)
AUT	85931	1.08	85003	521 (4.72)	502 (3.14)	. (.)
BEL	111831	1.82	109800	560 (3.20)	520 (3.04)	. (.)
CAN	330436	9.70	298375	542 (2.56)	532 (1.60)	. (.)
CZE	121183	4.06	116258	546 (4.80)	511 (2.95)	. (.)
DNK	51741	0.65	51406	517 (4.83)	514 (2.92)	. (.)
FIN	57884	0.07	57845	539 (6.15)	545 (1.92)	. (.)
FRA	734579	0.87	728167	530 (5.41)	506 (3.20)	. (.)
DEU	884358	5.57	835070	536 (5.50)	502 (3.70)	. (.)
GRC	105131	0.13	104991	462 (6.83)	439 (3.31)	. (.)
HUN	107044	0.06	106984	521 (4.87)	473 (2.86)	. (.)
ISL	3928	0.63	3903	505 (5.32)	517 (1.45)	. (.)
IRL	54850	1.03	54285	511 (3.11)	495 (3.04)	. (.)
ITA	481521	0.21	480519	490 (5.72)	461 (3.07)	. (.)
JPN	1240054	0.10	1238855	608 (7.04)	518 (3.92)	. (.)
KOR	533504	0.04	533302	576 (7.37)	529 (3.37)	. (.)
LUX	4080	0.10	4076	509 (2.78)	487 (1.26)	. (.)
MEX	1071650	0.37	1067674	394 (5.05)	382 (3.85)	. (.)
NLD	184943	3.09	179228	553 (4.47)	540 (3.11)	. (.)
NZL	48638	0.69	48300	538 (2.91)	513 (2.68)	. (.)
NOR	52816	0.77	52407	470 (8.31)	497 (2.37)	. (.)
POL	534900	.	534900	509 (4.71)	486 (2.53)	. (.)
PRT	96857	0.23	96637	480 (4.77)	462 (3.36)	. (.)
SVK	77067	0.09	76997	532 (5.09)	485 (3.59)	. (.)
ESP	344372	0.07	344114	502 (4.19)	479 (2.28)	. (.)
SWE	107104	0.25	106838	496 (5.92)	511 (2.52)	. (.)
CHE	86491	0.14	86370	541 (7.76)	525 (3.18)	. (.)
TUR	481279	0.03	481137	449 (9.90)	399 (4.30)	. (.)
GBR	698579	3.61	673362	522 (3.18)	493 (2.95)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	511 (2.04)	484 (1.23)	426 (16.49)
AVG	.	4.53	.	517 (1.20)	496 (0.71)	421 (15.45)
HKG	72484	0.21	72334	603 (4.18)	517 (5.22)	. (.)
IDN	1971476	0.19	1967646	373 (5.00)	347 (3.87)	. (.)
LVA	33643	0.22	33570	500 (4.38)	472 (3.49)	. (.)
LIE	338	.	338	574 (15.50)	530 (4.98)	. (.)
MAC	6546	.	6546	543 (5.12)	518 (3.97)	. (.)
RUS	2153373	0.02	2152991	482 (5.06)	462 (4.21)	. (.)
YUG	68596	0.54	68226	456 (5.03)	428 (3.75)	. (.)
THA	637076	.	637076	419 (3.51)	414 (3.56)	. (.)
TUN	150875	0.07	150770	351 (4.14)	364 (2.59)	. (.)
URY	33775	0.15	33724	432 (4.61)	420 (3.73)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school is known to be a better school than others in the area.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	543 (2.50)	507 (2.83)	. (.)
AUT	85931	1.08	85003	507 (4.88)	488 (3.34)	. (.)
BEL	111831	1.82	109800	537 (3.74)	500 (3.20)	. (.)
CAN	330436	9.70	298375	530 (2.88)	519 (1.92)	. (.)
CZE	121183	4.06	116258	549 (4.58)	519 (2.98)	. (.)
DNK	51741	0.65	51406	485 (5.28)	474 (3.18)	. (.)
FIN	57884	0.07	57845	547 (7.17)	548 (1.92)	. (.)
FRA	734579	0.87	728167	536 (6.44)	504 (3.96)	. (.)
DEU	884358	5.57	835070	540 (5.92)	501 (4.04)	. (.)
GRC	105131	0.13	104991	498 (6.51)	475 (3.31)	. (.)
HUN	107044	0.06	106984	535 (4.57)	486 (2.87)	. (.)
ISL	3928	0.63	3903	481 (5.42)	497 (1.56)	. (.)
IRL	54850	1.03	54285	514 (3.31)	497 (3.35)	. (.)
ITA	481521	0.21	480519	517 (5.93)	480 (3.21)	. (.)
JPN	1240054	0.10	1238855	625 (7.05)	531 (4.17)	. (.)
KOR	533504	0.04	533302	574 (7.39)	525 (3.70)	. (.)
LUX	4080	0.10	4076	506 (2.88)	474 (1.85)	. (.)
MEX	1071650	0.37	1067674	411 (5.02)	403 (3.67)	. (.)
NLD	184943	3.09	179228	534 (5.19)	527 (3.26)	. (.)
NZL	48638	0.69	48300	535 (3.33)	510 (2.76)	. (.)
NOR	52816	0.77	52407	462 (8.84)	486 (2.84)	. (.)
POL	534900	.	534900	515 (5.61)	494 (2.90)	. (.)
PRT	96857	0.23	96637	482 (4.86)	464 (3.64)	. (.)
SVK	77067	0.09	76997	528 (5.12)	482 (4.06)	. (.)
ESP	344372	0.07	344114	508 (4.57)	479 (2.47)	. (.)
SWE	107104	0.25	106838	485 (6.22)	509 (2.90)	. (.)
CHE	86491	0.14	86370	538 (9.09)	510 (3.30)	. (.)
TUR	481279	0.03	481137	457 (8.76)	413 (3.92)	. (.)
GBR	698579	3.61	673362	536 (3.40)	499 (3.08)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	519 (2.01)	490 (1.15)	437 (30.75)
AVG	.	4.53	.	519 (1.16)	494 (0.66)	411 (21.09)
HKG	72484	0.21	72334	587 (3.44)	509 (5.16)	. (.)
IDN	1971476	0.19	1967646	406 (4.00)	384 (3.29)	. (.)
LVA	33643	0.22	33570	508 (4.88)	476 (3.70)	. (.)
LIE	338	.	338	561 (15.96)	519 (5.46)	. (.)
MAC	6546	.	6546	542 (5.59)	515 (4.11)	. (.)
RUS	2153373	0.02	2152991	499 (4.73)	485 (4.45)	. (.)
YUG	68596	0.54	68226	455 (4.98)	428 (3.34)	. (.)
THA	637076	.	637076	432 (3.18)	426 (3.22)	. (.)
TUN	150875	0.07	150770	379 (4.24)	388 (2.83)	. (.)
URY	33775	0.15	33724	444 (5.16)	437 (3.26)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school is known to be a better school than others in the area.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	544 (2.31)	515 (3.02)	. (.)
AUT	85931	1.08	85003	521 (4.87)	503 (2.97)	. (.)
BEL	111831	1.82	109800	552 (3.17)	517 (2.89)	. (.)
CAN	330436	9.70	298375	539 (2.40)	530 (1.60)	. (.)
CZE	121183	4.06	116258	543 (4.72)	513 (2.87)	. (.)
DNK	51741	0.65	51406	518 (4.66)	517 (2.68)	. (.)
FIN	57884	0.07	57845	545 (6.75)	548 (1.89)	. (.)
FRA	734579	0.87	728167	537 (5.58)	515 (3.51)	. (.)
DEU	884358	5.57	835070	540 (5.39)	512 (3.72)	. (.)
GRC	105131	0.13	104991	465 (6.77)	442 (3.45)	. (.)
HUN	107044	0.06	106984	532 (4.88)	485 (2.92)	. (.)
ISL	3928	0.63	3903	484 (4.90)	508 (1.44)	. (.)
IRL	54850	1.03	54285	504 (3.11)	493 (3.00)	. (.)
ITA	481521	0.21	480519	500 (5.50)	464 (3.06)	. (.)
JPN	1240054	0.10	1238855	610 (6.66)	534 (4.16)	. (.)
KOR	533504	0.04	533302	580 (6.51)	539 (3.19)	. (.)
LUX	4080	0.10	4076	511 (3.26)	487 (1.41)	. (.)
MEX	1071650	0.37	1067674	392 (5.99)	381 (4.53)	. (.)
NLD	184943	3.09	179228	531 (4.51)	521 (3.23)	. (.)
NZL	48638	0.69	48300	546 (2.71)	523 (2.60)	. (.)
NOR	52816	0.77	52407	455 (8.45)	493 (2.56)	. (.)
POL	534900	.	534900	498 (5.25)	484 (2.76)	. (.)
PRT	96857	0.23	96637	483 (5.41)	466 (3.88)	. (.)
SVK	77067	0.09	76997	523 (5.20)	480 (3.62)	. (.)
ESP	344372	0.07	344114	500 (4.60)	475 (2.63)	. (.)
SWE	107104	0.25	106838	503 (5.95)	510 (2.35)	. (.)
CHE	86491	0.14	86370	526 (6.74)	521 (2.93)	. (.)
TUR	481279	0.03	481137	433 (8.54)	384 (4.25)	. (.)
GBR	698579	3.61	673362	523 (3.16)	495 (2.81)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	511 (2.08)	488 (1.33)	419 (23.55)
AVG	.	4.53	.	515 (1.18)	496 (0.72)	427 (20.68)
HKG	72484	0.21	72334	594 (3.39)	519 (4.98)	. (.)
IDN	1971476	0.19	1967646	371 (4.30)	351 (3.45)	. (.)
LVA	33643	0.22	33570	497 (4.58)	473 (4.02)	. (.)
LIE	338	.	338	564 (15.22)	524 (4.79)	. (.)
MAC	6546	.	6546	550 (4.37)	522 (3.45)	. (.)
RUS	2153373	0.02	2152991	493 (5.39)	472 (4.86)	. (.)
YUG	68596	0.54	68226	435 (4.85)	414 (3.35)	. (.)
THA	637076	.	637076	430 (3.24)	420 (3.27)	. (.)
TUN	150875	0.07	150770	345 (3.41)	345 (2.43)	. (.)
URY	33775	0.15	33724	423 (5.25)	407 (4.24)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?

This school offers specific study programmes.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	24.15	(0.84)	75.81	(0.84)	0.05	(.)
AUT	85931	1.08	85003	58.06	(1.42)	41.86	(1.41)	0.08	(.)
BEL	111831	1.82	109800	30.44	(1.06)	69.53	(1.06)	0.03	(.)
CAN	330436	9.70	298375	24.91	(0.75)	75.09	(0.75)	.	(.)
CZE	121183	4.06	116258	44.59	(1.53)	55.40	(1.53)	0.00	(.)
DNK	51741	0.65	51406	5.18	(0.57)	94.82	(0.57)	.	(.)
FIN	57884	0.07	57845	10.32	(1.14)	89.68	(1.14)	.	(.)
FRA	734579	0.87	728167	22.10	(1.42)	77.90	(1.42)	.	(.)
DEU	884358	5.57	835070	20.21	(0.99)	79.79	(0.99)	.	(.)
GRC	105131	0.13	104991	19.15	(1.42)	80.61	(1.42)	0.24	(.)
HUN	107044	0.06	106984	36.62	(1.60)	63.36	(1.60)	0.02	(.)
ISL	3928	0.63	3903	7.52	(0.47)	92.39	(0.48)	0.08	(.)
IRL	54850	1.03	54285	27.35	(0.99)	72.65	(0.99)	.	(.)
ITA	481521	0.21	480519	70.13	(0.98)	29.87	(0.98)	.	(.)
JPN	1240054	0.10	1238855	27.06	(1.52)	72.94	(1.52)	.	(.)
KOR	533504	0.04	533302	12.60	(1.40)	87.36	(1.40)	0.04	(.)
LUX	4080	0.10	4076	15.93	(0.55)	83.92	(0.55)	0.15	(.)
MEX	1071650	0.37	1067674	27.28	(1.10)	72.72	(1.10)	.	(.)
NLD	184943	3.09	179228	19.70	(1.02)	80.30	(1.02)	.	(.)
NZL	48638	0.69	48300	20.04	(0.76)	79.92	(0.76)	0.04	(.)
NOR	52816	0.77	52407	2.76	(0.37)	97.20	(0.37)	0.05	(.)
POL	534900	.	534900	4.19	(0.67)	95.81	(0.67)	.	(.)
PRT	96857	0.23	96637	34.77	(1.69)	65.23	(1.69)	.	(.)
SVK	77067	0.09	76997	30.58	(1.27)	69.41	(1.27)	0.01	(.)
ESP	344372	0.07	344114	13.59	(0.93)	86.41	(0.93)	.	(.)
SWE	107104	0.25	106838	8.61	(1.00)	91.36	(0.99)	0.04	(.)
CHE	86491	0.14	86370	12.48	(0.83)	87.44	(0.84)	0.08	(.)
TUR	481279	0.03	481137	19.78	(1.28)	80.22	(1.28)	.	(.)
GBR	698579	3.61	673362	10.29	(0.95)	89.71	(0.95)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.19	.	23.51	(0.33)	76.48	(0.33)	0.01	(0.00)
AVG	.	4.53	.	22.75	(0.20)	77.22	(0.20)	0.03	(0.01)
HKG	72484	0.21	72334	14.31	(0.76)	85.69	(0.76)	.	(.)
IDN	1971476	0.19	1967646	33.70	(1.34)	66.28	(1.34)	0.02	(.)
LVA	33643	0.22	33570	15.60	(2.18)	84.36	(2.18)	0.03	(.)
LIE	338	.	338	6.64	(.)	93.36	(1.21)	.	(.)
MAC	6546	.	6546	18.58	(1.11)	81.42	(1.11)	.	(.)
RUS	2153373	0.02	2152991	22.36	(1.97)	77.64	(1.97)	0.01	(.)
YUG	68596	0.54	68226	47.21	(1.48)	52.73	(1.48)	0.06	(.)
THA	637076	.	637076	59.09	(1.05)	40.91	(1.05)	.	(.)
TUN	150875	0.07	150770	34.11	(1.20)	65.87	(1.21)	0.02	(.)
URY	33775	0.15	33724	20.84	(1.22)	79.16	(1.22)	.	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school offers specific study programmes.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	521 (3.06)	527 (2.23)	. (.)
AUT	85931	1.08	85003	510 (3.60)	471 (5.21)	. (.)
BEL	111831	1.82	109800	500 (3.90)	515 (3.19)	. (.)
CAN	330436	9.70	298375	536 (2.64)	530 (1.67)	. (.)
CZE	121183	4.06	116258	504 (3.72)	490 (3.16)	. (.)
DNK	51741	0.65	51406	481 (11.33)	493 (2.68)	. (.)
FIN	57884	0.07	57845	542 (5.86)	544 (1.66)	. (.)
FRA	734579	0.87	728167	506 (4.30)	495 (3.02)	. (.)
DEU	884358	5.57	835070	527 (5.82)	494 (3.55)	. (.)
GRC	105131	0.13	104991	436 (7.78)	481 (3.98)	. (.)
HUN	107044	0.06	106984	512 (3.93)	464 (2.81)	. (.)
ISL	3928	0.63	3903	416 (7.47)	499 (1.65)	. (.)
IRL	54850	1.03	54285	500 (4.05)	521 (2.71)	. (.)
ITA	481521	0.21	480519	480 (3.07)	467 (5.14)	. (.)
JPN	1240054	0.10	1238855	489 (6.54)	502 (4.08)	. (.)
KOR	533504	0.04	533302	526 (11.17)	535 (2.81)	. (.)
LUX	4080	0.10	4076	471 (3.66)	481 (1.88)	. (.)
MEX	1071650	0.37	1067674	411 (4.35)	396 (4.56)	. (.)
NLD	184943	3.09	179228	495 (4.97)	523 (2.91)	. (.)
NZL	48638	0.69	48300	515 (5.05)	524 (2.38)	. (.)
NOR	52816	0.77	52407	444 (15.95)	502 (2.68)	. (.)
POL	534900	.	534900	514 (11.99)	496 (2.83)	. (.)
PRT	96857	0.23	96637	500 (2.94)	466 (4.97)	. (.)
SVK	77067	0.09	76997	485 (4.93)	462 (3.09)	. (.)
ESP	344372	0.07	344114	471 (5.42)	482 (2.71)	. (.)
SWE	107104	0.25	106838	540 (9.35)	512 (2.26)	. (.)
CHE	86491	0.14	86370	511 (7.07)	497 (3.12)	. (.)
TUR	481279	0.03	481137	451 (11.63)	438 (5.33)	. (.)
GBR	698579	3.61	673362	491 (10.34)	508 (2.65)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	485 (1.84)	487 (1.11)	405 (20.91)
AVG	.	4.53	.	494 (1.14)	496 (0.65)	401 (17.28)
HKG	72484	0.21	72334	480 (6.19)	515 (3.38)	. (.)
IDN	1971476	0.19	1967646	383 (4.24)	381 (3.43)	. (.)
LVA	33643	0.22	33570	493 (7.31)	490 (3.57)	. (.)
LIE	338	.	338	. (.)	527 (3.94)	. (.)
MAC	6546	.	6546	481 (4.68)	501 (2.55)	. (.)
RUS	2153373	0.02	2152991	460 (7.76)	437 (3.64)	. (.)
YUG	68596	0.54	68226	418 (4.05)	407 (3.97)	. (.)
THA	637076	.	637076	418 (3.23)	423 (3.20)	. (.)
TUN	150875	0.07	150770	346 (4.68)	389 (3.20)	. (.)
URY	33775	0.15	33724	422 (7.72)	437 (3.26)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school offers specific study programmes.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	519 (2.82)	526 (2.31)	. (.)
AUT	85931	1.08	85003	523 (3.19)	485 (4.96)	. (.)
BEL	111831	1.82	109800	521 (3.56)	538 (2.86)	. (.)
CAN	330436	9.70	298375	543 (2.79)	534 (1.70)	. (.)
CZE	121183	4.06	116258	532 (4.35)	515 (3.55)	. (.)
DNK	51741	0.65	51406	500 (9.62)	515 (2.70)	. (.)
FIN	57884	0.07	57845	542 (5.99)	545 (1.78)	. (.)
FRA	734579	0.87	728167	531 (4.35)	506 (2.77)	. (.)
DEU	884358	5.57	835070	534 (5.22)	505 (3.44)	. (.)
GRC	105131	0.13	104991	411 (7.43)	453 (3.82)	. (.)
HUN	107044	0.06	106984	520 (4.24)	473 (3.03)	. (.)
ISL	3928	0.63	3903	467 (6.42)	519 (1.49)	. (.)
IRL	54850	1.03	54285	488 (3.66)	508 (2.68)	. (.)
ITA	481521	0.21	480519	469 (3.05)	457 (4.88)	. (.)
JPN	1240054	0.10	1238855	517 (6.70)	541 (4.07)	. (.)
KOR	533504	0.04	533302	531 (13.49)	544 (2.93)	. (.)
LUX	4080	0.10	4076	489 (3.47)	494 (1.15)	. (.)
MEX	1071650	0.37	1067674	400 (4.08)	380 (3.96)	. (.)
NLD	184943	3.09	179228	521 (5.31)	548 (3.16)	. (.)
NZL	48638	0.69	48300	514 (4.59)	527 (2.23)	. (.)
NOR	52816	0.77	52407	463 (14.38)	496 (2.36)	. (.)
POL	534900	.	534900	505 (9.77)	490 (2.48)	. (.)
PRT	96857	0.23	96637	486 (2.77)	456 (4.48)	. (.)
SVK	77067	0.09	76997	515 (5.43)	491 (3.30)	. (.)
ESP	344372	0.07	344114	478 (4.48)	486 (2.49)	. (.)
SWE	107104	0.25	106838	531 (9.21)	507 (2.45)	. (.)
CHE	86491	0.14	86370	545 (7.90)	524 (3.15)	. (.)
TUR	481279	0.03	481137	438 (14.39)	420 (5.84)	. (.)
GBR	698579	3.61	673362	494 (9.95)	509 (2.61)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	490 (1.96)	493 (1.14)	421 (16.16)
AVG	.	4.53	.	501 (1.15)	502 (0.64)	415 (13.55)
HKG	72484	0.21	72334	517 (7.10)	556 (4.27)	. (.)
IDN	1971476	0.19	1967646	361 (5.43)	360 (3.74)	. (.)
LVA	33643	0.22	33570	494 (9.50)	481 (3.26)	. (.)
LIE	338	.	338	. (.)	538 (4.49)	. (.)
MAC	6546	.	6546	513 (7.20)	530 (3.49)	. (.)
RUS	2153373	0.02	2152991	480 (8.39)	465 (3.83)	. (.)
YUG	68596	0.54	68226	442 (4.18)	433 (4.20)	. (.)
THA	637076	.	637076	418 (3.52)	415 (3.36)	. (.)
TUN	150875	0.07	150770	339 (4.32)	369 (2.66)	. (.)
URY	33775	0.15	33724	411 (6.98)	425 (3.18)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school offers specific study programmes.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	520 (3.26)	527 (2.22)	. (.)
AUT	85931	1.08	85003	509 (3.30)	470 (5.38)	. (.)
BEL	111831	1.82	109800	498 (3.69)	517 (2.98)	. (.)
CAN	330436	9.70	298375	528 (3.16)	521 (1.98)	. (.)
CZE	121183	4.06	116258	537 (4.16)	521 (3.60)	. (.)
DNK	51741	0.65	51406	456 (11.68)	477 (2.97)	. (.)
FIN	57884	0.07	57845	545 (6.67)	549 (1.86)	. (.)
FRA	734579	0.87	728167	531 (5.34)	507 (3.42)	. (.)
DEU	884358	5.57	835070	536 (6.29)	505 (3.69)	. (.)
GRC	105131	0.13	104991	446 (7.20)	490 (3.77)	. (.)
HUN	107044	0.06	106984	534 (4.34)	486 (2.81)	. (.)
ISL	3928	0.63	3903	436 (6.88)	500 (1.57)	. (.)
IRL	54850	1.03	54285	491 (4.03)	510 (2.90)	. (.)
ITA	481521	0.21	480519	492 (3.07)	473 (5.63)	. (.)
JPN	1240054	0.10	1238855	535 (7.09)	553 (4.16)	. (.)
KOR	533504	0.04	533302	524 (13.92)	541 (3.27)	. (.)
LUX	4080	0.10	4076	485 (4.19)	482 (1.75)	. (.)
MEX	1071650	0.37	1067674	416 (3.67)	401 (3.96)	. (.)
NLD	184943	3.09	179228	505 (5.92)	534 (3.37)	. (.)
NZL	48638	0.69	48300	511 (5.04)	524 (2.35)	. (.)
NOR	52816	0.77	52407	429 (17.98)	486 (2.84)	. (.)
POL	534900	.	534900	511 (12.54)	497 (2.82)	. (.)
PRT	96857	0.23	96637	488 (3.14)	457 (4.63)	. (.)
SVK	77067	0.09	76997	508 (6.89)	489 (3.51)	. (.)
ESP	344372	0.07	344114	481 (4.90)	488 (2.82)	. (.)
SWE	107104	0.25	106838	532 (10.76)	504 (2.48)	. (.)
CHE	86491	0.14	86370	535 (7.61)	510 (3.45)	. (.)
TUR	481279	0.03	481137	448 (12.39)	431 (5.25)	. (.)
GBR	698579	3.61	673362	500 (11.05)	520 (2.75)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	499 (1.96)	498 (1.07)	432 (29.01)
AVG	.	4.53	.	503 (1.20)	500 (0.62)	412 (16.06)
HKG	72484	0.21	72334	500 (6.71)	546 (4.03)	. (.)
IDN	1971476	0.19	1967646	400 (3.93)	393 (3.21)	. (.)
LVA	33643	0.22	33570	505 (9.09)	486 (3.47)	. (.)
LIE	338	.	338	. (.)	526 (4.91)	. (.)
MAC	6546	.	6546	514 (6.82)	527 (3.53)	. (.)
RUS	2153373	0.02	2152991	496 (8.27)	487 (3.76)	. (.)
YUG	68596	0.54	68226	441 (4.01)	433 (3.99)	. (.)
THA	637076	.	637076	429 (3.14)	429 (3.07)	. (.)
TUN	150875	0.07	150770	361 (4.40)	397 (2.66)	. (.)
URY	33775	0.15	33724	426 (6.27)	442 (2.81)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?

This school offers specific study programmes.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	520 (2.78)	533 (2.14)	. (.)
AUT	85931	1.08	85003	523 (3.07)	487 (4.70)	. (.)
BEL	111831	1.82	109800	519 (3.31)	532 (2.85)	. (.)
CAN	330436	9.70	298375	541 (2.50)	531 (1.69)	. (.)
CZE	121183	4.06	116258	533 (3.89)	514 (3.46)	. (.)
DNK	51741	0.65	51406	489 (9.74)	519 (2.46)	. (.)
FIN	57884	0.07	57845	555 (5.89)	547 (1.78)	. (.)
FRA	734579	0.87	728167	541 (4.57)	514 (2.85)	. (.)
DEU	884358	5.57	835070	542 (5.17)	513 (3.42)	. (.)
GRC	105131	0.13	104991	408 (7.92)	458 (3.87)	. (.)
HUN	107044	0.06	106984	532 (4.24)	483 (3.17)	. (.)
ISL	3928	0.63	3903	445 (6.09)	510 (1.49)	. (.)
IRL	54850	1.03	54285	487 (3.68)	502 (2.54)	. (.)
ITA	481521	0.21	480519	475 (2.96)	458 (5.44)	. (.)
JPN	1240054	0.10	1238855	536 (6.99)	551 (4.19)	. (.)
KOR	533504	0.04	533302	541 (12.07)	552 (2.77)	. (.)
LUX	4080	0.10	4076	495 (3.59)	493 (1.47)	. (.)
MEX	1071650	0.37	1067674	402 (4.65)	378 (4.78)	. (.)
NLD	184943	3.09	179228	500 (5.42)	529 (3.24)	. (.)
NZL	48638	0.69	48300	521 (4.62)	537 (2.13)	. (.)
NOR	52816	0.77	52407	449 (13.82)	492 (2.60)	. (.)
POL	534900	.	534900	503 (10.15)	486 (2.77)	. (.)
PRT	96857	0.23	96637	496 (3.01)	456 (5.02)	. (.)
SVK	77067	0.09	76997	509 (5.54)	484 (3.18)	. (.)
ESP	344372	0.07	344114	473 (5.17)	484 (2.85)	. (.)
SWE	107104	0.25	106838	525 (8.94)	507 (2.33)	. (.)
CHE	86491	0.14	86370	541 (6.86)	519 (2.87)	. (.)
TUR	481279	0.03	481137	421 (12.59)	404 (5.39)	. (.)
GBR	698579	3.61	673362	495 (9.16)	511 (2.53)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	495 (2.11)	494 (1.23)	421 (22.45)
AVG	.	4.53	.	503 (1.17)	501 (0.66)	434 (17.04)
HKG	72484	0.21	72334	512 (7.34)	554 (3.82)	. (.)
IDN	1971476	0.19	1967646	362 (4.40)	361 (3.24)	. (.)
LVA	33643	0.22	33570	494 (8.53)	481 (3.66)	. (.)
LIE	338	.	338	. (.)	531 (4.25)	. (.)
MAC	6546	.	6546	519 (7.02)	535 (2.88)	. (.)
RUS	2153373	0.02	2152991	495 (8.69)	474 (4.24)	. (.)
YUG	68596	0.54	68226	425 (3.95)	417 (3.84)	. (.)
THA	637076	.	637076	428 (3.12)	421 (3.21)	. (.)
TUN	150875	0.07	150770	322 (3.83)	357 (2.29)	. (.)
URY	33775	0.15	33724	405 (7.20)	412 (3.70)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school has a particular religious philosophy.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	13.42	(0.79)	86.53	(0.80)	0.05	(.)
AUT	85931	1.08	85003	1.83	(0.25)	98.15	(0.26)	0.02	(.)
BEL	111831	1.82	109800	4.67	(0.29)	95.32	(0.29)	0.01	(.)
CAN	330436	9.70	298375	8.82	(0.76)	91.18	(0.76)	.	(.)
CZE	121183	4.06	116258	0.86	(0.26)	99.14	(0.26)	.	(.)
DNK	51741	0.65	51406	2.83	(0.96)	97.17	(0.96)	.	(.)
FIN	57884	0.07	57845	0.69	(0.12)	99.31	(0.12)	.	(.)
FRA	734579	0.87	728167	3.18	(0.60)	96.82	(0.60)	.	(.)
DEU	884358	5.57	835070	2.74	(0.67)	97.26	(0.67)	.	(.)
GRC	105131	0.13	104991	2.31	(0.26)	97.45	(0.28)	0.24	(.)
HUN	107044	0.06	106984	4.15	(0.94)	95.82	(0.94)	0.02	(.)
ISL	3928	0.63	3903	1.98	(0.22)	97.96	(0.23)	0.06	(.)
IRL	54850	1.03	54285	6.67	(0.45)	93.33	(0.45)	.	(.)
ITA	481521	0.21	480519	1.44	(0.34)	98.56	(0.34)	.	(.)
JPN	1240054	0.10	1238855	1.02	(0.18)	98.98	(0.18)	.	(.)
KOR	533504	0.04	533302	2.67	(0.62)	97.29	(0.62)	0.04	(.)
LUX	4080	0.13	4075	2.69	(0.25)	97.18	(0.26)	0.13	(.)
MEX	1071650	0.37	1067674	5.05	(1.12)	94.94	(1.12)	0.01	(.)
NLD	184943	3.09	179228	8.26	(1.57)	91.74	(1.57)	.	(.)
NZL	48638	0.72	48288	7.48	(0.87)	92.48	(0.87)	0.04	(.)
NOR	52816	0.77	52407	1.72	(0.59)	98.23	(0.59)	0.05	(.)
POL	534900	.	534900	2.83	(0.30)	97.17	(0.30)	.	(.)
PRT	96857	0.23	96637	4.17	(0.39)	95.83	(0.39)	.	(.)
SVK	77067	0.09	76997	4.49	(1.05)	95.51	(1.05)	.	(.)
ESP	344372	0.07	344114	8.87	(0.68)	91.13	(0.68)	.	(.)
SWE	107104	0.25	106838	0.76	(0.26)	99.20	(0.26)	0.04	(.)
CHE	86491	0.14	86370	0.99	(0.18)	99.01	(0.18)	0.00	(.)
TUR	481279	0.03	481137	8.00	(1.73)	92.00	(1.73)	.	(.)
GBR	698579	3.61	673362	7.95	(1.01)	92.05	(1.01)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.19	.	4.30	(0.20)	95.69	(0.21)	0.01	(0.00)
AVG	.	4.53	.	4.21	(0.14)	95.77	(0.14)	0.02	(0.00)
HKG	72484	0.21	72334	14.38	(1.11)	85.62	(1.11)	.	(.)
IDN	1971476	0.19	1967646	28.04	(2.09)	71.94	(2.09)	0.02	(.)
LVA	33643	0.22	33570	2.36	(0.43)	97.62	(0.43)	0.01	(.)
LIE	338	.	338	1.19	(.)	98.81	(0.59)	.	(.)
MAC	6546	.	6546	8.94	(0.83)	91.06	(0.83)	.	(.)
RUS	2153373	0.02	2152991	2.94	(0.25)	97.01	(0.25)	0.05	(.)
YUG	68596	0.54	68226	1.83	(0.24)	98.11	(0.24)	0.06	(.)
THA	637076	.	637076	30.57	(0.98)	69.43	(0.98)	.	(.)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)
URY	33775	0.15	33724	4.59	(0.42)	95.41	(0.42)	.	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school has a particular religious philosophy.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (3.78)	523 (2.24)	. (.)
AUT	85931	1.08	85003	440 (15.44)	494 (3.49)	. (.)
BEL	111831	1.82	109800	492 (8.23)	511 (2.79)	. (.)
CAN	330436	9.70	298375	531 (5.32)	531 (1.68)	. (.)
CZE	121183	4.06	116258	520 (18.34)	496 (2.80)	. (.)
DNK	51741	0.65	51406	507 (12.85)	492 (2.82)	. (.)
FIN	57884	0.07	57845	471 (14.12)	544 (1.63)	. (.)
FRA	734579	0.87	728167	489 (14.55)	498 (2.70)	. (.)
DEU	884358	5.57	835070	539 (11.99)	500 (3.58)	. (.)
GRC	105131	0.13	104991	385 (11.61)	475 (4.02)	. (.)
HUN	107044	0.06	106984	532 (9.93)	480 (2.57)	. (.)
ISL	3928	0.63	3903	392 (13.63)	494 (1.55)	. (.)
IRL	54850	1.03	54285	517 (6.54)	515 (2.67)	. (.)
ITA	481521	0.21	480519	439 (20.06)	476 (2.99)	. (.)
JPN	1240054	0.10	1238855	447 (17.88)	499 (3.93)	. (.)
KOR	533504	0.04	533302	518 (12.09)	535 (3.08)	. (.)
LUX	4080	0.13	4075	430 (9.42)	481 (1.51)	. (.)
MEX	1071650	0.37	1067674	422 (21.88)	399 (3.62)	. (.)
NLD	184943	3.09	179228	549 (8.10)	515 (2.94)	. (.)
NZL	48638	0.72	48288	522 (9.33)	522 (2.35)	. (.)
NOR	52816	0.77	52407	451 (32.55)	501 (2.70)	. (.)
POL	534900	.	534900	447 (11.19)	498 (2.85)	. (.)
PRT	96857	0.23	96637	433 (9.08)	480 (3.75)	. (.)
SVK	77067	0.09	76997	493 (14.65)	468 (3.21)	. (.)
ESP	344372	0.07	344114	505 (6.88)	478 (2.61)	. (.)
SWE	107104	0.25	106838	442 (35.32)	515 (2.43)	. (.)
CHE	86491	0.14	86370	419 (20.46)	500 (3.31)	. (.)
TUR	481279	0.03	481137	412 (9.90)	444 (6.09)	. (.)
GBR	698579	3.61	673362	536 (6.84)	504 (2.84)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	489 (3.42)	486 (1.11)	385 (22.78)
AVG	.	4.53	.	495 (2.35)	495 (0.63)	393 (24.06)
HKG	72484	0.21	72334	505 (6.89)	510 (3.58)	. (.)
IDN	1971476	0.19	1967646	365 (6.24)	388 (3.80)	. (.)
LVA	33643	0.22	33570	463 (15.10)	491 (3.65)	. (.)
LIE	338	.	338	. (.)	525 (3.69)	. (.)
MAC	6546	.	6546	474 (8.92)	500 (2.31)	. (.)
RUS	2153373	0.02	2152991	373 (10.11)	444 (3.84)	. (.)
YUG	68596	0.54	68226	377 (13.11)	413 (3.58)	. (.)
THA	637076	.	637076	422 (3.69)	419 (2.96)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	491 (11.68)	431 (3.48)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school has a particular religious philosophy.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	546 (3.62)	521 (2.27)	. (.)
AUT	85931	1.08	85003	471 (12.69)	508 (3.17)	. (.)
BEL	111831	1.82	109800	526 (7.98)	533 (2.45)	. (.)
CAN	330436	9.70	298375	532 (4.88)	536 (1.78)	. (.)
CZE	121183	4.06	116258	566 (14.45)	522 (3.21)	. (.)
DNK	51741	0.65	51406	516 (13.06)	515 (2.77)	. (.)
FIN	57884	0.07	57845	491 (15.25)	545 (1.86)	. (.)
FRA	734579	0.87	728167	519 (15.26)	512 (2.45)	. (.)
DEU	884358	5.57	835070	550 (13.81)	510 (3.53)	. (.)
GRC	105131	0.13	104991	388 (9.37)	447 (3.86)	. (.)
HUN	107044	0.06	106984	539 (10.39)	488 (2.98)	. (.)
ISL	3928	0.63	3903	450 (10.91)	517 (1.41)	. (.)
IRL	54850	1.03	54285	505 (5.52)	502 (2.46)	. (.)
ITA	481521	0.21	480519	400 (22.73)	467 (2.97)	. (.)
JPN	1240054	0.10	1238855	471 (15.00)	535 (4.02)	. (.)
KOR	533504	0.04	533302	525 (16.72)	543 (3.14)	. (.)
LUX	4080	0.13	4075	444 (8.62)	495 (1.04)	. (.)
MEX	1071650	0.37	1067674	408 (19.08)	384 (3.25)	. (.)
NLD	184943	3.09	179228	570 (9.15)	540 (3.16)	. (.)
NZL	48638	0.72	48288	518 (8.30)	525 (2.16)	. (.)
NOR	52816	0.77	52407	473 (25.44)	496 (2.35)	. (.)
POL	534900	.	534900	453 (10.65)	491 (2.45)	. (.)
PRT	96857	0.23	96637	434 (8.24)	468 (3.42)	. (.)
SVK	77067	0.09	76997	511 (15.37)	498 (3.42)	. (.)
ESP	344372	0.07	344114	497 (4.71)	484 (2.50)	. (.)
SWE	107104	0.25	106838	417 (27.21)	510 (2.58)	. (.)
CHE	86491	0.14	86370	449 (16.11)	527 (3.38)	. (.)
TUR	481279	0.03	481137	383 (12.79)	427 (7.03)	. (.)
GBR	698579	3.61	673362	536 (7.56)	505 (2.87)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	488 (4.09)	492 (1.14)	399 (18.41)
AVG	.	4.53	.	499 (2.92)	502 (0.64)	408 (18.51)
HKG	72484	0.21	72334	540 (8.08)	552 (4.47)	. (.)
IDN	1971476	0.19	1967646	343 (6.71)	367 (4.46)	. (.)
LVA	33643	0.22	33570	460 (11.43)	484 (3.67)	. (.)
LIE	338	.	338	. (.)	535 (4.11)	. (.)
MAC	6546	.	6546	513 (9.45)	529 (3.23)	. (.)
RUS	2153373	0.02	2152991	404 (7.88)	470 (4.15)	. (.)
YUG	68596	0.54	68226	381 (10.56)	438 (3.75)	. (.)
THA	637076	.	637076	418 (3.71)	417 (3.16)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	471 (8.78)	420 (3.42)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school has a particular religious philosophy.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	545 (4.00)	522 (2.20)	. (.)
AUT	85931	1.08	85003	446 (13.82)	494 (3.34)	. (.)
BEL	111831	1.82	109800	492 (8.58)	512 (2.61)	. (.)
CAN	330436	9.70	298375	517 (5.77)	523 (2.00)	. (.)
CZE	121183	4.06	116258	562 (16.80)	528 (3.11)	. (.)
DNK	51741	0.65	51406	472 (13.90)	476 (2.97)	. (.)
FIN	57884	0.07	57845	454 (17.74)	549 (1.91)	. (.)
FRA	734579	0.87	728167	519 (19.83)	512 (3.02)	. (.)
DEU	884358	5.57	835070	553 (14.28)	510 (3.80)	. (.)
GRC	105131	0.13	104991	427 (10.82)	483 (3.82)	. (.)
HUN	107044	0.06	106984	547 (8.92)	501 (2.86)	. (.)
ISL	3928	0.63	3903	424 (13.63)	497 (1.45)	. (.)
IRL	54850	1.03	54285	517 (6.13)	504 (2.75)	. (.)
ITA	481521	0.21	480519	455 (21.48)	487 (3.06)	. (.)
JPN	1240054	0.10	1238855	476 (18.18)	549 (4.13)	. (.)
KOR	533504	0.04	533302	530 (16.33)	539 (3.46)	. (.)
LUX	4080	0.13	4075	427 (10.62)	484 (1.56)	. (.)
MEX	1071650	0.37	1067674	427 (16.70)	404 (3.13)	. (.)
NLD	184943	3.09	179228	556 (9.85)	526 (3.35)	. (.)
NZL	48638	0.72	48288	509 (8.28)	523 (2.25)	. (.)
NOR	52816	0.77	52407	433 (32.22)	486 (2.82)	. (.)
POL	534900	.	534900	458 (11.63)	499 (2.83)	. (.)
PRT	96857	0.23	96637	449 (8.94)	469 (3.51)	. (.)
SVK	77067	0.09	76997	504 (16.13)	495 (3.84)	. (.)
ESP	344372	0.07	344114	510 (6.85)	485 (2.64)	. (.)
SWE	107104	0.25	106838	437 (30.91)	507 (2.76)	. (.)
CHE	86491	0.14	86370	428 (17.51)	514 (3.71)	. (.)
TUR	481279	0.03	481137	402 (9.79)	437 (6.17)	. (.)
GBR	698579	3.61	673362	546 (8.17)	516 (2.98)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	495 (3.86)	498 (1.07)	415 (32.82)
AVG	.	4.53	.	498 (2.66)	501 (0.59)	408 (23.60)
HKG	72484	0.21	72334	532 (8.11)	541 (4.22)	. (.)
IDN	1971476	0.19	1967646	383 (5.43)	400 (3.61)	. (.)
LVA	33643	0.22	33570	453 (13.98)	490 (3.87)	. (.)
LIE	338	.	338	. (.)	525 (4.49)	. (.)
MAC	6546	.	6546	507 (10.58)	526 (3.20)	. (.)
RUS	2153373	0.02	2152991	415 (9.59)	491 (4.04)	. (.)
YUG	68596	0.54	68226	401 (12.79)	437 (3.57)	. (.)
THA	637076	.	637076	430 (3.68)	429 (2.86)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	483 (10.88)	436 (2.97)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
This school has a particular religious philosophy.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	546 (3.58)	528 (2.09)	. (.)
AUT	85931	1.08	85003	461 (12.74)	509 (3.05)	. (.)
BEL	111831	1.82	109800	513 (7.97)	529 (2.34)	. (.)
CAN	330436	9.70	298375	529 (4.93)	534 (1.72)	. (.)
CZE	121183	4.06	116258	553 (13.25)	522 (3.09)	. (.)
DNK	51741	0.65	51406	527 (12.73)	517 (2.58)	. (.)
FIN	57884	0.07	57845	489 (15.15)	548 (1.86)	. (.)
FRA	734579	0.87	728167	530 (14.56)	520 (2.58)	. (.)
DEU	884358	5.57	835070	539 (12.20)	518 (3.47)	. (.)
GRC	105131	0.13	104991	361 (9.63)	451 (3.92)	. (.)
HUN	107044	0.06	106984	552 (10.45)	499 (2.98)	. (.)
ISL	3928	0.63	3903	414 (11.55)	507 (1.38)	. (.)
IRL	54850	1.03	54285	502 (6.26)	498 (2.43)	. (.)
ITA	481521	0.21	480519	429 (21.36)	470 (3.02)	. (.)
JPN	1240054	0.10	1238855	495 (17.39)	548 (4.06)	. (.)
KOR	533504	0.04	533302	548 (13.78)	551 (3.02)	. (.)
LUX	4080	0.13	4075	451 (8.84)	495 (1.39)	. (.)
MEX	1071650	0.37	1067674	413 (21.24)	383 (3.86)	. (.)
NLD	184943	3.09	179228	546 (8.70)	521 (3.27)	. (.)
NZL	48638	0.72	48288	527 (8.18)	534 (2.06)	. (.)
NOR	52816	0.77	52407	446 (27.73)	491 (2.58)	. (.)
POL	534900	.	534900	454 (11.52)	488 (2.72)	. (.)
PRT	96857	0.23	96637	430 (9.08)	472 (3.93)	. (.)
SVK	77067	0.09	76997	505 (15.18)	491 (3.47)	. (.)
ESP	344372	0.07	344114	498 (5.83)	481 (2.88)	. (.)
SWE	107104	0.25	106838	398 (28.17)	510 (2.43)	. (.)
CHE	86491	0.14	86370	445 (17.31)	522 (3.06)	. (.)
TUR	481279	0.03	481137	368 (10.82)	411 (6.31)	. (.)
GBR	698579	3.61	673362	535 (7.03)	507 (2.75)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	488 (4.07)	495 (1.23)	392 (23.93)
AVG	.	4.53	.	496 (2.96)	502 (0.65)	408 (20.52)
HKG	72484	0.21	72334	534 (7.58)	550 (4.11)	. (.)
IDN	1971476	0.19	1967646	346 (5.52)	367 (3.91)	. (.)
LVA	33643	0.22	33570	453 (14.30)	483 (3.89)	. (.)
LIE	338	.	338	. (.)	529 (4.00)	. (.)
MAC	6546	.	6546	523 (8.87)	533 (2.80)	. (.)
RUS	2153373	0.02	2152991	407 (10.31)	481 (4.48)	. (.)
YUG	68596	0.54	68226	360 (12.22)	422 (3.31)	. (.)
THA	637076	.	637076	429 (3.76)	423 (2.84)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	453 (12.12)	409 (3.83)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Previously, family members attended this school.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	37.90	(0.83)	62.03	(0.84)	0.07	(.)
AUT	85931	1.08	85003	19.33	(0.73)	80.63	(0.73)	0.04	(.)
BEL	111831	1.82	109800	34.00	(0.77)	65.98	(0.77)	0.02	(.)
CAN	330436	9.70	298375	36.23	(0.68)	63.77	(0.68)	.	(.)
CZE	121183	4.06	116258	20.15	(0.72)	79.85	(0.72)	.	(.)
DNK	51741	0.65	51406	26.20	(0.88)	73.80	(0.88)	.	(.)
FIN	57884	0.07	57845	23.27	(0.79)	76.73	(0.79)	.	(.)
FRA	734579	0.87	728167	32.12	(0.97)	67.88	(0.97)	.	(.)
DEU	884358	5.57	835070	24.70	(0.76)	75.30	(0.76)	.	(.)
GRC	105131	0.13	104991	16.60	(0.91)	83.14	(0.92)	0.25	(.)
HUN	107044	0.06	106984	25.17	(0.91)	74.81	(0.91)	0.02	(.)
ISL	3928	0.63	3903	21.42	(0.72)	78.49	(0.71)	0.09	(.)
IRL	54850	1.03	54285	48.66	(0.97)	51.34	(0.97)	.	(.)
ITA	481521	0.21	480519	13.59	(0.57)	86.41	(0.57)	.	(.)
JPN	1240054	0.10	1238855	9.80	(0.60)	90.20	(0.60)	.	(.)
KOR	533504	0.04	533302	10.31	(0.54)	89.65	(0.54)	0.04	(.)
LUX	4080	0.10	4076	26.51	(0.66)	73.32	(0.67)	0.18	(.)
MEX	1071650	0.37	1067674	30.60	(0.97)	69.39	(0.97)	0.00	(.)
NLD	184943	3.09	179228	30.48	(1.01)	69.52	(1.01)	.	(.)
NZL	48638	0.72	48288	38.53	(0.97)	61.44	(0.97)	0.02	(.)
NOR	52816	0.77	52407	16.11	(0.63)	83.85	(0.63)	0.05	(.)
POL	534900	.	534900	14.30	(0.62)	85.70	(0.62)	.	(.)
PRT	96857	0.23	96637	22.96	(0.77)	77.04	(0.77)	.	(.)
SVK	77067	0.09	76997	22.57	(0.75)	77.43	(0.75)	.	(.)
ESP	344372	0.07	344114	33.53	(1.04)	66.47	(1.04)	.	(.)
SWE	107104	0.25	106838	16.66	(0.74)	83.32	(0.74)	0.02	(.)
CHE	86491	0.14	86370	17.12	(0.57)	82.84	(0.57)	0.03	(.)
TUR	481279	0.03	481137	17.58	(0.86)	82.42	(0.86)	.	(.)
GBR	698579	3.61	673362	43.20	(0.94)	56.79	(0.94)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.19	.	23.93	(0.24)	76.06	(0.24)	0.01	(0.00)
AVG	.	4.53	.	25.09	(0.17)	74.88	(0.17)	0.03	(0.00)
HKG	72484	0.21	72334	14.97	(0.61)	85.03	(0.61)	.	(.)
IDN	1971476	0.19	1967646	20.91	(0.77)	79.07	(0.77)	0.02	(.)
LVA	33643	0.22	33570	33.10	(1.21)	66.88	(1.21)	0.01	(.)
LIE	338	.	338	20.24	(2.13)	79.76	(2.13)	.	(.)
MAC	6546	.	6546	30.15	(1.66)	69.85	(1.66)	.	(.)
RUS	2153373	0.02	2152991	23.25	(0.87)	76.73	(0.87)	0.02	(.)
YUG	68596	0.54	68226	12.79	(0.68)	87.15	(0.68)	0.06	(.)
THA	637076	.	637076	50.99	(0.83)	49.01	(0.83)	.	(.)
TUN	150875	0.07	150770	44.58	(1.19)	55.40	(1.19)	0.02	(.)
URY	33775	0.15	33724	25.51	(0.93)	74.49	(0.93)	.	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Previously, family members attended this school.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	524 (2.37)	527 (2.58)	. (.)
AUT	85931	1.08	85003	488 (5.68)	495 (3.57)	. (.)
BEL	111831	1.82	109800	524 (3.02)	503 (3.31)	. (.)
CAN	330436	9.70	298375	529 (1.93)	532 (1.89)	. (.)
CZE	121183	4.06	116258	489 (4.68)	498 (2.73)	. (.)
DNK	51741	0.65	51406	491 (3.70)	493 (3.14)	. (.)
FIN	57884	0.07	57845	537 (2.92)	545 (1.82)	. (.)
FRA	734579	0.87	728167	499 (4.09)	497 (2.89)	. (.)
DEU	884358	5.57	835070	508 (4.67)	499 (3.67)	. (.)
GRC	105131	0.13	104991	484 (5.74)	470 (4.32)	. (.)
HUN	107044	0.06	106984	483 (4.22)	482 (2.76)	. (.)
ISL	3928	0.63	3903	472 (3.94)	498 (1.88)	. (.)
IRL	54850	1.03	54285	514 (2.83)	516 (3.46)	. (.)
ITA	481521	0.21	480519	472 (4.88)	476 (3.11)	. (.)
JPN	1240054	0.10	1238855	505 (6.15)	498 (4.09)	. (.)
KOR	533504	0.04	533302	525 (4.44)	535 (3.21)	. (.)
LUX	4080	0.10	4076	488 (2.96)	477 (1.86)	. (.)
MEX	1071650	0.37	1067674	395 (4.63)	402 (4.50)	. (.)
NLD	184943	3.09	179228	524 (3.70)	515 (2.92)	. (.)
NZL	48638	0.72	48288	518 (2.93)	525 (2.81)	. (.)
NOR	52816	0.77	52407	489 (5.30)	503 (2.78)	. (.)
POL	534900	.	534900	496 (4.44)	497 (3.01)	. (.)
PRT	96857	0.23	96637	475 (5.18)	478 (3.67)	. (.)
SVK	77067	0.09	76997	467 (3.43)	470 (3.42)	. (.)
ESP	344372	0.07	344114	488 (3.40)	477 (2.77)	. (.)
SWE	107104	0.25	106838	504 (4.15)	517 (2.49)	. (.)
CHE	86491	0.14	86370	497 (4.41)	500 (3.44)	. (.)
TUR	481279	0.03	481137	420 (5.24)	445 (6.31)	. (.)
GBR	698579	3.61	673362	506 (2.51)	507 (3.74)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	484 (1.54)	487 (1.16)	406 (20.98)
AVG	.	4.53	.	496 (0.81)	495 (0.72)	395 (20.25)
HKG	72484	0.21	72334	520 (4.80)	508 (3.87)	. (.)
IDN	1971476	0.19	1967646	377 (4.76)	383 (3.37)	. (.)
LVA	33643	0.22	33570	486 (3.82)	493 (4.39)	. (.)
LIE	338	.	338	508 (10.49)	529 (4.19)	. (.)
MAC	6546	.	6546	502 (4.92)	496 (2.37)	. (.)
RUS	2153373	0.02	2152991	433 (4.54)	445 (4.23)	. (.)
YUG	68596	0.54	68226	402 (6.55)	414 (3.49)	. (.)
THA	637076	.	637076	423 (3.31)	417 (2.99)	. (.)
TUN	150875	0.07	150770	375 (3.57)	375 (3.40)	. (.)
URY	33775	0.15	33724	435 (5.07)	434 (3.80)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Previously, family members attended this school.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	524 (2.48)	525 (2.55)	. (.)
AUT	85931	1.08	85003	505 (5.48)	508 (3.20)	. (.)
BEL	111831	1.82	109800	547 (2.86)	526 (2.82)	. (.)
CAN	330436	9.70	298375	535 (2.10)	536 (1.85)	. (.)
CZE	121183	4.06	116258	511 (5.26)	525 (3.10)	. (.)
DNK	51741	0.65	51406	515 (3.54)	514 (3.01)	. (.)
FIN	57884	0.07	57845	534 (3.02)	547 (1.98)	. (.)
FRA	734579	0.87	728167	511 (3.66)	512 (2.66)	. (.)
DEU	884358	5.57	835070	519 (4.63)	508 (3.62)	. (.)
GRC	105131	0.13	104991	454 (4.21)	444 (4.21)	. (.)
HUN	107044	0.06	106984	489 (3.83)	490 (3.12)	. (.)
ISL	3928	0.63	3903	505 (3.35)	518 (1.81)	. (.)
IRL	54850	1.03	54285	502 (2.66)	503 (3.19)	. (.)
ITA	481521	0.21	480519	465 (4.82)	466 (3.17)	. (.)
JPN	1240054	0.10	1238855	539 (6.03)	534 (4.22)	. (.)
KOR	533504	0.04	533302	533 (5.45)	543 (3.27)	. (.)
LUX	4080	0.10	4076	505 (2.64)	489 (1.31)	. (.)
MEX	1071650	0.37	1067674	381 (4.04)	387 (4.10)	. (.)
NLD	184943	3.09	179228	549 (3.61)	540 (3.27)	. (.)
NZL	48638	0.72	48288	518 (2.86)	528 (2.67)	. (.)
NOR	52816	0.77	52407	483 (4.58)	498 (2.44)	. (.)
POL	534900	.	534900	490 (4.78)	490 (2.55)	. (.)
PRT	96857	0.23	96637	464 (4.63)	467 (3.44)	. (.)
SVK	77067	0.09	76997	495 (3.84)	499 (3.58)	. (.)
ESP	344372	0.07	344114	489 (2.86)	483 (2.73)	. (.)
SWE	107104	0.25	106838	500 (4.26)	511 (2.60)	. (.)
CHE	86491	0.14	86370	523 (4.80)	527 (3.45)	. (.)
TUR	481279	0.03	481137	400 (6.11)	429 (7.28)	. (.)
GBR	698579	3.61	673362	505 (2.55)	509 (3.78)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	487 (1.59)	494 (1.20)	420 (17.24)
AVG	.	4.53	.	502 (0.84)	501 (0.71)	432 (15.68)
HKG	72484	0.21	72334	562 (5.45)	548 (4.77)	. (.)
IDN	1971476	0.19	1967646	357 (5.54)	361 (4.05)	. (.)
LVA	33643	0.22	33570	481 (3.80)	485 (4.32)	. (.)
LIE	338	.	338	523 (12.26)	539 (4.96)	. (.)
MAC	6546	.	6546	532 (6.70)	525 (3.18)	. (.)
RUS	2153373	0.02	2152991	459 (4.10)	471 (4.55)	. (.)
YUG	68596	0.54	68226	431 (6.40)	438 (3.67)	. (.)
THA	637076	.	637076	420 (3.28)	413 (3.42)	. (.)
TUN	150875	0.07	150770	358 (2.73)	360 (3.24)	. (.)
URY	33775	0.15	33724	422 (4.23)	423 (3.57)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Previously, family members attended this school.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	522 (2.51)	528 (2.44)	. (.)
AUT	85931	1.08	85003	485 (5.61)	495 (3.39)	. (.)
BEL	111831	1.82	109800	523 (3.04)	506 (3.03)	. (.)
CAN	330436	9.70	298375	519 (2.43)	525 (2.05)	. (.)
CZE	121183	4.06	116258	517 (5.05)	531 (3.04)	. (.)
DNK	51741	0.65	51406	480 (3.66)	474 (3.41)	. (.)
FIN	57884	0.07	57845	535 (3.12)	552 (2.09)	. (.)
FRA	734579	0.87	728167	510 (4.72)	513 (3.21)	. (.)
DEU	884358	5.57	835070	521 (5.14)	508 (3.86)	. (.)
GRC	105131	0.13	104991	491 (4.64)	479 (4.07)	. (.)
HUN	107044	0.06	106984	498 (4.25)	505 (2.97)	. (.)
ISL	3928	0.63	3903	480 (3.86)	499 (1.81)	. (.)
IRL	54850	1.03	54285	502 (3.08)	508 (3.41)	. (.)
ITA	481521	0.21	480519	477 (5.70)	488 (3.21)	. (.)
JPN	1240054	0.10	1238855	553 (6.09)	547 (4.34)	. (.)
KOR	533504	0.04	533302	535 (5.87)	539 (3.59)	. (.)
LUX	4080	0.10	4076	495 (3.56)	479 (1.70)	. (.)
MEX	1071650	0.37	1067674	403 (3.67)	406 (4.03)	. (.)
NLD	184943	3.09	179228	533 (4.21)	526 (3.53)	. (.)
NZL	48638	0.72	48288	511 (3.10)	528 (2.81)	. (.)
NOR	52816	0.77	52407	465 (5.76)	488 (2.94)	. (.)
POL	534900	.	534900	498 (5.24)	498 (2.99)	. (.)
PRT	96857	0.23	96637	465 (4.89)	469 (3.45)	. (.)
SVK	77067	0.09	76997	493 (4.44)	496 (3.97)	. (.)
ESP	344372	0.07	344114	494 (3.32)	484 (2.83)	. (.)
SWE	107104	0.25	106838	491 (5.56)	510 (2.79)	. (.)
CHE	86491	0.14	86370	503 (5.55)	515 (3.82)	. (.)
TUR	481279	0.03	481137	408 (5.19)	440 (6.36)	. (.)
GBR	698579	3.61	673362	514 (2.70)	521 (3.87)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	492 (1.47)	500 (1.13)	428 (27.21)
AVG	.	4.53	.	498 (0.82)	502 (0.68)	400 (18.15)
HKG	72484	0.21	72334	550 (5.06)	538 (4.56)	. (.)
IDN	1971476	0.19	1967646	392 (4.09)	396 (3.28)	. (.)
LVA	33643	0.22	33570	483 (3.82)	492 (4.60)	. (.)
LIE	338	.	338	506 (12.69)	530 (4.97)	. (.)
MAC	6546	.	6546	535 (6.68)	520 (3.42)	. (.)
RUS	2153373	0.02	2152991	479 (4.65)	492 (4.42)	. (.)
YUG	68596	0.54	68226	442 (6.48)	436 (3.41)	. (.)
THA	637076	.	637076	433 (3.06)	425 (3.04)	. (.)
TUN	150875	0.07	150770	385 (3.06)	384 (3.36)	. (.)
URY	33775	0.15	33724	443 (4.66)	437 (3.17)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Previously, family members attended this school.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.26)	530 (2.39)	. (.)
AUT	85931	1.08	85003	507 (5.28)	508 (3.05)	. (.)
BEL	111831	1.82	109800	540 (2.90)	522 (2.72)	. (.)
CAN	330436	9.70	298375	529 (2.19)	536 (1.86)	. (.)
CZE	121183	4.06	116258	516 (5.28)	524 (2.94)	. (.)
DNK	51741	0.65	51406	523 (3.22)	515 (2.84)	. (.)
FIN	57884	0.07	57845	539 (3.09)	550 (2.00)	. (.)
FRA	734579	0.87	728167	518 (3.87)	521 (2.81)	. (.)
DEU	884358	5.57	835070	532 (4.53)	515 (3.59)	. (.)
GRC	105131	0.13	104991	460 (4.82)	446 (4.30)	. (.)
HUN	107044	0.06	106984	502 (4.43)	501 (3.12)	. (.)
ISL	3928	0.63	3903	493 (3.80)	508 (1.82)	. (.)
IRL	54850	1.03	54285	496 (2.68)	500 (3.03)	. (.)
ITA	481521	0.21	480519	472 (5.32)	470 (3.15)	. (.)
JPN	1240054	0.10	1238855	550 (6.16)	547 (4.27)	. (.)
KOR	533504	0.04	533302	541 (4.95)	552 (3.11)	. (.)
LUX	4080	0.10	4076	507 (3.33)	489 (1.42)	. (.)
MEX	1071650	0.37	1067674	378 (5.32)	387 (4.71)	. (.)
NLD	184943	3.09	179228	533 (3.44)	519 (3.39)	. (.)
NZL	48638	0.72	48288	526 (2.76)	538 (2.49)	. (.)
NOR	52816	0.77	52407	479 (4.79)	493 (2.68)	. (.)
POL	534900	.	534900	486 (4.93)	487 (2.85)	. (.)
PRT	96857	0.23	96637	471 (4.96)	470 (3.89)	. (.)
SVK	77067	0.09	76997	488 (3.74)	493 (3.64)	. (.)
ESP	344372	0.07	344114	488 (3.39)	480 (3.02)	. (.)
SWE	107104	0.25	106838	503 (4.51)	510 (2.46)	. (.)
CHE	86491	0.14	86370	516 (4.65)	522 (3.07)	. (.)
TUR	481279	0.03	481137	390 (5.72)	411 (6.51)	. (.)
GBR	698579	3.61	673362	508 (2.45)	511 (3.54)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.19	.	489 (1.77)	496 (1.28)	414 (24.26)
AVG	.	4.53	.	502 (0.85)	501 (0.72)	422 (19.46)
HKG	72484	0.21	72334	555 (5.20)	547 (4.41)	. (.)
IDN	1971476	0.19	1967646	359 (4.25)	362 (3.44)	. (.)
LVA	33643	0.22	33570	481 (4.17)	484 (4.60)	. (.)
LIE	338	.	338	518 (10.92)	532 (4.90)	. (.)
MAC	6546	.	6546	535 (6.15)	531 (2.90)	. (.)
RUS	2153373	0.02	2152991	470 (4.69)	481 (4.97)	. (.)
YUG	68596	0.54	68226	409 (5.84)	422 (3.26)	. (.)
THA	637076	.	637076	430 (3.14)	420 (3.00)	. (.)
TUN	150875	0.07	150770	344 (2.73)	345 (2.70)	. (.)
URY	33775	0.15	33724	411 (5.04)	410 (4.02)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?

Other reasons.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick %	Tick (SE)	No Tick %	No Tick (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	32.64	(0.78)	67.28	(0.78)	0.08	(.)
AUT	85931	1.08	85003	37.29	(1.10)	62.65	(1.10)	0.06	(.)
BEL	111831	1.82	109800	40.84	(0.74)	59.15	(0.74)	0.01	(.)
CAN	330436	9.70	298375	40.36	(0.71)	59.64	(0.71)	.	(.)
CZE	121183	4.06	116258	34.80	(1.02)	65.14	(1.01)	0.06	(.)
DNK	51741	0.65	51406	35.65	(1.35)	64.35	(1.35)	.	(.)
FIN	57884	0.07	57845	14.62	(0.93)	85.38	(0.93)	.	(.)
FRA	734579	0.87	728167	27.12	(1.07)	72.88	(1.07)	.	(.)
DEU	884358	5.57	835070	30.60	(0.81)	68.50	(0.85)	0.89	(0.18)
GRC	105131	0.13	104991	35.54	(1.06)	64.15	(1.05)	0.32	(.)
HUN	107044	0.06	106984	46.40	(1.11)	53.58	(1.10)	0.02	(.)
ISL	3928	0.63	3903	23.78	(0.73)	76.10	(0.72)	0.11	(.)
IRL	54850	1.03	54285	31.72	(0.90)	68.28	(0.90)	.	(.)
ITA	481521	0.21	480519	35.80	(0.85)	64.20	(0.85)	.	(.)
JPN	1240054	0.10	1238855	56.61	(1.28)	43.39	(1.28)	.	(.)
KOR	533504	0.04	533302	50.00	(1.70)	49.96	(1.69)	0.04	(.)
LUX	4080	0.10	4076	53.22	(0.83)	46.57	(0.82)	0.20	(.)
MEX	1071650	0.37	1067674	43.13	(1.22)	56.86	(1.22)	0.00	(.)
NLD	184943	3.09	179228	52.79	(1.49)	47.21	(1.49)	.	(.)
NZL	48638	0.69	48300	36.47	(0.97)	63.49	(0.97)	0.05	(.)
NOR	52816	0.77	52407	10.16	(0.59)	89.80	(0.58)	0.05	(.)
POL	534900	.	534900	20.04	(0.88)	79.96	(0.88)	.	(.)
PRT	96857	0.23	96637	27.57	(0.98)	72.43	(0.98)	.	(.)
SVK	77067	0.09	76997	37.43	(1.20)	62.57	(1.20)	.	(.)
ESP	344372	0.07	344114	45.33	(0.91)	54.67	(0.91)	.	(.)
SWE	107104	0.25	106838	16.70	(0.87)	83.28	(0.87)	0.02	(.)
CHE	86491	0.14	86370	26.15	(0.97)	73.73	(0.97)	0.12	(.)
TUR	481279	0.14	480622	48.92	(1.18)	51.03	(1.18)	0.05	(.)
GBR	698579	3.61	673362	23.35	(0.86)	76.65	(0.86)	0.00	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	27.20	.	38.34	(0.35)	61.56	(0.35)	0.10	(0.02)
AVG	.	4.53	.	34.99	(0.23)	64.93	(0.23)	0.07	(0.01)
HKG	72484	0.21	72334	25.12	(0.83)	74.88	(0.83)	.	(.)
IDN	1971476	0.19	1967646	34.34	(1.34)	65.64	(1.34)	0.02	(.)
LVA	33643	0.22	33570	40.33	(1.31)	59.61	(1.31)	0.05	(.)
LIE	338	.	338	37.25	(2.32)	62.75	(2.32)	.	(.)
MAC	6546	.	6546	30.04	(1.39)	69.96	(1.39)	.	(.)
RUS	2153373	0.02	2152991	32.15	(1.06)	67.84	(1.06)	0.02	(.)
YUG	68596	0.54	68226	48.30	(1.06)	51.64	(1.06)	0.06	(.)
THA	637076	.	637076	13.24	(0.75)	86.76	(0.75)	.	(.)
TUN	150875	0.07	150770	17.26	(0.66)	82.72	(0.67)	0.02	(.)
URY	33775	0.15	33724	44.07	(1.09)	55.90	(1.09)	0.03	(.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?

Other reasons.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (3.16)	523 (2.48)	. (.)
AUT	85931	1.08	85003	492 (4.73)	494 (4.09)	. (.)
BEL	111831	1.82	109800	511 (3.80)	510 (2.81)	. (.)
CAN	330436	9.70	298375	521 (2.19)	538 (1.86)	. (.)
CZE	121183	4.06	116258	499 (3.49)	494 (3.16)	. (.)
DNK	51741	0.65	51406	485 (4.11)	497 (2.88)	. (.)
FIN	57884	0.07	57845	537 (3.82)	545 (1.61)	. (.)
FRA	734579	0.87	728167	491 (4.83)	500 (2.67)	. (.)
DEU	884358	5.57	835070	506 (4.36)	499 (3.90)	509 (19.65)
GRC	105131	0.13	104991	465 (4.67)	477 (4.51)	. (.)
HUN	107044	0.06	106984	472 (2.75)	491 (3.17)	. (.)
ISL	3928	0.63	3903	468 (3.88)	500 (1.92)	. (.)
IRL	54850	1.03	54285	527 (3.49)	510 (2.95)	. (.)
ITA	481521	0.21	480519	485 (3.53)	471 (3.55)	. (.)
JPN	1240054	0.10	1238855	495 (4.27)	503 (4.74)	. (.)
KOR	533504	0.04	533302	528 (3.14)	540 (3.72)	. (.)
LUX	4080	0.10	4076	481 (1.76)	478 (2.56)	. (.)
MEX	1071650	0.37	1067674	420 (4.31)	385 (4.69)	. (.)
NLD	184943	3.09	179228	522 (3.14)	513 (3.61)	. (.)
NZL	48638	0.69	48300	524 (3.66)	521 (2.66)	. (.)
NOR	52816	0.77	52407	465 (5.85)	504 (2.74)	. (.)
POL	534900	.	534900	501 (4.20)	495 (2.98)	. (.)
PRT	96857	0.23	96637	487 (4.16)	474 (4.00)	. (.)
SVK	77067	0.09	76997	470 (3.83)	469 (3.58)	. (.)
ESP	344372	0.07	344114	477 (3.20)	483 (2.87)	. (.)
SWE	107104	0.25	106838	492 (5.15)	519 (2.42)	. (.)
CHE	86491	0.14	86370	504 (6.67)	497 (2.60)	. (.)
TUR	481279	0.14	480622	448 (5.96)	435 (7.04)	. (.)
GBR	698579	3.61	673362	504 (4.15)	507 (2.75)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.20	.	486 (1.36)	486 (1.26)	495 (16.99)
AVG	.	4.53	.	492 (0.80)	497 (0.69)	462 (13.17)
HKG	72484	0.21	72334	512 (4.98)	509 (3.53)	. (.)
IDN	1971476	0.19	1967646	392 (3.42)	376 (4.10)	. (.)
LVA	33643	0.22	33570	489 (4.56)	492 (3.98)	. (.)
LIE	338	.	338	524 (7.06)	526 (5.63)	. (.)
MAC	6546	.	6546	501 (3.69)	496 (2.89)	. (.)
RUS	2153373	0.02	2152991	441 (4.79)	443 (3.96)	. (.)
YUG	68596	0.54	68226	421 (3.60)	404 (4.18)	. (.)
THA	637076	.	637076	424 (4.41)	419 (2.91)	. (.)
TUN	150875	0.07	150770	383 (4.96)	373 (2.83)	. (.)
URY	33775	0.15	33724	448 (4.24)	423 (4.29)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Other reasons.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (3.17)	522 (2.35)	. (.)
AUT	85931	1.08	85003	504 (4.36)	509 (3.73)	. (.)
BEL	111831	1.82	109800	530 (3.45)	534 (2.46)	. (.)
CAN	330436	9.70	298375	528 (2.15)	541 (1.77)	. (.)
CZE	121183	4.06	116258	522 (3.58)	523 (3.55)	. (.)
DNK	51741	0.65	51406	502 (4.07)	522 (2.86)	. (.)
FIN	57884	0.07	57845	535 (3.89)	546 (1.80)	. (.)
FRA	734579	0.87	728167	502 (4.21)	516 (2.56)	. (.)
DEU	884358	5.57	835070	513 (3.99)	510 (3.78)	513 (21.40)
GRC	105131	0.13	104991	443 (4.59)	447 (4.24)	. (.)
HUN	107044	0.06	106984	480 (3.10)	499 (3.65)	. (.)
ISL	3928	0.63	3903	493 (3.49)	522 (1.70)	. (.)
IRL	54850	1.03	54285	509 (3.33)	500 (2.60)	. (.)
ITA	481521	0.21	480519	475 (3.15)	461 (3.69)	. (.)
JPN	1240054	0.10	1238855	530 (4.30)	540 (4.87)	. (.)
KOR	533504	0.04	533302	535 (3.32)	550 (4.12)	. (.)
LUX	4080	0.10	4076	493 (1.40)	493 (2.10)	. (.)
MEX	1071650	0.37	1067674	401 (4.23)	374 (4.04)	. (.)
NLD	184943	3.09	179228	547 (3.59)	538 (3.42)	. (.)
NZL	48638	0.69	48300	524 (3.29)	525 (2.44)	. (.)
NOR	52816	0.77	52407	462 (4.76)	499 (2.40)	. (.)
POL	534900	.	534900	498 (4.06)	488 (2.66)	. (.)
PRT	96857	0.23	96637	472 (3.98)	464 (3.74)	. (.)
SVK	77067	0.09	76997	499 (3.49)	498 (3.96)	. (.)
ESP	344372	0.07	344114	487 (2.96)	484 (2.56)	. (.)
SWE	107104	0.25	106838	481 (5.03)	515 (2.46)	. (.)
CHE	86491	0.14	86370	533 (6.60)	524 (2.80)	. (.)
TUR	481279	0.14	480622	429 (6.61)	418 (7.93)	. (.)
GBR	698579	3.61	673362	508 (4.10)	508 (2.63)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.20	.	493 (1.45)	492 (1.26)	501 (18.08)
AVG	.	4.53	.	499 (0.84)	503 (0.69)	476 (12.87)
HKG	72484	0.21	72334	548 (5.92)	551 (4.48)	. (.)
IDN	1971476	0.19	1967646	369 (3.91)	356 (4.71)	. (.)
LVA	33643	0.22	33570	480 (4.81)	486 (3.84)	. (.)
LIE	338	.	338	531 (7.42)	539 (5.81)	. (.)
MAC	6546	.	6546	532 (5.11)	525 (4.04)	. (.)
RUS	2153373	0.02	2152991	467 (5.18)	469 (4.31)	. (.)
YUG	68596	0.54	68226	443 (3.83)	431 (4.40)	. (.)
THA	637076	.	637076	414 (4.78)	417 (3.03)	. (.)
TUN	150875	0.07	150770	372 (4.69)	356 (2.45)	. (.)
URY	33775	0.15	33724	434 (3.59)	413 (3.84)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Other reasons.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (3.38)	523 (2.19)	. (.)
AUT	85931	1.08	85003	490 (4.74)	494 (3.80)	. (.)
BEL	111831	1.82	109800	513 (3.49)	511 (2.75)	. (.)
CAN	330436	9.70	298375	511 (2.32)	530 (2.05)	. (.)
CZE	121183	4.06	116258	530 (3.70)	527 (3.42)	. (.)
DNK	51741	0.65	51406	466 (4.23)	481 (3.11)	. (.)
FIN	57884	0.07	57845	545 (4.20)	549 (1.91)	. (.)
FRA	734579	0.87	728167	502 (4.93)	516 (3.19)	. (.)
DEU	884358	5.57	835070	513 (4.41)	510 (4.10)	525 (23.92)
GRC	105131	0.13	104991	474 (4.55)	485 (4.09)	. (.)
HUN	107044	0.06	106984	497 (3.06)	509 (3.60)	. (.)
ISL	3928	0.63	3903	474 (3.74)	502 (1.64)	. (.)
IRL	54850	1.03	54285	509 (3.75)	503 (3.07)	. (.)
ITA	481521	0.21	480519	495 (3.55)	482 (3.79)	. (.)
JPN	1240054	0.10	1238855	542 (4.36)	555 (5.12)	. (.)
KOR	533504	0.04	533302	531 (3.66)	546 (4.44)	. (.)
LUX	4080	0.10	4076	483 (1.68)	482 (2.79)	. (.)
MEX	1071650	0.37	1067674	419 (4.06)	395 (3.73)	. (.)
NLD	184943	3.09	179228	530 (3.80)	526 (4.27)	. (.)
NZL	48638	0.69	48300	521 (3.66)	522 (2.70)	. (.)
NOR	52816	0.77	52407	440 (6.40)	490 (2.78)	. (.)
POL	534900	.	534900	506 (4.85)	496 (3.01)	. (.)
PRT	96857	0.23	96637	473 (4.22)	466 (3.68)	. (.)
SVK	77067	0.09	76997	497 (3.67)	494 (4.55)	. (.)
ESP	344372	0.07	344114	486 (3.31)	488 (2.70)	. (.)
SWE	107104	0.25	106838	482 (5.63)	511 (2.71)	. (.)
CHE	86491	0.14	86370	516 (7.76)	512 (2.97)	. (.)
TUR	481279	0.14	480622	440 (5.89)	429 (6.86)	. (.)
GBR	698579	3.61	673362	520 (4.29)	518 (2.80)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.20	.	499 (1.33)	498 (1.20)	511 (20.28)
AVG	.	4.53	.	498 (0.76)	502 (0.66)	473 (14.03)
HKG	72484	0.21	72334	536 (5.65)	541 (4.18)	. (.)
IDN	1971476	0.19	1967646	402 (3.41)	392 (3.92)	. (.)
LVA	33643	0.22	33570	487 (5.04)	491 (4.10)	. (.)
LIE	338	.	338	521 (8.03)	528 (6.58)	. (.)
MAC	6546	.	6546	521 (5.21)	526 (4.26)	. (.)
RUS	2153373	0.02	2152991	489 (5.34)	489 (4.14)	. (.)
YUG	68596	0.54	68226	444 (3.63)	430 (4.15)	. (.)
THA	637076	.	637076	423 (4.35)	430 (2.75)	. (.)
TUN	150875	0.07	150770	395 (4.90)	383 (2.49)	. (.)
URY	33775	0.15	33724	447 (3.36)	432 (3.69)	. (.)

Student Questionnaire – Question 25

Q25 Which of the following are reasons why you attend this school?
Other reasons.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Tick mean (SE)	No Tick mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	536 (2.95)	527 (2.22)	. (.)
AUT	85931	1.08	85003	507 (4.10)	508 (3.50)	. (.)
BEL	111831	1.82	109800	530 (3.24)	527 (2.47)	. (.)
CAN	330436	9.70	298375	524 (2.09)	540 (1.70)	. (.)
CZE	121183	4.06	116258	523 (3.56)	522 (3.40)	. (.)
DNK	51741	0.65	51406	506 (3.79)	523 (2.67)	. (.)
FIN	57884	0.07	57845	542 (4.66)	549 (1.85)	. (.)
FRA	734579	0.87	728167	515 (4.36)	522 (2.71)	. (.)
DEU	884358	5.57	835070	523 (4.03)	517 (3.63)	520 (19.35)
GRC	105131	0.13	104991	444 (4.89)	451 (4.39)	. (.)
HUN	107044	0.06	106984	491 (3.01)	510 (3.68)	. (.)
ISL	3928	0.63	3903	483 (3.62)	512 (1.72)	. (.)
IRL	54850	1.03	54285	505 (3.20)	495 (2.50)	. (.)
ITA	481521	0.21	480519	477 (3.39)	466 (3.70)	. (.)
JPN	1240054	0.10	1238855	545 (4.47)	551 (4.97)	. (.)
KOR	533504	0.04	533302	543 (3.16)	558 (3.75)	. (.)
LUX	4080	0.10	4076	494 (1.55)	493 (2.39)	. (.)
MEX	1071650	0.37	1067674	407 (5.15)	368 (4.43)	. (.)
NLD	184943	3.09	179228	525 (3.71)	521 (3.41)	. (.)
NZL	48638	0.69	48300	536 (3.31)	532 (2.35)	. (.)
NOR	52816	0.77	52407	453 (5.49)	495 (2.62)	. (.)
POL	534900	.	534900	495 (4.34)	484 (2.99)	. (.)
PRT	96857	0.23	96637	477 (4.37)	468 (4.17)	. (.)
SVK	77067	0.09	76997	492 (3.38)	492 (4.03)	. (.)
ESP	344372	0.07	344114	485 (3.34)	480 (3.01)	. (.)
SWE	107104	0.25	106838	489 (4.56)	513 (2.37)	. (.)
CHE	86491	0.14	86370	528 (5.89)	519 (2.66)	. (.)
TUR	481279	0.14	480622	414 (5.78)	401 (7.49)	. (.)
GBR	698579	3.61	673362	511 (4.02)	509 (2.62)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	27.20	.	498 (1.55)	493 (1.39)	505 (16.77)
AVG	.	4.53	.	500 (0.83)	502 (0.73)	475 (13.77)
HKG	72484	0.21	72334	547 (5.18)	548 (4.17)	. (.)
IDN	1971476	0.19	1967646	371 (3.59)	356 (4.03)	. (.)
LVA	33643	0.22	33570	478 (5.00)	486 (4.12)	. (.)
LIE	338	.	338	525 (7.66)	532 (5.78)	. (.)
MAC	6546	.	6546	535 (4.48)	531 (3.49)	. (.)
RUS	2153373	0.02	2152991	480 (5.68)	478 (4.73)	. (.)
YUG	68596	0.54	68226	428 (3.53)	414 (4.03)	. (.)
THA	637076	.	637076	422 (5.15)	425 (2.67)	. (.)
TUN	150875	0.07	150770	347 (4.14)	344 (2.13)	. (.)
URY	33775	0.15	33724	422 (4.40)	402 (4.42)	. (.)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Students get along well with most teachers.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.32	234828	7.60	(0.27)	69.53	(0.54)	18.29	(0.53)	3.44	(0.29)	1.14	(0.10)
AUT	85931	1.08	85003	16.06	(0.64)	56.20	(0.91)	22.24	(0.89)	4.85	(0.42)	0.65	(0.14)
BEL	111831	1.82	109800	7.97	(0.40)	59.75	(0.73)	25.21	(0.59)	5.60	(0.32)	1.48	(0.14)
CAN	330436	9.70	298375	7.54	(0.34)	64.77	(0.47)	21.89	(0.45)	4.20	(0.21)	1.61	(0.12)
CZE	121183	4.06	116258	5.08	(0.40)	57.88	(1.01)	30.20	(0.94)	5.69	(0.32)	1.15	(0.16)
DNK	51741	0.65	51406	11.24	(0.58)	64.89	(0.85)	17.86	(0.75)	3.97	(0.36)	2.04	(0.23)
FIN	57884	0.07	57845	6.70	(0.38)	65.80	(0.80)	23.70	(0.79)	3.40	(0.31)	0.41	(.)
FRA	734579	0.87	728167	7.17	(0.53)	54.13	(1.04)	31.65	(0.93)	5.83	(0.42)	1.22	(0.18)
DEU	884358	5.57	835070	13.42	(0.67)	50.97	(0.85)	29.11	(0.75)	4.80	(0.39)	1.70	(0.23)
GRC	105131	0.13	104991	9.31	(0.63)	58.35	(1.06)	26.44	(1.08)	5.03	(0.40)	0.87	(0.19)
HUN	107044	0.06	106984	7.33	(0.56)	55.26	(0.99)	31.35	(1.01)	5.13	(0.38)	0.93	(0.17)
ISL	3928	0.63	3903	10.33	(0.54)	59.49	(0.86)	23.50	(0.73)	6.07	(0.34)	0.62	(.)
IRL	54850	1.05	54274	7.34	(0.60)	63.38	(0.84)	21.64	(0.84)	6.40	(0.35)	1.24	(0.19)
ITA	481521	0.20	480544	5.94	(0.42)	52.95	(0.96)	32.26	(0.76)	7.93	(0.49)	0.91	(0.16)
JPN	1240054	0.10	1238855	7.72	(0.47)	56.07	(0.89)	29.21	(0.84)	6.75	(0.44)	0.27	(.)
KOR	533504	0.04	533302	9.22	(0.66)	74.37	(0.62)	13.96	(0.64)	1.48	(0.18)	0.98	(0.14)
LUX	4080	0.10	4076	10.17	(0.50)	45.25	(0.71)	33.35	(0.73)	9.65	(0.44)	1.58	(0.21)
MEX	1071650	0.37	1067674	22.43	(0.77)	58.46	(0.68)	11.55	(0.45)	2.46	(0.25)	5.10	(0.39)
NLD	184943	3.11	179184	3.93	(0.41)	65.38	(1.20)	25.78	(0.88)	4.13	(0.47)	0.78	(.)
NZL	48638	1.72	47801	5.50	(0.38)	65.80	(0.71)	23.45	(0.60)	4.43	(0.33)	0.82	(0.14)
NOR	52816	0.77	52407	11.73	(0.74)	61.30	(0.82)	19.00	(0.80)	6.02	(0.44)	1.95	(0.25)
POL	534900	.	534900	8.65	(0.50)	57.10	(0.90)	26.89	(0.92)	5.90	(0.48)	1.46	(0.24)
PRT	96857	0.23	96637	12.32	(0.63)	70.64	(0.79)	14.90	(0.72)	1.52	(0.19)	0.62	(.)
SVK	77067	0.06	77021	5.46	(0.51)	58.22	(0.98)	30.62	(0.94)	4.23	(0.23)	1.47	(0.17)
ESP	344372	0.07	344114	7.79	(0.45)	53.94	(0.95)	28.81	(0.76)	8.30	(0.46)	1.16	(0.16)
SWE	107104	0.25	106838	12.21	(0.74)	66.95	(0.70)	16.01	(0.71)	3.15	(0.30)	1.68	(0.18)
CHE	86491	0.14	86370	13.28	(0.75)	54.82	(1.17)	24.22	(0.96)	5.39	(0.39)	2.29	(0.21)
TUR	481279	0.03	481137	23.65	(1.15)	52.44	(1.18)	15.83	(0.87)	3.54	(0.29)	4.53	(0.41)
GBR	698579	3.61	673362	5.94	(0.46)	63.97	(0.81)	23.86	(0.80)	5.20	(0.33)	1.04	(0.13)
USA	3147089	0.76	3123066	7.44	(0.51)	62.63	(0.79)	22.89	(0.64)	5.74	(0.38)	1.30	(0.19)
TOT	.	1.34	.	10.02	(0.18)	59.59	(0.30)	23.62	(0.22)	5.13	(0.14)	1.64	(0.07)
AVG	.	1.25	.	9.70	(0.11)	60.01	(0.18)	23.84	(0.14)	5.01	(0.07)	1.43	(0.04)
HKG	72484	0.21	72334	14.22	(0.82)	70.09	(0.95)	12.73	(0.94)	2.83	(0.31)	0.12	(.)
IDN	1971476	0.19	1967646	14.73	(0.65)	70.13	(0.88)	7.38	(0.43)	0.66	(0.11)	7.10	(0.49)
LVA	33643	0.22	33570	7.71	(0.52)	65.67	(0.97)	23.12	(0.91)	2.46	(0.26)	1.05	(0.18)
LIE	338	.	338	12.14	(1.73)	53.22	(2.57)	28.30	(2.42)	5.42	(.)	0.92	(.)
MAC	6546	.	6546	14.00	(1.13)	66.41	(1.55)	15.27	(1.07)	4.09	(0.72)	0.23	(.)
RUS	2153373	0.02	2152991	13.15	(0.71)	61.15	(0.75)	21.00	(0.66)	2.13	(0.21)	2.58	(0.31)
YUG	68596	0.53	68235	9.76	(0.62)	43.21	(1.01)	35.57	(1.11)	6.82	(0.50)	4.63	(0.40)
THA	637076	.	637076	19.72	(0.97)	73.19	(0.92)	6.01	(0.42)	0.46	(.)	0.62	(0.11)
TUN	150875	0.07	150770	24.28	(0.79)	37.36	(0.71)	26.55	(0.82)	8.37	(0.47)	3.44	(0.26)
URY	33775	0.15	33724	17.06	(0.68)	60.42	(1.10)	15.14	(0.69)	2.94	(0.29)	4.44	(0.34)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Students get along well with most teachers.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	544	(5.38)	534	(1.99)	504	(3.06)	463	(8.57)	429	(10.55)
AUT	85931	1.08	85003	487	(5.23)	503	(4.15)	486	(4.31)	451	(7.50)	410	(23.50)
BEL	111831	1.82	109800	481	(7.95)	525	(2.81)	503	(3.66)	461	(8.18)	388	(15.67)
CAN	330436	9.70	298375	540	(4.42)	540	(1.57)	516	(2.64)	487	(5.23)	474	(8.56)
CZE	121183	4.06	116258	474	(7.57)	506	(3.17)	488	(3.55)	475	(5.58)	404	(13.22)
DNK	51741	0.65	51406	500	(6.01)	499	(2.78)	482	(4.37)	459	(7.74)	408	(15.16)
FIN	57884	0.07	57845	537	(5.92)	550	(1.97)	534	(2.47)	505	(5.92)	.	(.)
FRA	734579	0.87	728167	475	(7.06)	509	(2.99)	493	(3.35)	458	(7.18)	387	(17.68)
DEU	884358	5.57	835070	483	(7.07)	515	(3.77)	499	(4.33)	462	(8.95)	384	(15.92)
GRC	105131	0.13	104991	457	(6.66)	480	(4.22)	470	(5.29)	450	(8.16)	324	(26.50)
HUN	107044	0.06	106984	447	(8.57)	489	(3.29)	479	(2.75)	479	(6.47)	436	(23.31)
ISL	3928	0.63	3903	498	(5.58)	504	(2.01)	476	(3.72)	444	(10.02)	.	(.)
IRL	54850	1.05	54274	520	(6.29)	522	(2.80)	510	(3.85)	475	(5.87)	430	(17.74)
ITA	481521	0.20	480544	428	(9.70)	477	(3.33)	486	(3.48)	472	(5.73)	363	(20.97)
JPN	1240054	0.10	1238855	511	(7.68)	508	(3.84)	487	(4.72)	460	(9.13)	.	(.)
KOR	533504	0.04	533302	550	(7.09)	535	(3.10)	524	(4.13)	498	(11.26)	478	(19.53)
LUX	4080	0.10	4076	458	(5.23)	490	(2.46)	483	(2.79)	462	(5.19)	357	(17.68)
MEX	1071650	0.37	1067674	388	(4.89)	410	(4.37)	410	(6.34)	392	(9.34)	316	(7.17)
NLD	184943	3.11	179184	509	(10.20)	527	(2.59)	502	(4.33)	474	(7.00)	.	(.)
NZL	48638	1.72	47801	528	(7.56)	534	(2.58)	505	(3.77)	478	(7.69)	408	(21.66)
NOR	52816	0.77	52407	515	(4.90)	513	(2.91)	479	(4.23)	430	(7.13)	425	(15.74)
POL	534900	.	534900	480	(5.88)	503	(3.02)	496	(3.66)	498	(6.57)	362	(15.58)
PRT	96857	0.23	96637	467	(4.93)	485	(3.66)	463	(5.93)	445	(11.10)	.	(.)
SVK	77067	0.06	77021	423	(9.75)	473	(3.55)	476	(3.01)	459	(6.38)	361	(14.76)
ESP	344372	0.07	344114	465	(5.98)	490	(2.88)	480	(3.69)	453	(5.24)	354	(15.21)
SWE	107104	0.25	106838	538	(5.30)	522	(2.32)	491	(4.66)	451	(9.56)	406	(12.35)
CHE	86491	0.14	86370	494	(6.15)	509	(3.73)	493	(4.07)	462	(8.83)	440	(15.33)
TUR	481279	0.03	481137	424	(5.87)	451	(6.45)	457	(7.65)	445	(14.27)	355	(8.18)
GBR	698579	3.61	673362	523	(6.80)	518	(2.98)	489	(3.16)	450	(6.16)	405	(17.11)
USA	3147089	0.76	3123066	497	(8.52)	510	(3.16)	476	(4.27)	445	(5.24)	353	(15.64)
TOT	.	1.34	.	468	(2.75)	500	(1.24)	484	(1.42)	456	(2.34)	360	(5.07)
AVG	.	1.25	.	480	(1.45)	506	(0.68)	489	(0.76)	462	(1.33)	386	(3.16)
HKG	72484	0.21	72334	518	(4.84)	515	(3.93)	490	(4.44)	443	(13.63)	.	(.)
IDN	1971476	0.19	1967646	378	(5.15)	389	(3.29)	376	(6.12)	362	(15.90)	319	(5.97)
LVA	33643	0.22	33570	478	(8.40)	493	(4.36)	494	(4.21)	478	(11.27)	430	(16.30)
LIE	338	.	338	511	(15.40)	531	(5.88)	527	(8.40)	.	(.)	.	(.)
MAC	6546	.	6546	495	(7.37)	501	(2.45)	494	(6.32)	472	(12.19)	.	(.)
RUS	2153373	0.02	2152991	430	(6.58)	449	(3.97)	442	(4.34)	456	(10.35)	338	(9.43)
YUG	68596	0.53	68235	368	(5.84)	413	(3.99)	429	(3.60)	437	(6.62)	329	(6.09)
THA	637076	.	637076	416	(4.82)	422	(2.85)	420	(7.69)	.	(.)	369	(21.01)
TUN	150875	0.07	150770	349	(3.65)	378	(3.75)	398	(3.68)	389	(6.62)	318	(9.48)
URY	33775	0.15	33724	413	(5.86)	445	(3.58)	442	(6.36)	407	(11.65)	351	(8.49)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Students get along well with most teachers.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	540 (5.08)	533 (1.98)	502 (3.14)	465 (9.04)	437 (8.81)
AUT	85931	1.08	85003	504 (4.89)	515 (3.80)	499 (4.11)	472 (6.65)	429 (21.38)
BEL	111831	1.82	109800	504 (6.41)	547 (2.56)	525 (3.33)	490 (6.39)	423 (13.27)
CAN	330436	9.70	298375	545 (3.93)	543 (1.64)	523 (2.67)	496 (5.18)	486 (8.82)
CZE	121183	4.06	116258	498 (8.49)	531 (3.72)	516 (3.74)	512 (5.88)	421 (13.64)
DNK	51741	0.65	51406	522 (5.80)	522 (2.84)	501 (4.32)	478 (7.76)	441 (13.48)
FIN	57884	0.07	57845	541 (5.16)	550 (2.19)	535 (2.73)	513 (6.15)	. (.)
FRA	734579	0.87	728167	492 (6.17)	522 (3.17)	508 (2.73)	480 (5.62)	428 (17.20)
DEU	884358	5.57	835070	494 (6.41)	523 (3.71)	510 (3.77)	474 (7.98)	417 (13.77)
GRC	105131	0.13	104991	429 (6.46)	452 (4.18)	442 (4.73)	435 (6.57)	324 (17.13)
HUN	107044	0.06	106984	457 (7.67)	498 (3.51)	486 (3.15)	485 (6.69)	424 (23.13)
ISL	3928	0.63	3903	519 (4.76)	525 (1.87)	500 (3.11)	480 (7.03)	. (.)
IRL	54850	1.05	54274	498 (6.21)	508 (2.58)	502 (3.61)	470 (6.11)	437 (16.23)
ITA	481521	0.20	480544	418 (9.56)	465 (3.00)	476 (3.63)	474 (5.53)	381 (17.86)
JPN	1240054	0.10	1238855	546 (7.66)	543 (4.16)	524 (4.42)	499 (8.54)	. (.)
KOR	533504	0.04	533302	564 (8.30)	544 (3.23)	530 (4.17)	493 (12.25)	485 (15.47)
LUX	4080	0.10	4076	470 (4.74)	502 (2.08)	495 (2.16)	483 (4.61)	413 (12.14)
MEX	1071650	0.37	1067674	373 (4.32)	396 (3.86)	395 (5.66)	374 (9.22)	305 (6.68)
NLD	184943	3.11	179184	537 (12.00)	554 (2.82)	524 (4.69)	494 (8.24)	. (.)
NZL	48638	1.72	47801	533 (7.57)	535 (2.61)	507 (3.13)	482 (6.80)	424 (18.52)
NOR	52816	0.77	52407	503 (4.68)	506 (2.57)	480 (3.70)	442 (6.13)	421 (12.21)
POL	534900	.	534900	475 (5.82)	495 (2.72)	492 (3.45)	490 (6.45)	367 (11.81)
PRT	96857	0.23	96637	455 (4.57)	472 (3.30)	455 (5.42)	455 (13.20)	. (.)
SVK	77067	0.06	77021	448 (10.02)	502 (3.63)	506 (3.47)	495 (6.76)	379 (11.95)
ESP	344372	0.07	344114	470 (5.81)	492 (2.86)	485 (3.18)	469 (5.21)	392 (11.06)
SWE	107104	0.25	106838	529 (6.23)	516 (2.38)	484 (5.28)	452 (9.12)	438 (13.33)
CHE	86491	0.14	86370	519 (6.91)	536 (3.69)	521 (4.59)	499 (8.83)	471 (14.09)
TUR	481279	0.03	481137	402 (6.29)	433 (7.57)	447 (8.92)	442 (16.08)	321 (7.77)
GBR	698579	3.61	673362	523 (6.77)	518 (2.78)	490 (3.51)	457 (5.82)	418 (15.44)
USA	3147089	0.76	3123066	488 (7.88)	495 (2.81)	465 (4.21)	439 (5.01)	387 (13.27)
TOT	.	1.34	.	466 (2.76)	500 (1.08)	488 (1.37)	463 (2.48)	371 (4.68)
AVG	.	1.25	.	483 (1.49)	510 (0.64)	496 (0.79)	475 (1.32)	399 (2.85)
HKG	72484	0.21	72334	560 (6.33)	556 (4.71)	526 (5.24)	475 (16.06)	. (.)
IDN	1971476	0.19	1967646	354 (4.36)	369 (4.07)	351 (6.49)	338 (13.76)	300 (6.66)
LVA	33643	0.22	33570	470 (7.53)	485 (4.12)	487 (4.26)	481 (9.28)	411 (14.01)
LIE	338	.	338	519 (16.99)	545 (5.92)	532 (9.06)	. (.)	. (.)
MAC	6546	.	6546	526 (9.19)	533 (3.34)	516 (7.62)	485 (19.43)	. (.)
RUS	2153373	0.02	2152991	459 (6.92)	475 (3.98)	466 (5.31)	474 (10.45)	379 (8.58)
YUG	68596	0.53	68235	388 (5.30)	438 (3.97)	456 (3.99)	461 (6.50)	354 (6.52)
THA	637076	.	637076	409 (5.04)	419 (3.00)	419 (7.17)	. (.)	383 (19.16)
TUN	150875	0.07	150770	334 (2.84)	360 (3.35)	380 (3.56)	382 (5.00)	304 (6.99)
URY	33775	0.15	33724	401 (5.59)	433 (3.42)	433 (4.22)	419 (9.46)	328 (6.55)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Students get along well with most teachers.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (5.47)	535 (1.96)	501 (3.30)	464 (8.08)	433 (9.89)
AUT	85931	1.08	85003	494 (4.94)	501 (3.97)	483 (4.29)	450 (6.85)	427 (20.48)
BEL	111831	1.82	109800	489 (6.66)	525 (2.60)	503 (3.48)	467 (6.92)	401 (14.30)
CAN	330436	9.70	298375	538 (4.61)	531 (1.84)	504 (2.90)	476 (5.67)	465 (9.91)
CZE	121183	4.06	116258	506 (8.71)	538 (3.62)	519 (4.01)	516 (7.15)	424 (16.03)
DNK	51741	0.65	51406	482 (6.21)	483 (3.01)	464 (4.92)	440 (9.90)	391 (15.81)
FIN	57884	0.07	57845	546 (6.15)	554 (2.25)	538 (2.77)	512 (6.83)	. (.)
FRA	734579	0.87	728167	488 (7.72)	524 (3.74)	507 (3.37)	475 (7.63)	429 (18.81)
DEU	884358	5.57	835070	493 (6.97)	524 (4.03)	510 (4.52)	475 (8.92)	406 (16.18)
GRC	105131	0.13	104991	476 (6.19)	487 (4.25)	477 (4.60)	469 (8.20)	372 (17.27)
HUN	107044	0.06	106984	471 (8.62)	510 (3.30)	500 (3.14)	504 (7.28)	438 (20.21)
ISL	3928	0.63	3903	501 (5.09)	505 (2.08)	479 (3.61)	459 (7.70)	. (.)
IRL	54850	1.05	54274	502 (6.87)	512 (2.84)	501 (4.19)	467 (6.31)	436 (17.39)
ITA	481521	0.20	480544	434 (10.56)	486 (3.22)	498 (3.72)	496 (6.73)	359 (21.64)
JPN	1240054	0.10	1238855	565 (7.70)	558 (4.15)	535 (4.93)	508 (9.75)	. (.)
KOR	533504	0.04	533302	557 (8.55)	540 (3.63)	528 (4.70)	488 (13.25)	493 (19.24)
LUX	4080	0.10	4076	461 (5.59)	494 (2.64)	483 (2.44)	467 (5.34)	380 (15.32)
MEX	1071650	0.37	1067674	397 (4.18)	413 (3.51)	412 (5.85)	391 (9.72)	336 (7.38)
NLD	184943	3.11	179184	527 (12.94)	541 (3.03)	508 (4.88)	475 (7.47)	. (.)
NZL	48638	1.72	47801	529 (7.75)	532 (2.81)	504 (3.53)	484 (7.14)	421 (20.32)
NOR	52816	0.77	52407	492 (5.53)	497 (2.99)	466 (4.43)	423 (7.26)	414 (14.15)
POL	534900	.	534900	477 (6.03)	502 (3.18)	500 (3.78)	509 (8.16)	384 (14.15)
PRT	96857	0.23	96637	458 (4.89)	474 (3.44)	456 (6.23)	453 (10.78)	. (.)
SVK	77067	0.06	77021	453 (10.54)	499 (4.03)	501 (3.38)	491 (7.61)	391 (19.00)
ESP	344372	0.07	344114	476 (6.49)	496 (3.00)	484 (3.65)	466 (5.75)	369 (13.79)
SWE	107104	0.25	106838	526 (5.82)	513 (2.71)	484 (5.24)	444 (11.09)	425 (14.60)
CHE	86491	0.14	86370	507 (7.12)	524 (4.04)	503 (5.03)	479 (9.74)	459 (15.07)
TUR	481279	0.03	481137	420 (5.52)	443 (6.80)	449 (7.96)	440 (14.61)	354 (7.41)
GBR	698579	3.61	673362	542 (7.39)	531 (2.83)	497 (3.81)	457 (6.47)	420 (17.19)
USA	3147089	0.76	3123066	498 (8.41)	504 (3.05)	472 (4.12)	448 (6.06)	392 (14.90)
TOT	.	1.34	.	477 (2.72)	507 (1.14)	493 (1.40)	469 (2.87)	382 (4.62)
AVG	.	1.25	.	485 (1.44)	510 (0.64)	495 (0.81)	472 (1.41)	400 (3.06)
HKG	72484	0.21	72334	546 (6.31)	545 (4.47)	518 (5.30)	473 (13.91)	. (.)
IDN	1971476	0.19	1967646	395 (3.72)	401 (3.34)	389 (5.68)	389 (9.89)	349 (5.23)
LVA	33643	0.22	33570	481 (9.26)	492 (4.36)	490 (4.13)	477 (11.23)	404 (18.16)
LIE	338	.	338	520 (17.80)	533 (6.85)	518 (10.06)	. (.)	. (.)
MAC	6546	.	6546	521 (9.21)	531 (3.38)	514 (7.91)	481 (17.75)	. (.)
RUS	2153373	0.02	2152991	482 (7.71)	495 (4.18)	487 (5.10)	498 (12.17)	405 (10.60)
YUG	68596	0.53	68235	399 (5.61)	436 (4.08)	451 (3.80)	460 (7.14)	375 (5.95)
THA	637076	.	637076	422 (4.39)	431 (2.75)	432 (6.39)	. (.)	409 (19.15)
TUN	150875	0.07	150770	364 (3.13)	385 (3.45)	405 (3.28)	402 (5.74)	330 (7.59)
URY	33775	0.15	33724	418 (5.45)	448 (3.15)	450 (5.07)	429 (11.59)	357 (8.15)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Students get along well with most teachers.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	546 (4.51)	539 (1.84)	509 (2.81)	471 (8.30)	434 (9.17)
AUT	85931	1.08	85003	505 (5.34)	516 (3.53)	499 (4.04)	471 (7.35)	421 (21.03)
BEL	111831	1.82	109800	501 (5.90)	542 (2.49)	521 (3.14)	484 (6.06)	419 (13.22)
CAN	330436	9.70	298375	545 (4.28)	542 (1.55)	517 (2.60)	489 (4.78)	483 (8.67)
CZE	121183	4.06	116258	500 (8.09)	531 (3.52)	516 (3.54)	507 (5.98)	417 (14.98)
DNK	51741	0.65	51406	522 (5.95)	524 (2.70)	505 (3.96)	485 (7.37)	443 (14.00)
FIN	57884	0.07	57845	540 (5.13)	554 (2.18)	538 (2.67)	518 (6.81)	. (.)
FRA	734579	0.87	728167	502 (6.39)	532 (3.27)	514 (3.02)	484 (5.76)	443 (17.07)
DEU	884358	5.57	835070	503 (6.59)	531 (3.58)	516 (3.75)	483 (8.20)	428 (13.99)
GRC	105131	0.13	104991	424 (6.73)	456 (4.40)	447 (4.52)	434 (7.35)	355 (19.25)
HUN	107044	0.06	106984	466 (8.17)	509 (3.64)	498 (2.87)	495 (6.28)	450 (24.97)
ISL	3928	0.63	3903	512 (4.57)	514 (1.80)	490 (3.10)	473 (6.40)	. (.)
IRL	54850	1.05	54274	493 (6.39)	504 (2.60)	498 (3.41)	463 (5.85)	430 (14.46)
ITA	481521	0.20	480544	418 (10.79)	471 (3.04)	479 (3.47)	473 (6.04)	371 (19.76)
JPN	1240054	0.10	1238855	560 (7.86)	557 (4.20)	536 (4.63)	508 (9.40)	. (.)
KOR	533504	0.04	533302	567 (7.74)	552 (3.08)	541 (3.90)	505 (13.23)	516 (16.54)
LUX	4080	0.10	4076	473 (4.81)	503 (2.30)	495 (2.51)	478 (4.54)	419 (13.04)
MEX	1071650	0.37	1067674	374 (5.24)	395 (4.62)	393 (6.77)	368 (11.28)	298 (6.75)
NLD	184943	3.11	179184	517 (12.00)	535 (2.76)	504 (4.62)	468 (8.50)	. (.)
NZL	48638	1.72	47801	537 (7.18)	544 (2.46)	519 (3.19)	493 (7.43)	439 (17.70)
NOR	52816	0.77	52407	503 (5.16)	502 (2.91)	471 (3.96)	425 (6.58)	425 (12.05)
POL	534900	.	534900	473 (5.86)	492 (2.83)	488 (3.59)	483 (7.15)	347 (18.79)
PRT	96857	0.23	96637	455 (6.06)	476 (3.71)	459 (6.27)	465 (12.89)	. (.)
SVK	77067	0.06	77021	447 (10.14)	496 (3.61)	498 (3.55)	482 (6.29)	381 (12.21)
ESP	344372	0.07	344114	465 (5.72)	491 (3.08)	482 (3.78)	460 (5.55)	384 (14.36)
SWE	107104	0.25	106838	527 (5.71)	516 (2.48)	486 (4.11)	456 (10.38)	438 (11.59)
CHE	86491	0.14	86370	515 (6.22)	531 (3.44)	516 (3.85)	492 (8.93)	464 (13.64)
TUR	481279	0.03	481137	391 (5.88)	418 (6.73)	426 (7.87)	420 (14.96)	303 (8.13)
GBR	698579	3.61	673362	523 (6.66)	521 (2.71)	492 (3.39)	455 (5.92)	422 (15.97)
USA	3147089	0.76	3123066	482 (7.96)	491 (3.00)	458 (4.25)	431 (5.13)	369 (13.66)
TOT	.	1.34	.	467 (2.94)	501 (1.19)	489 (1.45)	461 (2.61)	363 (4.50)
AVG	.	1.25	.	482 (1.58)	510 (0.68)	496 (0.76)	472 (1.33)	396 (2.91)
HKG	72484	0.21	72334	559 (5.81)	553 (4.37)	523 (5.09)	477 (16.92)	. (.)
IDN	1971476	0.19	1967646	357 (4.02)	369 (3.37)	355 (6.58)	344 (14.02)	307 (5.00)
LVA	33643	0.22	33570	475 (8.61)	484 (4.44)	486 (4.35)	475 (10.81)	392 (15.45)
LIE	338	.	338	518 (15.61)	537 (5.52)	528 (9.00)	. (.)	. (.)
MAC	6546	.	6546	528 (8.05)	538 (3.07)	520 (7.61)	490 (20.96)	. (.)
RUS	2153373	0.02	2152991	464 (7.46)	486 (4.44)	478 (5.55)	486 (10.56)	367 (11.27)
YUG	68596	0.53	68235	377 (5.95)	422 (3.52)	438 (3.56)	441 (6.56)	337 (6.69)
THA	637076	.	637076	418 (5.05)	427 (2.92)	427 (7.29)	. (.)	390 (21.04)
TUN	150875	0.07	150770	323 (2.86)	347 (2.82)	363 (3.37)	359 (4.80)	301 (6.76)
URY	33775	0.15	33724	389 (6.39)	421 (3.87)	424 (5.06)	404 (11.91)	311 (7.62)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most teachers are interested in students' well-being.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	10.34 (0.35)	70.24 (0.47)	15.18 (0.41)	2.78 (0.18)	1.47 (0.13)
AUT	85931	1.08	85003	15.05 (0.76)	48.09 (0.87)	28.84 (0.90)	6.86 (0.49)	1.16 (0.18)
BEL	111831	1.82	109800	7.10 (0.38)	60.15 (0.75)	25.09 (0.54)	5.67 (0.28)	1.99 (0.20)
CAN	330436	9.70	298375	9.74 (0.38)	66.90 (0.53)	18.35 (0.38)	3.21 (0.18)	1.80 (0.13)
CZE	121183	4.06	116258	6.14 (0.36)	58.38 (0.89)	29.08 (0.80)	4.51 (0.28)	1.88 (0.21)
DNK	51741	0.65	51406	11.85 (0.50)	65.18 (0.79)	16.98 (0.64)	2.74 (0.30)	3.25 (0.33)
FIN	57884	0.07	57845	4.25 (0.29)	59.63 (0.80)	30.93 (0.73)	4.58 (0.36)	0.61 (0.11)
FRA	734579	0.87	728167	8.05 (0.50)	56.53 (0.89)	27.73 (0.80)	6.07 (0.43)	1.62 (0.22)
DEU	884358	5.57	835070	13.83 (0.73)	44.79 (0.79)	32.95 (1.03)	6.54 (0.41)	1.90 (0.25)
GRC	105131	0.13	104991	7.49 (0.50)	51.04 (1.07)	32.11 (0.94)	6.43 (0.48)	2.94 (0.32)
HUN	107044	0.06	106984	7.43 (0.43)	51.17 (0.94)	34.02 (0.84)	6.33 (0.40)	1.05 (0.16)
ISL	3928	0.63	3903	10.95 (0.53)	57.96 (0.74)	23.61 (0.62)	6.61 (0.42)	0.88 (.)
IRL	54850	1.05	54274	9.08 (0.57)	67.88 (0.74)	16.89 (0.73)	4.59 (0.39)	1.56 (0.19)
ITA	481521	0.20	480544	8.48 (0.49)	55.70 (0.83)	27.71 (0.75)	6.54 (0.42)	1.57 (0.20)
JPN	1240054	0.10	1238855	5.08 (0.39)	39.42 (0.93)	43.22 (0.91)	11.35 (0.62)	0.93 (0.16)
KOR	533504	0.04	533302	5.29 (0.41)	58.82 (0.75)	30.67 (0.82)	3.88 (0.28)	1.34 (0.15)
LUX	4080	0.10	4076	7.82 (0.45)	43.57 (0.88)	34.56 (0.94)	11.84 (0.56)	2.21 (0.25)
MEX	1071650	0.37	1067674	27.06 (0.74)	53.50 (0.74)	11.33 (0.48)	2.52 (0.27)	5.60 (0.51)
NLD	184943	3.11	179184	3.31 (0.39)	63.43 (1.01)	28.83 (0.87)	3.22 (0.44)	1.20 (0.18)
NZL	48638	1.73	47794	9.16 (0.47)	68.41 (0.79)	17.81 (0.63)	3.41 (0.26)	1.20 (0.19)
NOR	52816	0.77	52407	8.45 (0.53)	56.59 (0.98)	26.50 (0.93)	6.28 (0.54)	2.18 (0.30)
POL	534900	.	534900	5.59 (0.38)	40.92 (0.96)	42.71 (0.88)	8.86 (0.56)	1.92 (0.30)
PRT	96857	0.23	96637	10.16 (0.62)	69.60 (0.74)	17.02 (0.71)	2.38 (0.22)	0.84 (0.24)
SVK	77067	0.06	77021	3.77 (0.45)	42.31 (0.91)	43.87 (1.03)	7.57 (0.44)	2.47 (0.20)
ESP	344372	0.07	344114	10.65 (0.46)	58.09 (0.87)	23.24 (0.68)	6.36 (0.41)	1.67 (0.19)
SWE	107104	0.25	106838	12.79 (0.71)	63.92 (0.70)	18.05 (0.62)	3.22 (0.29)	2.02 (0.23)
CHE	86491	0.14	86370	20.06 (0.78)	51.98 (0.86)	20.72 (0.69)	4.24 (0.28)	3.00 (0.26)
TUR	481279	0.03	481137	12.33 (0.75)	43.50 (1.04)	28.22 (0.93)	8.58 (0.53)	7.37 (0.77)
GBR	698579	3.61	673362	9.78 (0.50)	68.61 (0.75)	16.72 (0.65)	3.52 (0.28)	1.37 (0.16)
USA	3147089	0.76	3123066	10.72 (0.59)	63.35 (0.78)	19.98 (0.60)	4.38 (0.35)	1.57 (0.22)
TOT	.	1.34	.	10.84 (0.19)	55.74 (0.28)	25.66 (0.24)	5.62 (0.15)	2.15 (0.08)
AVG	.	1.25	.	9.73 (0.09)	56.61 (0.18)	26.13 (0.17)	5.52 (0.09)	2.02 (0.05)
HKG	72484	0.21	72334	7.25 (0.47)	57.84 (1.03)	29.57 (1.03)	5.07 (0.42)	0.28 (.)
IDN	1971476	0.19	1967646	25.30 (0.76)	63.86 (0.80)	6.07 (0.37)	0.49 (0.08)	4.29 (0.40)
LVA	33643	0.22	33570	11.55 (0.77)	63.66 (1.33)	20.69 (1.19)	2.86 (0.29)	1.24 (0.20)
LIE	338	.	338	12.07 (1.72)	52.07 (2.97)	27.11 (2.18)	6.03 (.)	2.72 (.)
MAC	6546	.	6546	5.89 (0.90)	51.57 (1.84)	34.89 (1.54)	7.30 (1.03)	0.35 (.)
RUS	2153373	0.02	2152991	7.82 (0.43)	48.75 (0.89)	36.05 (0.95)	3.96 (0.39)	3.41 (0.36)
YUG	68596	0.58	68200	10.86 (0.62)	47.86 (0.86)	29.30 (0.91)	6.11 (0.45)	5.87 (0.48)
THA	637076	.	637076	19.60 (1.05)	70.55 (1.08)	8.26 (0.52)	0.60 (.)	0.98 (0.16)
TUN	150875	0.07	150770	18.86 (0.84)	37.92 (0.87)	27.33 (0.69)	10.76 (0.55)	5.13 (0.39)
URY	33775	0.15	33724	16.27 (0.61)	56.69 (1.07)	18.56 (0.97)	2.99 (0.34)	5.49 (0.38)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most teachers are interested in students' well-being.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (4.12)	532 (2.04)	505 (2.94)	472 (9.12)	430 (11.34)
AUT	85931	1.08	85003	459 (5.88)	499 (3.83)	507 (4.47)	483 (7.63)	424 (18.95)
BEL	111831	1.82	109800	475 (9.04)	522 (2.70)	513 (3.61)	472 (6.64)	359 (13.15)
CAN	330436	9.70	298375	534 (3.97)	538 (1.61)	517 (2.78)	487 (6.37)	489 (7.13)
CZE	121183	4.06	116258	467 (6.60)	500 (3.16)	501 (3.51)	487 (6.58)	403 (13.35)
DNK	51741	0.65	51406	505 (5.40)	499 (2.60)	483 (4.75)	456 (9.34)	411 (13.01)
FIN	57884	0.07	57845	532 (7.23)	549 (2.02)	540 (2.41)	510 (6.63)	466 (20.26)
FRA	734579	0.87	728167	457 (7.12)	504 (3.22)	507 (3.77)	465 (6.36)	421 (17.59)
DEU	884358	5.57	835070	458 (6.72)	506 (3.61)	520 (4.16)	494 (6.70)	373 (15.66)
GRC	105131	0.13	104991	440 (7.53)	473 (3.76)	486 (5.09)	470 (8.12)	392 (16.77)
HUN	107044	0.06	106984	443 (7.75)	483 (3.18)	489 (2.74)	488 (5.49)	428 (20.60)
ISL	3928	0.63	3903	504 (5.12)	501 (1.97)	482 (3.86)	449 (9.88)	. (.)
IRL	54850	1.05	54274	517 (6.23)	521 (2.89)	505 (4.28)	489 (6.47)	423 (17.09)
ITA	481521	0.20	480544	434 (5.83)	474 (3.47)	496 (3.05)	487 (6.66)	373 (16.77)
JPN	1240054	0.10	1238855	519 (9.07)	513 (4.19)	494 (4.07)	466 (7.74)	380 (28.17)
KOR	533504	0.04	533302	541 (7.90)	536 (3.48)	536 (2.94)	515 (8.65)	452 (19.77)
LUX	4080	0.10	4076	437 (7.04)	482 (2.27)	495 (2.54)	475 (4.83)	376 (14.77)
MEX	1071650	0.37	1067674	392 (4.97)	409 (4.28)	422 (5.54)	379 (13.87)	314 (7.38)
NLD	184943	3.11	179184	505 (12.54)	524 (2.74)	510 (3.64)	489 (11.16)	475 (17.76)
NZL	48638	1.73	47794	518 (7.77)	533 (2.38)	506 (4.07)	478 (10.03)	422 (15.92)
NOR	52816	0.77	52407	504 (6.98)	517 (2.94)	488 (3.53)	425 (8.35)	431 (17.31)
POL	534900	.	534900	460 (6.85)	493 (3.17)	509 (3.11)	509 (6.60)	360 (10.91)
PRT	96857	0.23	96637	456 (5.92)	484 (3.66)	476 (4.98)	449 (9.81)	361 (19.53)
SVK	77067	0.06	77021	410 (11.28)	464 (3.63)	484 (2.97)	484 (6.49)	356 (11.90)
ESP	344372	0.07	344114	462 (4.89)	491 (2.65)	478 (3.91)	454 (8.39)	372 (15.58)
SWE	107104	0.25	106838	529 (4.99)	521 (2.53)	499 (4.33)	469 (8.61)	434 (14.82)
CHE	86491	0.14	86370	484 (4.63)	509 (3.60)	504 (5.02)	476 (8.78)	433 (12.19)
TUR	481279	0.03	481137	429 (7.18)	450 (6.20)	453 (6.30)	447 (8.78)	355 (6.65)
GBR	698579	3.61	673362	520 (6.35)	513 (2.80)	487 (4.03)	456 (7.66)	425 (12.68)
USA	3147089	0.76	3123066	502 (7.21)	506 (3.32)	478 (3.93)	451 (6.59)	360 (15.07)
TOT	.	1.34	.	466 (2.37)	498 (1.37)	493 (1.27)	467 (2.59)	367 (4.30)
AVG	.	1.25	.	475 (1.33)	504 (0.68)	498 (0.78)	473 (1.55)	391 (2.57)
HKG	72484	0.21	72334	504 (6.81)	512 (4.39)	512 (3.78)	487 (9.55)	. (.)
IDN	1971476	0.19	1967646	368 (3.72)	389 (3.44)	404 (6.98)	373 (11.61)	311 (8.76)
LVA	33643	0.22	33570	476 (7.40)	494 (3.90)	495 (5.18)	474 (9.02)	432 (14.95)
LIE	338	.	338	495 (15.86)	533 (5.48)	529 (9.83)	. (.)	. (.)
MAC	6546	.	6546	481 (10.29)	498 (2.88)	502 (3.80)	491 (9.82)	. (.)
RUS	2153373	0.02	2152991	421 (6.91)	444 (4.01)	452 (4.35)	458 (9.63)	353 (8.89)
YUG	68596	0.58	68200	375 (4.82)	415 (3.75)	432 (3.95)	434 (6.55)	331 (6.39)
THA	637076	.	637076	410 (4.96)	422 (3.00)	435 (5.70)	. (.)	372 (15.44)
TUN	150875	0.07	150770	356 (4.15)	376 (3.20)	392 (4.01)	383 (6.09)	325 (7.04)
URY	33775	0.15	33724	399 (6.16)	447 (3.77)	454 (5.00)	425 (9.43)	341 (7.71)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most teachers are interested in students' well-being.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (4.08)	531 (2.10)	506 (2.77)	477 (8.28)	434 (9.56)
AUT	85931	1.08	85003	474 (5.13)	512 (3.54)	520 (3.83)	499 (6.25)	452 (18.26)
BEL	111831	1.82	109800	493 (7.57)	543 (2.64)	536 (3.01)	505 (6.37)	397 (10.39)
CAN	330436	9.70	298375	535 (3.88)	542 (1.63)	525 (2.74)	500 (5.21)	490 (7.23)
CZE	121183	4.06	116258	486 (6.12)	526 (3.65)	530 (3.71)	523 (6.25)	423 (11.97)
DNK	51741	0.65	51406	522 (6.02)	520 (2.70)	508 (4.39)	479 (6.85)	436 (11.90)
FIN	57884	0.07	57845	532 (6.64)	548 (2.02)	544 (2.70)	513 (6.51)	477 (19.89)
FRA	734579	0.87	728167	471 (7.18)	516 (3.18)	522 (3.07)	492 (6.63)	463 (14.41)
DEU	884358	5.57	835070	467 (6.57)	516 (3.50)	531 (4.03)	506 (5.90)	407 (11.74)
GRC	105131	0.13	104991	414 (6.68)	445 (3.99)	457 (4.33)	456 (6.07)	366 (11.88)
HUN	107044	0.06	106984	449 (7.47)	491 (3.28)	498 (3.48)	498 (5.70)	427 (15.88)
ISL	3928	0.63	3903	517 (4.50)	522 (2.00)	510 (3.24)	485 (7.40)	. (.)
IRL	54850	1.05	54274	491 (5.25)	508 (2.65)	500 (3.91)	486 (6.56)	415 (12.91)
ITA	481521	0.20	480544	418 (7.06)	462 (3.29)	488 (3.30)	485 (5.09)	383 (12.66)
JPN	1240054	0.10	1238855	556 (10.04)	547 (4.85)	530 (3.95)	506 (7.04)	448 (24.21)
KOR	533504	0.04	533302	551 (8.41)	543 (3.79)	545 (3.10)	517 (7.95)	473 (13.42)
LUX	4080	0.10	4076	450 (5.57)	494 (2.05)	508 (2.22)	490 (3.63)	424 (11.97)
MEX	1071650	0.37	1067674	376 (4.47)	395 (3.75)	405 (4.67)	367 (12.51)	304 (7.11)
NLD	184943	3.11	179184	521 (13.47)	550 (2.93)	535 (3.74)	512 (10.96)	503 (13.38)
NZL	48638	1.73	47794	519 (7.53)	534 (2.41)	510 (3.31)	486 (6.71)	432 (14.17)
NOR	52816	0.77	52407	484 (6.49)	508 (2.54)	490 (3.58)	446 (6.20)	427 (12.33)
POL	534900	.	534900	450 (6.69)	483 (2.82)	505 (2.98)	506 (5.46)	367 (7.98)
PRT	96857	0.23	96637	443 (5.91)	469 (3.13)	471 (4.39)	469 (11.35)	379 (22.09)
SVK	77067	0.06	77021	435 (13.51)	490 (3.57)	514 (3.22)	518 (6.24)	381 (10.61)
ESP	344372	0.07	344114	459 (4.09)	493 (2.42)	487 (3.49)	474 (7.54)	406 (11.18)
SWE	107104	0.25	106838	519 (4.71)	515 (2.58)	499 (4.00)	464 (8.62)	447 (15.50)
CHE	86491	0.14	86370	502 (4.89)	537 (4.00)	535 (4.79)	515 (9.95)	466 (12.63)
TUR	481279	0.03	481137	407 (7.82)	431 (7.41)	441 (6.90)	434 (11.38)	326 (6.37)
GBR	698579	3.61	673362	520 (6.05)	513 (2.72)	492 (3.89)	465 (8.59)	437 (12.84)
USA	3147089	0.76	3123066	488 (7.11)	492 (3.00)	469 (3.61)	447 (6.77)	386 (12.63)
TOT	.	1.34	.	461 (2.32)	496 (1.23)	500 (1.17)	478 (2.55)	377 (4.09)
AVG	.	1.25	.	475 (1.21)	507 (0.67)	507 (0.82)	487 (1.49)	401 (2.30)
HKG	72484	0.21	72334	544 (8.16)	553 (5.09)	553 (4.97)	527 (10.63)	. (.)
IDN	1971476	0.19	1967646	342 (3.62)	369 (4.29)	393 (8.18)	341 (11.86)	292 (6.92)
LVA	33643	0.22	33570	465 (7.98)	485 (3.94)	493 (5.08)	483 (9.55)	419 (14.02)
LIE	338	.	338	496 (17.21)	544 (6.52)	540 (9.55)	. (.)	. (.)
MAC	6546	.	6546	517 (10.26)	526 (3.89)	534 (5.33)	518 (15.16)	. (.)
RUS	2153373	0.02	2152991	450 (7.36)	467 (4.39)	478 (4.37)	494 (9.82)	396 (7.66)
YUG	68596	0.58	68200	396 (5.21)	441 (3.97)	459 (3.89)	458 (7.14)	354 (5.75)
THA	637076	.	637076	401 (5.35)	420 (3.25)	436 (6.57)	. (.)	388 (14.74)
TUN	150875	0.07	150770	340 (3.35)	359 (3.01)	375 (3.80)	372 (4.61)	311 (5.39)
URY	33775	0.15	33724	383 (5.58)	434 (3.37)	445 (4.43)	439 (8.44)	334 (6.12)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most teachers are interested in students' well-being.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	541 (3.73)	532 (2.12)	503 (3.10)	477 (8.18)	434 (13.21)
AUT	85931	1.08	85003	463 (5.83)	498 (3.68)	505 (4.33)	481 (6.53)	447 (18.11)
BEL	111831	1.82	109800	479 (7.93)	522 (2.64)	513 (3.47)	479 (6.32)	376 (11.50)
CAN	330436	9.70	298375	527 (4.53)	530 (1.92)	508 (3.30)	475 (7.05)	473 (8.69)
CZE	121183	4.06	116258	499 (7.49)	532 (3.55)	535 (3.73)	522 (7.35)	432 (11.94)
DNK	51741	0.65	51406	483 (5.99)	481 (2.80)	471 (5.21)	446 (8.97)	381 (12.90)
FIN	57884	0.07	57845	532 (7.71)	553 (2.27)	547 (2.72)	516 (7.47)	486 (21.62)
FRA	734579	0.87	728167	467 (7.83)	517 (3.77)	524 (3.68)	487 (7.64)	464 (18.56)
DEU	884358	5.57	835070	464 (6.63)	516 (3.77)	532 (4.26)	509 (6.80)	397 (13.83)
GRC	105131	0.13	104991	460 (7.38)	480 (3.91)	492 (4.84)	486 (8.36)	415 (12.29)
HUN	107044	0.06	106984	467 (9.03)	503 (3.23)	512 (3.16)	513 (6.64)	430 (16.02)
ISL	3928	0.63	3903	501 (5.22)	501 (2.11)	489 (3.49)	461 (8.57)	. (.)
IRL	54850	1.05	54274	499 (7.74)	511 (2.92)	497 (4.52)	486 (6.49)	415 (15.77)
ITA	481521	0.20	480544	438 (7.17)	482 (3.46)	511 (3.47)	511 (6.08)	373 (15.71)
JPN	1240054	0.10	1238855	581 (10.33)	563 (4.65)	541 (4.21)	512 (7.99)	467 (25.18)
KOR	533504	0.04	533302	546 (9.09)	539 (4.06)	541 (3.57)	512 (9.69)	479 (16.72)
LUX	4080	0.10	4076	441 (6.42)	485 (2.53)	497 (2.60)	477 (4.47)	393 (13.56)
MEX	1071650	0.37	1067674	399 (3.98)	412 (3.64)	420 (4.83)	391 (11.84)	337 (6.86)
NLD	184943	3.11	179184	513 (14.67)	536 (3.05)	518 (4.37)	491 (11.75)	485 (16.74)
NZL	48638	1.73	47794	515 (7.99)	531 (2.50)	508 (3.78)	486 (7.75)	429 (15.48)
NOR	52816	0.77	52407	474 (6.93)	499 (2.97)	476 (3.94)	427 (8.25)	421 (14.65)
POL	534900	.	534900	454 (7.22)	488 (3.25)	513 (3.35)	522 (7.34)	385 (10.30)
PRT	96857	0.23	96637	444 (6.11)	472 (3.28)	472 (4.74)	462 (10.05)	353 (25.51)
SVK	77067	0.06	77021	436 (13.96)	486 (4.33)	511 (3.38)	516 (6.75)	385 (14.79)
ESP	344372	0.07	344114	465 (4.58)	497 (2.68)	486 (3.77)	469 (8.86)	391 (14.56)
SWE	107104	0.25	106838	514 (5.36)	513 (2.88)	494 (4.64)	462 (10.75)	446 (16.92)
CHE	86491	0.14	86370	492 (5.60)	524 (4.09)	520 (5.42)	492 (10.38)	452 (12.75)
TUR	481279	0.03	481137	426 (6.90)	442 (6.53)	445 (6.55)	437 (9.61)	356 (6.73)
GBR	698579	3.61	673362	539 (6.34)	525 (2.88)	496 (4.40)	464 (8.55)	439 (13.83)
USA	3147089	0.76	3123066	499 (7.04)	501 (3.27)	475 (3.91)	448 (6.92)	396 (15.86)
TOT	.	1.34	.	472 (2.27)	503 (1.29)	505 (1.23)	482 (2.57)	390 (4.60)
AVG	.	1.25	.	478 (1.20)	507 (0.66)	506 (0.82)	484 (1.51)	404 (2.58)
HKG	72484	0.21	72334	531 (8.40)	541 (4.93)	543 (4.50)	522 (10.02)	. (.)
IDN	1971476	0.19	1967646	384 (3.24)	401 (3.42)	420 (7.40)	384 (9.25)	344 (6.52)
LVA	33643	0.22	33570	477 (6.32)	491 (4.43)	496 (5.89)	481 (9.57)	411 (15.90)
LIE	338	.	338	486 (19.20)	534 (7.08)	529 (10.54)	. (.)	. (.)
MAC	6546	.	6546	513 (12.56)	526 (4.09)	529 (5.38)	511 (14.87)	. (.)
RUS	2153373	0.02	2152991	468 (7.84)	488 (4.20)	499 (4.64)	515 (10.55)	416 (7.89)
YUG	68596	0.58	68200	405 (5.56)	437 (3.65)	456 (4.17)	458 (6.82)	374 (6.13)
THA	637076	.	637076	415 (4.18)	431 (2.92)	449 (5.90)	. (.)	404 (13.47)
TUN	150875	0.07	150770	371 (3.47)	386 (2.89)	398 (4.01)	394 (4.96)	337 (7.82)
URY	33775	0.15	33724	398 (5.33)	451 (3.15)	458 (4.65)	449 (9.79)	358 (7.06)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most teachers are interested in students' well-being.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	543 (3.63)	537 (1.94)	510 (2.96)	481 (7.86)	434 (10.95)
AUT	85931	1.08	85003	478 (5.09)	513 (3.43)	519 (4.03)	500 (5.95)	447 (18.03)
BEL	111831	1.82	109800	494 (6.96)	538 (2.56)	531 (2.97)	497 (6.08)	396 (10.26)
CAN	330436	9.70	298375	536 (4.25)	540 (1.57)	520 (2.80)	489 (5.95)	492 (7.10)
CZE	121183	4.06	116258	492 (6.57)	527 (3.50)	527 (3.48)	517 (6.05)	423 (12.09)
DNK	51741	0.65	51406	524 (5.95)	523 (2.51)	511 (3.92)	479 (6.91)	437 (11.60)
FIN	57884	0.07	57845	535 (6.37)	552 (2.08)	546 (2.78)	517 (7.93)	489 (19.76)
FRA	734579	0.87	728167	481 (7.21)	526 (3.22)	529 (3.39)	496 (5.99)	469 (14.94)
DEU	884358	5.57	835070	478 (6.24)	524 (3.32)	537 (3.84)	512 (6.07)	418 (11.42)
GRC	105131	0.13	104991	414 (7.51)	448 (3.99)	463 (4.71)	456 (7.76)	376 (11.95)
HUN	107044	0.06	106984	458 (8.35)	503 (3.40)	508 (3.29)	505 (5.23)	456 (17.70)
ISL	3928	0.63	3903	513 (4.74)	511 (1.79)	498 (3.13)	473 (7.45)	. (.)
IRL	54850	1.05	54274	489 (5.47)	504 (2.52)	495 (3.51)	478 (6.48)	410 (13.42)
ITA	481521	0.20	480544	421 (7.00)	467 (3.41)	492 (3.26)	486 (6.16)	370 (15.89)
JPN	1240054	0.10	1238855	570 (9.43)	560 (4.78)	544 (4.12)	514 (7.66)	447 (29.43)
KOR	533504	0.04	533302	555 (7.72)	551 (3.53)	554 (2.97)	527 (7.90)	498 (13.92)
LUX	4080	0.10	4076	453 (6.31)	496 (2.33)	506 (2.30)	488 (4.13)	425 (12.20)
MEX	1071650	0.37	1067674	376 (5.41)	394 (4.60)	404 (5.83)	365 (14.96)	297 (9.21)
NLD	184943	3.11	179184	507 (13.82)	531 (2.97)	514 (3.85)	487 (10.75)	479 (15.53)
NZL	48638	1.73	47794	524 (7.05)	542 (2.22)	523 (3.85)	497 (7.94)	444 (12.86)
NOR	52816	0.77	52407	486 (6.47)	505 (2.97)	481 (3.64)	424 (7.67)	429 (12.69)
POL	534900	.	534900	453 (7.35)	481 (2.85)	500 (3.16)	499 (6.20)	353 (12.33)
PRT	96857	0.23	96637	440 (6.46)	474 (3.69)	477 (4.95)	468 (11.36)	372 (25.18)
SVK	77067	0.06	77021	431 (13.96)	485 (3.64)	507 (3.18)	508 (6.89)	380 (9.76)
ESP	344372	0.07	344114	458 (4.60)	492 (2.59)	481 (3.87)	461 (7.92)	400 (13.25)
SWE	107104	0.25	106838	519 (4.97)	514 (2.60)	497 (4.03)	466 (8.77)	450 (13.92)
CHE	86491	0.14	86370	503 (4.44)	530 (3.68)	528 (4.05)	507 (8.85)	457 (11.97)
TUR	481279	0.03	481137	394 (6.88)	416 (6.44)	423 (6.20)	418 (9.22)	308 (7.33)
GBR	698579	3.61	673362	521 (5.94)	516 (2.71)	492 (3.82)	460 (7.87)	439 (12.66)
USA	3147089	0.76	3123066	483 (7.05)	487 (3.19)	463 (3.92)	437 (7.21)	374 (12.04)
TOT	.	1.34	.	461 (2.29)	497 (1.32)	501 (1.30)	476 (2.59)	371 (4.17)
AVG	.	1.25	.	477 (1.25)	508 (0.67)	506 (0.81)	483 (1.44)	398 (2.66)
HKG	72484	0.21	72334	542 (8.27)	550 (4.83)	550 (4.52)	524 (10.98)	. (.)
IDN	1971476	0.19	1967646	347 (3.03)	369 (3.46)	389 (7.83)	352 (11.20)	300 (6.06)
LVA	33643	0.22	33570	466 (7.97)	484 (4.08)	493 (5.57)	477 (9.86)	400 (15.85)
LIE	338	.	338	499 (17.35)	539 (5.37)	529 (9.81)	. (.)	. (.)
MAC	6546	.	6546	524 (12.56)	532 (3.57)	538 (4.75)	520 (13.48)	. (.)
RUS	2153373	0.02	2152991	456 (7.71)	477 (4.94)	491 (4.63)	502 (10.50)	384 (10.55)
YUG	68596	0.58	68200	383 (4.89)	424 (3.57)	441 (3.61)	436 (7.31)	338 (6.02)
THA	637076	.	637076	411 (4.89)	427 (3.04)	443 (6.09)	. (.)	388 (16.10)
TUN	150875	0.07	150770	329 (3.33)	346 (2.53)	358 (2.96)	353 (4.99)	305 (6.08)
URY	33775	0.15	33724	371 (6.03)	423 (4.08)	435 (4.61)	418 (8.11)	313 (7.61)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers really listen to what I have to say.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	9.02 (0.33)	61.65 (0.61)	23.50 (0.52)	4.09 (0.23)	1.74 (0.14)
AUT	85931	1.08	85003	10.86 (0.62)	46.06 (1.04)	32.65 (0.92)	8.89 (0.59)	1.54 (0.20)
BEL	111831	1.82	109800	8.42 (0.39)	55.78 (0.66)	28.74 (0.62)	5.00 (0.28)	2.06 (0.20)
CAN	330436	9.70	298375	10.75 (0.37)	60.30 (0.49)	23.04 (0.42)	3.91 (0.16)	2.00 (0.15)
CZE	121183	4.06	116258	4.04 (0.29)	50.33 (0.91)	37.90 (0.95)	5.21 (0.38)	2.51 (0.26)
DNK	51741	0.65	51406	12.39 (0.61)	56.25 (0.98)	23.27 (0.85)	4.38 (0.32)	3.70 (0.33)
FIN	57884	0.07	57845	5.93 (0.30)	57.88 (0.77)	30.51 (0.67)	5.11 (0.40)	0.57 (0.10)
FRA	734579	0.87	728167	10.06 (0.64)	54.68 (0.87)	28.74 (0.91)	4.68 (0.34)	1.84 (0.20)
DEU	884358	5.57	835070	11.23 (0.55)	45.33 (0.80)	32.93 (0.84)	8.07 (0.51)	2.43 (0.28)
GRC	105131	0.13	104991	10.66 (0.53)	54.63 (1.03)	27.88 (0.88)	5.28 (0.37)	1.54 (0.23)
HUN	107044	0.06	106984	8.91 (0.54)	64.89 (0.77)	22.59 (0.74)	2.72 (0.28)	0.88 (0.13)
ISL	3928	0.63	3903	10.78 (0.60)	53.90 (0.89)	26.65 (0.73)	7.71 (0.42)	0.96 (0.18)
IRL	54850	1.05	54274	6.55 (0.36)	52.27 (0.83)	31.31 (0.77)	8.12 (0.52)	1.76 (0.20)
ITA	481521	0.20	480544	9.56 (0.64)	48.72 (0.75)	32.12 (0.72)	8.08 (0.44)	1.52 (0.21)
JPN	1240054	0.10	1238855	4.46 (0.32)	48.78 (0.86)	36.74 (0.82)	9.20 (0.53)	0.81 (0.14)
KOR	533504	0.04	533302	2.68 (0.29)	51.23 (0.83)	39.41 (0.82)	5.03 (0.32)	1.65 (0.18)
LUX	4080	0.10	4076	8.05 (0.45)	40.88 (0.89)	38.44 (0.80)	10.23 (0.47)	2.41 (0.28)
MEX	1071650	0.37	1067674	18.91 (0.57)	52.02 (0.81)	17.93 (0.63)	3.40 (0.30)	7.75 (0.60)
NLD	184943	3.11	179184	4.69 (0.45)	58.57 (1.12)	30.73 (1.04)	4.60 (0.45)	1.41 (0.20)
NZL	48638	1.74	47791	8.39 (0.46)	58.59 (0.80)	26.84 (0.79)	5.06 (0.34)	1.12 (0.19)
NOR	52816	0.77	52407	7.61 (0.50)	46.14 (0.84)	34.39 (0.89)	8.96 (0.55)	2.89 (0.32)
POL	534900	.	534900	6.31 (0.38)	54.18 (0.91)	30.67 (0.88)	6.77 (0.43)	2.08 (0.30)
PRT	96857	0.23	96637	8.48 (0.43)	67.10 (0.75)	21.14 (0.80)	2.21 (0.28)	1.07 (0.22)
SVK	77067	0.06	77021	6.51 (0.49)	53.99 (0.97)	32.41 (0.95)	4.68 (0.33)	2.41 (0.27)
ESP	344372	0.07	344114	9.64 (0.47)	54.72 (0.90)	27.72 (0.69)	5.70 (0.40)	2.22 (0.25)
SWE	107104	0.25	106838	11.51 (0.66)	58.79 (0.88)	23.47 (0.81)	4.01 (0.29)	2.23 (0.22)
CHE	86491	0.14	86370	15.73 (0.81)	52.13 (0.95)	23.41 (0.85)	5.40 (0.37)	3.33 (0.42)
TUR	481279	0.03	481137	17.74 (0.68)	50.30 (0.83)	19.17 (0.77)	4.68 (0.33)	8.09 (0.82)
GBR	698579	3.61	673362	7.32 (0.46)	53.94 (0.79)	31.10 (0.73)	5.91 (0.36)	1.73 (0.16)
USA	3147089	0.76	3123066	11.60 (0.55)	57.10 (0.89)	24.33 (0.62)	5.37 (0.33)	1.60 (0.21)
TOT	.	1.34	.	10.20 (0.17)	53.61 (0.30)	27.89 (0.22)	5.81 (0.14)	2.49 (0.10)
AVG	.	1.25	.	9.30 (0.09)	54.03 (0.16)	28.65 (0.14)	5.75 (0.09)	2.26 (0.05)
HKG	72484	0.21	72334	8.42 (0.44)	57.52 (0.92)	28.50 (0.86)	5.17 (0.41)	0.38 (.)
IDN	1971476	0.19	1967646	9.79 (0.62)	56.80 (0.93)	23.85 (0.67)	2.52 (0.25)	7.03 (0.48)
LVA	33643	0.22	33570	7.03 (0.48)	61.81 (1.01)	27.16 (1.02)	2.78 (0.25)	1.21 (0.19)
LIE	338	.	338	11.47 (1.65)	47.26 (2.61)	30.99 (2.07)	7.57 (.)	2.71 (.)
MAC	6546	.	6546	8.53 (0.79)	48.78 (1.78)	33.52 (1.52)	8.07 (0.92)	1.10 (.)
RUS	2153373	0.02	2152991	11.97 (0.60)	58.74 (0.80)	22.56 (0.64)	2.84 (0.32)	3.88 (0.36)
YUG	68596	0.58	68198	9.45 (0.44)	45.77 (0.82)	32.27 (0.94)	5.48 (0.44)	7.03 (0.54)
THA	637076	.	637076	10.31 (0.56)	72.14 (0.75)	15.22 (0.68)	0.93 (0.14)	1.40 (0.19)
TUN	150875	0.07	150770	29.86 (0.84)	42.91 (0.84)	15.26 (0.61)	5.17 (0.40)	6.80 (0.41)
URY	33775	0.15	33724	15.26 (0.67)	57.32 (0.76)	18.16 (0.58)	2.70 (0.34)	6.56 (0.39)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers really listen to what I have to say.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	545	(5.20)	536	(2.17)	507	(2.88)	471	(7.56)	444	(8.96)
AUT	85931	1.08	85003	475	(6.94)	504	(4.65)	497	(3.53)	461	(7.29)	401	(13.23)
BEL	111831	1.82	109800	467	(7.49)	518	(3.15)	523	(3.07)	474	(7.10)	391	(15.68)
CAN	330436	9.70	298375	534	(3.76)	539	(1.71)	520	(2.17)	493	(5.14)	487	(8.40)
CZE	121183	4.06	116258	485	(6.71)	504	(3.00)	495	(3.27)	472	(6.90)	407	(10.96)
DNK	51741	0.65	51406	504	(5.41)	503	(2.76)	478	(3.90)	461	(8.59)	429	(11.25)
FIN	57884	0.07	57845	547	(5.03)	549	(2.09)	539	(2.22)	516	(5.85)	463	(19.77)
FRA	734579	0.87	728167	468	(6.31)	505	(3.00)	503	(3.27)	469	(8.80)	416	(15.64)
DEU	884358	5.57	835070	486	(7.70)	517	(3.99)	500	(4.08)	472	(5.84)	381	(12.82)
GRC	105131	0.13	104991	458	(7.04)	479	(4.30)	477	(4.60)	448	(10.26)	354	(23.12)
HUN	107044	0.06	106984	457	(6.95)	490	(2.87)	473	(3.34)	474	(9.10)	425	(20.65)
ISL	3928	0.63	3903	512	(6.15)	502	(2.24)	482	(3.43)	446	(8.12)	418	(25.35)
IRL	54850	1.05	54274	511	(7.08)	524	(3.05)	514	(3.36)	490	(5.43)	428	(16.31)
ITA	481521	0.20	480544	432	(7.01)	479	(3.20)	490	(3.11)	477	(6.07)	357	(19.20)
JPN	1240054	0.10	1238855	500	(8.98)	515	(4.26)	490	(4.51)	454	(7.74)	387	(28.34)
KOR	533504	0.04	533302	545	(12.34)	538	(3.29)	533	(3.40)	516	(5.78)	461	(17.21)
LUX	4080	0.10	4076	436	(4.92)	482	(2.44)	495	(2.70)	469	(4.09)	385	(14.92)
MEX	1071650	0.37	1067674	392	(4.85)	410	(4.13)	415	(5.46)	398	(10.53)	315	(6.83)
NLD	184943	3.11	179184	489	(9.12)	526	(2.75)	511	(3.60)	487	(8.96)	484	(17.67)
NZL	48638	1.74	47791	532	(7.56)	535	(2.61)	506	(3.94)	481	(9.23)	440	(20.84)
NOR	52816	0.77	52407	511	(6.75)	519	(2.97)	494	(3.68)	438	(7.32)	446	(14.74)
POL	534900	.	534900	468	(8.91)	500	(3.14)	504	(3.50)	502	(7.21)	367	(12.40)
PRT	96857	0.23	96637	470	(6.25)	481	(3.77)	478	(5.67)	446	(10.61)	373	(16.87)
SVK	77067	0.06	77021	424	(9.29)	472	(3.27)	480	(3.45)	468	(6.31)	371	(11.95)
ESP	344372	0.07	344114	466	(6.00)	488	(2.57)	482	(4.37)	459	(6.83)	380	(13.21)
SWE	107104	0.25	106838	532	(5.09)	522	(2.58)	506	(3.57)	468	(5.96)	419	(11.47)
CHE	86491	0.14	86370	501	(4.30)	508	(3.61)	496	(4.26)	466	(8.22)	424	(11.60)
TUR	481279	0.03	481137	451	(5.95)	452	(6.75)	442	(6.16)	427	(10.31)	354	(6.22)
GBR	698579	3.61	673362	521	(6.22)	519	(2.93)	496	(3.29)	459	(6.42)	425	(11.36)
USA	3147089	0.76	3123066	495	(7.14)	509	(3.22)	485	(4.14)	452	(7.14)	354	(15.13)
TOT	.	1.34	.	471	(2.52)	500	(1.30)	490	(1.39)	461	(2.40)	365	(4.17)
AVG	.	1.25	.	482	(1.32)	505	(0.73)	496	(0.72)	467	(1.31)	393	(2.38)
HKG	72484	0.21	72334	504	(7.03)	515	(3.92)	508	(3.65)	486	(9.09)	.	(.)
IDN	1971476	0.19	1967646	365	(5.45)	390	(3.69)	389	(3.52)	373	(6.51)	319	(7.01)
LVA	33643	0.22	33570	486	(7.50)	495	(3.91)	486	(4.32)	482	(9.48)	423	(13.45)
LIE	338	.	338	519	(14.72)	545	(5.70)	503	(8.93)	.	(.)	.	(.)
MAC	6546	.	6546	505	(7.29)	500	(2.86)	496	(4.21)	490	(8.47)	.	(.)
RUS	2153373	0.02	2152991	438	(5.36)	450	(4.25)	441	(4.33)	438	(11.54)	354	(8.21)
YUG	68596	0.58	68198	383	(6.51)	416	(3.81)	428	(3.77)	431	(6.50)	338	(6.17)
THA	637076	.	637076	411	(5.73)	422	(2.93)	419	(4.81)	420	(12.73)	369	(13.25)
TUN	150875	0.07	150770	368	(3.15)	389	(3.73)	378	(5.49)	365	(8.44)	317	(7.46)
URY	33775	0.15	33724	410	(6.56)	446	(3.82)	448	(5.67)	435	(10.11)	345	(6.51)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers really listen to what I have to say.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	539	(5.57)	535	(1.96)	507	(3.18)	473	(6.28)	447	(7.75)
AUT	85931	1.08	85003	491	(6.11)	517	(4.21)	510	(3.14)	479	(6.75)	431	(12.49)
BEL	111831	1.82	109800	483	(6.23)	540	(2.88)	547	(2.79)	504	(6.84)	430	(12.67)
CAN	330436	9.70	298375	536	(3.87)	542	(1.82)	527	(2.10)	508	(4.98)	492	(8.19)
CZE	121183	4.06	116258	501	(7.75)	529	(3.43)	523	(3.85)	511	(7.76)	425	(10.62)
DNK	51741	0.65	51406	523	(5.45)	524	(2.89)	504	(3.99)	486	(6.33)	452	(11.22)
FIN	57884	0.07	57845	550	(5.87)	549	(2.19)	539	(2.42)	519	(5.89)	487	(20.66)
FRA	734579	0.87	728167	478	(6.45)	518	(2.74)	519	(2.93)	491	(7.65)	447	(13.23)
DEU	884358	5.57	835070	491	(6.62)	527	(3.76)	511	(3.75)	486	(6.26)	408	(9.56)
GRC	105131	0.13	104991	428	(7.05)	450	(3.99)	449	(4.46)	440	(7.22)	342	(14.77)
HUN	107044	0.06	106984	467	(7.18)	497	(3.05)	481	(3.38)	488	(9.33)	426	(19.21)
ISL	3928	0.63	3903	528	(4.53)	523	(1.98)	505	(2.79)	485	(6.04)	463	(19.77)
IRL	54850	1.05	54274	488	(7.40)	508	(2.80)	504	(3.12)	488	(5.11)	422	(12.47)
ITA	481521	0.20	480544	414	(7.25)	466	(3.35)	483	(3.00)	475	(4.89)	370	(13.20)
JPN	1240054	0.10	1238855	541	(9.20)	550	(4.67)	524	(3.99)	497	(7.18)	452	(23.32)
KOR	533504	0.04	533302	563	(14.17)	547	(3.61)	540	(3.46)	521	(6.18)	477	(12.36)
LUX	4080	0.10	4076	448	(5.11)	496	(2.11)	505	(2.01)	485	(4.15)	434	(9.84)
MEX	1071650	0.37	1067674	375	(4.67)	397	(3.78)	399	(4.66)	378	(7.84)	305	(7.00)
NLD	184943	3.11	179184	505	(10.07)	553	(2.93)	534	(3.80)	511	(8.72)	513	(13.54)
NZL	48638	1.74	47791	535	(7.44)	538	(2.39)	506	(3.09)	486	(7.57)	446	(14.93)
NOR	52816	0.77	52407	494	(6.24)	511	(2.81)	492	(3.22)	450	(5.61)	440	(11.81)
POL	534900	.	534900	456	(7.91)	493	(2.84)	498	(3.06)	502	(6.91)	372	(9.13)
PRT	96857	0.23	96637	455	(6.11)	468	(3.42)	470	(4.80)	456	(10.79)	398	(16.18)
SVK	77067	0.06	77021	448	(9.71)	501	(3.45)	510	(3.39)	503	(7.28)	394	(9.66)
ESP	344372	0.07	344114	463	(4.55)	492	(2.60)	487	(3.61)	476	(6.49)	409	(11.10)
SWE	107104	0.25	106838	524	(5.32)	516	(2.57)	501	(3.88)	464	(6.89)	432	(11.93)
CHE	86491	0.14	86370	521	(4.82)	536	(3.96)	524	(4.55)	501	(8.45)	460	(12.49)
TUR	481279	0.03	481137	428	(6.97)	437	(7.73)	428	(7.86)	415	(9.99)	324	(6.46)
GBR	698579	3.61	673362	518	(5.95)	519	(3.12)	498	(3.15)	470	(6.64)	435	(10.98)
USA	3147089	0.76	3123066	477	(6.86)	494	(2.89)	475	(4.20)	445	(6.53)	379	(11.43)
TOT	.	1.34	.	464	(2.43)	500	(1.21)	495	(1.28)	471	(2.34)	372	(4.10)
AVG	.	1.25	.	481	(1.31)	509	(0.70)	503	(0.72)	481	(1.31)	403	(2.55)
HKG	72484	0.21	72334	537	(8.85)	556	(4.61)	549	(4.62)	527	(10.98)	.	(.)
IDN	1971476	0.19	1967646	341	(5.63)	368	(4.49)	370	(4.17)	347	(6.81)	298	(5.87)
LVA	33643	0.22	33570	472	(7.41)	487	(3.81)	483	(4.46)	481	(8.96)	405	(12.93)
LIE	338	.	338	536	(16.79)	556	(7.05)	511	(9.49)	.	(.)	.	(.)
MAC	6546	.	6546	531	(9.80)	530	(4.26)	530	(6.69)	511	(10.54)	.	(.)
RUS	2153373	0.02	2152991	471	(5.76)	474	(4.69)	467	(4.36)	466	(11.62)	392	(7.22)
YUG	68596	0.58	68198	401	(6.46)	443	(3.84)	453	(3.99)	457	(6.20)	360	(5.70)
THA	637076	.	637076	404	(5.93)	419	(2.94)	417	(4.77)	419	(14.24)	385	(12.83)
TUN	150875	0.07	150770	349	(3.04)	370	(3.18)	367	(4.13)	367	(6.61)	310	(5.19)
URY	33775	0.15	33724	399	(5.89)	432	(3.40)	440	(4.39)	451	(9.66)	334	(4.92)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers really listen to what I have to say.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	544 (5.21)	536 (1.98)	505 (2.95)	474 (7.16)	444 (8.21)
AUT	85931	1.08	85003	480 (6.30)	504 (4.40)	493 (3.69)	463 (6.27)	418 (12.97)
BEL	111831	1.82	109800	470 (6.50)	519 (3.01)	524 (2.98)	476 (7.20)	408 (13.21)
CAN	330436	9.70	298375	527 (4.29)	530 (2.09)	511 (2.46)	485 (5.58)	479 (9.32)
CZE	121183	4.06	116258	514 (8.17)	536 (3.40)	528 (3.74)	511 (8.74)	435 (11.00)
DNK	51741	0.65	51406	484 (5.25)	485 (2.99)	464 (4.29)	454 (8.41)	401 (13.05)
FIN	57884	0.07	57845	553 (6.05)	553 (2.32)	544 (2.55)	520 (6.57)	484 (21.00)
FRA	734579	0.87	728167	476 (8.09)	519 (3.45)	521 (3.62)	484 (10.10)	448 (16.64)
DEU	884358	5.57	835070	491 (7.45)	526 (4.09)	512 (4.49)	488 (6.17)	394 (10.61)
GRC	105131	0.13	104991	473 (6.98)	485 (4.05)	484 (4.86)	468 (8.10)	393 (14.11)
HUN	107044	0.06	106984	483 (7.19)	511 (3.05)	494 (3.45)	500 (9.51)	419 (18.19)
ISL	3928	0.63	3903	509 (5.53)	502 (2.07)	486 (3.11)	465 (6.43)	448 (20.97)
IRL	54850	1.05	54274	493 (9.31)	512 (3.13)	506 (3.37)	486 (5.36)	418 (14.57)
ITA	481521	0.20	480544	434 (7.03)	486 (3.39)	506 (3.19)	497 (5.29)	364 (16.79)
JPN	1240054	0.10	1238855	563 (9.76)	565 (4.63)	537 (4.44)	501 (7.76)	467 (25.48)
KOR	533504	0.04	533302	554 (15.83)	543 (3.92)	537 (3.79)	516 (7.30)	481 (15.22)
LUX	4080	0.10	4076	440 (5.84)	488 (2.58)	495 (2.41)	471 (4.72)	406 (13.22)
MEX	1071650	0.37	1067674	400 (4.14)	414 (3.52)	416 (4.71)	396 (9.52)	335 (6.99)
NLD	184943	3.11	179184	496 (10.86)	540 (3.29)	518 (4.01)	489 (10.28)	490 (15.98)
NZL	48638	1.74	47791	526 (7.90)	534 (2.60)	506 (3.44)	486 (7.62)	441 (17.00)
NOR	52816	0.77	52407	487 (6.76)	502 (3.29)	478 (3.70)	435 (7.36)	435 (12.31)
POL	534900	.	534900	465 (9.05)	499 (3.27)	507 (3.84)	516 (7.86)	380 (11.96)
PRT	96857	0.23	96637	456 (6.71)	470 (3.50)	474 (5.42)	455 (10.19)	375 (19.54)
SVK	77067	0.06	77021	448 (12.19)	498 (4.03)	505 (3.93)	504 (6.33)	403 (12.06)
ESP	344372	0.07	344114	468 (5.40)	494 (3.04)	491 (4.29)	472 (6.78)	392 (12.27)
SWE	107104	0.25	106838	519 (5.59)	513 (2.75)	500 (4.13)	458 (8.80)	422 (11.59)
CHE	86491	0.14	86370	513 (5.29)	523 (3.95)	509 (4.90)	481 (10.08)	441 (11.77)
TUR	481279	0.03	481137	445 (6.01)	445 (6.75)	432 (6.87)	419 (10.30)	356 (6.39)
GBR	698579	3.61	673362	534 (6.74)	532 (3.06)	504 (3.63)	470 (7.26)	436 (13.25)
USA	3147089	0.76	3123066	489 (6.64)	503 (3.10)	482 (4.21)	455 (7.10)	390 (14.84)
TOT	.	1.34	.	475 (2.36)	506 (1.23)	500 (1.34)	475 (2.35)	385 (4.02)
AVG	.	1.25	.	484 (1.28)	509 (0.68)	502 (0.72)	477 (1.33)	404 (2.09)
HKG	72484	0.21	72334	527 (8.76)	544 (4.41)	540 (4.37)	518 (10.92)	. (.)
IDN	1971476	0.19	1967646	383 (3.93)	400 (3.66)	403 (3.73)	387 (5.24)	348 (5.31)
LVA	33643	0.22	33570	484 (7.73)	494 (4.12)	485 (4.47)	479 (9.85)	402 (14.07)
LIE	338	.	338	526 (16.57)	547 (7.73)	501 (10.61)	. (.)	. (.)
MAC	6546	.	6546	535 (10.31)	529 (4.34)	523 (5.81)	507 (13.48)	. (.)
RUS	2153373	0.02	2152991	492 (5.80)	494 (4.71)	488 (4.47)	485 (11.82)	416 (7.57)
YUG	68596	0.58	68198	412 (6.54)	439 (3.95)	449 (3.85)	457 (5.84)	381 (6.24)
THA	637076	.	637076	417 (5.05)	431 (2.73)	430 (4.59)	435 (14.77)	399 (12.86)
TUN	150875	0.07	150770	379 (2.93)	395 (3.32)	391 (4.50)	381 (7.78)	335 (5.96)
URY	33775	0.15	33724	416 (5.10)	447 (3.07)	454 (5.08)	466 (11.54)	359 (6.49)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers really listen to what I have to say.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	547	(4.96)	540	(1.80)	512	(2.96)	478	(6.36)	447	(7.96)
AUT	85931	1.08	85003	492	(5.74)	518	(4.17)	510	(2.90)	481	(6.19)	425	(12.71)
BEL	111831	1.82	109800	483	(5.75)	536	(2.72)	540	(2.63)	497	(6.77)	425	(13.25)
CAN	330436	9.70	298375	537	(3.94)	541	(1.78)	522	(2.07)	498	(5.44)	493	(7.77)
CZE	121183	4.06	116258	503	(7.65)	530	(3.42)	523	(3.59)	505	(7.61)	428	(11.75)
DNK	51741	0.65	51406	526	(5.49)	526	(2.60)	507	(3.35)	487	(6.48)	455	(11.06)
FIN	57884	0.07	57845	554	(5.43)	552	(2.23)	543	(2.71)	527	(6.70)	499	(20.31)
FRA	734579	0.87	728167	489	(6.73)	527	(2.94)	525	(3.03)	499	(7.68)	462	(15.21)
DEU	884358	5.57	835070	499	(7.16)	534	(3.62)	519	(3.84)	491	(5.58)	420	(9.92)
GRC	105131	0.13	104991	426	(6.98)	453	(4.12)	456	(4.63)	435	(9.35)	354	(18.09)
HUN	107044	0.06	106984	478	(7.57)	508	(3.09)	492	(3.45)	494	(9.19)	451	(21.41)
ISL	3928	0.63	3903	522	(4.39)	513	(1.82)	495	(2.81)	474	(5.71)	441	(23.46)
IRL	54850	1.05	54274	485	(6.73)	504	(2.74)	500	(2.95)	483	(4.76)	414	(13.18)
ITA	481521	0.20	480544	420	(6.90)	472	(3.39)	485	(2.99)	473	(5.85)	360	(18.45)
JPN	1240054	0.10	1238855	556	(8.55)	563	(4.70)	539	(4.22)	502	(7.25)	438	(28.27)
KOR	533504	0.04	533302	563	(13.87)	554	(3.34)	549	(3.29)	531	(6.16)	499	(13.10)
LUX	4080	0.10	4076	452	(5.49)	498	(2.38)	505	(1.97)	482	(3.72)	433	(10.68)
MEX	1071650	0.37	1067674	379	(5.40)	395	(4.46)	399	(5.57)	375	(9.54)	296	(7.48)
NLD	184943	3.11	179184	492	(10.31)	534	(3.09)	514	(3.84)	486	(8.39)	490	(14.92)
NZL	48638	1.74	47791	540	(7.31)	545	(2.38)	519	(3.28)	497	(9.73)	462	(16.04)
NOR	52816	0.77	52407	496	(6.22)	508	(3.13)	485	(3.23)	432	(6.87)	435	(11.35)
POL	534900	.	534900	460	(7.95)	490	(2.85)	494	(3.60)	490	(6.65)	361	(14.60)
PRT	96857	0.23	96637	455	(6.39)	472	(3.90)	476	(5.71)	460	(9.73)	386	(19.57)
SVK	77067	0.06	77021	445	(9.59)	496	(3.54)	502	(3.61)	492	(6.62)	394	(8.87)
ESP	344372	0.07	344114	463	(5.15)	490	(2.79)	484	(4.25)	467	(7.19)	402	(13.40)
SWE	107104	0.25	106838	524	(5.14)	515	(2.66)	499	(3.43)	470	(7.99)	435	(11.15)
CHE	86491	0.14	86370	518	(4.45)	531	(3.36)	517	(4.14)	493	(7.79)	452	(11.21)
TUR	481279	0.03	481137	415	(6.25)	420	(6.73)	412	(6.75)	399	(9.33)	307	(7.09)
GBR	698579	3.61	673362	520	(5.88)	521	(3.01)	498	(3.30)	468	(6.52)	443	(11.06)
USA	3147089	0.76	3123066	474	(7.30)	489	(3.07)	468	(4.15)	437	(7.09)	369	(13.64)
TOT	.	1.34	.	465	(2.60)	500	(1.28)	496	(1.35)	468	(2.48)	367	(4.30)
AVG	.	1.25	.	482	(1.35)	509	(0.71)	503	(0.75)	478	(1.29)	400	(2.64)
HKG	72484	0.21	72334	537	(8.08)	553	(4.39)	546	(4.12)	526	(11.13)	.	(.)
IDN	1971476	0.19	1967646	341	(4.86)	369	(3.70)	369	(3.81)	346	(7.65)	307	(5.68)
LVA	33643	0.22	33570	479	(7.79)	487	(4.03)	478	(4.48)	474	(9.35)	387	(12.91)
LIE	338	.	338	530	(15.76)	551	(6.36)	502	(8.35)	.	(.)	.	(.)
MAC	6546	.	6546	536	(9.06)	533	(3.58)	536	(6.03)	513	(10.52)	.	(.)
RUS	2153373	0.02	2152991	474	(5.29)	486	(5.35)	479	(4.79)	478	(12.52)	383	(9.38)
YUG	68596	0.58	68198	390	(6.09)	427	(3.49)	435	(3.78)	437	(6.37)	344	(5.94)
THA	637076	.	637076	414	(5.86)	427	(2.75)	424	(4.75)	425	(14.90)	383	(12.97)
TUN	150875	0.07	150770	338	(2.93)	356	(2.59)	348	(4.00)	342	(7.31)	299	(5.27)
URY	33775	0.15	33724	385	(6.54)	422	(4.26)	429	(5.32)	426	(9.88)	313	(5.75)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

If I need extra help, I will receive it from my teachers.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	16.52 (0.46)	68.95 (0.60)	11.36 (0.44)	1.84 (0.21)	1.33 (0.11)
AUT	85931	1.08	85003	20.20 (0.79)	45.75 (0.99)	25.02 (0.81)	7.32 (0.46)	1.71 (0.22)
BEL	111831	1.82	109800	11.96 (0.50)	66.90 (0.62)	15.72 (0.49)	2.99 (0.19)	2.42 (0.19)
CAN	330436	9.70	298375	21.86 (0.55)	66.94 (0.56)	8.03 (0.27)	1.57 (0.11)	1.60 (0.12)
CZE	121183	4.06	116258	9.28 (0.49)	66.64 (0.75)	18.72 (0.64)	3.08 (0.29)	2.27 (0.26)
DNK	51741	0.65	51406	15.50 (0.66)	63.88 (0.71)	14.51 (0.56)	2.91 (0.30)	3.20 (0.29)
FIN	57884	0.07	57845	10.57 (0.39)	74.86 (0.61)	12.46 (0.49)	1.59 (0.15)	0.53 (0.10)
FRA	734579	0.87	728167	14.25 (0.63)	65.02 (0.78)	15.76 (0.71)	2.80 (0.26)	2.17 (0.24)
DEU	884358	5.57	835070	19.63 (0.88)	45.98 (0.73)	24.47 (0.78)	7.59 (0.43)	2.34 (0.30)
GRC	105131	0.13	104991	15.16 (0.82)	51.85 (0.94)	25.79 (1.04)	5.75 (0.49)	1.44 (0.23)
HUN	107044	0.06	106984	12.01 (0.67)	59.02 (0.79)	24.80 (0.84)	3.07 (0.31)	1.10 (0.17)
ISL	3928	0.63	3903	15.74 (0.67)	60.38 (0.76)	17.67 (0.66)	5.26 (0.36)	0.95 (0.20)
IRL	54850	1.05	54274	10.85 (0.58)	64.67 (0.81)	18.45 (0.81)	4.34 (0.36)	1.69 (0.19)
ITA	481521	0.20	480544	8.82 (0.55)	48.52 (0.94)	33.65 (0.79)	7.46 (0.37)	1.55 (0.18)
JPN	1240054	0.10	1238855	7.41 (0.42)	49.61 (0.74)	33.11 (0.68)	9.03 (0.51)	0.84 (0.15)
KOR	533504	0.04	533302	11.79 (0.54)	72.31 (0.72)	12.50 (0.51)	2.01 (0.20)	1.39 (0.17)
LUX	4080	0.10	4076	10.51 (0.46)	41.17 (0.78)	32.30 (0.71)	12.85 (0.52)	3.16 (0.30)
MEX	1071650	0.37	1067674	22.55 (0.72)	51.08 (0.74)	15.28 (0.58)	3.35 (0.26)	7.74 (0.60)
NLD	184943	3.16	179099	8.65 (0.58)	74.19 (0.98)	14.01 (0.76)	1.76 (0.25)	1.37 (0.19)
NZL	48638	1.70	47812	15.90 (0.61)	68.15 (0.62)	12.92 (0.59)	1.92 (0.22)	1.11 (0.15)
NOR	52816	0.77	52407	12.46 (0.64)	60.87 (0.88)	18.90 (0.71)	5.14 (0.41)	2.62 (0.31)
POL	534900	.	534900	7.79 (0.44)	58.57 (0.95)	25.53 (0.83)	5.95 (0.41)	2.16 (0.30)
PRT	96857	0.23	96637	12.91 (0.60)	70.41 (0.73)	13.52 (0.63)	1.86 (0.22)	1.30 (0.26)
SVK	77067	0.06	77021	8.71 (0.54)	56.46 (0.74)	26.58 (0.75)	5.94 (0.32)	2.30 (0.24)
ESP	344372	0.07	344114	10.08 (0.55)	53.80 (0.85)	25.92 (0.69)	7.83 (0.44)	2.38 (0.21)
SWE	107104	0.25	106838	14.01 (0.66)	65.16 (0.79)	16.02 (0.68)	2.38 (0.26)	2.42 (0.21)
CHE	86491	0.14	86370	28.23 (0.94)	51.64 (0.83)	14.37 (0.59)	2.89 (0.21)	2.86 (0.22)
TUR	481279	0.03	481137	22.45 (0.89)	46.80 (0.97)	18.05 (0.65)	5.43 (0.33)	7.27 (0.71)
GBR	698579	3.61	673362	16.22 (0.56)	69.88 (0.69)	10.56 (0.59)	1.96 (0.21)	1.38 (0.16)
USA	3147089	0.76	3123066	21.67 (0.69)	65.51 (0.86)	9.27 (0.46)	2.14 (0.19)	1.42 (0.22)
TOT	.	1.34	.	16.44 (0.21)	59.46 (0.32)	17.54 (0.22)	4.18 (0.09)	2.39 (0.10)
AVG	.	1.25	.	14.43 (0.11)	60.13 (0.16)	18.89 (0.14)	4.35 (0.06)	2.21 (0.04)
HKG	72484	0.21	72334	13.39 (0.61)	69.04 (0.74)	14.56 (0.57)	2.81 (0.31)	0.21 (.)
IDN	1971476	0.19	1967646	31.53 (0.66)	58.17 (0.75)	4.65 (0.33)	0.89 (0.18)	4.76 (0.37)
LVA	33643	0.22	33570	10.15 (0.69)	59.93 (1.01)	24.80 (0.90)	3.61 (0.32)	1.50 (0.22)
LIE	338	.	338	19.60 (2.24)	51.27 (2.93)	23.13 (2.39)	4.79 (.)	1.20 (.)
MAC	6546	.	6546	10.78 (0.99)	64.14 (1.55)	21.41 (1.26)	3.29 (0.61)	0.38 (.)
RUS	2153373	0.02	2152991	10.17 (0.53)	48.66 (1.05)	31.49 (1.10)	5.70 (0.45)	3.97 (0.36)
YUG	68596	0.58	68198	12.93 (0.74)	55.82 (0.97)	20.91 (0.77)	3.87 (0.36)	6.47 (0.52)
THA	637076	.	637076	15.51 (0.95)	68.86 (1.03)	13.14 (0.61)	1.05 (0.18)	1.44 (0.20)
TUN	150875	0.07	150770	31.72 (0.96)	42.04 (0.97)	14.78 (0.58)	6.49 (0.42)	4.97 (0.34)
URY	33775	0.15	33724	14.02 (0.87)	57.10 (0.81)	18.49 (0.64)	2.89 (0.38)	7.51 (0.48)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

If I need extra help, I will receive it from my teachers.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	542 (3.82)	529 (2.02)	503 (4.02)	452 (9.44)	435 (10.57)
AUT	85931	1.08	85003	466 (5.68)	502 (4.39)	510 (4.58)	473 (6.84)	417 (13.30)
BEL	111831	1.82	109800	489 (7.04)	521 (2.59)	506 (4.27)	458 (8.25)	400 (13.26)
CAN	330436	9.70	298375	539 (3.04)	534 (1.66)	509 (3.50)	472 (8.40)	473 (7.18)
CZE	121183	4.06	116258	478 (5.42)	502 (2.83)	496 (3.90)	462 (7.85)	420 (13.69)
DNK	51741	0.65	51406	491 (5.34)	499 (2.83)	489 (4.09)	453 (10.69)	427 (12.39)
FIN	57884	0.07	57845	544 (4.55)	547 (1.78)	530 (3.63)	495 (11.82)	450 (22.13)
FRA	734579	0.87	728167	488 (5.46)	504 (2.84)	496 (4.80)	458 (11.25)	413 (13.27)
DEU	884358	5.57	835070	475 (5.94)	510 (3.70)	520 (3.81)	488 (7.30)	392 (14.65)
GRC	105131	0.13	104991	458 (6.40)	475 (4.26)	485 (4.74)	459 (10.50)	354 (24.21)
HUN	107044	0.06	106984	464 (6.84)	485 (2.93)	486 (3.62)	473 (7.41)	434 (19.75)
ISL	3928	0.63	3903	506 (4.83)	496 (2.21)	483 (5.16)	453 (10.11)	418 (24.04)
IRL	54850	1.05	54274	510 (6.40)	520 (2.83)	517 (3.90)	484 (7.16)	420 (16.03)
ITA	481521	0.20	480544	429 (7.53)	476 (2.94)	492 (3.37)	479 (5.67)	371 (18.57)
JPN	1240054	0.10	1238855	502 (7.72)	511 (3.91)	492 (4.87)	458 (7.00)	377 (26.53)
KOR	533504	0.04	533302	546 (5.34)	537 (2.97)	521 (4.69)	510 (9.60)	456 (18.63)
LUX	4080	0.10	4076	455 (5.65)	486 (2.55)	492 (2.57)	470 (4.39)	396 (11.95)
MEX	1071650	0.37	1067674	398 (4.98)	413 (4.06)	406 (6.45)	386 (8.65)	314 (6.01)
NLD	184943	3.16	179099	501 (6.58)	523 (2.56)	506 (5.60)	468 (13.65)	474 (16.08)
NZL	48638	1.70	47812	529 (5.44)	529 (2.54)	506 (5.59)	458 (11.41)	452 (18.11)
NOR	52816	0.77	52407	509 (4.84)	510 (3.06)	489 (4.66)	429 (8.68)	445 (14.96)
POL	534900	.	534900	481 (6.59)	501 (2.88)	503 (4.08)	491 (7.15)	376 (13.49)
PRT	96857	0.23	96637	465 (5.26)	483 (3.68)	479 (5.84)	429 (14.45)	383 (15.51)
SVK	77067	0.06	77021	428 (8.03)	474 (2.99)	481 (3.83)	467 (4.97)	370 (12.48)
ESP	344372	0.07	344114	469 (5.80)	489 (2.63)	483 (3.70)	451 (5.81)	394 (11.65)
SWE	107104	0.25	106838	511 (4.53)	523 (2.78)	503 (4.51)	467 (11.39)	444 (13.20)
CHE	86491	0.14	86370	489 (3.38)	510 (3.49)	504 (5.86)	467 (16.36)	423 (14.04)
TUR	481279	0.03	481137	444 (6.18)	450 (6.56)	450 (6.56)	434 (8.45)	354 (6.99)
GBR	698579	3.61	673362	519 (4.37)	512 (2.75)	477 (4.67)	435 (11.90)	398 (13.46)
USA	3147089	0.76	3123066	504 (5.00)	501 (3.02)	472 (5.98)	437 (11.99)	357 (16.14)
TOT	.	1.34	.	484 (2.09)	498 (1.20)	485 (1.69)	457 (2.49)	365 (4.13)
AVG	.	1.25	.	487 (1.17)	504 (0.64)	493 (0.97)	462 (1.43)	394 (2.78)
HKG	72484	0.21	72334	513 (5.33)	516 (3.60)	489 (5.25)	456 (11.36)	. (.)
IDN	1971476	0.19	1967646	371 (3.17)	392 (3.61)	396 (8.99)	368 (22.20)	316 (5.88)
LVA	33643	0.22	33570	478 (6.45)	495 (3.97)	489 (4.42)	484 (9.66)	431 (12.47)
LIE	338	.	338	504 (12.46)	533 (6.26)	527 (9.36)	. (.)	. (.)
MAC	6546	.	6546	491 (9.30)	501 (2.62)	494 (6.00)	478 (10.39)	. (.)
RUS	2153373	0.02	2152991	424 (5.91)	447 (4.20)	451 (4.29)	447 (8.16)	361 (8.57)
YUG	68596	0.58	68198	385 (5.46)	422 (3.67)	428 (3.88)	409 (8.84)	334 (6.49)
THA	637076	.	637076	414 (5.22)	422 (2.77)	423 (5.03)	417 (15.13)	360 (14.53)
TUN	150875	0.07	150770	364 (3.64)	384 (3.90)	390 (4.97)	371 (6.92)	323 (7.81)
URY	33775	0.15	33724	403 (7.01)	445 (3.54)	455 (5.07)	429 (13.36)	356 (7.97)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

If I need extra help, I will receive it from my teachers.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	536 (3.54)	529 (2.04)	504 (3.87)	459 (8.78)	437 (9.33)
AUT	85931	1.08	85003	485 (5.10)	516 (3.77)	519 (4.33)	487 (5.41)	444 (13.45)
BEL	111831	1.82	109800	506 (6.03)	544 (2.45)	529 (3.50)	488 (7.44)	434 (10.46)
CAN	330436	9.70	298375	540 (2.59)	539 (1.82)	520 (3.55)	500 (8.76)	483 (8.06)
CZE	121183	4.06	116258	498 (5.59)	530 (3.30)	523 (4.14)	491 (8.45)	440 (14.03)
DNK	51741	0.65	51406	509 (5.06)	521 (2.95)	510 (4.54)	486 (8.02)	459 (11.57)
FIN	57884	0.07	57845	549 (5.07)	547 (1.82)	530 (3.46)	510 (11.38)	490 (18.91)
FRA	734579	0.87	728167	499 (5.37)	518 (2.69)	511 (4.41)	480 (9.72)	449 (10.02)
DEU	884358	5.57	835070	482 (5.18)	519 (3.60)	530 (3.82)	504 (6.82)	422 (11.99)
GRC	105131	0.13	104991	425 (5.68)	447 (4.29)	458 (4.32)	447 (7.83)	349 (16.36)
HUN	107044	0.06	106984	471 (6.52)	493 (3.31)	494 (3.29)	487 (8.25)	430 (17.91)
ISL	3928	0.63	3903	525 (4.56)	519 (2.19)	505 (4.09)	489 (7.77)	459 (20.23)
IRL	54850	1.05	54274	487 (5.56)	507 (2.64)	509 (3.47)	487 (6.98)	419 (13.21)
ITA	481521	0.20	480544	413 (7.81)	465 (3.40)	482 (2.92)	480 (4.59)	388 (12.62)
JPN	1240054	0.10	1238855	532 (8.40)	545 (4.23)	530 (4.41)	498 (6.72)	456 (23.09)
KOR	533504	0.04	533302	560 (5.90)	545 (3.17)	524 (4.68)	507 (10.45)	471 (12.67)
LUX	4080	0.10	4076	467 (4.14)	500 (2.06)	502 (2.07)	488 (3.80)	432 (8.67)
MEX	1071650	0.37	1067674	382 (4.77)	397 (3.73)	394 (4.80)	372 (7.21)	306 (5.85)
NLD	184943	3.16	179099	520 (7.13)	550 (2.71)	528 (5.88)	490 (13.71)	499 (15.44)
NZL	48638	1.70	47812	527 (5.06)	531 (2.35)	507 (4.55)	470 (9.21)	458 (13.86)
NOR	52816	0.77	52407	495 (4.84)	506 (2.76)	485 (3.85)	433 (5.71)	439 (11.71)
POL	534900	.	534900	467 (6.65)	493 (2.76)	500 (3.73)	491 (6.57)	382 (10.81)
PRT	96857	0.23	96637	449 (4.97)	470 (3.26)	471 (4.96)	447 (12.94)	395 (16.70)
SVK	77067	0.06	77021	453 (9.15)	505 (3.27)	509 (3.83)	497 (5.56)	395 (10.23)
ESP	344372	0.07	344114	468 (4.71)	493 (2.61)	488 (3.23)	464 (5.21)	415 (9.61)
SWE	107104	0.25	106838	505 (4.43)	516 (2.73)	499 (4.63)	472 (9.78)	454 (11.80)
CHE	86491	0.14	86370	512 (3.84)	538 (3.75)	534 (7.05)	506 (16.39)	455 (12.34)
TUR	481279	0.03	481137	418 (7.48)	436 (7.62)	435 (8.50)	431 (10.61)	326 (6.36)
GBR	698579	3.61	673362	517 (4.61)	513 (2.60)	480 (4.93)	451 (11.59)	408 (12.78)
USA	3147089	0.76	3123066	488 (4.56)	488 (2.86)	466 (5.54)	434 (10.63)	388 (13.05)
TOT	.	1.34	.	478 (2.00)	498 (1.11)	493 (1.56)	470 (2.55)	374 (3.97)
AVG	.	1.25	.	488 (1.20)	510 (0.62)	499 (0.92)	477 (1.51)	406 (2.76)
HKG	72484	0.21	72334	556 (7.45)	557 (4.40)	526 (5.67)	494 (12.23)	. (.)
IDN	1971476	0.19	1967646	346 (3.12)	372 (4.37)	383 (10.28)	341 (20.45)	294 (6.64)
LVA	33643	0.22	33570	464 (5.95)	487 (4.13)	487 (4.18)	484 (8.67)	415 (10.98)
LIE	338	.	338	521 (13.38)	543 (6.26)	537 (9.72)	. (.)	. (.)
MAC	6546	.	6546	523 (9.45)	530 (3.25)	527 (8.13)	494 (19.71)	. (.)
RUS	2153373	0.02	2152991	455 (6.11)	472 (4.58)	475 (4.46)	475 (7.77)	396 (6.37)
YUG	68596	0.58	68198	402 (5.31)	448 (3.80)	453 (3.96)	438 (7.84)	358 (5.59)
THA	637076	.	637076	407 (5.80)	419 (3.10)	423 (4.82)	413 (12.78)	380 (14.24)
TUN	150875	0.07	150770	349 (3.21)	367 (3.32)	371 (4.14)	367 (5.42)	309 (5.51)
URY	33775	0.15	33724	391 (6.70)	431 (3.30)	449 (4.22)	434 (11.33)	342 (5.83)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

If I need extra help, I will receive it from my teachers.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	541 (3.72)	529 (2.04)	501 (3.97)	463 (8.55)	432 (10.23)
AUT	85931	1.08	85003	472 (5.52)	501 (4.05)	506 (4.32)	471 (5.94)	427 (14.04)
BEL	111831	1.82	109800	494 (6.19)	522 (2.63)	506 (3.94)	462 (7.91)	414 (10.69)
CAN	330436	9.70	298375	529 (3.24)	526 (1.98)	500 (3.91)	468 (9.50)	463 (8.94)
CZE	121183	4.06	116258	508 (5.56)	535 (3.19)	529 (4.53)	494 (8.17)	447 (14.94)
DNK	51741	0.65	51406	471 (5.26)	483 (3.16)	471 (4.81)	449 (11.55)	406 (13.01)
FIN	57884	0.07	57845	552 (5.35)	552 (1.89)	533 (3.96)	499 (12.35)	481 (21.37)
FRA	734579	0.87	728167	499 (6.47)	518 (3.14)	516 (5.06)	476 (13.94)	451 (13.43)
DEU	884358	5.57	835070	481 (5.80)	520 (3.85)	531 (4.31)	505 (7.24)	409 (13.42)
GRC	105131	0.13	104991	468 (6.07)	481 (4.19)	494 (4.68)	476 (8.98)	398 (18.02)
HUN	107044	0.06	106984	488 (6.88)	506 (3.05)	508 (3.70)	502 (8.00)	429 (19.02)
ISL	3928	0.63	3903	505 (4.54)	499 (2.25)	485 (4.30)	466 (8.80)	436 (19.47)
IRL	54850	1.05	54274	494 (7.22)	510 (2.98)	509 (3.97)	483 (7.40)	415 (15.18)
ITA	481521	0.20	480544	434 (7.80)	486 (3.51)	503 (3.19)	502 (5.52)	379 (17.68)
JPN	1240054	0.10	1238855	558 (8.22)	561 (4.39)	540 (5.02)	505 (7.49)	459 (25.79)
KOR	533504	0.04	533302	555 (6.03)	541 (3.49)	521 (5.23)	504 (12.46)	478 (15.71)
LUX	4080	0.10	4076	459 (5.34)	490 (2.48)	492 (2.73)	473 (4.68)	412 (10.98)
MEX	1071650	0.37	1067674	404 (4.28)	415 (3.63)	410 (5.08)	396 (9.03)	336 (7.24)
NLD	184943	3.16	179099	511 (7.44)	536 (2.92)	512 (6.18)	471 (15.08)	477 (16.18)
NZL	48638	1.70	47812	521 (5.53)	528 (2.42)	507 (5.06)	469 (12.49)	452 (14.91)
NOR	52816	0.77	52407	488 (5.16)	496 (3.08)	473 (5.01)	416 (8.23)	435 (13.00)
POL	534900	.	534900	475 (7.35)	500 (3.00)	506 (4.27)	504 (7.76)	400 (12.46)
PRT	96857	0.23	96637	451 (5.25)	472 (3.53)	475 (5.60)	443 (13.54)	372 (19.02)
SVK	77067	0.06	77021	455 (9.71)	501 (3.58)	504 (4.07)	495 (6.01)	388 (19.19)
ESP	344372	0.07	344114	473 (5.80)	496 (2.72)	490 (3.85)	461 (5.34)	407 (11.70)
SWE	107104	0.25	106838	497 (4.84)	514 (3.20)	497 (5.09)	463 (11.95)	450 (12.44)
CHE	86491	0.14	86370	499 (4.19)	524 (4.04)	519 (7.66)	487 (22.50)	442 (13.15)
TUR	481279	0.03	481137	439 (6.44)	443 (6.87)	439 (7.28)	428 (8.83)	355 (7.12)
GBR	698579	3.61	673362	535 (4.72)	524 (2.88)	483 (5.23)	448 (11.87)	411 (14.76)
USA	3147089	0.76	3123066	499 (4.95)	496 (2.96)	474 (5.55)	443 (11.94)	391 (15.76)
TOT	.	1.34	.	488 (2.15)	504 (1.12)	500 (1.61)	476 (2.36)	386 (4.11)
AVG	.	1.25	.	490 (1.20)	509 (0.60)	500 (0.96)	474 (1.51)	406 (2.74)
HKG	72484	0.21	72334	541 (7.15)	546 (4.06)	518 (5.89)	490 (13.12)	. (.)
IDN	1971476	0.19	1967646	385 (2.85)	403 (3.52)	415 (8.97)	386 (19.27)	347 (5.10)
LVA	33643	0.22	33570	476 (6.38)	494 (4.32)	490 (4.22)	481 (9.94)	415 (13.20)
LIE	338	.	338	509 (14.53)	534 (7.12)	525 (9.58)	. (.)	. (.)
MAC	6546	.	6546	517 (9.94)	529 (3.64)	522 (7.45)	494 (15.56)	. (.)
RUS	2153373	0.02	2152991	475 (6.48)	494 (4.66)	495 (4.59)	496 (8.11)	420 (8.01)
YUG	68596	0.58	68198	411 (5.41)	444 (3.70)	451 (4.15)	436 (7.47)	380 (5.86)
THA	637076	.	637076	420 (5.36)	431 (2.74)	435 (5.29)	436 (16.06)	393 (11.99)
TUN	150875	0.07	150770	378 (3.11)	392 (3.30)	395 (4.42)	387 (6.19)	335 (6.54)
URY	33775	0.15	33724	410 (6.25)	446 (3.19)	465 (4.17)	448 (12.25)	365 (6.71)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

If I need extra help, I will receive it frommy teachers.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	543 (3.80)	534 (1.86)	509 (3.60)	465 (8.22)	436 (9.70)
AUT	85931	1.08	85003	488 (4.57)	517 (3.82)	518 (4.11)	487 (5.49)	442 (13.70)
BEL	111831	1.82	109800	506 (5.32)	538 (2.31)	525 (3.59)	485 (7.46)	431 (10.77)
CAN	330436	9.70	298375	541 (2.82)	536 (1.72)	512 (3.59)	486 (7.97)	478 (6.71)
CZE	121183	4.06	116258	501 (5.51)	530 (3.08)	522 (3.81)	491 (7.77)	438 (14.31)
DNK	51741	0.65	51406	513 (5.09)	524 (2.68)	512 (3.95)	485 (7.75)	460 (11.20)
FIN	57884	0.07	57845	551 (4.80)	551 (1.93)	535 (4.03)	513 (12.24)	495 (16.46)
FRA	734579	0.87	728167	509 (5.54)	527 (2.84)	520 (4.64)	485 (8.11)	456 (11.64)
DEU	884358	5.57	835070	493 (5.35)	527 (3.58)	537 (3.66)	509 (6.32)	430 (11.93)
GRC	105131	0.13	104991	425 (6.32)	451 (4.12)	464 (5.28)	447 (9.96)	355 (18.16)
HUN	107044	0.06	106984	484 (6.78)	504 (3.20)	504 (3.34)	494 (7.24)	462 (19.07)
ISL	3928	0.63	3903	517 (4.16)	508 (1.78)	496 (4.55)	480 (7.77)	439 (22.12)
IRL	54850	1.05	54274	485 (5.56)	503 (2.50)	501 (3.41)	479 (7.18)	411 (13.03)
ITA	481521	0.20	480544	418 (7.76)	470 (3.34)	486 (3.18)	478 (5.22)	374 (15.76)
JPN	1240054	0.10	1238855	546 (7.98)	559 (4.19)	543 (4.61)	507 (7.27)	437 (28.57)
KOR	533504	0.04	533302	563 (5.63)	553 (2.97)	534 (4.68)	520 (10.49)	494 (14.34)
LUX	4080	0.10	4076	471 (5.51)	501 (2.04)	502 (2.44)	483 (4.05)	433 (9.09)
MEX	1071650	0.37	1067674	384 (5.21)	396 (4.67)	393 (5.08)	363 (8.86)	299 (6.45)
NLD	184943	3.16	179099	505 (7.49)	531 (2.77)	506 (6.02)	467 (15.15)	470 (15.29)
NZL	48638	1.70	47812	533 (5.16)	540 (2.27)	520 (5.18)	482 (9.59)	479 (14.54)
NOR	52816	0.77	52407	496 (4.87)	502 (2.75)	478 (4.82)	415 (6.47)	440 (11.70)
POL	534900	.	534900	470 (6.36)	490 (2.82)	495 (3.87)	479 (6.99)	373 (16.12)
PRT	96857	0.23	96637	447 (6.01)	475 (3.83)	479 (5.65)	451 (12.79)	381 (18.97)
SVK	77067	0.06	77021	449 (9.77)	498 (3.26)	502 (3.93)	487 (5.73)	396 (10.50)
ESP	344372	0.07	344114	466 (5.49)	491 (2.82)	486 (3.60)	456 (5.84)	410 (10.22)
SWE	107104	0.25	106838	505 (4.47)	515 (2.62)	500 (4.02)	472 (11.18)	459 (11.85)
CHE	86491	0.14	86370	510 (3.45)	532 (3.47)	526 (6.61)	495 (15.46)	448 (12.84)
TUR	481279	0.03	481137	406 (6.78)	420 (6.68)	418 (7.31)	409 (9.22)	309 (7.47)
GBR	698579	3.61	673362	519 (4.35)	515 (2.66)	481 (4.84)	448 (11.85)	414 (13.28)
USA	3147089	0.76	3123066	484 (4.77)	482 (3.01)	459 (5.54)	427 (11.07)	375 (14.47)
TOT	.	1.34	.	479 (2.06)	498 (1.18)	495 (1.60)	469 (2.55)	368 (4.36)
AVG	.	1.25	.	489 (1.23)	510 (0.63)	499 (0.94)	473 (1.42)	402 (3.04)
HKG	72484	0.21	72334	554 (6.60)	555 (4.11)	523 (5.86)	494 (12.05)	. (.)
IDN	1971476	0.19	1967646	348 (2.72)	372 (3.68)	380 (9.14)	355 (20.49)	306 (6.13)
LVA	33643	0.22	33570	468 (6.62)	486 (4.31)	486 (4.49)	478 (9.32)	403 (12.95)
LIE	338	.	338	516 (12.43)	536 (6.08)	527 (10.21)	. (.)	. (.)
MAC	6546	.	6546	523 (9.14)	536 (2.96)	530 (6.67)	498 (19.90)	. (.)
RUS	2153373	0.02	2152991	460 (6.81)	482 (4.99)	489 (4.64)	487 (7.62)	387 (8.19)
YUG	68596	0.58	68198	389 (5.20)	431 (3.51)	436 (4.00)	416 (9.80)	340 (5.83)
THA	637076	.	637076	416 (5.50)	426 (2.90)	432 (4.65)	426 (13.25)	385 (13.54)
TUN	150875	0.07	150770	335 (2.72)	353 (2.81)	356 (3.87)	342 (5.47)	303 (6.13)
URY	33775	0.15	33724	377 (7.44)	421 (4.30)	439 (5.03)	413 (14.18)	324 (6.46)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers treat me fairly.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	12.32 (0.39)	72.73 (0.52)	10.76 (0.33)	2.78 (0.17)	1.41 (0.12)
AUT	85931	1.08	85003	21.75 (0.64)	55.00 (0.82)	16.74 (0.65)	5.38 (0.34)	1.13 (0.17)
BEL	111831	1.82	109800	9.35 (0.37)	64.29 (0.60)	18.29 (0.50)	5.36 (0.30)	2.71 (0.20)
CAN	330436	9.70	298375	15.29 (0.42)	67.47 (0.48)	12.38 (0.31)	3.01 (0.18)	1.85 (0.15)
CZE	121183	4.06	116258	8.43 (0.46)	63.79 (0.75)	22.02 (0.65)	3.73 (0.36)	2.04 (0.24)
DNK	51741	0.65	51406	22.55 (0.73)	65.52 (0.78)	7.13 (0.44)	2.18 (0.24)	2.62 (0.31)
FIN	57884	0.07	57845	10.36 (0.45)	70.07 (0.68)	15.85 (0.57)	3.15 (0.24)	0.57 (0.10)
FRA	734579	0.87	728167	9.39 (0.52)	53.86 (0.83)	24.61 (0.72)	8.54 (0.41)	3.61 (0.36)
DEU	884358	5.57	835070	21.57 (0.73)	51.70 (0.84)	18.47 (0.65)	5.86 (0.36)	2.41 (0.29)
GRC	105131	0.13	104991	13.54 (0.65)	56.11 (0.76)	22.73 (0.72)	6.25 (0.55)	1.38 (0.22)
HUN	107044	0.06	106984	9.28 (0.55)	58.15 (0.86)	26.46 (0.85)	5.08 (0.35)	1.04 (0.17)
ISL	3928	0.63	3903	14.10 (0.63)	61.03 (0.84)	18.53 (0.66)	5.13 (0.37)	1.22 (0.19)
IRL	54850	1.05	54274	11.21 (0.54)	69.61 (0.81)	13.65 (0.56)	4.05 (0.38)	1.48 (0.19)
ITA	481521	0.20	480544	8.27 (0.42)	55.03 (0.72)	25.99 (0.56)	8.55 (0.49)	2.16 (0.26)
JPN	1240054	0.10	1238855	7.81 (0.44)	58.60 (0.78)	24.38 (0.66)	8.40 (0.52)	0.82 (0.14)
KOR	533504	0.04	533302	5.01 (0.37)	63.90 (0.61)	24.47 (0.65)	5.22 (0.34)	1.39 (0.16)
LUX	4080	0.10	4076	13.85 (0.55)	51.34 (0.72)	22.33 (0.64)	9.92 (0.48)	2.56 (0.27)
MEX	1071650	0.37	1067674	23.27 (0.64)	54.19 (0.76)	11.12 (0.48)	3.73 (0.30)	7.69 (0.68)
NLD	184943	3.18	179071	7.60 (0.56)	75.36 (0.92)	13.24 (0.66)	2.29 (0.39)	1.51 (0.23)
NZL	48638	1.80	47762	11.83 (0.57)	71.61 (0.79)	12.51 (0.52)	3.00 (0.30)	1.05 (0.15)
NOR	52816	0.77	52407	11.05 (0.55)	60.86 (0.90)	17.99 (0.67)	7.34 (0.51)	2.75 (0.33)
POL	534900	.	534900	7.76 (0.44)	59.67 (0.86)	23.46 (0.79)	7.36 (0.48)	1.75 (0.26)
PRT	96857	0.23	96637	12.83 (0.67)	69.94 (0.71)	13.55 (0.52)	2.18 (0.24)	1.51 (0.25)
SVK	77067	0.06	77021	8.67 (0.52)	66.20 (0.75)	19.45 (0.76)	3.90 (0.27)	1.78 (0.20)
ESP	344372	0.07	344114	10.85 (0.53)	62.66 (0.81)	18.63 (0.63)	5.84 (0.34)	2.02 (0.23)
SWE	107104	0.25	106838	14.32 (0.56)	67.31 (0.61)	12.86 (0.56)	3.47 (0.31)	2.04 (0.21)
CHE	86491	0.14	86370	26.20 (0.89)	52.72 (0.81)	13.69 (0.57)	4.04 (0.26)	3.35 (0.25)
TUR	481279	0.03	481137	17.04 (0.60)	43.76 (1.05)	21.43 (0.78)	9.28 (0.50)	8.49 (0.77)
GBR	698579	3.61	673362	11.13 (0.51)	68.99 (0.74)	14.43 (0.56)	3.87 (0.30)	1.58 (0.16)
USA	3147089	0.76	3123066	16.91 (0.69)	68.85 (0.81)	9.65 (0.36)	2.94 (0.26)	1.64 (0.21)
TOT	.	1.34	.	14.00 (0.22)	61.54 (0.30)	16.70 (0.16)	5.17 (0.12)	2.59 (0.09)
AVG	.	1.26	.	13.11 (0.11)	61.98 (0.15)	17.58 (0.10)	5.07 (0.07)	2.26 (0.04)
HKG	72484	0.21	72334	9.65 (0.58)	65.63 (0.75)	19.21 (0.71)	5.30 (0.38)	0.21 (.)
IDN	1971476	0.19	1967646	27.20 (0.76)	58.99 (0.89)	7.18 (0.52)	1.28 (0.15)	5.35 (0.50)
LVA	33643	0.22	33570	9.29 (0.75)	68.26 (0.96)	18.20 (0.65)	2.84 (0.33)	1.41 (0.21)
LIE	338	.	338	21.73 (2.01)	56.30 (2.64)	16.28 (1.96)	4.78 (.)	0.91 (.)
MAC	6546	.	6546	12.70 (1.07)	59.79 (1.82)	21.12 (1.20)	6.19 (0.87)	0.20 (.)
RUS	2153373	0.02	2152991	14.97 (0.63)	60.39 (0.72)	19.07 (0.65)	3.06 (0.29)	2.50 (0.23)
YUG	68596	0.59	68190	12.73 (0.49)	53.08 (0.83)	23.07 (0.68)	5.16 (0.38)	5.96 (0.54)
THA	637076	.	637076	21.05 (0.97)	69.18 (0.98)	7.73 (0.50)	0.83 (0.14)	1.21 (0.18)
TUN	150875	0.07	150770	33.56 (0.95)	38.32 (0.86)	16.14 (0.57)	7.75 (0.46)	4.24 (0.33)
URY	33775	0.15	33724	12.51 (0.52)	57.74 (1.02)	17.06 (0.58)	4.51 (0.29)	8.17 (0.44)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers treat me fairly.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	550 (4.69)	531 (1.96)	494 (4.62)	453 (9.12)	417 (9.28)
AUT	85931	1.08	85003	492 (5.19)	504 (3.78)	482 (4.48)	441 (7.93)	402 (16.35)
BEL	111831	1.82	109800	493 (7.03)	530 (2.46)	492 (3.91)	438 (7.49)	382 (13.28)
CAN	330436	9.70	298375	544 (2.97)	537 (1.61)	505 (3.22)	478 (6.32)	474 (8.50)
CZE	121183	4.06	116258	479 (5.82)	504 (2.99)	492 (3.55)	468 (6.72)	404 (12.60)
DNK	51741	0.65	51406	506 (4.28)	496 (2.76)	463 (6.94)	453 (10.38)	410 (12.68)
FIN	57884	0.07	57845	555 (4.19)	550 (1.69)	521 (3.37)	499 (8.70)	438 (24.75)
FRA	734579	0.87	728167	505 (5.74)	518 (2.74)	479 (4.01)	446 (5.17)	408 (11.11)
DEU	884358	5.57	835070	497 (5.24)	516 (3.68)	495 (4.49)	452 (7.59)	377 (14.06)
GRC	105131	0.13	104991	459 (5.54)	478 (4.54)	479 (5.26)	444 (8.01)	369 (25.32)
HUN	107044	0.06	106984	467 (7.07)	490 (2.73)	473 (3.31)	481 (6.12)	423 (22.68)
ISL	3928	0.63	3903	511 (4.97)	503 (2.22)	466 (4.26)	430 (9.02)	420 (17.49)
IRL	54850	1.05	54274	530 (5.64)	521 (2.74)	495 (4.59)	478 (7.95)	424 (17.17)
ITA	481521	0.20	480544	458 (6.18)	487 (3.04)	471 (3.47)	467 (7.16)	362 (13.80)
JPN	1240054	0.10	1238855	517 (6.66)	512 (3.86)	481 (4.78)	448 (8.37)	370 (25.29)
KOR	533504	0.04	533302	543 (8.37)	538 (3.26)	532 (3.53)	514 (6.65)	451 (18.94)
LUX	4080	0.10	4076	464 (4.79)	495 (2.30)	478 (3.17)	449 (5.01)	387 (12.52)
MEX	1071650	0.37	1067674	403 (4.77)	413 (4.31)	396 (5.66)	384 (9.75)	308 (6.62)
NLD	184943	3.18	179071	505 (6.53)	525 (2.69)	494 (5.25)	467 (12.06)	470 (12.95)
NZL	48638	1.80	47762	536 (6.34)	532 (2.37)	486 (5.66)	469 (11.05)	410 (24.30)
NOR	52816	0.77	52407	527 (5.50)	514 (2.94)	480 (4.99)	423 (6.45)	426 (15.02)
POL	534900	.	534900	481 (6.35)	504 (3.28)	494 (3.68)	488 (6.74)	376 (14.54)
PRT	96857	0.23	96637	478 (5.48)	484 (3.33)	459 (6.41)	443 (13.73)	384 (18.39)
SVK	77067	0.06	77021	446 (7.54)	478 (2.98)	463 (4.04)	452 (6.89)	359 (14.47)
ESP	344372	0.07	344114	474 (6.21)	492 (2.58)	470 (4.21)	446 (6.67)	371 (10.88)
SWE	107104	0.25	106838	530 (5.02)	523 (2.38)	486 (4.81)	452 (8.88)	427 (14.32)
CHE	86491	0.14	86370	503 (3.16)	511 (4.21)	481 (4.72)	452 (8.46)	411 (11.24)
TUR	481279	0.03	481137	445 (6.09)	460 (6.82)	441 (5.97)	415 (6.95)	364 (6.40)
GBR	698579	3.61	673362	521 (6.07)	515 (2.82)	479 (3.94)	455 (8.32)	407 (11.79)
USA	3147089	0.76	3123066	508 (5.16)	503 (3.13)	468 (5.91)	428 (10.80)	351 (12.94)
TOT	.	1.34	.	488 (2.10)	501 (1.27)	477 (1.44)	447 (2.48)	362 (4.13)
AVG	.	1.26	.	495 (1.04)	507 (0.68)	481 (0.88)	452 (1.43)	387 (2.67)
HKG	72484	0.21	72334	510 (7.02)	516 (3.71)	500 (4.29)	475 (9.29)	. (.)
IDN	1971476	0.19	1967646	368 (3.44)	393 (3.88)	397 (6.01)	377 (10.79)	312 (7.33)
LVA	33643	0.22	33570	490 (7.10)	495 (3.81)	483 (4.63)	462 (9.80)	427 (13.50)
LIE	338	.	338	522 (11.51)	534 (6.04)	508 (15.11)	. (.)	. (.)
MAC	6546	.	6546	491 (7.12)	501 (2.64)	498 (4.60)	481 (10.42)	. (.)
RUS	2153373	0.02	2152991	434 (5.87)	449 (4.26)	439 (5.02)	444 (10.74)	352 (10.33)
YUG	68596	0.59	68190	385 (5.10)	424 (3.80)	421 (3.97)	410 (6.58)	330 (6.12)
THA	637076	.	637076	413 (4.19)	423 (3.14)	421 (6.11)	410 (17.97)	366 (15.05)
TUN	150875	0.07	150770	369 (3.36)	383 (3.49)	386 (5.08)	368 (7.85)	313 (7.26)
URY	33775	0.15	33724	418 (6.94)	453 (3.65)	431 (5.61)	393 (8.45)	350 (6.84)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers treat me fairly.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.32	234828	546	(4.11)	530	(1.96)	496	(4.40)	460	(8.31)	423	(7.47)
AUT	85931	1.08	85003	508	(4.66)	517	(3.42)	495	(4.25)	463	(7.02)	429	(15.78)
BEL	111831	1.82	109800	512	(6.94)	552	(2.32)	513	(3.44)	468	(6.95)	418	(10.09)
CAN	330436	9.70	298375	546	(2.56)	540	(1.71)	515	(3.01)	498	(6.97)	484	(7.03)
CZE	121183	4.06	116258	501	(5.82)	531	(3.53)	519	(3.90)	502	(6.61)	422	(13.18)
DNK	51741	0.65	51406	522	(4.02)	518	(2.79)	496	(6.77)	480	(10.44)	440	(12.20)
FIN	57884	0.07	57845	555	(4.27)	549	(1.89)	524	(3.71)	512	(8.11)	467	(20.67)
FRA	734579	0.87	728167	514	(5.42)	531	(2.70)	497	(3.75)	463	(4.63)	439	(8.89)
DEU	884358	5.57	835070	505	(5.11)	525	(3.51)	503	(4.31)	473	(7.06)	414	(10.66)
GRC	105131	0.13	104991	428	(5.59)	451	(4.22)	450	(4.33)	434	(6.82)	362	(19.33)
HUN	107044	0.06	106984	469	(7.02)	500	(2.97)	479	(3.54)	486	(5.37)	421	(19.72)
ISL	3928	0.63	3903	527	(3.85)	525	(1.94)	493	(3.39)	469	(7.12)	447	(15.41)
IRL	54850	1.05	54274	507	(4.92)	508	(2.53)	487	(4.26)	481	(7.37)	416	(13.87)
ITA	481521	0.20	480544	444	(7.04)	475	(3.13)	460	(3.61)	466	(5.25)	369	(10.28)
JPN	1240054	0.10	1238855	544	(6.95)	547	(4.19)	518	(4.67)	490	(7.29)	446	(22.57)
KOR	533504	0.04	533302	558	(9.70)	547	(3.47)	537	(3.64)	516	(7.04)	469	(12.39)
LUX	4080	0.10	4076	476	(3.96)	505	(1.82)	494	(2.89)	471	(4.87)	430	(9.22)
MEX	1071650	0.37	1067674	385	(4.17)	398	(3.89)	384	(4.57)	371	(8.04)	304	(7.08)
NLD	184943	3.18	179071	526	(8.23)	551	(2.84)	521	(5.18)	488	(12.81)	502	(11.15)
NZL	48638	1.80	47762	533	(5.52)	534	(2.21)	493	(4.85)	477	(8.93)	417	(16.63)
NOR	52816	0.77	52407	514	(4.72)	506	(2.66)	481	(3.70)	439	(5.14)	424	(9.14)
POL	534900	.	534900	475	(5.69)	497	(2.74)	488	(3.46)	488	(5.61)	375	(9.61)
PRT	96857	0.23	96637	460	(5.52)	471	(3.08)	456	(5.20)	466	(15.53)	402	(15.00)
SVK	77067	0.06	77021	466	(7.31)	507	(3.30)	495	(4.08)	486	(7.78)	384	(12.72)
ESP	344372	0.07	344114	472	(4.64)	494	(2.47)	481	(4.11)	460	(5.53)	399	(9.20)
SWE	107104	0.25	106838	523	(4.20)	516	(2.77)	483	(4.64)	458	(6.97)	440	(14.32)
CHE	86491	0.14	86370	524	(3.62)	540	(4.59)	510	(4.09)	490	(9.13)	444	(10.18)
TUR	481279	0.03	481137	427	(7.00)	445	(7.72)	423	(7.03)	397	(8.73)	335	(5.61)
GBR	698579	3.61	673362	518	(5.72)	516	(2.79)	483	(3.85)	467	(7.68)	419	(11.34)
USA	3147089	0.76	3123066	492	(4.97)	489	(2.86)	461	(5.35)	431	(10.15)	384	(10.94)
TOT	.	1.34	.	482	(2.08)	501	(1.17)	483	(1.30)	458	(2.44)	374	(4.16)
AVG	.	1.26	.	496	(1.09)	512	(0.66)	489	(0.86)	466	(1.42)	399	(2.77)
HKG	72484	0.21	72334	548	(8.10)	558	(4.51)	538	(5.37)	518	(10.08)	.	(.)
IDN	1971476	0.19	1967646	343	(3.43)	372	(4.62)	377	(7.46)	357	(9.38)	293	(7.10)
LVA	33643	0.22	33570	478	(7.26)	488	(3.86)	477	(4.04)	464	(8.38)	411	(13.36)
LIE	338	.	338	536	(12.89)	542	(6.32)	516	(15.85)	.	(.)	.	(.)
MAC	6546	.	6546	527	(10.60)	532	(3.88)	522	(6.87)	503	(13.78)	.	(.)
RUS	2153373	0.02	2152991	466	(5.49)	475	(4.41)	461	(4.72)	471	(9.43)	390	(8.70)
YUG	68596	0.59	68190	409	(5.41)	450	(3.78)	446	(4.20)	435	(7.09)	355	(6.20)
THA	637076	.	637076	407	(4.85)	420	(3.05)	422	(6.42)	414	(14.68)	390	(14.21)
TUN	150875	0.07	150770	351	(2.87)	366	(3.47)	372	(3.83)	364	(4.98)	301	(6.49)
URY	33775	0.15	33724	407	(4.85)	438	(3.40)	429	(4.72)	390	(7.48)	337	(5.42)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers treat me fairly.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	551 (4.13)	531 (1.98)	493 (4.83)	461 (8.54)	417 (7.98)
AUT	85931	1.08	85003	496 (4.58)	502 (3.75)	478 (4.21)	444 (6.94)	421 (17.26)
BEL	111831	1.82	109800	499 (6.77)	530 (2.36)	491 (3.57)	445 (6.81)	397 (10.49)
CAN	330436	9.70	298375	538 (3.00)	528 (1.91)	494 (3.55)	473 (7.50)	462 (9.05)
CZE	121183	4.06	116258	511 (6.61)	537 (3.42)	523 (3.96)	505 (8.24)	427 (13.56)
DNK	51741	0.65	51406	485 (4.23)	480 (3.03)	451 (8.57)	442 (12.17)	390 (13.22)
FIN	57884	0.07	57845	561 (4.85)	554 (1.98)	526 (4.05)	509 (8.41)	465 (20.79)
FRA	734579	0.87	728167	518 (6.45)	534 (3.36)	494 (4.43)	455 (5.94)	430 (11.70)
DEU	884358	5.57	835070	506 (5.46)	527 (3.76)	504 (4.85)	465 (8.24)	399 (12.89)
GRC	105131	0.13	104991	471 (5.59)	485 (4.30)	485 (5.10)	466 (8.14)	415 (20.38)
HUN	107044	0.06	106984	491 (7.61)	511 (2.83)	493 (3.65)	507 (6.06)	423 (18.84)
ISL	3928	0.63	3903	509 (4.83)	504 (2.10)	476 (4.04)	444 (7.28)	429 (15.64)
IRL	54850	1.05	54274	514 (6.63)	511 (2.77)	485 (4.78)	482 (8.38)	412 (18.50)
ITA	481521	0.20	480544	465 (7.10)	497 (3.19)	482 (3.68)	486 (7.44)	366 (13.73)
JPN	1240054	0.10	1238855	570 (6.81)	561 (4.18)	528 (5.03)	497 (8.19)	465 (20.96)
KOR	533504	0.04	533302	554 (10.54)	543 (3.74)	533 (4.19)	512 (8.02)	473 (15.22)
LUX	4080	0.10	4076	467 (5.30)	497 (2.20)	482 (3.30)	455 (5.65)	401 (10.76)
MEX	1071650	0.37	1067674	407 (3.90)	415 (3.79)	405 (4.64)	388 (10.25)	333 (6.76)
NLD	184943	3.18	179071	516 (8.62)	537 (3.02)	502 (6.13)	467 (13.44)	481 (12.02)
NZL	48638	1.80	47762	529 (6.08)	531 (2.26)	489 (5.37)	480 (10.23)	413 (18.30)
NOR	52816	0.77	52407	509 (4.98)	496 (3.03)	467 (4.84)	421 (6.89)	415 (11.08)
POL	534900	.	534900	479 (6.91)	504 (3.18)	495 (4.11)	497 (6.67)	393 (12.00)
PRT	96857	0.23	96637	462 (5.39)	473 (3.22)	458 (5.32)	454 (12.70)	386 (18.72)
SVK	77067	0.06	77021	470 (8.43)	504 (3.61)	490 (4.16)	484 (7.59)	370 (20.88)
ESP	344372	0.07	344114	478 (5.76)	497 (2.80)	481 (4.60)	455 (6.70)	385 (11.39)
SWE	107104	0.25	106838	518 (5.70)	514 (2.97)	479 (5.48)	450 (8.65)	432 (14.54)
CHE	86491	0.14	86370	514 (4.10)	526 (5.04)	495 (4.73)	470 (10.36)	427 (10.33)
TUR	481279	0.03	481137	444 (6.10)	453 (7.21)	428 (6.31)	406 (7.86)	364 (6.07)
GBR	698579	3.61	673362	536 (6.29)	527 (3.01)	487 (4.19)	465 (8.66)	418 (12.68)
USA	3147089	0.76	3123066	504 (5.30)	497 (3.03)	468 (5.77)	437 (10.62)	388 (13.71)
TOT	.	1.34	.	493 (2.21)	508 (1.19)	488 (1.41)	462 (2.59)	384 (3.82)
AVG	.	1.26	.	497 (1.15)	511 (0.66)	488 (0.93)	463 (1.45)	398 (2.40)
HKG	72484	0.21	72334	536 (8.07)	546 (4.19)	530 (4.90)	512 (9.74)	. (.)
IDN	1971476	0.19	1967646	383 (2.94)	404 (3.75)	409 (6.49)	391 (12.32)	345 (6.17)
LVA	33643	0.22	33570	491 (7.18)	495 (4.12)	479 (4.66)	462 (8.25)	409 (12.66)
LIE	338	.	338	522 (13.09)	534 (7.68)	503 (15.64)	. (.)	. (.)
MAC	6546	.	6546	523 (8.44)	531 (3.90)	517 (6.39)	499 (13.43)	. (.)
RUS	2153373	0.02	2152991	487 (6.59)	495 (4.63)	483 (5.12)	491 (10.93)	413 (9.17)
YUG	68596	0.59	68190	416 (5.66)	447 (3.71)	442 (4.47)	435 (6.63)	373 (6.30)
THA	637076	.	637076	421 (4.72)	432 (2.93)	435 (5.42)	425 (17.98)	399 (14.01)
TUN	150875	0.07	150770	380 (3.11)	392 (3.21)	393 (3.85)	385 (5.22)	327 (7.41)
URY	33775	0.15	33724	426 (5.63)	455 (3.03)	439 (5.21)	408 (7.32)	359 (5.81)

Student Questionnaire – Question 26

Q26 Thinking about the teachers at your school: To what extent do you agree with the following statements?

Most of my teachers treat me fairly.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	552 (4.28)	535 (1.80)	501 (4.10)	465 (7.67)	422 (7.77)
AUT	85931	1.08	85003	510 (4.54)	516 (3.32)	496 (4.09)	465 (6.69)	422 (16.88)
BEL	111831	1.82	109800	511 (6.15)	546 (2.25)	509 (3.42)	468 (5.75)	413 (10.94)
CAN	330436	9.70	298375	547 (2.60)	539 (1.61)	509 (3.11)	484 (6.68)	477 (7.22)
CZE	121183	4.06	116258	504 (6.00)	531 (3.22)	518 (3.90)	500 (7.45)	423 (14.93)
DNK	51741	0.65	51406	526 (3.84)	521 (2.63)	495 (5.91)	478 (9.53)	442 (11.12)
FIN	57884	0.07	57845	557 (4.33)	553 (1.82)	529 (3.87)	514 (8.87)	471 (20.96)
FRA	734579	0.87	728167	524 (5.73)	540 (2.80)	503 (3.97)	472 (5.06)	449 (9.96)
DEU	884358	5.57	835070	514 (4.98)	533 (3.36)	511 (4.30)	477 (6.60)	421 (11.45)
GRC	105131	0.13	104991	428 (5.41)	454 (4.34)	455 (4.59)	435 (7.95)	371 (21.54)
HUN	107044	0.06	106984	481 (8.16)	510 (3.03)	491 (3.65)	496 (5.34)	454 (20.49)
ISL	3928	0.63	3903	519 (3.82)	514 (1.80)	482 (3.72)	462 (6.03)	426 (17.29)
IRL	54850	1.05	54274	501 (4.69)	504 (2.44)	485 (3.89)	475 (7.23)	411 (15.42)
ITA	481521	0.20	480544	448 (7.05)	481 (3.15)	464 (3.38)	467 (6.22)	358 (13.61)
JPN	1240054	0.10	1238855	560 (7.31)	561 (4.17)	531 (4.71)	499 (7.55)	442 (26.24)
KOR	533504	0.04	533302	560 (9.06)	554 (3.34)	546 (3.42)	527 (6.03)	494 (13.72)
LUX	4080	0.10	4076	479 (4.50)	506 (2.18)	494 (3.10)	467 (4.90)	427 (10.08)
MEX	1071650	0.37	1067674	388 (4.77)	398 (4.66)	382 (5.13)	357 (9.78)	296 (7.78)
NLD	184943	3.18	179071	511 (7.61)	532 (2.90)	497 (5.53)	462 (12.15)	476 (11.87)
NZL	48638	1.80	47762	538 (5.36)	543 (2.20)	502 (4.85)	494 (9.29)	435 (16.60)
NOR	52816	0.77	52407	513 (4.85)	503 (2.78)	472 (4.50)	421 (5.82)	424 (11.30)
POL	534900	.	534900	478 (5.87)	493 (3.05)	485 (3.93)	477 (6.67)	364 (16.63)
PRT	96857	0.23	96637	463 (6.07)	475 (3.52)	458 (5.80)	467 (15.87)	393 (17.73)
SVK	77067	0.06	77021	464 (7.30)	501 (3.36)	486 (4.41)	471 (6.97)	393 (12.53)
ESP	344372	0.07	344114	469 (5.04)	492 (2.65)	476 (4.53)	456 (7.08)	392 (11.01)
SWE	107104	0.25	106838	523 (4.31)	515 (2.71)	484 (4.58)	457 (8.58)	443 (12.76)
CHE	86491	0.14	86370	524 (3.55)	533 (4.28)	504 (3.88)	479 (9.24)	432 (9.18)
TUR	481279	0.03	481137	412 (6.82)	428 (6.81)	407 (6.32)	386 (7.27)	317 (6.92)
GBR	698579	3.61	673362	519 (5.44)	518 (2.80)	485 (3.74)	462 (8.31)	420 (12.85)
USA	3147089	0.76	3123066	489 (5.32)	483 (3.03)	453 (5.40)	419 (10.53)	368 (12.06)
TOT	.	1.34	.	483 (2.17)	501 (1.26)	484 (1.37)	457 (2.63)	367 (4.38)
AVG	.	1.26	.	497 (1.09)	512 (0.67)	489 (0.87)	463 (1.43)	394 (2.88)
HKG	72484	0.21	72334	545 (7.70)	555 (4.23)	537 (4.85)	517 (9.74)	. (.)
IDN	1971476	0.19	1967646	346 (2.74)	372 (3.86)	375 (7.05)	364 (12.49)	303 (5.83)
LVA	33643	0.22	33570	482 (7.92)	487 (3.89)	475 (4.51)	460 (11.06)	394 (13.18)
LIE	338	.	338	535 (12.94)	535 (6.04)	507 (13.90)	. (.)	. (.)
MAC	6546	.	6546	530 (9.19)	538 (3.53)	526 (5.98)	507 (13.78)	. (.)
RUS	2153373	0.02	2152991	471 (6.25)	486 (4.74)	474 (5.76)	483 (8.96)	378 (11.43)
YUG	68596	0.59	68190	395 (5.34)	434 (3.48)	428 (3.93)	413 (7.07)	337 (5.90)
THA	637076	.	637076	416 (4.55)	428 (2.94)	430 (6.21)	426 (14.71)	390 (14.24)
TUN	150875	0.07	150770	339 (2.77)	352 (3.08)	354 (3.69)	340 (4.96)	294 (6.66)
URY	33775	0.15	33724	390 (6.01)	428 (3.96)	420 (5.27)	375 (8.54)	320 (6.54)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like an outsider (or left out of things).

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	1.52 (0.15)	5.90 (0.27)	44.14 (0.49)	45.74 (0.55)	2.69 (0.18)
AUT	85931	1.08	85003	1.50 (0.25)	4.21 (0.38)	18.74 (0.69)	71.10 (0.78)	4.45 (0.37)
BEL	111831	1.82	109800	1.90 (0.17)	5.71 (0.31)	46.04 (0.68)	42.28 (0.65)	4.08 (0.31)
CAN	330436	9.70	298375	2.11 (0.14)	6.36 (0.31)	43.96 (0.53)	45.00 (0.51)	2.56 (0.15)
CZE	121183	4.05	116275	1.69 (0.24)	8.00 (0.50)	51.96 (0.90)	33.05 (0.86)	5.30 (0.42)
DNK	51741	0.65	51406	0.80 (0.13)	4.21 (0.37)	29.19 (0.72)	61.24 (0.76)	4.57 (0.34)
FIN	57884	0.07	57845	0.96 (0.11)	4.54 (0.30)	42.60 (0.70)	50.77 (0.73)	1.13 (0.16)
FRA	734579	0.87	728167	2.61 (0.30)	5.17 (0.31)	41.31 (0.78)	48.06 (0.79)	2.85 (0.32)
DEU	884358	5.57	835070	1.58 (0.19)	4.35 (0.49)	19.16 (0.59)	70.75 (0.75)	4.15 (0.35)
GRC	105131	0.13	104991	1.52 (0.18)	4.68 (0.37)	50.01 (0.87)	40.43 (0.87)	3.36 (0.31)
HUN	107044	0.06	106984	2.09 (0.23)	7.03 (0.42)	50.71 (0.77)	38.53 (0.88)	1.63 (0.20)
ISL	3928	0.63	3903	3.22 (0.29)	6.62 (0.45)	33.20 (0.90)	56.35 (0.91)	0.61 (.)
IRL	54850	1.05	54274	1.45 (0.21)	3.85 (0.31)	41.34 (0.75)	46.80 (0.83)	6.55 (0.47)
ITA	481521	0.21	480508	1.26 (0.16)	3.40 (0.28)	43.90 (0.72)	48.59 (0.62)	2.86 (0.28)
JPN	1240054	0.10	1238855	1.15 (0.14)	4.75 (0.29)	49.71 (0.69)	43.84 (0.80)	0.55 (.)
KOR	533504	.	533504	0.97 (0.13)	7.48 (0.33)	46.62 (0.75)	44.56 (0.78)	0.37 (.)
LUX	4080	0.10	4076	2.42 (0.22)	5.18 (0.35)	24.87 (0.70)	63.84 (0.76)	3.69 (0.30)
MEX	1071650	0.37	1067674	3.10 (0.30)	5.52 (0.45)	41.41 (0.84)	40.18 (1.20)	9.79 (0.69)
NLD	184943	3.28	178873	0.87 (0.14)	2.96 (0.24)	39.56 (1.00)	53.34 (0.89)	3.27 (0.38)
NZL	48638	2.25	47543	1.71 (0.22)	6.06 (0.38)	44.40 (0.80)	46.31 (0.76)	1.52 (0.23)
NOR	52816	0.77	52407	1.43 (0.21)	3.86 (0.32)	33.31 (0.74)	57.46 (0.92)	3.94 (0.37)
POL	534900	.	534900	3.53 (0.34)	4.48 (0.35)	51.70 (0.93)	38.06 (0.95)	2.22 (0.27)
PRT	96857	0.23	96637	1.13 (0.18)	4.77 (0.47)	34.45 (1.10)	55.44 (1.26)	4.20 (0.41)
SVK	77067	0.06	77022	1.83 (0.23)	5.99 (0.36)	54.69 (0.84)	32.55 (0.83)	4.94 (0.40)
ESP	344372	0.07	344114	1.39 (0.19)	2.23 (0.26)	27.78 (0.69)	64.83 (0.81)	3.77 (0.31)
SWE	107104	0.25	106838	0.97 (0.14)	4.21 (0.36)	29.46 (0.66)	63.23 (0.75)	2.13 (0.22)
CHE	86491	0.14	86370	1.89 (0.21)	5.19 (0.27)	24.00 (0.77)	65.08 (0.77)	3.84 (0.30)
TUR	481279	0.03	481137	3.83 (0.33)	8.96 (0.57)	38.69 (1.07)	41.34 (1.29)	7.18 (0.74)
GBR	698579	3.62	673259	1.51 (0.17)	5.27 (0.36)	40.98 (0.85)	48.31 (0.79)	3.93 (0.29)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	1.96 (0.06)	5.21 (0.11)	40.75 (0.21)	48.31 (0.26)	3.76 (0.11)
AVG	.	4.59	.	1.79 (0.04)	5.20 (0.08)	39.24 (0.15)	50.24 (0.16)	3.52 (0.07)
HKG	72484	0.21	72334	2.37 (0.25)	15.26 (0.54)	68.24 (0.70)	13.39 (0.59)	0.75 (0.13)
IDN	1971476	.	1971476	1.15 (0.15)	2.36 (0.23)	47.47 (0.83)	40.32 (0.94)	8.70 (0.63)
LVA	33643	0.23	33566	1.50 (0.18)	3.39 (0.33)	48.31 (1.20)	43.54 (1.31)	3.26 (0.31)
LIE	338	.	338	2.11 (.)	4.29 (.)	21.32 (2.24)	68.34 (2.43)	3.94 (.)
MAC	6546	.	6546	2.53 (.)	12.87 (0.94)	68.12 (1.69)	15.11 (1.36)	1.36 (.)
RUS	2153373	0.02	2152991	2.01 (0.24)	3.65 (0.34)	48.70 (0.95)	36.68 (1.06)	8.96 (0.47)
YUG	68596	0.64	68159	2.91 (0.31)	5.74 (0.45)	45.58 (0.85)	32.85 (0.88)	12.92 (0.67)
THA	637076	.	637076	1.15 (0.17)	5.17 (0.43)	59.84 (0.91)	32.45 (0.98)	1.38 (0.21)
TUN	150875	0.09	150739	3.89 (0.30)	5.46 (0.39)	39.80 (0.87)	43.97 (1.18)	6.88 (0.45)
URY	33775	0.17	33718	1.91 (0.24)	4.68 (0.31)	37.81 (0.77)	43.74 (0.80)	11.87 (0.66)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel like an outsider (or left out of things).

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	478 (9.56)	504 (5.76)	526 (2.47)	535 (2.31)	436 (7.61)
AUT	85931	1.08	85003	453 (19.45)	475 (8.46)	493 (4.27)	499 (3.98)	439 (9.51)
BEL	111831	1.82	109800	451 (14.20)	487 (8.31)	512 (3.06)	524 (2.65)	402 (14.66)
CAN	330436	9.70	298375	495 (9.00)	520 (4.22)	537 (1.88)	532 (1.90)	481 (7.45)
CZE	121183	4.05	116275	446 (10.16)	469 (5.77)	493 (3.14)	520 (3.27)	429 (8.05)
DNK	51741	0.65	51406	456 (16.63)	492 (8.63)	492 (3.67)	498 (2.92)	432 (11.09)
FIN	57884	0.07	57845	523 (15.06)	545 (7.02)	544 (2.24)	544 (2.04)	498 (16.10)
FRA	734579	0.87	728167	459 (11.53)	490 (8.63)	502 (2.94)	502 (3.03)	398 (13.17)
DEU	884358	5.57	835070	452 (13.31)	498 (8.20)	516 (4.25)	503 (3.65)	409 (11.00)
GRC	105131	0.13	104991	419 (14.87)	446 (10.16)	469 (4.02)	488 (4.41)	404 (14.63)
HUN	107044	0.06	106984	430 (15.64)	466 (5.72)	473 (3.07)	502 (2.79)	418 (13.73)
ISL	3928	0.63	3903	447 (11.35)	481 (9.53)	495 (3.38)	496 (2.02)	. (.)
IRL	54850	1.05	54274	480 (12.39)	514 (9.03)	519 (3.08)	522 (2.74)	452 (7.09)
ITA	481521	0.21	480508	442 (15.72)	461 (9.94)	479 (3.01)	481 (3.35)	373 (12.46)
JPN	1240054	0.10	1238855	465 (13.93)	484 (7.62)	498 (4.40)	503 (4.05)	. (.)
KOR	533504	.	533504	522 (13.69)	543 (5.17)	536 (3.57)	532 (3.23)	. (.)
LUX	4080	0.10	4076	441 (13.25)	451 (7.31)	482 (3.14)	487 (1.77)	395 (9.93)
MEX	1071650	0.37	1067674	361 (15.66)	359 (8.98)	399 (3.82)	430 (4.22)	317 (6.10)
NLD	184943	3.28	178873	490 (18.62)	501 (10.71)	514 (3.07)	523 (3.51)	497 (11.41)
NZL	48638	2.25	47543	463 (14.45)	483 (8.51)	524 (2.80)	534 (2.85)	418 (16.16)
NOR	52816	0.77	52407	461 (15.23)	475 (10.79)	497 (3.55)	509 (2.90)	437 (10.02)
POL	534900	.	534900	471 (9.74)	489 (9.26)	495 (2.95)	508 (3.49)	395 (14.34)
PRT	96857	0.23	96637	397 (11.39)	389 (10.35)	466 (4.08)	500 (3.21)	408 (10.82)
SVK	77067	0.06	77022	409 (10.24)	436 (6.45)	465 (3.50)	497 (3.38)	390 (11.30)
ESP	344372	0.07	344114	423 (18.06)	435 (11.09)	483 (3.38)	487 (2.63)	404 (8.58)
SWE	107104	0.25	106838	510 (19.48)	521 (8.56)	522 (3.63)	513 (2.72)	452 (16.19)
CHE	86491	0.14	86370	425 (12.47)	472 (12.92)	500 (4.12)	507 (3.21)	432 (11.51)
TUR	481279	0.03	481137	401 (7.38)	403 (7.35)	443 (6.30)	466 (6.03)	351 (6.72)
GBR	698579	3.62	673259	462 (13.47)	506 (7.02)	509 (3.44)	512 (2.79)	429 (6.83)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	436 (3.65)	468 (2.80)	488 (1.30)	498 (1.08)	376 (3.76)
AVG	.	4.59	.	445 (2.64)	474 (1.84)	495 (0.76)	505 (0.67)	407 (2.54)
HKG	72484	0.21	72334	482 (11.89)	496 (4.68)	513 (3.61)	520 (6.41)	425 (26.14)
IDN	1971476	.	1971476	354 (11.65)	350 (9.01)	384 (3.35)	394 (3.72)	326 (5.86)
LVA	33643	0.23	33566	467 (14.63)	463 (14.77)	482 (3.94)	506 (4.23)	441 (8.40)
LIE	338	.	338	. (.)	. (.)	516 (10.36)	535 (4.68)	. (.)
MAC	6546	.	6546	. (.)	506 (7.32)	497 (2.22)	500 (7.06)	. (.)
RUS	2153373	0.02	2152991	424 (9.59)	413 (8.43)	436 (4.10)	468 (4.09)	388 (6.93)
YUG	68596	0.64	68159	383 (7.66)	396 (7.07)	419 (3.56)	428 (4.38)	360 (5.18)
THA	637076	.	637076	378 (13.31)	401 (6.45)	419 (2.91)	429 (3.68)	362 (16.88)
TUN	150875	0.09	150739	347 (9.59)	343 (6.61)	378 (3.79)	386 (2.96)	326 (8.11)
URY	33775	0.17	33718	398 (15.71)	422 (10.57)	440 (4.55)	449 (4.20)	372 (6.92)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel like an outsider (or left out of things).

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	479 (11.61)	508 (4.74)	527 (2.35)	531 (2.46)	443 (5.95)
AUT	85931	1.08	85003	466 (14.79)	499 (7.52)	514 (4.14)	510 (3.55)	452 (8.52)
BEL	111831	1.82	109800	488 (12.41)	509 (8.47)	537 (2.86)	543 (2.39)	429 (12.51)
CAN	330436	9.70	298375	509 (7.38)	527 (4.45)	542 (1.92)	535 (1.89)	488 (6.90)
CZE	121183	4.05	116275	479 (11.82)	499 (5.49)	520 (3.42)	547 (4.02)	446 (7.70)
DNK	51741	0.65	51406	477 (16.32)	519 (7.51)	516 (3.53)	519 (3.09)	449 (10.25)
FIN	57884	0.07	57845	522 (14.69)	542 (7.14)	545 (2.18)	546 (2.18)	481 (14.23)
FRA	734579	0.87	728167	477 (10.08)	507 (7.27)	517 (2.65)	515 (3.09)	429 (10.82)
DEU	884358	5.57	835070	476 (13.88)	516 (9.05)	530 (4.29)	512 (3.57)	427 (8.30)
GRC	105131	0.13	104991	429 (12.54)	423 (9.63)	441 (4.04)	459 (3.97)	373 (9.98)
HUN	107044	0.06	106984	446 (13.31)	475 (5.91)	482 (3.32)	509 (3.20)	420 (14.41)
ISL	3928	0.63	3903	478 (9.66)	510 (7.51)	518 (2.49)	518 (1.97)	. (.)
IRL	54850	1.05	54274	484 (12.91)	508 (9.61)	508 (2.81)	507 (2.57)	443 (5.86)
ITA	481521	0.21	480508	450 (15.96)	450 (8.40)	469 (3.13)	468 (3.45)	386 (8.83)
JPN	1240054	0.10	1238855	502 (14.29)	521 (8.26)	534 (4.23)	538 (4.16)	. (.)
KOR	533504	.	533504	511 (14.35)	547 (5.86)	545 (3.45)	541 (3.73)	. (.)
LUX	4080	0.10	4076	465 (10.62)	465 (6.51)	498 (2.86)	499 (1.56)	427 (7.96)
MEX	1071650	0.37	1067674	353 (11.81)	355 (7.19)	386 (3.50)	411 (3.79)	307 (5.06)
NLD	184943	3.28	178873	523 (17.68)	528 (11.25)	539 (3.30)	548 (3.50)	523 (10.98)
NZL	48638	2.25	47543	471 (11.87)	492 (7.50)	531 (2.65)	530 (2.69)	438 (15.11)
NOR	52816	0.77	52407	472 (11.80)	480 (8.66)	496 (3.13)	502 (2.63)	422 (7.24)
POL	534900	.	534900	471 (8.02)	485 (8.78)	488 (2.62)	501 (3.25)	393 (11.26)
PRT	96857	0.23	96637	416 (14.43)	392 (8.50)	455 (3.51)	485 (3.05)	403 (9.40)
SVK	77067	0.06	77022	437 (11.14)	465 (6.89)	496 (3.42)	525 (3.35)	408 (11.19)
ESP	344372	0.07	344114	433 (13.88)	452 (9.70)	487 (3.23)	491 (2.49)	413 (6.31)
SWE	107104	0.25	106838	484 (14.74)	505 (7.52)	517 (3.40)	508 (2.99)	459 (15.23)
CHE	86491	0.14	86370	462 (10.92)	502 (12.71)	530 (4.60)	534 (3.41)	451 (10.69)
TUR	481279	0.03	481137	374 (8.66)	381 (6.92)	427 (7.32)	451 (7.29)	321 (7.23)
GBR	698579	3.62	673259	477 (12.54)	508 (6.66)	510 (3.30)	513 (2.65)	430 (6.53)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	443 (3.76)	476 (2.63)	495 (1.32)	502 (1.11)	378 (3.76)
AVG	.	4.59	.	457 (2.71)	483 (1.74)	503 (0.74)	510 (0.68)	413 (2.41)
HKG	72484	0.21	72334	525 (14.38)	534 (5.59)	553 (4.59)	565 (7.82)	479 (20.02)
IDN	1971476	.	1971476	336 (13.27)	333 (9.89)	362 (3.91)	373 (4.18)	302 (4.76)
LVA	33643	0.23	33566	463 (13.71)	458 (13.80)	474 (3.41)	500 (4.37)	435 (9.31)
LIE	338	.	338	. (.)	. (.)	535 (10.73)	544 (5.46)	. (.)
MAC	6546	.	6546	. (.)	536 (8.37)	527 (3.24)	532 (9.35)	. (.)
RUS	2153373	0.02	2152991	447 (11.07)	430 (8.52)	460 (4.26)	496 (4.68)	418 (6.05)
YUG	68596	0.64	68159	407 (7.40)	420 (5.93)	444 (3.86)	455 (4.16)	383 (5.21)
THA	637076	.	637076	384 (12.59)	396 (7.05)	417 (3.07)	423 (4.09)	376 (13.92)
TUN	150875	0.09	150739	337 (7.40)	333 (5.97)	361 (3.60)	368 (2.78)	316 (4.42)
URY	33775	0.17	33718	387 (11.92)	414 (7.76)	426 (3.48)	439 (4.58)	358 (5.36)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel like an outsider (or left out of things).

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	487 (10.06)	505 (6.49)	527 (2.58)	533 (2.38)	442 (6.68)
AUT	85931	1.08	85003	464 (17.01)	481 (8.10)	494 (4.36)	497 (3.78)	440 (9.40)
BEL	111831	1.82	109800	469 (13.52)	491 (7.97)	514 (2.95)	523 (2.52)	408 (12.84)
CAN	330436	9.70	298375	490 (8.46)	513 (5.34)	530 (2.37)	521 (2.08)	471 (8.06)
CZE	121183	4.05	116275	485 (10.56)	504 (6.01)	525 (3.29)	553 (3.95)	452 (8.64)
DNK	51741	0.65	51406	440 (23.30)	484 (9.28)	476 (3.98)	481 (3.36)	408 (11.35)
FIN	57884	0.07	57845	520 (18.32)	548 (7.53)	550 (2.39)	549 (2.30)	489 (16.27)
FRA	734579	0.87	728167	473 (14.12)	505 (9.56)	516 (3.25)	517 (3.52)	424 (14.33)
DEU	884358	5.57	835070	483 (14.12)	522 (9.60)	532 (4.59)	511 (3.78)	423 (10.80)
GRC	105131	0.13	104991	462 (16.98)	459 (10.29)	478 (4.28)	494 (3.86)	422 (11.30)
HUN	107044	0.06	106984	466 (13.71)	490 (6.69)	496 (3.34)	521 (3.03)	437 (14.84)
ISL	3928	0.63	3903	467 (8.99)	486 (9.09)	497 (2.90)	498 (1.97)	. (.)
IRL	54850	1.05	54274	479 (13.95)	510 (10.13)	510 (3.08)	510 (3.00)	440 (6.96)
ITA	481521	0.21	480508	475 (16.54)	472 (11.06)	489 (3.14)	491 (3.53)	399 (11.75)
JPN	1240054	0.10	1238855	533 (14.27)	534 (8.30)	547 (4.53)	552 (4.33)	. (.)
KOR	533504	.	533504	517 (17.96)	546 (6.49)	541 (3.85)	536 (4.09)	. (.)
LUX	4080	0.10	4076	455 (12.53)	458 (8.20)	488 (3.11)	488 (2.09)	411 (9.59)
MEX	1071650	0.37	1067674	376 (12.26)	381 (8.37)	405 (3.16)	427 (3.61)	338 (5.90)
NLD	184943	3.28	178873	504 (22.46)	514 (12.26)	524 (3.64)	534 (3.89)	510 (12.74)
NZL	48638	2.25	47543	473 (12.24)	483 (8.09)	527 (2.77)	529 (3.01)	434 (15.05)
NOR	52816	0.77	52407	460 (15.27)	466 (10.08)	484 (3.66)	491 (3.10)	416 (8.43)
POL	534900	.	534900	482 (9.81)	494 (9.90)	495 (3.08)	509 (3.46)	406 (13.98)
PRT	96857	0.23	96637	408 (10.05)	394 (8.94)	458 (4.03)	487 (3.07)	398 (12.04)
SVK	77067	0.06	77022	435 (11.04)	457 (11.66)	491 (3.77)	523 (3.60)	420 (12.09)
ESP	344372	0.07	344114	436 (15.76)	447 (11.97)	489 (3.37)	493 (2.75)	412 (7.15)
SWE	107104	0.25	106838	498 (17.71)	504 (9.09)	515 (4.10)	504 (3.13)	456 (18.03)
CHE	86491	0.14	86370	440 (14.19)	491 (15.10)	517 (4.47)	520 (3.73)	437 (11.57)
TUR	481279	0.03	481137	391 (7.59)	398 (6.99)	435 (6.34)	459 (6.44)	354 (5.89)
GBR	698579	3.62	673259	481 (13.81)	521 (7.93)	520 (3.38)	525 (2.99)	432 (8.05)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	453 (3.65)	483 (2.78)	502 (1.24)	507 (1.10)	391 (3.64)
AVG	.	4.59	.	460 (2.77)	484 (1.82)	503 (0.70)	508 (0.68)	415 (2.27)
HKG	72484	0.21	72334	516 (13.64)	525 (5.25)	542 (4.31)	551 (7.17)	480 (20.54)
IDN	1971476	.	1971476	384 (11.82)	369 (8.07)	396 (3.36)	405 (3.52)	354 (4.93)
LVA	33643	0.23	33566	472 (12.68)	471 (13.43)	482 (3.82)	503 (4.32)	439 (9.66)
LIE	338	.	338	. (.)	. (.)	523 (11.48)	533 (5.61)	. (.)
MAC	6546	.	6546	. (.)	529 (8.98)	525 (3.60)	528 (10.18)	. (.)
RUS	2153373	0.02	2152991	469 (11.93)	461 (10.28)	481 (4.43)	517 (4.76)	438 (6.42)
YUG	68596	0.64	68159	407 (8.08)	422 (6.51)	440 (3.60)	454 (4.42)	394 (4.95)
THA	637076	.	637076	400 (13.22)	412 (6.75)	428 (2.77)	437 (3.58)	386 (14.51)
TUN	150875	0.09	150739	366 (8.44)	360 (6.20)	386 (3.89)	394 (2.89)	349 (6.15)
URY	33775	0.17	33718	417 (14.19)	430 (9.26)	443 (3.73)	453 (4.02)	376 (6.09)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel like an outsider (or left out of things).

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	484 (10.60)	509 (5.73)	531 (2.17)	538 (2.10)	453 (7.28)
AUT	85931	1.08	85003	471 (15.04)	501 (7.53)	512 (4.15)	511 (3.48)	455 (8.24)
BEL	111831	1.82	109800	491 (12.11)	509 (7.20)	532 (2.69)	538 (2.44)	431 (11.26)
CAN	330436	9.70	298375	505 (7.90)	527 (4.32)	540 (1.90)	532 (1.91)	487 (7.51)
CZE	121183	4.05	116275	478 (10.80)	501 (5.55)	521 (3.30)	544 (3.73)	451 (8.28)
DNK	51741	0.65	51406	486 (17.88)	521 (7.16)	520 (3.39)	521 (2.72)	451 (10.30)
FIN	57884	0.07	57845	536 (13.63)	552 (6.49)	551 (2.09)	546 (2.22)	485 (13.96)
FRA	734579	0.87	728167	480 (11.28)	515 (7.68)	525 (2.80)	524 (3.31)	439 (11.55)
DEU	884358	5.57	835070	487 (13.72)	523 (7.83)	537 (4.01)	519 (3.55)	436 (8.33)
GRC	105131	0.13	104991	435 (19.01)	435 (10.09)	448 (4.27)	458 (4.19)	372 (10.38)
HUN	107044	0.06	106984	456 (14.98)	488 (5.71)	492 (3.30)	521 (3.29)	442 (13.64)
ISL	3928	0.63	3903	474 (10.14)	504 (7.30)	507 (2.40)	507 (1.93)	. (.)
IRL	54850	1.05	54274	478 (11.59)	508 (8.80)	504 (2.87)	501 (2.53)	438 (5.61)
ITA	481521	0.21	480508	445 (19.23)	462 (8.51)	473 (3.04)	474 (3.34)	370 (11.47)
JPN	1240054	0.10	1238855	526 (13.37)	536 (8.40)	549 (4.40)	549 (4.46)	. (.)
KOR	533504	.	533504	527 (13.29)	558 (5.61)	553 (3.33)	548 (3.51)	. (.)
LUX	4080	0.10	4076	468 (10.78)	470 (7.19)	501 (2.86)	497 (1.66)	427 (8.31)
MEX	1071650	0.37	1067674	350 (16.05)	351 (8.06)	384 (4.14)	413 (4.72)	300 (6.05)
NLD	184943	3.28	178873	503 (19.02)	507 (11.40)	520 (3.40)	528 (3.63)	499 (11.29)
NZL	48638	2.25	47543	491 (12.48)	507 (7.81)	540 (2.57)	537 (2.55)	447 (13.71)
NOR	52816	0.77	52407	457 (13.36)	477 (10.97)	491 (3.72)	496 (2.77)	419 (7.28)
POL	534900	.	534900	465 (8.18)	480 (8.31)	485 (2.81)	498 (3.19)	383 (15.60)
PRT	96857	0.23	96637	409 (14.62)	392 (9.26)	461 (3.97)	489 (3.41)	400 (9.88)
SVK	77067	0.06	77022	427 (11.68)	460 (6.92)	489 (3.44)	519 (3.53)	408 (9.95)
ESP	344372	0.07	344114	437 (16.30)	448 (10.49)	486 (3.58)	487 (2.72)	408 (8.64)
SWE	107104	0.25	106838	494 (20.08)	516 (6.98)	518 (3.31)	506 (2.76)	461 (14.30)
CHE	86491	0.14	86370	456 (11.21)	499 (11.23)	523 (3.67)	529 (3.33)	450 (11.00)
TUR	481279	0.03	481137	364 (8.84)	372 (7.80)	411 (6.37)	434 (6.16)	304 (7.56)
GBR	698579	3.62	673259	475 (12.51)	507 (6.86)	513 (3.20)	514 (2.56)	435 (6.75)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	444 (4.31)	478 (3.00)	498 (1.45)	505 (1.15)	375 (3.95)
AVG	.	4.59	.	457 (2.75)	486 (1.83)	503 (0.76)	510 (0.67)	411 (2.54)
HKG	72484	0.21	72334	524 (13.49)	532 (5.54)	550 (4.14)	562 (7.15)	473 (23.68)
IDN	1971476	.	1971476	343 (13.37)	340 (8.91)	364 (3.38)	371 (3.70)	312 (4.35)
LVA	33643	0.23	33566	459 (13.67)	458 (16.18)	474 (4.07)	499 (4.36)	423 (9.64)
LIE	338	.	338	. (.)	. (.)	528 (10.10)	536 (5.61)	. (.)
MAC	6546	.	6546	. (.)	540 (8.31)	531 (3.08)	537 (8.88)	. (.)
RUS	2153373	0.02	2152991	455 (12.82)	440 (8.60)	472 (4.42)	507 (4.87)	419 (7.59)
YUG	68596	0.64	68159	396 (8.24)	409 (6.40)	427 (3.42)	437 (3.83)	367 (5.43)
THA	637076	.	637076	387 (17.25)	406 (7.06)	425 (2.68)	431 (4.05)	376 (16.14)
TUN	150875	0.09	150739	322 (7.76)	315 (5.69)	347 (3.00)	354 (2.66)	307 (5.15)
URY	33775	0.17	33718	373 (13.40)	400 (10.03)	416 (4.43)	427 (4.58)	341 (5.91)

Student Questionnaire – Question 27

Q27 My school is a place where:

I make friends easily.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	24.23	(0.46)	66.07	(0.45)	7.59	(0.27)	0.91	(0.13)	1.20	(0.13)
AUT	85931	1.08	85003	42.35	(1.07)	46.38	(0.95)	7.93	(0.47)	1.88	(0.22)	1.47	(0.24)
BEL	111831	1.82	109800	22.84	(0.52)	64.83	(0.60)	9.21	(0.41)	1.30	(0.13)	1.82	(0.21)
CAN	330436	9.70	298375	27.71	(0.51)	60.91	(0.51)	8.58	(0.31)	1.35	(0.11)	1.45	(0.13)
CZE	121183	4.05	116275	19.70	(0.65)	68.42	(0.75)	9.63	(0.52)	1.10	(0.16)	1.15	(0.15)
DNK	51741	0.65	51406	25.68	(0.74)	59.92	(0.86)	10.05	(0.49)	1.50	(0.19)	2.85	(0.28)
FIN	57884	0.07	57845	18.36	(0.58)	68.91	(0.67)	10.86	(0.42)	1.48	(0.19)	0.38	(.)
FRA	734579	0.87	728167	31.27	(0.71)	59.01	(0.72)	6.45	(0.35)	1.55	(0.19)	1.71	(0.23)
DEU	884358	5.57	835070	32.74	(0.76)	51.54	(0.80)	10.44	(0.47)	2.79	(0.31)	2.50	(0.27)
GRC	105131	0.13	104991	26.27	(0.72)	62.90	(0.81)	8.18	(0.35)	1.08	(0.17)	1.57	(0.22)
HUN	107044	0.06	106984	30.13	(0.72)	57.46	(0.74)	9.85	(0.41)	1.67	(0.20)	0.89	(0.17)
ISL	3928	0.63	3903	26.95	(0.72)	57.33	(0.73)	11.92	(0.56)	3.04	(0.25)	0.77	(.)
IRL	54850	1.05	54274	24.43	(0.72)	65.20	(0.81)	7.55	(0.49)	0.79	(.)	2.02	(0.26)
ITA	481521	0.21	480508	27.57	(0.78)	63.66	(0.83)	6.82	(0.38)	1.00	(0.12)	0.96	(0.16)
JPN	1240054	0.10	1238855	22.42	(0.65)	54.06	(0.69)	19.57	(0.62)	3.38	(0.29)	0.58	(.)
KOR	533504	.	533504	17.99	(0.62)	60.49	(0.80)	19.84	(0.73)	1.34	(0.17)	0.35	(.)
LUX	4080	0.10	4076	34.50	(0.78)	53.08	(0.70)	8.53	(0.47)	2.14	(0.22)	1.74	(0.22)
MEX	1071650	0.37	1067674	27.55	(0.70)	53.72	(0.61)	9.17	(0.44)	2.38	(0.26)	7.19	(0.64)
NLD	184943	3.12	179168	17.11	(0.77)	73.22	(0.91)	7.73	(0.53)	0.58	(.)	1.35	(0.20)
NZL	48638	1.48	47920	23.78	(0.57)	66.41	(0.70)	8.11	(0.45)	1.03	(0.15)	0.67	(.)
NOR	52816	0.77	52407	29.90	(0.75)	57.96	(0.67)	8.10	(0.45)	1.61	(0.18)	2.43	(0.29)
POL	534900	.	534900	22.18	(0.76)	64.94	(0.74)	9.55	(0.43)	2.21	(0.26)	1.12	(0.18)
PRT	96857	0.23	96637	28.34	(0.76)	64.01	(0.74)	5.68	(0.48)	0.99	(0.16)	0.99	(0.19)
SVK	77067	0.06	77022	25.29	(0.58)	64.56	(0.54)	6.95	(0.34)	1.16	(0.15)	2.04	(0.20)
ESP	344372	0.07	344114	29.31	(0.73)	60.29	(0.79)	7.30	(0.35)	1.44	(0.19)	1.65	(0.20)
SWE	107104	0.25	106838	28.65	(0.75)	58.13	(0.82)	9.59	(0.51)	1.80	(0.19)	1.83	(0.20)
CHE	86491	0.14	86370	35.10	(0.77)	51.02	(0.83)	8.40	(0.41)	2.99	(0.22)	2.49	(0.20)
TUR	481279	0.03	481137	33.92	(0.94)	50.91	(0.89)	9.65	(0.47)	2.13	(0.26)	3.39	(0.36)
GBR	698579	3.62	673259	24.93	(0.61)	65.23	(0.81)	7.51	(0.46)	0.88	(0.15)	1.44	(0.16)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
TOT	.	27.20	.	26.62	(0.20)	58.55	(0.21)	10.73	(0.15)	1.95	(0.07)	2.15	(0.09)
AVG	.	4.55	.	26.95	(0.14)	60.35	(0.14)	9.34	(0.09)	1.64	(0.04)	1.72	(0.04)
HKG	72484	0.21	72334	16.53	(0.62)	70.98	(0.77)	10.94	(0.52)	1.37	(0.19)	0.18	(.)
IDN	1971476	.	1971476	31.50	(0.72)	63.73	(0.73)	1.77	(0.18)	0.47	(0.12)	2.53	(0.29)
LVA	33643	0.23	33566	15.23	(0.54)	72.41	(0.78)	9.57	(0.50)	1.09	(0.21)	1.70	(0.23)
LIE	338	.	338	33.18	(2.86)	51.06	(2.97)	11.23	(1.76)	2.12	(.)	2.41	(.)
MAC	6546	.	6546	19.72	(1.32)	63.74	(1.62)	14.22	(1.08)	2.18	(.)	0.14	(.)
RUS	2153373	0.02	2152991	21.52	(0.70)	62.27	(0.85)	10.83	(0.47)	0.98	(0.12)	4.40	(0.35)
YUG	68596	0.55	68217	33.28	(0.74)	54.78	(0.85)	5.32	(0.39)	0.89	(0.15)	5.74	(0.45)
THA	637076	.	637076	28.09	(1.01)	65.92	(0.91)	3.97	(0.26)	1.28	(0.19)	0.74	(0.15)
TUN	150875	0.09	150739	41.92	(0.81)	42.54	(0.80)	8.36	(0.43)	2.89	(0.26)	4.29	(0.33)
URY	33775	0.17	33718	31.98	(0.73)	53.51	(0.93)	8.10	(0.44)	1.49	(0.18)	4.92	(0.41)

Student Questionnaire – Question 27

Q27 My school is a place where:

I make friends easily.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	519 (2.54)	530 (2.14)	534 (5.12)	489 (12.14)	433 (10.66)
AUT	85931	1.08	85003	484 (4.46)	506 (3.43)	493 (8.49)	438 (13.43)	438 (17.28)
BEL	111831	1.82	109800	495 (4.04)	519 (2.89)	524 (5.08)	463 (16.66)	363 (20.34)
CAN	330436	9.70	298375	522 (2.61)	536 (1.71)	539 (3.73)	518 (8.64)	489 (10.25)
CZE	121183	4.05	116275	490 (3.97)	498 (2.74)	503 (6.46)	469 (15.35)	413 (14.93)
DNK	51741	0.65	51406	487 (3.83)	496 (2.76)	506 (5.92)	482 (14.54)	430 (13.56)
FIN	57884	0.07	57845	533 (3.39)	544 (1.58)	558 (4.92)	547 (11.00)	. (.)
FRA	734579	0.87	728167	483 (3.43)	506 (3.09)	513 (6.23)	493 (14.22)	391 (16.71)
DEU	884358	5.57	835070	494 (4.52)	512 (3.51)	512 (6.03)	441 (12.17)	385 (12.41)
GRC	105131	0.13	104991	471 (5.45)	476 (4.14)	471 (7.16)	460 (18.87)	373 (21.20)
HUN	107044	0.06	106984	477 (3.72)	482 (3.07)	501 (5.24)	494 (13.51)	430 (22.16)
ISL	3928	0.63	3903	487 (3.43)	494 (2.52)	506 (6.15)	489 (11.61)	. (.)
IRL	54850	1.05	54274	501 (3.95)	520 (2.72)	537 (5.62)	. (.)	461 (13.60)
ITA	481521	0.21	480508	459 (4.01)	483 (3.03)	497 (5.39)	477 (20.40)	358 (20.09)
JPN	1240054	0.10	1238855	492 (4.87)	501 (4.20)	507 (5.73)	482 (8.94)	. (.)
KOR	533504	.	533504	530 (4.38)	534 (3.17)	544 (3.68)	510 (11.43)	. (.)
LUX	4080	0.10	4076	463 (3.17)	492 (1.98)	491 (4.99)	457 (13.12)	387 (16.48)
MEX	1071650	0.37	1067674	413 (4.68)	408 (3.99)	384 (6.81)	389 (9.95)	316 (6.66)
NLD	184943	3.12	179168	504 (4.83)	520 (2.72)	525 (6.29)	. (.)	477 (12.51)
NZL	48638	1.48	47920	511 (3.91)	528 (2.60)	533 (6.00)	495 (16.44)	. (.)
NOR	52816	0.77	52407	494 (3.71)	506 (3.08)	513 (6.25)	452 (16.14)	432 (17.07)
POL	534900	.	534900	495 (3.84)	497 (3.05)	509 (4.93)	494 (11.98)	385 (22.77)
PRT	96857	0.23	96637	469 (4.09)	482 (4.15)	487 (6.74)	449 (13.71)	411 (20.98)
SVK	77067	0.06	77022	462 (4.73)	474 (3.18)	479 (7.39)	454 (14.78)	372 (11.50)
ESP	344372	0.07	344114	466 (3.58)	489 (2.56)	493 (6.33)	443 (16.54)	395 (15.47)
SWE	107104	0.25	106838	502 (3.16)	520 (2.83)	532 (5.13)	498 (13.57)	469 (15.79)
CHE	86491	0.14	86370	496 (4.01)	508 (3.34)	493 (6.39)	455 (9.05)	438 (12.40)
TUR	481279	0.03	481137	446 (6.20)	446 (6.23)	434 (7.91)	423 (12.59)	345 (8.18)
GBR	698579	3.62	673259	497 (3.69)	509 (2.68)	533 (6.76)	495 (16.74)	438 (12.70)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	478 (1.33)	493 (1.03)	498 (2.24)	461 (3.85)	361 (4.68)
AVG	.	4.55	.	485 (0.80)	501 (0.65)	507 (1.05)	471 (2.57)	396 (3.42)
HKG	72484	0.21	72334	503 (5.22)	512 (3.88)	508 (5.35)	485 (13.40)	. (.)
IDN	1971476	.	1971476	381 (3.35)	385 (3.55)	391 (10.89)	365 (27.77)	308 (12.27)
LVA	33643	0.23	33566	487 (6.36)	492 (3.79)	492 (7.21)	506 (20.98)	446 (12.72)
LIE	338	.	338	508 (8.46)	539 (6.40)	524 (15.60)	. (.)	. (.)
MAC	6546	.	6546	494 (5.48)	498 (2.42)	503 (7.30)	. (.)	. (.)
RUS	2153373	0.02	2152991	438 (4.94)	447 (3.90)	450 (6.46)	434 (16.64)	382 (9.48)
YUG	68596	0.55	68217	403 (4.03)	422 (3.80)	432 (5.87)	391 (13.49)	353 (6.17)
THA	637076	.	637076	431 (3.32)	417 (3.01)	405 (6.45)	418 (10.85)	361 (18.81)
TUN	150875	0.09	150739	373 (3.23)	381 (3.59)	382 (6.74)	372 (9.27)	315 (8.56)
URY	33775	0.17	33718	423 (4.34)	446 (3.81)	448 (7.04)	429 (16.98)	361 (9.08)

Student Questionnaire – Question 27

Q27 My school is a place where:
I make friends easily.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	514 (2.57)	529 (2.21)	537 (5.04)	483 (18.09)	446 (9.48)
AUT	85931	1.08	85003	496 (4.00)	520 (3.01)	514 (7.55)	468 (11.60)	454 (14.08)
BEL	111831	1.82	109800	511 (3.66)	543 (2.67)	546 (4.68)	489 (13.32)	404 (17.50)
CAN	330436	9.70	298375	525 (2.41)	541 (1.77)	547 (3.63)	531 (8.90)	491 (8.41)
CZE	121183	4.05	116275	512 (4.15)	526 (3.20)	532 (6.25)	504 (13.54)	435 (15.00)
DNK	51741	0.65	51406	505 (4.10)	519 (2.99)	531 (6.20)	500 (14.42)	452 (12.30)
FIN	57884	0.07	57845	529 (3.70)	547 (1.73)	556 (4.95)	543 (11.16)	. (.)
FRA	734579	0.87	728167	495 (3.20)	522 (2.74)	523 (5.45)	505 (12.08)	432 (12.87)
DEU	884358	5.57	835070	499 (4.49)	524 (3.37)	525 (5.82)	466 (12.57)	406 (10.82)
GRC	105131	0.13	104991	440 (5.33)	449 (3.67)	445 (6.49)	449 (14.45)	354 (14.07)
HUN	107044	0.06	106984	482 (3.12)	491 (3.49)	510 (5.18)	496 (12.75)	428 (21.11)
ISL	3928	0.63	3903	507 (2.67)	518 (1.80)	529 (5.00)	507 (10.20)	. (.)
IRL	54850	1.05	54274	485 (3.67)	508 (2.48)	528 (6.23)	. (.)	458 (10.50)
ITA	481521	0.21	480508	448 (4.46)	472 (3.20)	488 (5.37)	471 (16.59)	396 (13.67)
JPN	1240054	0.10	1238855	527 (4.77)	537 (4.29)	543 (5.54)	519 (8.82)	. (.)
KOR	533504	.	533504	537 (4.87)	542 (3.51)	553 (3.90)	507 (11.83)	. (.)
LUX	4080	0.10	4076	478 (2.39)	504 (1.78)	501 (4.83)	476 (10.93)	444 (11.99)
MEX	1071650	0.37	1067674	395 (4.24)	394 (3.62)	373 (5.26)	373 (9.19)	304 (6.63)
NLD	184943	3.12	179168	525 (5.07)	546 (2.89)	553 (7.11)	. (.)	515 (11.57)
NZL	48638	1.48	47920	508 (3.59)	531 (2.43)	540 (5.02)	500 (16.60)	. (.)
NOR	52816	0.77	52407	484 (3.09)	503 (2.75)	512 (5.19)	468 (12.42)	425 (13.89)
POL	534900	.	534900	485 (3.90)	492 (2.56)	502 (5.15)	496 (10.49)	390 (17.14)
PRT	96857	0.23	96637	458 (3.70)	471 (3.68)	468 (7.33)	448 (13.94)	421 (23.47)
SVK	77067	0.06	77022	484 (4.65)	505 (3.10)	514 (7.23)	487 (11.22)	399 (11.40)
ESP	344372	0.07	344114	471 (3.36)	493 (2.44)	497 (5.05)	442 (12.38)	426 (11.45)
SWE	107104	0.25	106838	499 (3.53)	515 (2.93)	521 (5.21)	479 (11.85)	480 (14.31)
CHE	86491	0.14	86370	521 (3.57)	537 (3.71)	518 (6.87)	486 (10.28)	460 (11.09)
TUR	481279	0.03	481137	423 (7.21)	431 (7.30)	423 (8.40)	406 (12.58)	322 (9.29)
GBR	698579	3.62	673259	498 (3.51)	510 (2.70)	536 (6.54)	501 (15.19)	442 (12.31)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	481 (1.40)	499 (1.11)	509 (2.11)	473 (3.76)	367 (5.04)
AVG	.	4.55	.	488 (0.87)	508 (0.62)	516 (1.10)	482 (2.40)	408 (3.38)
HKG	72484	0.21	72334	544 (6.71)	554 (4.67)	545 (6.21)	519 (15.01)	. (.)
IDN	1971476	.	1971476	356 (3.62)	365 (4.28)	376 (11.99)	349 (19.82)	291 (7.81)
LVA	33643	0.23	33566	477 (6.24)	485 (3.53)	488 (7.26)	499 (15.56)	438 (16.08)
LIE	338	.	338	520 (9.93)	548 (6.35)	528 (17.07)	. (.)	. (.)
MAC	6546	.	6546	530 (5.56)	526 (3.64)	533 (8.25)	. (.)	. (.)
RUS	2153373	0.02	2152991	464 (4.92)	472 (4.10)	477 (6.48)	459 (12.70)	413 (7.21)
YUG	68596	0.55	68217	428 (4.20)	448 (3.98)	455 (5.89)	409 (13.41)	376 (6.14)
THA	637076	.	637076	424 (3.68)	415 (3.16)	407 (7.24)	411 (11.19)	371 (19.97)
TUN	150875	0.09	150739	358 (2.72)	364 (3.38)	361 (4.99)	354 (7.57)	312 (5.50)
URY	33775	0.17	33718	410 (3.99)	435 (3.32)	433 (5.95)	423 (15.22)	349 (7.54)

Student Questionnaire – Question 27

Q27 My school is a place where:

I make friends easily.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	515 (2.77)	530 (2.14)	540 (5.85)	493 (13.44)	446 (10.22)
AUT	85931	1.08	85003	482 (4.19)	505 (3.12)	498 (7.96)	447 (10.56)	436 (15.33)
BEL	111831	1.82	109800	492 (3.74)	521 (2.74)	526 (5.07)	472 (14.14)	380 (18.65)
CAN	330436	9.70	298375	508 (2.81)	529 (1.92)	537 (3.98)	517 (10.71)	477 (9.73)
CZE	121183	4.05	116275	518 (4.93)	531 (3.09)	539 (6.61)	521 (16.40)	442 (15.60)
DNK	51741	0.65	51406	468 (4.16)	479 (3.24)	496 (6.33)	472 (15.23)	403 (12.70)
FIN	57884	0.07	57845	536 (3.72)	549 (1.89)	563 (5.41)	552 (11.50)	. (.)
FRA	734579	0.87	728167	496 (3.88)	522 (3.40)	526 (7.29)	516 (16.39)	427 (16.46)
DEU	884358	5.57	835070	499 (4.77)	523 (3.59)	532 (6.29)	458 (13.58)	400 (12.40)
GRC	105131	0.13	104991	479 (5.71)	484 (3.66)	483 (7.44)	479 (16.87)	402 (16.94)
HUN	107044	0.06	106984	495 (3.58)	504 (3.27)	526 (5.42)	522 (15.06)	457 (22.54)
ISL	3928	0.63	3903	488 (2.93)	497 (1.97)	509 (6.11)	500 (11.81)	. (.)
IRL	54850	1.05	54274	486 (3.98)	510 (2.68)	535 (6.34)	. (.)	452 (13.17)
ITA	481521	0.21	480508	469 (4.43)	493 (3.36)	509 (5.89)	502 (19.95)	408 (17.40)
JPN	1240054	0.10	1238855	539 (5.06)	550 (4.33)	559 (6.11)	538 (9.37)	. (.)
KOR	533504	.	533504	533 (5.28)	538 (3.76)	549 (4.26)	505 (14.49)	. (.)
LUX	4080	0.10	4076	465 (2.97)	494 (2.31)	497 (6.31)	472 (13.26)	422 (15.27)
MEX	1071650	0.37	1067674	415 (4.20)	411 (3.39)	393 (5.79)	401 (10.49)	337 (9.16)
NLD	184943	3.12	179168	510 (5.43)	531 (3.11)	542 (8.12)	. (.)	497 (14.84)
NZL	48638	1.48	47920	505 (4.09)	527 (2.60)	542 (5.89)	502 (15.76)	. (.)
NOR	52816	0.77	52407	474 (3.72)	491 (3.17)	507 (6.23)	450 (15.77)	417 (16.30)
POL	534900	.	534900	493 (4.39)	499 (2.96)	510 (5.68)	502 (12.15)	403 (19.74)
PRT	96857	0.23	96637	459 (3.96)	473 (3.87)	475 (7.61)	437 (14.52)	404 (23.30)
SVK	77067	0.06	77022	485 (4.71)	501 (3.47)	504 (9.55)	487 (15.48)	403 (14.54)
ESP	344372	0.07	344114	474 (3.89)	496 (2.61)	494 (6.39)	453 (16.40)	406 (13.34)
SWE	107104	0.25	106838	491 (3.68)	512 (3.21)	526 (5.82)	487 (14.44)	471 (17.14)
CHE	86491	0.14	86370	507 (3.92)	524 (3.79)	505 (7.91)	465 (12.07)	442 (11.93)
TUR	481279	0.03	481137	437 (6.48)	440 (6.39)	430 (7.85)	418 (12.09)	345 (8.08)
GBR	698579	3.62	673259	507 (4.18)	521 (2.77)	551 (7.18)	512 (16.18)	445 (13.14)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	487 (1.36)	505 (1.05)	518 (2.18)	484 (4.63)	381 (5.30)
AVG	.	4.55	.	488 (0.82)	507 (0.64)	517 (1.11)	484 (3.13)	408 (3.38)
HKG	72484	0.21	72334	534 (6.27)	542 (4.40)	537 (6.39)	510 (13.43)	. (.)
IDN	1971476	.	1971476	394 (3.22)	397 (3.50)	403 (10.00)	376 (16.79)	342 (11.10)
LVA	33643	0.23	33566	482 (6.32)	491 (3.83)	496 (6.94)	515 (23.05)	433 (15.09)
LIE	338	.	338	504 (9.75)	541 (8.77)	527 (16.64)	. (.)	. (.)
MAC	6546	.	6546	522 (6.20)	525 (3.95)	532 (8.92)	. (.)	. (.)
RUS	2153373	0.02	2152991	485 (5.10)	493 (4.20)	500 (6.60)	482 (11.71)	433 (8.01)
YUG	68596	0.55	68217	429 (4.06)	445 (3.82)	454 (5.96)	417 (13.00)	393 (6.37)
THA	637076	.	637076	438 (3.21)	427 (2.87)	415 (6.57)	423 (10.95)	382 (20.72)
TUN	150875	0.09	150739	384 (2.81)	388 (3.34)	391 (5.54)	382 (9.95)	345 (8.53)
URY	33775	0.17	33718	424 (3.99)	450 (3.02)	462 (6.12)	441 (14.87)	369 (6.99)

Student Questionnaire – Question 27

Q27 My school is a place where:

I make friends easily.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	521 (2.36)	534 (2.04)	541 (4.99)	487 (16.10)	457 (8.98)
AUT	85931	1.08	85003	497 (3.91)	520 (2.82)	515 (7.37)	472 (11.27)	451 (14.39)
BEL	111831	1.82	109800	507 (3.50)	537 (2.55)	543 (4.52)	493 (13.84)	409 (13.79)
CAN	330436	9.70	298375	520 (2.71)	539 (1.75)	545 (3.56)	528 (7.84)	493 (9.00)
CZE	121183	4.05	116275	514 (3.85)	525 (3.06)	533 (6.54)	507 (12.59)	430 (15.18)
DNK	51741	0.65	51406	508 (3.65)	521 (2.69)	534 (6.15)	507 (13.80)	448 (11.56)
FIN	57884	0.07	57845	531 (3.49)	550 (1.81)	564 (4.26)	556 (12.03)	. (.)
FRA	734579	0.87	728167	504 (3.44)	530 (2.95)	534 (6.25)	507 (12.65)	445 (13.35)
DEU	884358	5.57	835070	508 (4.17)	530 (3.27)	533 (5.52)	469 (11.88)	421 (11.38)
GRC	105131	0.13	104991	440 (5.01)	453 (3.94)	454 (7.12)	460 (17.79)	365 (16.50)
HUN	107044	0.06	106984	492 (3.53)	502 (3.46)	522 (5.25)	509 (13.58)	458 (21.52)
ISL	3928	0.63	3903	498 (2.73)	507 (1.85)	520 (4.94)	506 (8.93)	. (.)
IRL	54850	1.05	54274	479 (3.45)	504 (2.48)	525 (5.85)	. (.)	453 (10.24)
ITA	481521	0.21	480508	451 (4.29)	477 (3.28)	495 (5.38)	478 (18.60)	369 (19.46)
JPN	1240054	0.10	1238855	536 (5.37)	549 (4.52)	561 (5.50)	539 (9.98)	. (.)
KOR	533504	.	533504	542 (4.39)	550 (3.23)	562 (4.00)	524 (10.96)	. (.)
LUX	4080	0.10	4076	476 (2.80)	506 (1.90)	507 (4.93)	477 (11.85)	433 (12.69)
MEX	1071650	0.37	1067674	397 (4.77)	392 (4.28)	371 (6.77)	374 (10.75)	299 (6.66)
NLD	184943	3.12	179168	504 (5.28)	527 (2.96)	533 (6.96)	. (.)	488 (13.94)
NZL	48638	1.48	47920	515 (3.30)	540 (2.30)	550 (4.93)	511 (15.21)	. (.)
NOR	52816	0.77	52407	477 (3.33)	498 (3.14)	508 (5.73)	461 (14.10)	424 (13.62)
POL	534900	.	534900	484 (4.19)	488 (2.76)	500 (4.69)	485 (11.36)	364 (25.59)
PRT	96857	0.23	96637	459 (4.17)	475 (4.17)	479 (7.97)	457 (15.45)	411 (24.69)
SVK	77067	0.06	77022	479 (4.97)	498 (3.13)	506 (7.11)	482 (11.83)	398 (9.47)
ESP	344372	0.07	344114	466 (3.53)	491 (2.73)	498 (5.56)	448 (14.19)	418 (13.67)
SWE	107104	0.25	106838	495 (3.45)	514 (3.00)	525 (5.16)	492 (13.35)	478 (13.77)
CHE	86491	0.14	86370	517 (3.75)	531 (3.30)	513 (5.50)	483 (9.98)	453 (11.36)
TUR	481279	0.03	481137	410 (6.58)	414 (6.43)	404 (7.80)	392 (12.35)	303 (9.55)
GBR	698579	3.62	673259	498 (3.78)	513 (2.51)	535 (6.32)	501 (14.47)	443 (13.67)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	483 (1.42)	502 (1.20)	515 (2.32)	478 (4.50)	364 (4.92)
AVG	.	4.55	.	488 (0.86)	508 (0.65)	518 (1.22)	485 (2.50)	404 (3.29)
HKG	72484	0.21	72334	542 (6.12)	551 (4.42)	543 (5.98)	518 (15.09)	. (.)
IDN	1971476	.	1971476	359 (3.44)	365 (3.60)	378 (9.40)	341 (24.17)	302 (8.15)
LVA	33643	0.23	33566	476 (6.92)	484 (3.73)	489 (7.13)	499 (21.01)	420 (16.54)
LIE	338	.	338	512 (8.78)	543 (6.97)	522 (16.79)	. (.)	. (.)
MAC	6546	.	6546	533 (5.71)	530 (3.14)	543 (9.53)	. (.)	. (.)
RUS	2153373	0.02	2152991	475 (5.53)	483 (4.44)	489 (6.98)	465 (15.33)	408 (8.38)
YUG	68596	0.55	68217	410 (3.83)	431 (3.50)	440 (6.21)	402 (16.12)	364 (7.59)
THA	637076	.	637076	434 (3.56)	423 (3.15)	416 (6.71)	415 (12.10)	362 (20.44)
TUN	150875	0.09	150739	344 (2.48)	350 (2.82)	348 (4.55)	336 (6.86)	305 (6.73)
URY	33775	0.17	33718	399 (4.40)	424 (3.95)	421 (8.40)	405 (15.44)	329 (7.98)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like I belong.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	19.51	(0.56)	66.85	(0.58)	9.69	(0.32)	2.14	(0.21)	1.81	(0.14)
AUT	85931	1.08	85003	42.97	(0.90)	43.51	(0.85)	8.53	(0.52)	2.47	(0.26)	2.52	(0.29)
BEL	111831	1.82	109800	8.70	(0.39)	45.37	(0.70)	30.79	(0.60)	12.23	(0.52)	2.90	(0.31)
CAN	330436	9.70	298375	19.82	(0.37)	59.52	(0.56)	14.82	(0.45)	3.60	(0.21)	2.24	(0.15)
CZE	121183	4.05	116275	12.09	(0.50)	63.93	(0.77)	19.24	(0.56)	2.92	(0.30)	1.83	(0.19)
DNK	51741	0.65	51406	15.01	(0.78)	51.88	(0.95)	22.22	(0.70)	7.14	(0.46)	3.75	(0.35)
FIN	57884	0.07	57845	20.65	(0.67)	67.55	(0.73)	9.71	(0.43)	1.50	(0.16)	0.59	(0.10)
FRA	734579	0.87	728167	9.26	(0.44)	34.63	(0.90)	37.43	(0.87)	16.11	(0.71)	2.56	(0.27)
DEU	884358	5.57	835070	38.34	(0.73)	45.98	(0.79)	9.63	(0.50)	2.76	(0.24)	3.29	(0.34)
GRC	105131	0.13	104991	27.14	(0.71)	62.15	(0.73)	7.97	(0.48)	1.01	(0.14)	1.73	(0.25)
HUN	107044	0.06	106984	27.05	(0.71)	62.32	(0.73)	7.66	(0.46)	1.43	(0.21)	1.54	(0.19)
ISL	3928	0.63	3903	33.59	(0.80)	54.05	(0.85)	8.64	(0.46)	2.65	(0.24)	1.07	(0.17)
IRL	54850	1.05	54274	18.73	(0.71)	64.85	(0.83)	9.53	(0.53)	1.98	(0.26)	4.91	(0.45)
ITA	481521	0.21	480508	17.07	(0.58)	66.09	(0.69)	12.01	(0.51)	2.18	(0.22)	2.64	(0.28)
JPN	1240054	0.10	1238855	17.07	(0.56)	62.63	(0.70)	15.89	(0.64)	3.73	(0.27)	0.67	(0.13)
KOR	533504	.	533504	11.52	(0.52)	63.71	(0.75)	21.10	(0.68)	2.95	(0.25)	0.72	(0.12)
LUX	4080	0.10	4076	24.10	(0.71)	44.93	(0.68)	17.59	(0.62)	8.27	(0.46)	5.12	(0.40)
MEX	1071650	0.37	1067674	35.48	(0.82)	51.55	(0.65)	5.67	(0.38)	1.90	(0.24)	5.41	(0.37)
NLD	184943	3.21	179009	11.27	(0.67)	64.64	(1.06)	18.24	(0.81)	4.21	(0.38)	1.63	(0.22)
NZL	48638	1.93	47697	18.00	(0.60)	66.75	(0.75)	11.66	(0.54)	2.25	(0.26)	1.35	(0.17)
NOR	52816	0.77	52407	25.34	(0.80)	57.49	(0.89)	10.92	(0.56)	3.43	(0.28)	2.82	(0.31)
POL	534900	.	534900	14.59	(0.57)	60.60	(0.75)	18.76	(0.63)	4.44	(0.30)	1.60	(0.23)
PRT	96857	0.23	96637	25.88	(0.84)	65.30	(0.82)	5.42	(0.43)	1.19	(0.19)	2.21	(0.27)
SVK	77067	0.06	77022	15.86	(0.47)	66.70	(0.68)	12.40	(0.46)	1.94	(0.20)	3.10	(0.25)
ESP	344372	0.07	344114	28.66	(0.76)	54.13	(0.76)	10.81	(0.47)	3.81	(0.29)	2.58	(0.24)
SWE	107104	0.25	106838	23.68	(0.77)	55.37	(0.83)	13.89	(0.54)	4.69	(0.34)	2.36	(0.25)
CHE	86491	0.14	86370	36.02	(1.28)	43.52	(0.85)	12.77	(0.91)	5.01	(0.63)	2.68	(0.27)
TUR	481279	0.03	481137	18.83	(0.68)	50.09	(1.03)	17.89	(0.65)	5.13	(0.37)	8.06	(0.86)
GBR	698579	3.62	673259	18.83	(0.55)	63.25	(0.74)	12.35	(0.51)	2.64	(0.21)	2.94	(0.26)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
TOT	.	27.20	.	21.68	(0.21)	55.95	(0.23)	15.27	(0.17)	4.30	(0.10)	2.80	(0.09)
AVG	.	4.57	.	21.91	(0.14)	57.22	(0.14)	14.24	(0.09)	3.99	(0.06)	2.64	(0.06)
HKG	72484	0.21	72334	8.96	(0.56)	58.96	(0.87)	26.78	(0.83)	4.95	(0.33)	0.36	(.)
IDN	1971476	.	1971476	13.27	(0.75)	49.33	(1.08)	24.24	(1.06)	5.17	(0.37)	7.99	(0.55)
LVA	33643	0.22	33570	16.80	(0.71)	73.89	(0.86)	6.87	(0.44)	1.00	(0.13)	1.44	(0.21)
LIE	338	.	338	40.95	(2.36)	47.83	(2.79)	6.07	(.)	2.72	(.)	2.43	(.)
MAC	6546	.	6546	8.37	(0.83)	55.98	(1.83)	29.80	(1.56)	4.79	(0.70)	1.06	(.)
RUS	2153373	0.02	2152991	24.80	(0.77)	63.28	(0.87)	6.35	(0.45)	1.19	(0.21)	4.39	(0.40)
YUG	68596	0.60	68185	23.08	(0.78)	57.62	(0.91)	8.81	(0.49)	1.82	(0.21)	8.68	(0.53)
THA	637076	.	637076	27.42	(0.99)	67.06	(0.96)	4.09	(0.37)	0.46	(.)	0.98	(0.15)
TUN	150875	0.09	150739	22.46	(0.77)	32.47	(0.79)	29.45	(0.76)	10.23	(0.58)	5.39	(0.31)
URY	33775	0.17	33718	33.01	(0.74)	53.48	(0.78)	5.38	(0.33)	1.30	(0.19)	6.83	(0.48)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like I belong.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.88)	529 (2.22)	516 (3.74)	495 (13.98)	435 (8.54)
AUT	85931	1.08	85003	497 (4.39)	499 (3.21)	483 (7.50)	441 (11.74)	418 (13.92)
BEL	111831	1.82	109800	498 (6.03)	532 (2.82)	510 (3.20)	467 (7.91)	396 (17.84)
CAN	330436	9.70	298375	530 (2.59)	537 (1.75)	524 (2.96)	491 (6.29)	493 (8.15)
CZE	121183	4.05	116275	496 (4.97)	501 (2.76)	491 (4.13)	460 (8.20)	427 (14.01)
DNK	51741	0.65	51406	501 (5.10)	502 (2.89)	488 (4.26)	459 (5.68)	432 (11.07)
FIN	57884	0.07	57845	538 (3.19)	545 (1.64)	549 (4.22)	538 (11.49)	492 (24.87)
FRA	734579	0.87	728167	494 (4.98)	514 (3.63)	499 (3.38)	474 (4.67)	410 (14.02)
DEU	884358	5.57	835070	504 (4.64)	509 (3.53)	499 (5.63)	456 (10.64)	408 (12.67)
GRC	105131	0.13	104991	473 (5.04)	476 (4.04)	463 (8.46)	449 (17.55)	375 (20.23)
HUN	107044	0.06	106984	491 (3.55)	481 (2.74)	470 (5.54)	456 (12.72)	432 (13.87)
ISL	3928	0.63	3903	493 (2.86)	493 (2.49)	498 (6.17)	473 (12.71)	416 (23.30)
IRL	54850	1.05	54274	513 (4.25)	521 (2.85)	519 (6.14)	489 (11.46)	455 (7.76)
ITA	481521	0.21	480508	473 (5.00)	481 (2.85)	477 (5.74)	456 (12.87)	365 (13.33)
JPN	1240054	0.10	1238855	501 (5.72)	504 (3.97)	485 (5.33)	471 (8.88)	334 (29.06)
KOR	533504	.	533504	555 (6.28)	544 (2.67)	504 (4.36)	495 (8.63)	382 (28.61)
LUX	4080	0.10	4076	491 (3.38)	498 (2.17)	464 (3.80)	428 (6.38)	398 (7.70)
MEX	1071650	0.37	1067674	400 (4.79)	408 (3.90)	410 (8.21)	378 (15.78)	317 (7.50)
NLD	184943	3.21	179009	518 (6.47)	527 (2.78)	498 (4.47)	468 (6.41)	486 (9.76)
NZL	48638	1.93	47697	524 (4.67)	530 (2.56)	507 (6.43)	480 (14.31)	440 (15.61)
NOR	52816	0.77	52407	508 (4.42)	505 (3.03)	493 (5.06)	446 (10.47)	434 (13.11)
POL	534900	.	534900	501 (4.94)	501 (2.93)	489 (4.45)	493 (8.77)	382 (15.81)
PRT	96857	0.23	96637	489 (4.37)	480 (3.84)	444 (8.88)	428 (13.04)	404 (13.85)
SVK	77067	0.06	77022	462 (5.89)	474 (3.15)	470 (4.22)	455 (10.41)	404 (11.20)
ESP	344372	0.07	344114	483 (3.69)	489 (2.95)	469 (5.01)	433 (8.43)	391 (9.49)
SWE	107104	0.25	106838	513 (3.99)	517 (2.63)	521 (5.03)	503 (7.81)	457 (13.95)
CHE	86491	0.14	86370	507 (3.72)	503 (2.88)	494 (5.90)	468 (12.56)	427 (12.97)
TUR	481279	0.03	481137	449 (6.62)	451 (5.98)	445 (7.92)	426 (10.77)	359 (5.42)
GBR	698579	3.62	673259	513 (4.58)	510 (2.80)	504 (4.28)	472 (8.95)	435 (9.95)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	481 (1.75)	495 (1.01)	488 (1.55)	464 (2.42)	380 (3.31)
AVG	.	4.57	.	495 (0.92)	503 (0.65)	492 (0.97)	464 (1.74)	406 (2.22)
HKG	72484	0.21	72334	525 (4.76)	517 (4.03)	495 (4.08)	477 (8.30)	. (.)
IDN	1971476	.	1971476	391 (5.29)	396 (3.96)	370 (3.71)	366 (5.64)	321 (6.67)
LVA	33643	0.22	33570	503 (5.74)	490 (3.73)	481 (6.97)	493 (13.52)	411 (16.55)
LIE	338	.	338	524 (7.13)	536 (6.30)	. (.)	. (.)	. (.)
MAC	6546	.	6546	501 (9.22)	501 (3.09)	494 (4.12)	474 (10.40)	. (.)
RUS	2153373	0.02	2152991	449 (4.75)	445 (4.09)	434 (5.76)	434 (15.12)	378 (10.17)
YUG	68596	0.60	68185	411 (4.25)	423 (3.83)	418 (5.06)	397 (10.18)	343 (5.31)
THA	637076	.	637076	430 (3.63)	418 (2.83)	405 (7.59)	. (.)	370 (20.02)
TUN	150875	0.09	150739	366 (3.69)	381 (3.46)	384 (4.36)	376 (6.53)	319 (9.03)
URY	33775	0.17	33718	434 (4.34)	442 (4.18)	440 (8.17)	420 (20.38)	367 (7.16)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like I belong.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.95)	528 (2.18)	520 (3.85)	497 (19.37)	442 (7.21)
AUT	85931	1.08	85003	507 (4.10)	514 (3.21)	503 (6.25)	469 (8.30)	447 (10.60)
BEL	111831	1.82	109800	515 (5.85)	553 (2.54)	533 (3.01)	496 (7.05)	428 (14.06)
CAN	330436	9.70	298375	531 (2.30)	541 (1.88)	534 (2.99)	504 (5.62)	497 (7.26)
CZE	121183	4.05	116275	518 (5.75)	528 (3.30)	516 (4.26)	497 (9.00)	449 (14.14)
DNK	51741	0.65	51406	518 (4.90)	523 (3.10)	513 (4.02)	486 (5.56)	446 (10.27)
FIN	57884	0.07	57845	538 (3.57)	547 (1.77)	548 (4.44)	526 (13.40)	485 (23.36)
FRA	734579	0.87	728167	506 (4.43)	528 (3.46)	512 (2.87)	492 (4.42)	440 (11.75)
DEU	884358	5.57	835070	507 (4.52)	521 (3.41)	515 (5.19)	479 (9.44)	428 (10.31)
GRC	105131	0.13	104991	440 (4.54)	450 (3.79)	443 (8.50)	426 (16.62)	365 (15.38)
HUN	107044	0.06	106984	498 (3.63)	490 (3.11)	479 (5.77)	454 (10.80)	432 (12.64)
ISL	3928	0.63	3903	513 (2.60)	519 (1.93)	519 (5.91)	495 (9.85)	457 (20.23)
IRL	54850	1.05	54274	497 (3.90)	508 (2.62)	507 (5.39)	482 (11.63)	447 (6.61)
ITA	481521	0.21	480508	459 (4.77)	470 (3.11)	470 (4.43)	451 (10.65)	387 (8.89)
JPN	1240054	0.10	1238855	535 (5.48)	541 (4.12)	521 (4.65)	504 (9.44)	403 (26.08)
KOR	533504	.	533504	565 (7.36)	552 (3.13)	510 (3.99)	503 (8.97)	416 (15.85)
LUX	4080	0.10	4076	504 (3.25)	510 (1.93)	479 (3.31)	448 (5.15)	420 (6.11)
MEX	1071650	0.37	1067674	384 (4.17)	394 (3.72)	395 (7.09)	362 (12.86)	312 (6.28)
NLD	184943	3.21	179009	540 (6.69)	553 (2.97)	525 (4.99)	489 (7.61)	514 (11.15)
NZL	48638	1.93	47697	518 (4.41)	532 (2.36)	514 (4.92)	490 (12.63)	452 (14.40)
NOR	52816	0.77	52407	496 (3.78)	502 (2.54)	488 (5.02)	465 (8.98)	426 (10.36)
POL	534900	.	534900	492 (4.09)	494 (2.70)	485 (3.75)	490 (7.52)	390 (12.56)
PRT	96857	0.23	96637	477 (3.60)	468 (3.64)	430 (7.93)	421 (14.95)	404 (11.86)
SVK	77067	0.06	77022	485 (6.10)	504 (3.17)	502 (4.32)	492 (7.94)	427 (11.61)
ESP	344372	0.07	344114	485 (3.52)	493 (2.43)	477 (4.38)	448 (8.36)	407 (9.53)
SWE	107104	0.25	106838	508 (4.30)	514 (2.92)	510 (4.21)	487 (6.45)	464 (13.25)
CHE	86491	0.14	86370	530 (4.19)	533 (3.34)	520 (5.40)	504 (8.54)	448 (12.49)
TUR	481279	0.03	481137	427 (7.70)	435 (7.14)	434 (9.31)	409 (8.90)	330 (5.18)
GBR	698579	3.62	673259	513 (4.46)	511 (2.87)	504 (3.76)	485 (8.39)	440 (9.21)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	481 (1.79)	501 (1.13)	499 (1.33)	477 (2.24)	386 (2.98)
AVG	.	4.57	.	497 (1.02)	509 (0.63)	502 (0.89)	479 (1.59)	414 (2.10)
HKG	72484	0.21	72334	571 (6.37)	560 (5.03)	531 (4.73)	516 (8.86)	. (.)
IDN	1971476	.	1971476	367 (5.62)	377 (4.71)	347 (4.28)	345 (5.00)	298 (5.28)
LVA	33643	0.22	33570	492 (5.59)	484 (3.68)	476 (7.08)	480 (13.13)	419 (16.25)
LIE	338	.	338	532 (8.01)	548 (6.52)	. (.)	. (.)	. (.)
MAC	6546	.	6546	528 (11.13)	532 (4.20)	523 (5.65)	507 (14.27)	. (.)
RUS	2153373	0.02	2152991	476 (4.83)	471 (4.27)	457 (6.85)	457 (15.73)	409 (6.99)
YUG	68596	0.60	68185	435 (4.80)	448 (3.86)	438 (5.77)	427 (10.09)	370 (5.37)
THA	637076	.	637076	423 (3.83)	416 (3.00)	403 (8.14)	. (.)	395 (18.28)
TUN	150875	0.09	150739	351 (3.27)	365 (2.71)	366 (4.14)	362 (5.64)	312 (5.53)
URY	33775	0.17	33718	424 (4.41)	431 (3.57)	420 (7.25)	408 (13.50)	352 (6.01)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like I belong.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.68)	528 (2.28)	518 (4.10)	505 (13.50)	445 (7.74)
AUT	85931	1.08	85003	495 (4.25)	498 (3.19)	485 (7.60)	448 (9.55)	425 (12.79)
BEL	111831	1.82	109800	494 (5.74)	530 (2.66)	513 (3.33)	476 (7.22)	406 (15.18)
CAN	330436	9.70	298375	517 (2.65)	529 (2.08)	518 (3.57)	485 (6.75)	483 (8.71)
CZE	121183	4.05	116275	525 (6.13)	534 (3.14)	524 (4.25)	496 (9.38)	457 (15.31)
DNK	51741	0.65	51406	481 (5.32)	485 (3.51)	473 (4.59)	446 (6.56)	401 (11.55)
FIN	57884	0.07	57845	544 (3.69)	550 (1.87)	552 (5.06)	538 (14.49)	488 (23.29)
FRA	734579	0.87	728167	512 (5.58)	530 (4.25)	512 (4.01)	488 (5.02)	434 (14.55)
DEU	884358	5.57	835070	508 (4.76)	521 (3.83)	518 (5.51)	477 (11.74)	421 (12.59)
GRC	105131	0.13	104991	479 (4.69)	485 (3.82)	478 (8.94)	455 (16.05)	400 (16.41)
HUN	107044	0.06	106984	510 (3.88)	503 (2.95)	495 (6.15)	480 (13.14)	455 (13.64)
ISL	3928	0.63	3903	493 (2.68)	497 (2.02)	500 (6.17)	487 (11.22)	441 (20.10)
IRL	54850	1.05	54274	500 (4.27)	510 (2.97)	513 (5.88)	485 (11.59)	445 (7.85)
ITA	481521	0.21	480508	480 (5.30)	491 (3.15)	493 (5.44)	474 (13.85)	396 (11.74)
JPN	1240054	0.10	1238855	549 (6.14)	553 (4.23)	534 (5.57)	527 (9.80)	421 (28.22)
KOR	533504	.	533504	565 (7.56)	549 (3.25)	503 (4.65)	494 (10.70)	424 (18.21)
LUX	4080	0.10	4076	494 (3.61)	501 (2.35)	467 (4.01)	434 (7.37)	405 (7.44)
MEX	1071650	0.37	1067674	404 (3.96)	412 (3.44)	412 (7.23)	391 (14.42)	344 (7.33)
NLD	184943	3.21	179009	529 (7.49)	539 (3.25)	507 (5.05)	473 (7.47)	500 (12.04)
NZL	48638	1.93	47697	517 (4.61)	529 (2.49)	509 (5.76)	487 (12.83)	454 (16.37)
NOR	52816	0.77	52407	486 (4.45)	491 (3.15)	475 (5.65)	451 (9.98)	418 (11.91)
POL	534900	.	534900	500 (4.50)	501 (2.99)	493 (4.23)	501 (9.65)	401 (16.85)
PRT	96857	0.23	96637	478 (3.79)	470 (3.68)	433 (8.41)	421 (14.43)	392 (13.74)
SVK	77067	0.06	77022	486 (6.71)	500 (3.56)	496 (5.43)	493 (10.64)	429 (13.97)
ESP	344372	0.07	344114	490 (3.78)	495 (2.86)	477 (5.30)	447 (8.54)	398 (8.73)
SWE	107104	0.25	106838	504 (4.84)	510 (3.01)	508 (5.19)	491 (8.07)	459 (15.49)
CHE	86491	0.14	86370	517 (4.48)	519 (3.37)	509 (5.70)	487 (11.97)	430 (12.88)
TUR	481279	0.03	481137	441 (6.77)	443 (6.23)	440 (8.65)	418 (8.13)	360 (5.80)
GBR	698579	3.62	673259	525 (5.03)	521 (2.98)	517 (4.76)	488 (9.74)	445 (12.14)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	489 (1.68)	507 (1.07)	502 (1.47)	480 (2.44)	397 (2.78)
AVG	.	4.57	.	497 (0.95)	509 (0.62)	499 (0.88)	473 (1.78)	415 (2.01)
HKG	72484	0.21	72334	554 (5.94)	547 (4.70)	524 (4.54)	509 (9.13)	. (.)
IDN	1971476	.	1971476	404 (4.50)	406 (3.92)	385 (3.42)	386 (3.63)	348 (5.96)
LVA	33643	0.22	33570	494 (5.89)	490 (4.09)	483 (7.83)	496 (15.88)	414 (14.78)
LIE	338	.	338	520 (7.46)	540 (8.13)	. (.)	. (.)	. (.)
MAC	6546	.	6546	530 (11.95)	530 (4.66)	519 (5.34)	490 (14.32)	. (.)
RUS	2153373	0.02	2152991	498 (5.33)	491 (4.31)	481 (7.19)	494 (14.84)	425 (8.71)
YUG	68596	0.60	68185	438 (4.75)	445 (3.76)	433 (5.10)	427 (10.32)	382 (4.72)
THA	637076	.	637076	436 (3.76)	428 (2.69)	421 (7.81)	. (.)	397 (17.74)
TUN	150875	0.09	150739	380 (3.42)	389 (3.00)	391 (4.04)	386 (5.89)	344 (8.01)
URY	33775	0.17	33718	437 (4.44)	448 (3.25)	447 (8.94)	421 (19.02)	370 (7.53)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel like I belong.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.73)	533 (2.07)	522 (3.86)	502 (15.75)	453 (6.45)
AUT	85931	1.08	85003	507 (4.15)	515 (2.91)	506 (6.56)	466 (9.23)	446 (9.41)
BEL	111831	1.82	109800	509 (5.75)	546 (2.61)	529 (2.83)	495 (5.82)	433 (12.50)
CAN	330436	9.70	298375	527 (2.75)	540 (1.78)	531 (2.86)	500 (6.22)	500 (6.83)
CZE	121183	4.05	116275	516 (5.39)	528 (3.05)	517 (3.96)	495 (8.48)	453 (14.41)
DNK	51741	0.65	51406	523 (5.08)	526 (2.60)	513 (4.19)	489 (5.32)	445 (10.26)
FIN	57884	0.07	57845	538 (3.61)	550 (1.75)	557 (4.43)	538 (14.10)	491 (19.32)
FRA	734579	0.87	728167	514 (4.80)	535 (3.45)	522 (3.14)	499 (4.37)	451 (12.36)
DEU	884358	5.57	835070	516 (4.53)	528 (3.36)	523 (4.81)	482 (9.78)	438 (10.78)
GRC	105131	0.13	104991	439 (5.05)	455 (3.91)	453 (9.37)	442 (15.87)	369 (15.34)
HUN	107044	0.06	106984	508 (3.84)	501 (3.16)	491 (5.58)	465 (10.40)	456 (12.03)
ISL	3928	0.63	3903	503 (2.69)	507 (1.84)	513 (5.43)	495 (9.44)	433 (22.50)
IRL	54850	1.05	54274	491 (3.57)	504 (2.58)	507 (5.28)	482 (9.67)	440 (6.61)
ITA	481521	0.21	480508	462 (4.83)	476 (3.04)	473 (4.87)	458 (11.43)	370 (12.69)
JPN	1240054	0.10	1238855	544 (6.13)	553 (4.16)	539 (4.89)	524 (9.61)	398 (30.10)
KOR	533504	.	533504	569 (6.74)	559 (2.84)	522 (4.25)	515 (8.13)	436 (15.77)
LUX	4080	0.10	4076	500 (3.58)	511 (2.05)	482 (3.34)	450 (5.44)	424 (6.56)
MEX	1071650	0.37	1067674	383 (4.81)	393 (4.42)	398 (7.13)	360 (15.77)	306 (7.23)
NLD	184943	3.21	179009	520 (6.98)	533 (3.08)	504 (4.93)	469 (7.71)	483 (11.49)
NZL	48638	1.93	47697	524 (3.97)	541 (2.34)	526 (5.11)	510 (12.96)	457 (14.00)
NOR	52816	0.77	52407	491 (4.37)	497 (2.76)	483 (5.10)	452 (11.79)	423 (10.48)
POL	534900	.	534900	491 (4.65)	491 (2.81)	481 (3.69)	484 (7.99)	369 (19.51)
PRT	96857	0.23	96637	478 (3.95)	473 (4.08)	440 (9.07)	421 (14.31)	403 (13.89)
SVK	77067	0.06	77022	479 (6.46)	498 (3.17)	493 (4.13)	485 (8.94)	430 (11.05)
ESP	344372	0.07	344114	480 (3.59)	491 (2.86)	477 (4.97)	445 (8.49)	404 (10.15)
SWE	107104	0.25	106838	505 (3.87)	512 (2.65)	513 (4.26)	495 (7.72)	464 (12.83)
CHE	86491	0.14	86370	526 (3.78)	526 (3.08)	514 (4.60)	504 (6.75)	445 (13.58)
TUR	481279	0.03	481137	413 (6.78)	419 (6.24)	418 (8.31)	390 (9.04)	314 (5.80)
GBR	698579	3.62	673259	513 (4.38)	513 (2.70)	507 (3.81)	479 (8.90)	445 (9.31)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	483 (1.91)	504 (1.22)	503 (1.34)	480 (2.63)	383 (3.24)
AVG	.	4.57	.	496 (1.01)	509 (0.68)	504 (0.85)	480 (1.55)	412 (2.20)
HKG	72484	0.21	72334	566 (5.94)	556 (4.87)	531 (4.05)	516 (9.08)	. (.)
IDN	1971476	.	1971476	368 (4.76)	375 (4.12)	350 (3.41)	347 (5.99)	309 (5.39)
LVA	33643	0.22	33570	492 (5.87)	483 (3.97)	476 (7.60)	485 (14.28)	397 (16.80)
LIE	338	.	338	526 (7.07)	539 (6.44)	. (.)	. (.)	. (.)
MAC	6546	.	6546	537 (11.48)	537 (3.79)	527 (5.27)	510 (13.45)	. (.)
RUS	2153373	0.02	2152991	485 (5.18)	482 (4.70)	469 (6.27)	468 (16.15)	409 (9.86)
YUG	68596	0.60	68185	417 (4.79)	432 (3.44)	425 (5.44)	405 (10.27)	354 (5.58)
THA	637076	.	637076	433 (3.77)	423 (2.85)	416 (7.73)	. (.)	396 (20.42)
TUN	150875	0.09	150739	336 (3.09)	350 (2.40)	352 (3.81)	347 (5.84)	306 (6.32)
URY	33775	0.17	33718	411 (4.35)	420 (4.24)	413 (6.96)	397 (16.22)	335 (7.63)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel awkward and out of place.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	1.27 (0.14)	7.29 (0.29)	49.92 (0.77)	38.83 (0.79)	2.69 (0.17)
AUT	85931	1.08	85003	2.02 (0.28)	6.31 (0.48)	21.04 (0.67)	65.74 (0.70)	4.89 (0.39)
BEL	111831	1.82	109800	3.26 (0.22)	12.02 (0.39)	51.86 (0.62)	29.33 (0.65)	3.52 (0.29)
CAN	330436	9.70	298375	1.85 (0.14)	8.62 (0.31)	49.20 (0.49)	37.55 (0.48)	2.78 (0.17)
CZE	121183	4.05	116275	1.10 (0.14)	5.33 (0.39)	55.83 (0.88)	35.21 (0.73)	2.54 (0.25)
DNK	51741	0.65	51406	2.21 (0.27)	9.05 (0.42)	47.43 (0.85)	36.78 (0.83)	4.52 (0.36)
FIN	57884	0.07	57845	1.58 (0.15)	7.11 (0.38)	45.41 (0.75)	44.71 (0.77)	1.19 (0.15)
FRA	734579	0.87	728167	3.54 (0.35)	8.67 (0.46)	43.65 (0.74)	41.33 (0.92)	2.81 (0.29)
DEU	884358	5.57	835070	3.06 (0.24)	7.99 (0.39)	31.05 (0.71)	53.17 (0.86)	4.73 (0.37)
GRC	105131	0.13	104991	1.68 (0.21)	6.22 (0.32)	48.36 (0.95)	39.97 (0.89)	3.78 (0.33)
HUN	107044	0.06	106984	1.49 (0.18)	5.82 (0.37)	42.75 (0.90)	47.98 (0.94)	1.96 (0.23)
ISL	3928	0.63	3903	1.89 (0.21)	8.90 (0.48)	41.80 (0.83)	46.48 (0.80)	0.93 (0.17)
IRL	54850	1.05	54274	1.18 (0.18)	6.12 (0.37)	45.92 (0.88)	39.41 (0.91)	7.37 (0.51)
ITA	481521	0.21	480508	1.41 (0.18)	4.65 (0.36)	48.80 (0.65)	42.14 (0.63)	3.00 (0.28)
JPN	1240054	0.10	1238855	3.92 (0.36)	13.85 (0.58)	58.32 (0.84)	22.81 (0.77)	1.10 (0.16)
KOR	533504	.	533504	1.20 (0.15)	7.34 (0.32)	49.77 (0.63)	41.11 (0.66)	0.58 (.)
LUX	4080	0.10	4076	3.22 (0.28)	6.72 (0.42)	30.58 (0.71)	55.47 (0.68)	4.02 (0.29)
MEX	1071650	0.37	1067674	2.94 (0.25)	6.12 (0.46)	41.87 (0.77)	39.15 (1.10)	9.91 (0.75)
NLD	184943	3.29	178862	1.41 (0.25)	5.98 (0.48)	49.05 (0.97)	40.37 (1.06)	3.19 (0.37)
NZL	48638	2.35	47493	1.63 (0.24)	8.84 (0.44)	49.99 (0.74)	37.77 (0.74)	1.76 (0.23)
NOR	52816	0.77	52407	2.11 (0.22)	6.53 (0.41)	31.96 (0.70)	55.35 (0.87)	4.05 (0.36)
POL	534900	.	534900	3.35 (0.26)	6.23 (0.39)	49.86 (0.77)	37.58 (0.78)	2.98 (0.35)
PRT	96857	0.23	96637	1.51 (0.19)	9.73 (0.55)	49.13 (0.87)	35.95 (0.91)	3.69 (0.36)
SVK	77067	0.06	77022	1.83 (0.22)	9.09 (0.50)	51.93 (0.70)	32.06 (0.65)	5.09 (0.36)
ESP	344372	0.07	344114	2.65 (0.25)	6.27 (0.35)	44.19 (0.89)	43.18 (0.90)	3.71 (0.29)
SWE	107104	0.25	106838	0.83 (0.14)	4.01 (0.31)	27.75 (0.78)	65.42 (0.89)	1.99 (0.20)
CHE	86491	0.14	86370	3.22 (0.23)	8.09 (0.45)	33.60 (0.78)	51.13 (1.12)	3.96 (0.29)
TUR	481279	0.03	481137	3.01 (0.32)	7.29 (0.54)	35.60 (0.94)	46.60 (1.24)	7.51 (0.65)
GBR	698579	3.62	673259	1.62 (0.17)	6.82 (0.38)	46.19 (0.72)	41.43 (0.72)	3.95 (0.30)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	2.61 (0.07)	8.00 (0.14)	45.51 (0.20)	39.91 (0.21)	3.97 (0.12)
AVG	.	4.59	.	2.14 (0.04)	7.48 (0.07)	43.87 (0.13)	42.91 (0.15)	3.60 (0.06)
HKG	72484	0.21	72334	1.39 (0.19)	8.96 (0.53)	71.11 (0.75)	18.03 (0.67)	0.52 (.)
IDN	1971476	.	1971476	1.56 (0.28)	8.36 (0.50)	65.31 (0.95)	12.99 (0.68)	11.78 (0.79)
LVA	33643	0.23	33566	1.80 (0.25)	7.29 (0.59)	47.67 (1.04)	40.27 (1.40)	2.97 (0.29)
LIE	338	.	338	3.62 (.)	6.97 (.)	36.11 (2.85)	48.77 (2.62)	4.52 (.)
MAC	6546	.	6546	1.54 (.)	12.21 (1.15)	67.09 (1.68)	18.59 (1.18)	0.56 (.)
RUS	2153373	0.02	2152991	2.34 (0.22)	11.23 (0.46)	51.29 (0.84)	26.99 (0.78)	8.15 (0.50)
YUG	68596	0.64	68159	2.30 (0.28)	6.32 (0.42)	44.07 (0.92)	34.09 (0.96)	13.21 (0.63)
THA	637076	.	637076	1.37 (0.19)	13.53 (0.58)	68.45 (0.95)	15.12 (0.84)	1.54 (0.20)
TUN	150875	0.09	150739	5.24 (0.35)	11.06 (0.56)	42.25 (0.98)	33.53 (0.87)	7.92 (0.51)
URY	33775	0.17	33718	1.64 (0.20)	4.71 (0.33)	34.03 (0.78)	47.50 (0.95)	12.13 (0.64)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel awkward and out of place.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	482 (11.04)	499 (5.31)	526 (2.44)	538 (2.51)	436 (8.11)
AUT	85931	1.08	85003	431 (12.22)	460 (9.48)	493 (4.10)	503 (3.80)	439 (9.78)
BEL	111831	1.82	109800	450 (10.75)	490 (5.63)	520 (2.83)	521 (2.95)	409 (16.51)
CAN	330436	9.70	298375	500 (10.49)	521 (4.17)	534 (1.61)	535 (2.26)	485 (6.60)
CZE	121183	4.05	116275	444 (12.27)	454 (8.73)	492 (3.15)	515 (3.09)	421 (9.93)
DNK	51741	0.65	51406	451 (10.34)	481 (5.07)	494 (3.12)	504 (3.39)	433 (10.20)
FIN	57884	0.07	57845	531 (11.00)	544 (4.92)	545 (1.93)	544 (2.30)	503 (16.33)
FRA	734579	0.87	728167	465 (10.81)	475 (5.42)	501 (3.16)	507 (3.47)	409 (13.30)
DEU	884358	5.57	835070	457 (11.72)	492 (6.71)	508 (3.45)	508 (3.83)	417 (10.97)
GRC	105131	0.13	104991	433 (17.21)	445 (7.94)	469 (4.20)	490 (4.66)	403 (13.76)
HUN	107044	0.06	106984	457 (14.98)	474 (6.95)	470 (3.02)	497 (3.19)	419 (13.19)
ISL	3928	0.63	3903	441 (14.94)	484 (7.23)	493 (2.61)	497 (2.43)	419 (25.55)
IRL	54850	1.05	54274	473 (12.78)	519 (6.62)	521 (3.32)	521 (2.79)	453 (7.14)
ITA	481521	0.21	480508	439 (17.18)	452 (9.12)	477 (3.05)	486 (3.48)	374 (12.21)
JPN	1240054	0.10	1238855	446 (12.76)	480 (6.76)	502 (3.91)	515 (5.15)	377 (23.18)
KOR	533504	.	533504	499 (13.33)	512 (5.19)	533 (3.19)	543 (3.32)	. (.)
LUX	4080	0.10	4076	441 (9.56)	459 (6.53)	481 (2.73)	489 (2.10)	401 (10.02)
MEX	1071650	0.37	1067674	350 (8.95)	372 (9.07)	401 (4.07)	427 (4.25)	321 (5.82)
NLD	184943	3.29	178862	481 (14.99)	486 (6.76)	513 (2.93)	531 (3.38)	493 (11.01)
NZL	48638	2.35	47493	453 (15.56)	476 (7.47)	526 (2.37)	540 (3.16)	424 (14.53)
NOR	52816	0.77	52407	454 (14.21)	493 (7.24)	502 (3.97)	506 (3.16)	450 (9.42)
POL	534900	.	534900	458 (9.52)	472 (6.67)	496 (2.94)	512 (3.20)	402 (12.52)
PRT	96857	0.23	96637	418 (13.17)	421 (8.51)	477 (3.17)	503 (4.02)	419 (11.24)
SVK	77067	0.06	77022	428 (11.69)	458 (4.71)	469 (3.53)	486 (3.36)	399 (10.78)
ESP	344372	0.07	344114	441 (10.98)	454 (6.52)	484 (2.64)	491 (2.99)	400 (9.16)
SWE	107104	0.25	106838	476 (15.52)	494 (8.17)	512 (3.43)	520 (2.50)	456 (16.46)
CHE	86491	0.14	86370	438 (11.59)	472 (6.43)	503 (3.99)	510 (3.07)	435 (11.36)
TUR	481279	0.03	481137	399 (13.69)	408 (10.06)	438 (6.55)	464 (5.50)	358 (6.24)
GBR	698579	3.62	673259	468 (12.20)	499 (6.59)	508 (3.24)	515 (3.08)	435 (7.74)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	439 (3.92)	469 (2.65)	489 (1.24)	499 (1.08)	382 (3.63)
AVG	.	4.59	.	447 (2.14)	475 (1.36)	497 (0.74)	507 (0.61)	411 (2.51)
HKG	72484	0.21	72334	445 (13.53)	483 (6.05)	511 (3.75)	524 (4.54)	. (.)
IDN	1971476	.	1971476	351 (11.12)	382 (5.70)	389 (3.13)	396 (4.98)	331 (5.44)
LVA	33643	0.23	33566	452 (13.42)	454 (7.20)	487 (3.91)	507 (3.89)	443 (10.94)
LIE	338	.	338	. (.)	. (.)	530 (7.32)	533 (6.15)	. (.)
MAC	6546	.	6546	. (.)	486 (8.76)	498 (2.59)	509 (5.11)	. (.)
RUS	2153373	0.02	2152991	410 (13.94)	422 (6.53)	443 (3.94)	466 (4.69)	392 (7.24)
YUG	68596	0.64	68159	385 (8.92)	401 (6.54)	418 (3.81)	429 (4.42)	361 (5.05)
THA	637076	.	637076	387 (11.48)	401 (4.91)	423 (2.91)	432 (4.78)	367 (15.51)
TUN	150875	0.09	150739	352 (6.23)	371 (5.97)	383 (3.44)	380 (3.36)	328 (7.96)
URY	33775	0.17	33718	397 (15.60)	406 (10.49)	433 (4.75)	455 (3.49)	372 (6.81)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel awkward and out of place.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	496 (9.60)	503 (6.34)	526 (2.37)	534 (2.56)	442 (6.68)
AUT	85931	1.08	85003	459 (10.26)	479 (7.29)	510 (3.75)	515 (3.43)	449 (8.98)
BEL	111831	1.82	109800	480 (8.87)	513 (5.07)	544 (2.59)	539 (2.95)	436 (14.18)
CAN	330436	9.70	298375	507 (8.46)	530 (3.74)	539 (1.68)	538 (2.24)	488 (5.63)
CZE	121183	4.05	116275	471 (15.32)	482 (8.79)	519 (3.41)	541 (3.45)	439 (10.10)
DNK	51741	0.65	51406	477 (9.06)	505 (4.83)	518 (2.91)	523 (3.80)	450 (9.59)
FIN	57884	0.07	57845	521 (11.70)	542 (5.15)	546 (1.96)	546 (2.48)	480 (14.24)
FRA	734579	0.87	728167	476 (7.88)	489 (4.84)	518 (2.94)	519 (3.03)	436 (10.86)
DEU	884358	5.57	835070	480 (11.73)	502 (6.84)	523 (3.51)	514 (3.83)	433 (8.95)
GRC	105131	0.13	104991	412 (12.71)	430 (7.64)	443 (3.91)	457 (4.63)	374 (9.74)
HUN	107044	0.06	106984	458 (12.92)	479 (6.66)	479 (3.28)	505 (3.67)	417 (13.12)
ISL	3928	0.63	3903	479 (11.54)	503 (6.62)	520 (2.21)	517 (2.21)	442 (20.20)
IRL	54850	1.05	54274	466 (10.76)	507 (6.88)	511 (2.92)	504 (2.65)	445 (6.26)
ITA	481521	0.21	480508	436 (11.85)	447 (7.52)	467 (3.25)	472 (3.51)	387 (8.68)
JPN	1240054	0.10	1238855	483 (12.25)	516 (5.80)	539 (3.98)	547 (5.21)	439 (19.83)
KOR	533504	.	533504	502 (13.45)	514 (4.97)	541 (3.38)	552 (3.75)	. (.)
LUX	4080	0.10	4076	462 (9.08)	473 (5.77)	495 (2.19)	501 (1.70)	433 (8.66)
MEX	1071650	0.37	1067674	348 (7.07)	361 (7.38)	388 (3.68)	407 (3.95)	311 (4.94)
NLD	184943	3.29	178862	514 (14.86)	508 (7.56)	540 (2.98)	554 (3.47)	519 (11.10)
NZL	48638	2.35	47493	457 (14.17)	488 (5.54)	531 (2.34)	535 (2.97)	444 (13.29)
NOR	52816	0.77	52407	467 (12.84)	494 (6.58)	501 (3.29)	498 (2.79)	435 (8.12)
POL	534900	.	534900	456 (8.03)	465 (7.09)	491 (2.69)	504 (3.13)	403 (10.12)
PRT	96857	0.23	96637	424 (11.52)	414 (6.57)	467 (3.00)	486 (3.54)	413 (10.55)
SVK	77067	0.06	77022	459 (11.99)	493 (5.92)	500 (3.12)	511 (3.79)	419 (10.29)
ESP	344372	0.07	344114	452 (8.49)	469 (5.33)	488 (2.76)	493 (2.92)	416 (6.90)
SWE	107104	0.25	106838	463 (15.60)	474 (7.58)	503 (3.63)	516 (2.71)	466 (15.46)
CHE	86491	0.14	86370	468 (9.02)	500 (4.69)	532 (4.20)	537 (3.54)	445 (9.51)
TUR	481279	0.03	481137	373 (15.56)	387 (10.06)	421 (7.52)	449 (6.93)	331 (6.26)
GBR	698579	3.62	673259	479 (11.77)	502 (6.12)	509 (3.14)	516 (2.90)	436 (7.49)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	451 (3.70)	480 (2.41)	498 (1.25)	501 (1.15)	385 (3.48)
AVG	.	4.59	.	460 (2.12)	485 (1.40)	505 (0.72)	510 (0.68)	416 (2.31)
HKG	72484	0.21	72334	489 (17.18)	519 (6.83)	552 (4.50)	568 (6.22)	. (.)
IDN	1971476	.	1971476	324 (11.51)	358 (5.92)	368 (3.79)	375 (5.52)	308 (4.20)
LVA	33643	0.23	33566	441 (14.10)	453 (6.34)	481 (3.98)	498 (3.81)	437 (13.59)
LIE	338	.	338	. (.)	. (.)	548 (9.00)	539 (6.79)	. (.)
MAC	6546	.	6546	. (.)	506 (10.56)	528 (3.41)	542 (7.63)	. (.)
RUS	2153373	0.02	2152991	434 (11.73)	447 (6.42)	469 (4.15)	494 (4.77)	423 (5.96)
YUG	68596	0.64	68159	408 (8.69)	424 (6.25)	443 (4.07)	454 (4.22)	384 (5.04)
THA	637076	.	637076	383 (12.15)	395 (4.29)	421 (3.04)	425 (5.50)	383 (13.96)
TUN	150875	0.09	150739	342 (5.24)	356 (5.23)	367 (3.45)	362 (2.99)	315 (4.59)
URY	33775	0.17	33718	382 (14.68)	404 (6.65)	420 (3.36)	444 (4.01)	356 (4.93)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel awkward and out of place.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	494 (10.49)	501 (6.13)	526 (2.31)	536 (2.44)	441 (7.46)
AUT	85931	1.08	85003	447 (12.02)	465 (7.68)	492 (3.73)	501 (3.69)	436 (10.01)
BEL	111831	1.82	109800	463 (9.61)	492 (5.08)	521 (2.86)	519 (2.95)	416 (14.38)
CAN	330436	9.70	298375	492 (9.83)	516 (4.22)	526 (1.96)	524 (2.50)	474 (8.00)
CZE	121183	4.05	116275	477 (15.12)	483 (9.19)	525 (3.40)	548 (3.55)	445 (11.24)
DNK	51741	0.65	51406	443 (10.82)	464 (6.40)	477 (3.15)	487 (4.06)	408 (10.42)
FIN	57884	0.07	57845	532 (12.66)	544 (5.65)	551 (2.20)	549 (2.54)	490 (16.58)
FRA	734579	0.87	728167	474 (10.98)	488 (6.46)	515 (3.35)	523 (3.69)	435 (14.59)
DEU	884358	5.57	835070	488 (12.87)	507 (7.53)	522 (3.75)	514 (4.10)	428 (10.59)
GRC	105131	0.13	104991	456 (16.53)	466 (7.07)	478 (4.11)	494 (4.47)	417 (10.70)
HUN	107044	0.06	106984	481 (14.48)	500 (7.09)	492 (3.17)	517 (3.68)	438 (14.06)
ISL	3928	0.63	3903	467 (12.82)	483 (7.05)	499 (2.62)	497 (2.21)	429 (24.13)
IRL	54850	1.05	54274	476 (15.01)	513 (8.12)	513 (3.20)	507 (3.03)	444 (7.40)
ITA	481521	0.21	480508	452 (14.09)	473 (8.58)	488 (3.20)	494 (3.67)	399 (11.04)
JPN	1240054	0.10	1238855	499 (12.98)	529 (6.91)	552 (4.13)	562 (5.47)	443 (21.43)
KOR	533504	.	533504	498 (14.58)	510 (6.38)	537 (3.72)	548 (3.96)	. (.)
LUX	4080	0.10	4076	454 (9.92)	463 (6.31)	486 (2.86)	490 (2.33)	414 (10.23)
MEX	1071650	0.37	1067674	376 (6.92)	386 (8.16)	407 (3.75)	424 (3.59)	341 (6.08)
NLD	184943	3.29	178862	490 (18.45)	494 (7.76)	524 (3.35)	541 (3.73)	505 (12.39)
NZL	48638	2.35	47493	457 (15.50)	482 (6.24)	526 (2.41)	536 (3.39)	445 (13.40)
NOR	52816	0.77	52407	451 (14.56)	479 (6.79)	489 (4.04)	488 (3.22)	428 (9.41)
POL	534900	.	534900	466 (9.15)	471 (7.16)	497 (3.04)	513 (3.48)	412 (12.59)
PRT	96857	0.23	96637	419 (15.00)	419 (7.01)	468 (3.10)	489 (3.65)	405 (12.47)
SVK	77067	0.06	77022	455 (12.72)	483 (7.85)	495 (3.64)	511 (3.65)	426 (12.55)
ESP	344372	0.07	344114	446 (9.86)	465 (7.23)	490 (2.99)	497 (3.23)	408 (8.36)
SWE	107104	0.25	106838	484 (19.23)	476 (8.13)	502 (4.03)	512 (2.83)	454 (17.26)
CHE	86491	0.14	86370	447 (12.38)	486 (6.19)	520 (4.14)	523 (3.84)	432 (10.51)
TUR	481279	0.03	481137	393 (14.23)	402 (9.42)	429 (6.91)	457 (5.77)	364 (6.06)
GBR	698579	3.62	673259	480 (12.56)	514 (7.76)	519 (3.24)	527 (3.12)	440 (8.63)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	460 (3.84)	487 (2.54)	504 (1.21)	507 (1.09)	397 (3.56)
AVG	.	4.59	.	460 (2.16)	483 (1.36)	504 (0.71)	510 (0.63)	418 (2.36)
HKG	72484	0.21	72334	480 (15.62)	514 (6.81)	541 (4.38)	555 (5.54)	. (.)
IDN	1971476	.	1971476	371 (10.00)	393 (5.64)	400 (3.20)	409 (4.65)	357 (4.60)
LVA	33643	0.23	33566	456 (13.55)	461 (6.64)	488 (4.02)	501 (4.46)	440 (12.87)
LIE	338	.	338	. (.)	. (.)	536 (8.69)	529 (7.95)	. (.)
MAC	6546	.	6546	. (.)	508 (12.06)	525 (3.65)	540 (8.25)	. (.)
RUS	2153373	0.02	2152991	461 (12.16)	469 (7.04)	489 (4.30)	515 (5.25)	442 (6.82)
YUG	68596	0.64	68159	409 (9.15)	419 (6.41)	439 (3.84)	455 (4.49)	395 (4.97)
THA	637076	.	637076	391 (14.73)	413 (4.50)	432 (2.85)	439 (4.43)	385 (12.81)
TUN	150875	0.09	150739	365 (6.37)	382 (5.61)	391 (3.39)	390 (3.01)	347 (5.95)
URY	33775	0.17	33718	417 (18.84)	415 (9.20)	440 (3.88)	457 (3.44)	374 (5.67)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel awkward and out of place.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	490 (8.44)	507 (5.52)	531 (2.24)	540 (2.18)	452 (6.17)
AUT	85931	1.08	85003	462 (10.95)	482 (7.05)	509 (3.77)	515 (3.37)	452 (8.81)
BEL	111831	1.82	109800	481 (8.65)	511 (4.19)	539 (2.58)	533 (2.83)	439 (12.13)
CAN	330436	9.70	298375	509 (8.56)	528 (3.98)	537 (1.64)	534 (2.30)	491 (5.69)
CZE	121183	4.05	116275	472 (14.38)	483 (8.83)	520 (3.33)	539 (3.15)	441 (10.59)
DNK	51741	0.65	51406	480 (10.08)	509 (4.99)	519 (2.80)	526 (3.33)	451 (9.47)
FIN	57884	0.07	57845	537 (11.89)	550 (4.73)	551 (1.92)	546 (2.63)	488 (14.68)
FRA	734579	0.87	728167	485 (9.41)	497 (5.21)	526 (3.20)	527 (3.53)	444 (12.23)
DEU	884358	5.57	835070	488 (11.59)	511 (6.23)	529 (3.34)	523 (3.74)	443 (9.41)
GRC	105131	0.13	104991	423 (12.66)	433 (8.22)	450 (4.07)	458 (4.79)	378 (10.15)
HUN	107044	0.06	106984	468 (13.33)	488 (7.04)	490 (3.31)	516 (3.65)	441 (12.83)
ISL	3928	0.63	3903	473 (12.77)	500 (5.70)	508 (1.92)	507 (2.12)	414 (24.16)
IRL	54850	1.05	54274	463 (9.95)	508 (6.50)	507 (2.85)	499 (2.56)	440 (6.01)
ITA	481521	0.21	480508	435 (16.36)	448 (7.65)	472 (3.07)	478 (3.55)	368 (11.63)
JPN	1240054	0.10	1238855	491 (12.59)	531 (6.09)	553 (4.00)	558 (5.41)	439 (22.16)
KOR	533504	.	533504	522 (13.72)	527 (5.07)	550 (3.22)	558 (3.50)	. (.)
LUX	4080	0.10	4076	466 (8.34)	477 (5.89)	498 (2.44)	499 (2.03)	433 (8.42)
MEX	1071650	0.37	1067674	339 (8.13)	365 (8.57)	387 (4.31)	408 (4.60)	304 (5.93)
NLD	184943	3.29	178862	485 (15.51)	489 (7.89)	521 (3.18)	534 (3.64)	496 (11.72)
NZL	48638	2.35	47493	475 (13.82)	501 (6.38)	540 (2.23)	542 (2.70)	455 (12.79)
NOR	52816	0.77	52407	459 (15.61)	489 (7.28)	496 (3.71)	493 (2.92)	431 (7.81)
POL	534900	.	534900	452 (8.00)	461 (7.06)	486 (2.69)	502 (3.10)	391 (13.73)
PRT	96857	0.23	96637	425 (12.81)	419 (7.74)	472 (3.23)	489 (4.21)	413 (11.59)
SVK	77067	0.06	77022	449 (14.06)	484 (5.44)	493 (3.33)	506 (3.87)	419 (9.05)
ESP	344372	0.07	344114	454 (9.71)	464 (7.02)	486 (3.01)	489 (3.11)	411 (8.75)
SWE	107104	0.25	106838	468 (17.24)	484 (8.64)	506 (3.53)	513 (2.46)	467 (13.84)
CHE	86491	0.14	86370	467 (9.26)	497 (6.20)	525 (3.55)	532 (3.28)	447 (10.41)
TUR	481279	0.03	481137	363 (14.48)	375 (10.42)	405 (6.67)	433 (5.77)	311 (7.02)
GBR	698579	3.62	673259	475 (12.06)	503 (6.37)	512 (3.01)	517 (2.79)	440 (7.20)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	453 (4.00)	486 (2.57)	501 (1.31)	503 (1.21)	381 (3.65)
AVG	.	4.59	.	461 (2.17)	487 (1.46)	505 (0.72)	509 (0.66)	414 (2.36)
HKG	72484	0.21	72334	487 (17.25)	519 (6.34)	549 (4.19)	565 (5.90)	. (.)
IDN	1971476	.	1971476	337 (11.51)	360 (5.26)	368 (3.24)	372 (4.96)	318 (4.10)
LVA	33643	0.23	33566	443 (13.56)	449 (7.22)	479 (4.30)	498 (3.90)	427 (12.60)
LIE	338	.	338	. (.)	. (.)	539 (7.98)	534 (6.41)	. (.)
MAC	6546	.	6546	. (.)	510 (10.73)	534 (2.83)	544 (6.94)	. (.)
RUS	2153373	0.02	2152991	434 (13.52)	459 (6.71)	479 (4.56)	506 (4.92)	421 (7.53)
YUG	68596	0.64	68159	396 (9.06)	410 (5.73)	427 (3.80)	437 (4.08)	369 (5.18)
THA	637076	.	637076	402 (12.22)	406 (4.13)	428 (2.83)	434 (5.66)	377 (15.91)
TUN	150875	0.09	150739	328 (5.68)	337 (5.12)	352 (3.12)	350 (2.58)	306 (4.86)
URY	33775	0.17	33718	367 (16.67)	385 (7.77)	411 (3.95)	433 (4.24)	340 (6.30)

Student Questionnaire – Question 27

Q27 My school is a place where:

Other students seem to like me.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.32	234828	16.52 (0.48)	76.70 (0.53)	3.94 (0.23)	0.83 (0.12)	2.00 (0.15)
AUT	85931	1.08	85003	15.74 (0.61)	58.96 (0.84)	16.57 (0.65)	4.32 (0.36)	4.41 (0.33)
BEL	111831	1.82	109800	12.94 (0.42)	75.49 (0.59)	6.58 (0.29)	1.34 (0.15)	3.64 (0.34)
CAN	330436	9.70	298375	19.39 (0.41)	73.18 (0.44)	4.78 (0.25)	0.91 (0.07)	1.74 (0.13)
CZE	121183	4.05	116275	8.65 (0.43)	76.47 (0.58)	10.57 (0.44)	1.77 (0.20)	2.54 (0.27)
DNK	51741	0.65	51406	20.56 (0.69)	67.94 (0.83)	5.95 (0.44)	1.88 (0.21)	3.67 (0.39)
FIN	57884	0.07	57845	8.70 (0.46)	77.00 (0.64)	11.49 (0.52)	1.38 (0.17)	1.43 (0.14)
FRA	734579	0.87	728167	15.33 (0.56)	74.17 (0.68)	5.82 (0.37)	1.43 (0.17)	3.25 (0.26)
DEU	884358	5.57	835070	13.96 (0.57)	52.50 (0.80)	22.73 (0.63)	5.70 (0.41)	5.11 (0.42)
GRC	105131	0.13	104991	18.24 (0.71)	71.55 (0.74)	6.37 (0.35)	1.23 (0.14)	2.61 (0.28)
HUN	107044	0.06	106984	18.46 (0.65)	69.07 (0.77)	8.94 (0.48)	1.95 (0.23)	1.58 (0.18)
ISL	3928	0.63	3903	18.72 (0.64)	69.77 (0.69)	7.84 (0.47)	2.45 (0.25)	1.22 (0.20)
IRL	54850	1.05	54274	14.56 (0.52)	77.27 (0.65)	3.77 (0.35)	0.72 (.)	3.67 (0.31)
ITA	481521	0.21	480508	15.67 (0.52)	73.62 (0.66)	6.85 (0.33)	1.47 (0.18)	2.39 (0.27)
JPN	1240054	0.10	1238855	5.39 (0.31)	61.85 (0.78)	27.29 (0.69)	3.54 (0.26)	1.93 (0.23)
KOR	533504	.	533504	3.81 (0.32)	40.56 (0.86)	50.24 (0.89)	4.53 (0.26)	0.87 (0.14)
LUX	4080	0.10	4076	25.99 (0.69)	61.66 (0.73)	7.11 (0.41)	1.96 (0.20)	3.28 (0.32)
MEX	1071650	0.37	1067674	23.66 (0.72)	57.68 (0.75)	7.48 (0.45)	2.43 (0.25)	8.75 (0.56)
NLD	184943	3.28	178881	9.60 (0.51)	81.11 (0.69)	6.11 (0.40)	1.17 (0.19)	2.01 (0.28)
NZL	48638	2.05	47643	14.54 (0.57)	77.72 (0.69)	5.12 (0.33)	1.06 (0.15)	1.56 (0.21)
NOR	52816	0.77	52407	19.26 (0.66)	68.71 (0.69)	6.55 (0.40)	2.46 (0.25)	3.03 (0.30)
POL	534900	.	534900	16.88 (0.66)	73.97 (0.71)	5.28 (0.32)	1.81 (0.18)	2.06 (0.28)
PRT	96857	0.23	96637	10.94 (0.57)	77.54 (0.68)	7.24 (0.43)	1.84 (0.18)	2.44 (0.32)
SVK	77067	0.06	77022	10.43 (0.38)	76.67 (0.62)	7.55 (0.38)	1.05 (0.14)	4.29 (0.45)
ESP	344372	0.07	344114	18.21 (0.59)	71.04 (0.72)	6.24 (0.37)	1.57 (0.16)	2.94 (0.24)
SWE	107104	0.25	106838	18.03 (0.56)	69.77 (0.82)	7.33 (0.48)	1.63 (0.19)	3.24 (0.27)
CHE	86491	0.14	86370	13.41 (0.54)	60.05 (0.72)	17.23 (0.76)	2.97 (0.24)	6.35 (0.39)
TUR	481279	0.07	480954	6.12 (0.50)	30.52 (0.95)	39.80 (0.74)	12.43 (0.51)	11.13 (1.00)
GBR	698579	3.62	673259	17.97 (0.56)	75.28 (0.69)	3.79 (0.29)	0.96 (0.14)	2.00 (0.18)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	13.98 (0.17)	63.69 (0.26)	15.42 (0.19)	3.06 (0.09)	3.85 (0.11)
AVG	.	4.58	.	14.88 (0.12)	68.17 (0.17)	11.29 (0.12)	2.38 (0.05)	3.29 (0.06)
HKG	72484	0.21	72334	4.69 (0.31)	71.62 (0.73)	21.30 (0.64)	1.93 (0.18)	0.45 (.)
IDN	1971476	.	1971476	11.74 (0.55)	65.01 (0.81)	13.47 (0.50)	2.01 (0.21)	7.78 (0.63)
LVA	33643	0.23	33566	5.52 (0.51)	64.37 (1.62)	24.01 (1.53)	2.72 (0.28)	3.39 (0.33)
LIE	338	.	338	10.23 (1.57)	54.82 (2.45)	23.12 (2.08)	4.87 (.)	6.96 (.)
MAC	6546	.	6546	4.97 (0.87)	66.70 (1.58)	24.66 (1.30)	2.82 (0.48)	0.85 (.)
RUS	2153373	0.02	2152991	5.34 (0.38)	41.99 (0.86)	41.83 (0.90)	4.00 (0.25)	6.85 (0.53)
YUG	68596	0.61	68176	16.84 (0.76)	65.88 (0.92)	5.72 (0.40)	1.30 (0.18)	10.26 (0.57)
THA	637076	.	637076	6.80 (0.73)	71.44 (0.84)	18.53 (0.69)	1.51 (0.20)	1.72 (0.25)
TUN	150875	0.09	150739	32.08 (0.78)	52.76 (0.83)	7.18 (0.41)	3.57 (0.27)	4.40 (0.37)
URY	33775	0.17	33718	18.12 (0.64)	66.15 (0.94)	5.32 (0.43)	1.36 (0.18)	9.05 (0.62)

Student Questionnaire – Question 27

Q27 My school is a place where:

Other students seem to like me.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	520 (3.14)	531 (2.13)	516 (5.55)	480 (13.02)	431 (9.02)
AUT	85931	1.08	85003	487 (6.49)	504 (3.67)	484 (5.71)	456 (10.75)	447 (10.42)
BEL	111831	1.82	109800	493 (5.11)	521 (2.49)	489 (7.32)	458 (15.34)	403 (18.19)
CAN	330436	9.70	298375	525 (2.87)	536 (1.62)	515 (6.06)	479 (8.92)	473 (8.16)
CZE	121183	4.05	116275	489 (5.29)	502 (2.90)	478 (4.92)	468 (13.96)	425 (9.11)
DNK	51741	0.65	51406	493 (3.93)	496 (2.82)	485 (7.32)	477 (13.16)	441 (12.01)
FIN	57884	0.07	57845	537 (5.21)	545 (1.67)	543 (4.52)	530 (11.12)	496 (13.81)
FRA	734579	0.87	728167	473 (4.21)	507 (2.73)	490 (6.88)	457 (16.39)	419 (10.78)
DEU	884358	5.57	835070	490 (6.63)	515 (3.50)	500 (4.25)	469 (7.26)	427 (10.23)
GRC	105131	0.13	104991	471 (6.00)	477 (4.15)	454 (7.56)	448 (15.75)	398 (15.53)
HUN	107044	0.06	106984	484 (4.58)	485 (2.86)	464 (4.99)	463 (10.10)	426 (10.94)
ISL	3928	0.63	3903	484 (4.05)	497 (2.13)	490 (7.43)	463 (14.42)	406 (18.82)
IRL	54850	1.05	54274	501 (4.60)	521 (2.75)	524 (7.35)	. (.)	445 (10.09)
ITA	481521	0.21	480508	445 (5.55)	485 (2.61)	475 (6.30)	470 (14.80)	399 (15.45)
JPN	1240054	0.10	1238855	489 (7.42)	509 (3.69)	487 (4.84)	444 (9.97)	429 (16.73)
KOR	533504	.	533504	529 (9.49)	546 (3.46)	530 (3.21)	502 (6.48)	425 (24.77)
LUX	4080	0.10	4076	473 (3.30)	489 (1.97)	470 (5.80)	424 (13.24)	409 (11.02)
MEX	1071650	0.37	1067674	413 (6.06)	411 (3.85)	369 (6.21)	373 (11.32)	325 (6.60)
NLD	184943	3.28	178881	515 (5.67)	521 (2.72)	493 (6.98)	473 (12.55)	488 (12.41)
NZL	48638	2.05	47643	513 (5.09)	530 (2.30)	496 (7.97)	492 (18.95)	434 (17.25)
NOR	52816	0.77	52407	496 (4.63)	507 (2.89)	488 (7.03)	459 (12.54)	431 (11.41)
POL	534900	.	534900	499 (3.97)	501 (2.93)	476 (7.41)	476 (13.08)	378 (13.78)
PRT	96857	0.23	96637	467 (6.47)	484 (3.62)	459 (6.88)	454 (11.55)	410 (14.69)
SVK	77067	0.06	77022	461 (6.89)	477 (2.91)	453 (6.23)	404 (13.27)	399 (16.42)
ESP	344372	0.07	344114	464 (5.05)	489 (2.32)	474 (6.44)	446 (15.39)	422 (9.45)
SWE	107104	0.25	106838	505 (4.44)	519 (2.51)	516 (5.76)	486 (13.73)	476 (10.80)
CHE	86491	0.14	86370	491 (5.95)	508 (3.65)	492 (4.81)	477 (6.85)	463 (8.60)
TUR	481279	0.07	480954	427 (7.97)	464 (7.87)	445 (5.70)	442 (5.79)	371 (5.74)
GBR	698579	3.62	673259	499 (4.41)	510 (2.81)	510 (8.94)	474 (15.27)	434 (9.99)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	472 (1.74)	497 (1.04)	485 (1.83)	452 (3.06)	389 (3.32)
AVG	.	4.58	.	485 (1.07)	504 (0.62)	487 (1.31)	459 (2.31)	414 (2.70)
HKG	72484	0.21	72334	492 (7.42)	517 (3.88)	495 (4.05)	472 (13.89)	. (.)
IDN	1971476	.	1971476	368 (4.34)	390 (3.42)	385 (5.23)	373 (12.22)	327 (7.60)
LVA	33643	0.23	33566	477 (7.71)	497 (3.99)	485 (4.88)	485 (10.74)	437 (11.24)
LIE	338	.	338	529 (15.38)	531 (6.32)	525 (10.10)	. (.)	. (.)
MAC	6546	.	6546	493 (12.25)	498 (2.65)	498 (4.27)	506 (11.44)	. (.)
RUS	2153373	0.02	2152991	425 (8.05)	447 (4.20)	448 (4.06)	454 (9.09)	384 (7.07)
YUG	68596	0.61	68176	402 (5.14)	423 (3.57)	414 (6.59)	410 (12.94)	356 (4.92)
THA	637076	.	637076	424 (8.24)	424 (2.80)	408 (3.93)	393 (10.49)	369 (12.57)
TUN	150875	0.09	150739	370 (3.34)	385 (3.51)	367 (6.14)	349 (8.54)	315 (9.35)
URY	33775	0.17	33718	422 (5.87)	447 (3.63)	429 (9.78)	402 (15.25)	373 (7.12)

Student Questionnaire – Question 27

Q27 My school is a place where:
Other students seem to like me.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	516 (3.09)	529 (2.11)	520 (5.91)	478 (19.59)	445 (7.29)
AUT	85931	1.08	85003	502 (5.95)	516 (3.24)	502 (4.50)	474 (8.34)	464 (8.79)
BEL	111831	1.82	109800	509 (4.57)	544 (2.32)	513 (7.36)	482 (13.37)	441 (15.35)
CAN	330436	9.70	298375	527 (2.59)	541 (1.77)	528 (5.88)	493 (7.17)	481 (6.78)
CZE	121183	4.05	116275	511 (5.25)	528 (3.31)	510 (4.97)	503 (13.22)	448 (11.03)
DNK	51741	0.65	51406	511 (4.26)	519 (2.87)	512 (7.35)	496 (13.42)	462 (10.41)
FIN	57884	0.07	57845	540 (4.62)	547 (1.75)	542 (4.61)	529 (12.44)	494 (11.10)
FRA	734579	0.87	728167	488 (3.99)	521 (2.60)	503 (5.98)	477 (14.12)	454 (9.82)
DEU	884358	5.57	835070	499 (6.82)	523 (3.49)	512 (4.31)	484 (6.91)	445 (8.01)
GRC	105131	0.13	104991	438 (5.35)	451 (3.89)	433 (7.30)	428 (11.02)	371 (11.24)
HUN	107044	0.06	106984	488 (4.62)	494 (3.17)	475 (5.20)	472 (8.92)	422 (8.68)
ISL	3928	0.63	3903	507 (3.50)	520 (1.83)	507 (6.05)	503 (11.36)	453 (15.97)
IRL	54850	1.05	54274	486 (4.45)	508 (2.53)	520 (7.66)	. (.)	446 (8.55)
ITA	481521	0.21	480508	435 (5.70)	474 (2.78)	468 (5.14)	452 (18.41)	405 (11.10)
JPN	1240054	0.10	1238855	525 (7.74)	544 (3.90)	525 (4.58)	479 (9.84)	468 (14.70)
KOR	533504	.	533504	541 (9.26)	556 (3.79)	536 (3.44)	504 (6.34)	443 (15.83)
LUX	4080	0.10	4076	484 (2.84)	502 (1.57)	484 (5.29)	442 (11.40)	452 (9.16)
MEX	1071650	0.37	1067674	395 (5.24)	397 (3.45)	358 (4.95)	360 (10.06)	312 (5.59)
NLD	184943	3.28	178881	537 (6.38)	546 (2.85)	520 (7.40)	506 (13.29)	525 (12.01)
NZL	48638	2.05	47643	510 (4.67)	531 (2.10)	508 (6.78)	498 (18.68)	443 (16.31)
NOR	52816	0.77	52407	485 (3.75)	502 (2.52)	490 (5.99)	475 (11.05)	429 (10.34)
POL	534900	.	534900	495 (3.98)	494 (2.45)	476 (6.37)	466 (12.04)	383 (11.49)
PRT	96857	0.23	96637	456 (6.33)	472 (3.23)	449 (6.19)	443 (9.56)	408 (13.72)
SVK	77067	0.06	77022	483 (7.27)	506 (3.07)	490 (5.22)	446 (14.58)	428 (13.15)
ESP	344372	0.07	344114	472 (4.33)	492 (2.42)	474 (5.17)	449 (10.34)	435 (7.44)
SWE	107104	0.25	106838	503 (4.53)	514 (2.68)	507 (5.48)	470 (10.88)	476 (9.85)
CHE	86491	0.14	86370	519 (5.51)	536 (3.74)	520 (5.33)	505 (6.49)	483 (8.86)
TUR	481279	0.07	480954	408 (8.56)	451 (9.18)	428 (6.44)	419 (7.31)	343 (5.58)
GBR	698579	3.62	673259	500 (4.25)	511 (2.85)	514 (8.05)	476 (15.00)	441 (9.66)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	473 (1.90)	503 (1.04)	496 (1.90)	456 (3.00)	392 (3.48)
AVG	.	4.58	.	488 (1.18)	510 (0.56)	496 (1.46)	465 (2.20)	422 (2.80)
HKG	72484	0.21	72334	532 (9.56)	559 (4.71)	533 (5.31)	510 (14.74)	. (.)
IDN	1971476	.	1971476	343 (4.72)	369 (4.10)	367 (5.81)	350 (7.65)	303 (5.31)
LVA	33643	0.23	33566	472 (8.28)	489 (3.88)	477 (4.27)	476 (12.11)	442 (14.11)
LIE	338	.	338	548 (15.30)	545 (6.36)	528 (10.95)	. (.)	. (.)
MAC	6546	.	6546	517 (23.68)	529 (3.60)	529 (6.16)	519 (20.39)	. (.)
RUS	2153373	0.02	2152991	453 (7.70)	473 (4.39)	474 (4.29)	477 (9.74)	415 (6.24)
YUG	68596	0.61	68176	427 (5.26)	448 (3.64)	443 (7.14)	439 (12.48)	379 (4.96)
THA	637076	.	637076	419 (9.38)	421 (3.04)	405 (4.01)	389 (10.15)	380 (11.75)
TUN	150875	0.09	150739	354 (2.59)	369 (3.28)	350 (5.14)	335 (6.92)	308 (5.97)
URY	33775	0.17	33718	412 (4.84)	435 (3.32)	410 (7.44)	403 (13.43)	357 (5.79)

Student Questionnaire – Question 27

Q27 My school is a place where:
Other students seem to like me.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	517 (3.05)	530 (2.07)	521 (6.63)	487 (13.90)	445 (8.46)
AUT	85931	1.08	85003	489 (6.25)	502 (3.40)	485 (5.25)	460 (8.87)	449 (10.25)
BEL	111831	1.82	109800	490 (4.89)	522 (2.55)	497 (6.90)	471 (13.61)	414 (15.17)
CAN	330436	9.70	298375	512 (3.03)	528 (1.93)	509 (6.57)	475 (8.80)	460 (7.66)
CZE	121183	4.05	116275	519 (6.52)	535 (3.24)	512 (4.94)	505 (13.50)	453 (11.90)
DNK	51741	0.65	51406	473 (4.69)	480 (3.19)	474 (7.75)	462 (15.25)	421 (11.31)
FIN	57884	0.07	57845	546 (5.69)	550 (1.85)	546 (4.83)	538 (12.10)	494 (13.91)
FRA	734579	0.87	728167	489 (4.56)	521 (3.09)	504 (7.48)	471 (21.06)	448 (13.08)
DEU	884358	5.57	835070	498 (7.16)	524 (3.67)	512 (4.91)	486 (6.79)	443 (9.93)
GRC	105131	0.13	104991	477 (5.42)	487 (3.73)	465 (7.22)	464 (13.59)	411 (12.15)
HUN	107044	0.06	106984	501 (4.80)	507 (2.94)	490 (5.65)	496 (10.34)	450 (11.50)
ISL	3928	0.63	3903	488 (3.53)	500 (1.81)	487 (7.46)	480 (11.51)	426 (16.70)
IRL	54850	1.05	54274	486 (5.10)	511 (2.74)	524 (8.47)	. (.)	440 (10.19)
ITA	481521	0.21	480508	458 (6.15)	495 (2.87)	489 (6.52)	483 (19.96)	419 (13.84)
JPN	1240054	0.10	1238855	534 (7.68)	558 (4.02)	539 (5.39)	500 (10.75)	488 (17.03)
KOR	533504	.	533504	536 (10.68)	552 (4.01)	533 (3.75)	499 (7.27)	444 (18.85)
LUX	4080	0.10	4076	473 (3.42)	492 (2.23)	477 (6.56)	436 (13.08)	430 (10.89)
MEX	1071650	0.37	1067674	416 (5.35)	414 (3.39)	380 (4.86)	390 (9.56)	343 (7.29)
NLD	184943	3.28	178881	527 (6.97)	532 (3.16)	497 (7.55)	483 (16.03)	510 (14.40)
NZL	48638	2.05	47643	508 (5.08)	528 (2.33)	503 (7.34)	500 (19.47)	445 (15.40)
NOR	52816	0.77	52407	476 (4.44)	491 (3.03)	480 (6.83)	462 (12.03)	420 (11.74)
POL	534900	.	534900	501 (4.40)	502 (2.80)	481 (7.99)	481 (13.24)	392 (13.76)
PRT	96857	0.23	96637	458 (6.62)	474 (3.30)	453 (7.03)	443 (11.24)	398 (15.87)
SVK	77067	0.06	77022	486 (7.37)	502 (3.21)	479 (9.52)	432 (17.33)	428 (15.13)
ESP	344372	0.07	344114	477 (4.88)	495 (2.54)	473 (7.77)	452 (15.03)	424 (9.58)
SWE	107104	0.25	106838	495 (4.84)	512 (2.76)	506 (6.65)	474 (13.58)	472 (11.97)
CHE	86491	0.14	86370	507 (5.88)	522 (4.24)	505 (5.70)	491 (7.16)	469 (9.94)
TUR	481279	0.07	480954	421 (7.63)	458 (8.03)	437 (5.79)	430 (6.10)	370 (5.21)
GBR	698579	3.62	673259	509 (5.12)	523 (2.90)	525 (10.44)	489 (15.89)	442 (11.37)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	480 (1.78)	509 (1.01)	501 (1.95)	465 (3.09)	405 (3.60)
AVG	.	4.58	.	488 (1.10)	509 (0.58)	496 (1.41)	467 (2.31)	424 (2.57)
HKG	72484	0.21	72334	522 (8.81)	548 (4.44)	522 (5.01)	503 (14.95)	. (.)
IDN	1971476	.	1971476	388 (4.06)	401 (3.33)	396 (4.59)	384 (8.39)	354 (5.93)
LVA	33643	0.23	33566	473 (8.60)	495 (4.12)	485 (4.93)	488 (11.97)	450 (12.58)
LIE	338	.	338	538 (16.35)	534 (6.83)	523 (13.28)	. (.)	. (.)
MAC	6546	.	6546	512 (22.21)	526 (3.80)	525 (6.46)	537 (17.36)	. (.)
RUS	2153373	0.02	2152991	475 (8.46)	494 (4.80)	494 (4.18)	502 (8.19)	435 (6.53)
YUG	68596	0.61	68176	429 (5.12)	446 (3.48)	438 (6.93)	434 (15.93)	392 (5.28)
THA	637076	.	637076	433 (7.50)	434 (2.84)	416 (3.90)	404 (12.35)	388 (13.76)
TUN	150875	0.09	150739	381 (2.93)	393 (3.28)	379 (5.47)	358 (7.48)	342 (7.47)
URY	33775	0.17	33718	429 (5.10)	450 (3.11)	431 (7.16)	419 (18.38)	378 (5.73)

Student Questionnaire – Question 27

Q27 My school is a place where:
Other students seem to like me.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	522 (3.05)	535 (1.92)	525 (5.52)	485 (17.05)	452 (7.75)
AUT	85931	1.08	85003	500 (5.97)	516 (3.18)	504 (4.69)	477 (7.78)	467 (9.17)
BEL	111831	1.82	109800	504 (4.82)	539 (2.24)	516 (6.17)	477 (13.41)	440 (13.33)
CAN	330436	9.70	298375	523 (2.75)	538 (1.69)	527 (5.64)	484 (8.27)	484 (6.32)
CZE	121183	4.05	116275	510 (5.16)	528 (3.13)	510 (5.30)	506 (13.14)	449 (11.51)
DNK	51741	0.65	51406	515 (4.02)	522 (2.55)	513 (7.22)	499 (11.97)	460 (9.71)
FIN	57884	0.07	57845	536 (5.27)	550 (1.76)	551 (4.52)	544 (12.84)	502 (13.17)
FRA	734579	0.87	728167	495 (3.95)	530 (2.77)	507 (6.76)	481 (15.36)	459 (10.51)
DEU	884358	5.57	835070	505 (6.56)	531 (3.47)	521 (4.08)	492 (7.12)	456 (8.36)
GRC	105131	0.13	104991	440 (5.73)	454 (4.04)	441 (7.16)	439 (10.41)	378 (11.52)
HUN	107044	0.06	106984	499 (4.88)	505 (3.17)	485 (5.17)	482 (10.60)	446 (10.22)
ISL	3928	0.63	3903	497 (3.58)	509 (1.75)	501 (5.71)	496 (13.08)	430 (18.13)
IRL	54850	1.05	54274	480 (4.28)	504 (2.49)	518 (7.56)	. (.)	438 (8.38)
ITA	481521	0.21	480508	435 (6.45)	479 (2.70)	474 (6.46)	468 (14.61)	395 (14.82)
JPN	1240054	0.10	1238855	533 (7.89)	557 (3.90)	540 (4.68)	498 (9.81)	477 (16.51)
KOR	533504	.	533504	548 (8.54)	562 (3.50)	546 (3.29)	518 (6.91)	461 (17.30)
LUX	4080	0.10	4076	482 (3.09)	503 (1.83)	490 (6.25)	447 (11.65)	450 (9.79)
MEX	1071650	0.37	1067674	399 (6.11)	396 (3.97)	353 (6.89)	358 (12.57)	305 (6.25)
NLD	184943	3.28	178881	516 (6.50)	527 (2.90)	499 (7.83)	479 (13.22)	498 (13.30)
NZL	48638	2.05	47643	516 (4.59)	541 (2.12)	520 (7.21)	515 (17.33)	457 (15.68)
NOR	52816	0.77	52407	479 (4.15)	498 (2.76)	484 (8.00)	466 (11.93)	426 (9.11)
POL	534900	.	534900	492 (4.22)	490 (2.61)	473 (7.00)	460 (11.37)	366 (15.53)
PRT	96857	0.23	96637	455 (6.47)	476 (3.72)	456 (6.66)	444 (11.55)	406 (16.21)
SVK	77067	0.06	77022	479 (7.61)	499 (3.14)	480 (5.45)	422 (16.11)	426 (13.03)
ESP	344372	0.07	344114	465 (4.75)	490 (2.63)	475 (5.46)	451 (11.13)	430 (8.72)
SWE	107104	0.25	106838	499 (4.32)	513 (2.68)	513 (5.28)	482 (11.56)	476 (9.22)
CHE	86491	0.14	86370	515 (4.69)	530 (3.47)	515 (4.56)	504 (6.75)	480 (8.74)
TUR	481279	0.07	480954	394 (7.33)	433 (8.11)	413 (5.59)	405 (5.99)	328 (6.18)
GBR	698579	3.62	673259	501 (4.34)	514 (2.69)	512 (9.06)	479 (14.73)	441 (10.89)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	474 (1.90)	506 (1.12)	500 (2.01)	459 (3.06)	389 (3.67)
AVG	.	4.58	.	487 (1.15)	510 (0.58)	498 (1.47)	466 (2.17)	420 (2.89)
HKG	72484	0.21	72334	528 (9.26)	556 (4.35)	532 (4.86)	512 (15.05)	. (.)
IDN	1971476	.	1971476	347 (4.83)	369 (3.37)	368 (4.94)	354 (9.97)	314 (5.00)
LVA	33643	0.23	33566	466 (9.18)	488 (4.11)	480 (5.12)	476 (12.67)	431 (12.97)
LIE	338	.	338	539 (15.53)	536 (6.31)	529 (11.05)	. (.)	. (.)
MAC	6546	.	6546	524 (21.47)	534 (2.95)	531 (6.32)	530 (15.45)	. (.)
RUS	2153373	0.02	2152991	454 (9.11)	484 (4.87)	486 (4.44)	489 (10.04)	413 (7.01)
YUG	68596	0.61	68176	410 (5.46)	431 (3.33)	427 (7.38)	420 (12.24)	365 (5.02)
THA	637076	.	637076	428 (9.44)	429 (2.85)	414 (3.80)	403 (10.68)	379 (15.57)
TUN	150875	0.09	150739	340 (2.33)	354 (2.66)	335 (5.02)	323 (8.03)	302 (6.82)
URY	33775	0.17	33718	397 (5.72)	426 (3.77)	400 (8.42)	386 (13.97)	338 (6.78)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel lonely.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.32	234828	1.58	(0.12)	4.74	(0.25)	37.37	(0.57)	53.69	(0.67)	2.62	(0.15)
AUT	85931	1.08	85003	2.25	(0.25)	4.84	(0.38)	17.35	(0.73)	71.29	(0.78)	4.27	(0.33)
BEL	111831	1.79	109825	1.99	(0.23)	4.17	(0.26)	37.64	(0.59)	52.65	(0.65)	3.55	(0.29)
CAN	330436	9.70	298375	1.75	(0.12)	5.92	(0.28)	36.98	(0.55)	52.81	(0.59)	2.53	(0.17)
CZE	121183	4.05	116275	1.44	(0.19)	5.78	(0.36)	52.52	(0.71)	37.68	(0.74)	2.58	(0.23)
DNK	51741	0.65	51406	1.23	(0.18)	4.82	(0.41)	28.31	(0.67)	61.51	(0.79)	4.14	(0.32)
FIN	57884	0.07	57845	1.00	(0.13)	5.41	(0.33)	40.14	(0.74)	52.36	(0.69)	1.09	(0.15)
FRA	734579	0.87	728167	1.89	(0.23)	4.50	(0.40)	30.00	(0.78)	60.74	(0.77)	2.88	(0.31)
DEU	884358	5.57	835070	1.94	(0.19)	4.07	(0.30)	21.01	(0.68)	68.81	(0.90)	4.17	(0.34)
GRC	105131	0.13	104991	1.71	(0.17)	4.63	(0.28)	38.67	(0.96)	51.73	(1.01)	3.26	(0.28)
HUN	107044	0.06	106984	2.33	(0.19)	4.79	(0.30)	31.36	(0.81)	59.75	(0.91)	1.77	(0.20)
ISL	3928	0.63	3903	2.78	(0.26)	7.53	(0.46)	25.39	(0.69)	63.62	(0.84)	0.67	(.)
IRL	54850	1.05	54274	1.23	(0.19)	3.08	(0.29)	34.66	(0.87)	54.28	(0.95)	6.74	(0.52)
ITA	481521	0.21	480508	1.55	(0.17)	4.09	(0.30)	33.69	(0.63)	57.73	(0.71)	2.93	(0.29)
JPN	1240054	0.10	1238855	9.85	(0.58)	19.66	(0.63)	50.81	(0.78)	19.14	(0.64)	0.54	(.)
KOR	533504	.	533504	1.19	(0.17)	5.87	(0.35)	45.42	(0.83)	46.98	(0.82)	0.54	(.)
LUX	4080	0.10	4076	2.34	(0.23)	4.66	(0.33)	22.84	(0.69)	66.37	(0.85)	3.79	(0.32)
MEX	1071650	0.37	1067674	3.69	(0.32)	5.89	(0.30)	34.77	(0.86)	45.86	(1.14)	9.80	(0.72)
NLD	184943	3.25	178926	0.43	(.)	2.35	(0.31)	34.46	(1.00)	59.42	(0.92)	3.34	(0.38)
NZL	48638	2.19	47571	1.38	(0.17)	5.08	(0.32)	36.19	(0.63)	55.85	(0.66)	1.50	(0.21)
NOR	52816	0.77	52407	1.94	(0.21)	4.88	(0.35)	22.94	(0.72)	66.45	(0.89)	3.80	(0.35)
POL	534900	.	534900	2.93	(0.23)	5.16	(0.37)	41.78	(0.72)	47.55	(0.85)	2.58	(0.30)
PRT	96857	0.23	96637	1.05	(0.15)	3.73	(0.35)	33.07	(0.80)	58.75	(0.94)	3.40	(0.34)
SVK	77067	0.06	77022	1.72	(0.19)	4.93	(0.37)	45.99	(0.64)	42.73	(0.84)	4.63	(0.39)
ESP	344372	0.07	344114	1.50	(0.19)	3.35	(0.36)	29.45	(0.68)	62.39	(0.77)	3.31	(0.29)
SWE	107104	0.25	106838	1.69	(0.20)	4.87	(0.35)	28.25	(0.84)	62.82	(0.81)	2.37	(0.21)
CHE	86491	0.14	86370	1.85	(0.19)	4.32	(0.29)	23.45	(1.05)	66.75	(1.07)	3.64	(0.29)
TUR	481279	0.03	481137	8.35	(0.44)	15.10	(0.64)	36.85	(0.86)	32.92	(1.10)	6.78	(0.68)
GBR	698579	3.62	673259	1.26	(0.16)	4.22	(0.30)	31.52	(0.78)	59.39	(0.86)	3.60	(0.28)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
TOT	.	27.20	.	3.46	(0.10)	7.41	(0.15)	36.06	(0.19)	49.39	(0.26)	3.68	(0.11)
AVG	.	4.58	.	2.28	(0.04)	5.61	(0.08)	33.89	(0.14)	54.88	(0.19)	3.34	(0.06)
HKG	72484	0.21	72334	2.00	(0.23)	9.45	(0.52)	60.42	(0.81)	27.69	(0.77)	0.44	(.)
IDN	1971476	.	1971476	2.06	(0.23)	4.55	(0.25)	55.52	(0.72)	28.94	(0.81)	8.93	(0.64)
LVA	33643	0.23	33566	2.48	(0.28)	6.08	(0.35)	44.78	(0.85)	43.54	(0.80)	3.12	(0.31)
LIE	338	.	338	2.42	(.)	4.87	(.)	24.97	(2.29)	64.09	(2.47)	3.65	(.)
MAC	6546	.	6546	3.35	(0.58)	11.72	(1.15)	51.63	(1.74)	32.62	(1.52)	0.68	(.)
RUS	2153373	0.02	2152991	3.13	(0.24)	5.08	(0.36)	41.72	(0.76)	42.68	(0.88)	7.39	(0.51)
YUG	68596	0.61	68177	2.44	(0.26)	4.42	(0.34)	35.55	(0.91)	45.18	(0.88)	12.41	(0.67)
THA	637076	.	637076	1.88	(0.25)	8.93	(0.50)	55.77	(1.02)	31.20	(1.07)	2.22	(0.34)
TUN	150875	0.09	150739	4.91	(0.38)	5.64	(0.33)	33.69	(0.85)	50.45	(1.05)	5.32	(0.41)
URY	33775	0.17	33718	1.85	(0.21)	3.92	(0.28)	27.59	(0.86)	55.30	(0.83)	11.33	(0.67)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel lonely.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	493 (12.53)	510 (5.21)	528 (2.95)	531 (2.26)	437 (8.57)
AUT	85931	1.08	85003	435 (12.61)	479 (8.93)	495 (5.39)	499 (3.45)	437 (9.04)
BEL	111831	1.79	109825	443 (15.98)	495 (8.95)	516 (3.14)	517 (2.81)	406 (17.69)
CAN	330436	9.70	298375	506 (9.01)	534 (4.59)	537 (1.92)	530 (1.85)	482 (7.72)
CZE	121183	4.05	116275	452 (14.58)	478 (8.22)	493 (2.98)	510 (3.07)	414 (9.47)
DNK	51741	0.65	51406	484 (14.04)	491 (7.26)	498 (3.79)	494 (3.09)	438 (12.25)
FIN	57884	0.07	57845	514 (13.09)	548 (6.26)	549 (1.85)	541 (2.12)	497 (16.90)
FRA	734579	0.87	728167	471 (14.41)	507 (9.81)	507 (3.28)	497 (2.80)	405 (11.36)
DEU	884358	5.57	835070	450 (12.58)	486 (8.03)	511 (4.24)	506 (3.60)	406 (11.65)
GRC	105131	0.13	104991	441 (12.11)	449 (9.75)	470 (4.51)	481 (4.36)	404 (14.52)
HUN	107044	0.06	106984	447 (11.50)	470 (7.54)	471 (3.86)	492 (2.64)	410 (14.23)
ISL	3928	0.63	3903	473 (14.01)	483 (6.62)	497 (3.56)	494 (2.04)	. (.)
IRL	54850	1.05	54274	493 (14.32)	530 (8.92)	520 (3.35)	519 (2.78)	454 (7.07)
ITA	481521	0.21	480508	434 (12.78)	472 (8.76)	479 (3.18)	480 (3.18)	373 (13.31)
JPN	1240054	0.10	1238855	447 (7.84)	483 (5.07)	509 (3.70)	519 (4.81)	. (.)
KOR	533504	.	533504	506 (12.67)	528 (7.33)	535 (3.32)	537 (3.24)	. (.)
LUX	4080	0.10	4076	438 (12.09)	468 (8.56)	486 (3.17)	484 (1.76)	406 (10.41)
MEX	1071650	0.37	1067674	354 (8.92)	384 (7.07)	396 (4.57)	426 (4.08)	319 (5.91)
NLD	184943	3.25	178926	. (.)	508 (13.93)	517 (3.33)	519 (3.38)	497 (11.35)
NZL	48638	2.19	47571	488 (17.88)	496 (8.61)	529 (3.01)	527 (2.65)	428 (17.04)
NOR	52816	0.77	52407	458 (14.96)	493 (8.63)	505 (3.65)	504 (2.87)	443 (10.99)
POL	534900	.	534900	459 (9.23)	499 (8.29)	494 (3.32)	507 (3.17)	388 (12.06)
PRT	96857	0.23	96637	434 (16.95)	427 (11.15)	470 (4.29)	490 (3.21)	414 (11.37)
SVK	77067	0.06	77022	436 (13.33)	461 (8.51)	466 (3.53)	482 (3.16)	400 (10.05)
ESP	344372	0.07	344114	438 (13.99)	477 (10.85)	486 (3.23)	483 (2.60)	401 (10.60)
SWE	107104	0.25	106838	502 (14.00)	533 (6.48)	523 (3.70)	511 (2.53)	473 (14.63)
CHE	86491	0.14	86370	442 (13.15)	471 (7.69)	504 (3.68)	505 (3.69)	429 (11.38)
TUR	481279	0.03	481137	408 (6.89)	430 (7.80)	444 (6.32)	467 (5.84)	363 (6.82)
GBR	698579	3.62	673259	483 (16.33)	521 (8.80)	515 (4.06)	506 (2.55)	433 (8.19)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	436 (3.87)	475 (2.54)	491 (1.41)	496 (0.88)	377 (3.69)
AVG	.	4.58	.	447 (2.45)	482 (1.72)	498 (0.83)	502 (0.60)	410 (2.56)
HKG	72484	0.21	72334	477 (11.97)	513 (5.09)	513 (3.92)	506 (4.64)	. (.)
IDN	1971476	.	1971476	354 (10.98)	378 (6.62)	384 (3.11)	396 (4.31)	326 (5.34)
LVA	33643	0.23	33566	462 (17.26)	482 (7.12)	488 (4.23)	500 (4.14)	441 (9.68)
LIE	338	.	338	. (.)	. (.)	520 (8.45)	537 (4.63)	. (.)
MAC	6546	.	6546	478 (11.98)	506 (7.57)	499 (2.63)	496 (3.76)	. (.)
RUS	2153373	0.02	2152991	440 (9.39)	430 (9.82)	437 (4.16)	459 (3.86)	385 (7.36)
YUG	68596	0.61	68177	384 (8.74)	405 (7.70)	415 (3.70)	427 (4.19)	357 (4.95)
THA	637076	.	637076	386 (10.94)	401 (4.62)	418 (2.99)	435 (3.41)	375 (11.89)
TUN	150875	0.09	150739	359 (8.08)	362 (8.35)	375 (3.69)	383 (3.32)	323 (9.48)
URY	33775	0.17	33718	409 (14.00)	414 (12.04)	438 (5.52)	447 (3.56)	372 (7.14)

Student Questionnaire – Question 27

Q27 My school is a place where:
I feel lonely.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	501 (13.37)	508 (5.31)	529 (2.90)	528 (2.10)	446 (6.20)
AUT	85931	1.08	85003	455 (12.19)	494 (6.28)	514 (4.87)	512 (3.21)	449 (7.74)
BEL	111831	1.79	109825	469 (14.19)	517 (9.00)	540 (2.95)	538 (2.57)	435 (14.46)
CAN	330436	9.70	298375	516 (7.18)	540 (4.83)	542 (1.91)	534 (1.82)	488 (6.86)
CZE	121183	4.05	116275	484 (16.22)	505 (7.96)	520 (3.33)	536 (3.44)	430 (9.65)
DNK	51741	0.65	51406	506 (14.82)	512 (6.84)	522 (4.06)	516 (3.19)	457 (11.21)
FIN	57884	0.07	57845	506 (11.61)	544 (6.90)	551 (2.23)	542 (2.17)	488 (13.63)
FRA	734579	0.87	728167	495 (11.09)	521 (7.86)	522 (3.10)	510 (2.76)	440 (9.94)
DEU	884358	5.57	835070	471 (12.26)	506 (7.15)	526 (4.27)	513 (3.59)	425 (8.53)
GRC	105131	0.13	104991	420 (10.06)	425 (8.76)	443 (3.68)	454 (4.31)	375 (9.32)
HUN	107044	0.06	106984	456 (9.49)	478 (6.86)	479 (3.93)	501 (3.18)	412 (14.33)
ISL	3928	0.63	3903	495 (10.52)	504 (6.55)	524 (3.29)	515 (1.87)	. (.)
IRL	54850	1.05	54274	485 (11.44)	519 (9.03)	507 (2.93)	506 (2.63)	447 (6.34)
ITA	481521	0.21	480508	442 (11.92)	465 (7.74)	468 (3.74)	469 (3.19)	387 (8.65)
JPN	1240054	0.10	1238855	486 (6.93)	520 (5.21)	544 (4.00)	552 (5.49)	. (.)
KOR	533504	.	533504	500 (11.95)	530 (6.73)	542 (3.55)	547 (3.61)	. (.)
LUX	4080	0.10	4076	462 (10.39)	477 (6.66)	500 (2.75)	496 (1.47)	437 (8.81)
MEX	1071650	0.37	1067674	347 (6.59)	369 (5.81)	383 (4.09)	409 (3.66)	307 (5.14)
NLD	184943	3.25	178926	. (.)	534 (14.27)	543 (2.97)	544 (3.61)	527 (11.01)
NZL	48638	2.19	47571	493 (15.19)	504 (7.55)	533 (2.79)	525 (2.68)	449 (15.00)
NOR	52816	0.77	52407	465 (11.70)	492 (7.06)	506 (3.09)	497 (2.54)	429 (8.59)
POL	534900	.	534900	459 (8.54)	492 (7.39)	488 (2.76)	499 (2.92)	391 (10.33)
PRT	96857	0.23	96637	425 (12.29)	418 (9.23)	459 (3.74)	477 (3.03)	412 (10.85)
SVK	77067	0.06	77022	470 (13.63)	493 (8.00)	498 (3.44)	509 (3.61)	421 (9.03)
ESP	344372	0.07	344114	446 (10.43)	479 (8.85)	490 (2.88)	488 (2.55)	419 (8.25)
SWE	107104	0.25	106838	486 (13.91)	517 (7.02)	516 (3.49)	508 (2.91)	479 (13.68)
CHE	86491	0.14	86370	487 (11.03)	494 (7.81)	532 (4.26)	532 (3.77)	442 (10.10)
TUR	481279	0.03	481137	381 (6.20)	411 (8.61)	430 (7.46)	450 (7.38)	335 (6.91)
GBR	698579	3.62	673259	490 (16.51)	523 (8.52)	516 (3.97)	507 (2.48)	433 (7.29)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	451 (3.79)	488 (2.53)	499 (1.54)	499 (0.93)	380 (3.71)
AVG	.	4.58	.	457 (2.49)	490 (1.71)	506 (0.81)	507 (0.62)	416 (2.35)
HKG	72484	0.21	72334	515 (14.06)	550 (6.52)	554 (4.37)	546 (6.26)	. (.)
IDN	1971476	.	1971476	335 (10.23)	356 (7.11)	362 (3.64)	376 (5.17)	305 (4.54)
LVA	33643	0.23	33566	457 (15.45)	476 (7.52)	480 (3.80)	494 (4.07)	430 (10.42)
LIE	338	.	338	. (.)	. (.)	533 (9.20)	547 (5.68)	. (.)
MAC	6546	.	6546	496 (18.04)	524 (9.72)	530 (3.68)	528 (5.42)	. (.)
RUS	2153373	0.02	2152991	463 (9.13)	447 (9.42)	463 (4.27)	485 (4.24)	416 (6.23)
YUG	68596	0.61	68177	396 (9.66)	430 (6.85)	440 (3.84)	453 (4.11)	381 (5.08)
THA	637076	.	637076	382 (11.16)	397 (4.95)	416 (3.25)	429 (3.83)	391 (12.23)
TUN	150875	0.09	150739	341 (6.63)	348 (7.13)	359 (3.45)	366 (2.91)	315 (5.67)
URY	33775	0.17	33718	394 (11.17)	403 (8.72)	425 (3.41)	437 (4.11)	356 (5.13)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel lonely.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	502 (12.31)	509 (6.33)	529 (2.67)	529 (2.15)	443 (7.11)
AUT	85931	1.08	85003	443 (12.66)	481 (7.38)	495 (4.76)	498 (3.47)	436 (8.57)
BEL	111831	1.79	109825	457 (14.12)	498 (8.15)	518 (3.15)	517 (2.82)	412 (15.05)
CAN	330436	9.70	298375	498 (9.01)	529 (5.34)	530 (2.29)	520 (2.13)	469 (7.45)
CZE	121183	4.05	116275	492 (14.18)	512 (8.81)	526 (3.32)	542 (3.39)	438 (10.69)
DNK	51741	0.65	51406	475 (16.23)	475 (7.34)	482 (4.38)	477 (3.44)	414 (12.48)
FIN	57884	0.07	57845	511 (13.77)	551 (7.43)	554 (2.51)	546 (2.26)	488 (16.11)
FRA	734579	0.87	728167	491 (15.80)	527 (9.83)	522 (4.12)	511 (3.21)	437 (12.63)
DEU	884358	5.57	835070	481 (13.28)	510 (8.49)	526 (4.65)	513 (3.84)	421 (11.11)
GRC	105131	0.13	104991	455 (10.60)	460 (10.10)	478 (4.38)	490 (4.05)	423 (9.77)
HUN	107044	0.06	106984	481 (12.01)	496 (7.84)	494 (4.05)	512 (3.16)	434 (14.73)
ISL	3928	0.63	3903	485 (11.32)	485 (6.96)	503 (4.01)	495 (1.85)	. (.)
IRL	54850	1.05	54274	492 (14.17)	527 (9.01)	511 (3.27)	508 (2.99)	445 (7.38)
ITA	481521	0.21	480508	452 (14.76)	488 (9.92)	489 (3.48)	491 (3.36)	397 (12.10)
JPN	1240054	0.10	1238855	498 (7.44)	533 (5.23)	558 (4.14)	566 (5.58)	. (.)
KOR	533504	.	533504	497 (14.46)	530 (7.94)	538 (3.82)	543 (3.92)	. (.)
LUX	4080	0.10	4076	454 (12.79)	472 (7.89)	491 (3.33)	485 (1.88)	420 (9.95)
MEX	1071650	0.37	1067674	376 (7.64)	395 (6.63)	401 (3.53)	426 (3.53)	339 (6.37)
NLD	184943	3.25	178926	. (.)	521 (14.85)	527 (3.45)	530 (3.88)	514 (12.09)
NZL	48638	2.19	47571	490 (15.66)	499 (8.59)	529 (2.77)	524 (2.88)	449 (15.47)
NOR	52816	0.77	52407	453 (14.04)	484 (8.25)	493 (3.53)	486 (3.07)	420 (9.65)
POL	534900	.	534900	471 (8.74)	500 (8.35)	494 (3.18)	508 (3.35)	401 (11.41)
PRT	96857	0.23	96637	419 (14.70)	422 (9.66)	462 (3.89)	479 (3.19)	403 (13.24)
SVK	77067	0.06	77022	459 (14.11)	486 (10.83)	492 (3.76)	508 (3.59)	424 (12.05)
ESP	344372	0.07	344114	450 (12.90)	481 (11.79)	491 (3.15)	491 (2.70)	409 (9.79)
SWE	107104	0.25	106838	498 (16.05)	520 (7.58)	514 (4.23)	503 (3.02)	474 (16.70)
CHE	86491	0.14	86370	461 (16.02)	483 (8.67)	523 (4.08)	517 (4.30)	429 (12.00)
TUR	481279	0.03	481137	399 (6.28)	423 (7.33)	438 (6.62)	459 (6.30)	363 (6.35)
GBR	698579	3.62	673259	498 (16.64)	536 (10.53)	527 (4.17)	518 (2.82)	436 (8.94)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	463 (3.62)	498 (2.50)	506 (1.45)	503 (0.88)	392 (3.63)
AVG	.	4.58	.	462 (2.45)	493 (1.72)	506 (0.77)	505 (0.63)	417 (2.40)
HKG	72484	0.21	72334	513 (14.19)	541 (5.82)	543 (4.30)	535 (5.60)	. (.)
IDN	1971476	.	1971476	378 (8.35)	390 (6.60)	396 (3.25)	408 (4.31)	355 (4.51)
LVA	33643	0.23	33566	478 (19.71)	482 (7.05)	488 (4.09)	496 (4.19)	436 (10.90)
LIE	338	.	338	. (.)	. (.)	525 (9.41)	536 (5.76)	. (.)
MAC	6546	.	6546	510 (16.35)	527 (9.36)	528 (4.32)	521 (5.44)	. (.)
RUS	2153373	0.02	2152991	486 (9.55)	477 (10.48)	483 (4.52)	507 (4.31)	435 (6.37)
YUG	68596	0.61	68177	404 (9.86)	425 (7.72)	436 (3.80)	452 (4.02)	393 (4.54)
THA	637076	.	637076	395 (11.55)	407 (5.31)	427 (3.06)	442 (3.29)	397 (11.66)
TUN	150875	0.09	150739	378 (7.54)	374 (7.07)	384 (3.42)	390 (2.82)	349 (6.96)
URY	33775	0.17	33718	427 (12.19)	427 (9.24)	443 (4.57)	451 (3.63)	375 (5.98)

Student Questionnaire – Question 27

Q27 My school is a place where:

I feel lonely.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	501 (15.83)	512 (5.31)	533 (2.53)	534 (1.93)	455 (6.06)
AUT	85931	1.08	85003	460 (12.43)	499 (6.56)	511 (4.84)	512 (3.12)	451 (8.02)
BEL	111831	1.79	109825	476 (12.91)	519 (7.78)	535 (2.88)	532 (2.50)	436 (12.69)
CAN	330436	9.70	298375	514 (7.77)	539 (5.10)	541 (1.83)	531 (1.80)	487 (6.58)
CZE	121183	4.05	116275	484 (17.50)	508 (8.16)	521 (3.21)	534 (3.16)	432 (9.73)
DNK	51741	0.65	51406	515 (13.46)	514 (6.67)	525 (3.64)	518 (2.85)	457 (11.00)
FIN	57884	0.07	57845	528 (10.59)	556 (6.64)	556 (2.09)	542 (2.22)	491 (13.45)
FRA	734579	0.87	728167	493 (11.77)	533 (8.91)	531 (3.28)	518 (3.10)	447 (10.55)
DEU	884358	5.57	835070	480 (10.66)	514 (7.14)	531 (3.97)	522 (3.54)	436 (8.93)
GRC	105131	0.13	104991	430 (12.12)	433 (8.94)	450 (4.17)	454 (4.36)	377 (9.63)
HUN	107044	0.06	106984	466 (11.09)	490 (7.89)	490 (3.95)	511 (3.14)	435 (13.39)
ISL	3928	0.63	3903	491 (10.79)	501 (5.65)	512 (2.73)	505 (1.89)	. (.)
IRL	54850	1.05	54274	492 (11.55)	515 (8.34)	506 (2.89)	500 (2.48)	442 (5.88)
ITA	481521	0.21	480508	441 (13.39)	468 (9.00)	474 (3.64)	473 (3.10)	371 (11.34)
JPN	1240054	0.10	1238855	497 (7.47)	535 (5.04)	558 (4.02)	564 (5.34)	. (.)
KOR	533504	.	533504	514 (13.02)	542 (6.54)	551 (3.29)	553 (3.46)	. (.)
LUX	4080	0.10	4076	465 (11.23)	485 (7.19)	503 (2.79)	495 (1.80)	437 (9.12)
MEX	1071650	0.37	1067674	344 (8.60)	366 (7.44)	382 (4.82)	409 (4.26)	301 (5.84)
NLD	184943	3.25	178926	. (.)	517 (13.53)	524 (3.44)	524 (3.79)	504 (11.41)
NZL	48638	2.19	47571	509 (14.29)	518 (7.47)	544 (2.83)	533 (2.38)	459 (14.55)
NOR	52816	0.77	52407	456 (13.74)	487 (8.74)	501 (3.49)	492 (2.76)	426 (9.00)
POL	534900	.	534900	452 (8.58)	488 (8.00)	483 (2.89)	498 (3.02)	379 (13.72)
PRT	96857	0.23	96637	428 (14.01)	427 (10.61)	464 (4.29)	480 (3.54)	409 (11.96)
SVK	77067	0.06	77022	458 (13.86)	486 (7.59)	490 (3.54)	504 (3.72)	421 (8.28)
ESP	344372	0.07	344114	447 (13.79)	480 (10.34)	489 (3.17)	484 (2.74)	413 (11.09)
SWE	107104	0.25	106838	492 (13.33)	525 (7.37)	516 (3.59)	506 (2.61)	477 (13.17)
CHE	86491	0.14	86370	479 (10.04)	492 (7.46)	526 (3.40)	527 (3.66)	442 (11.14)
TUR	481279	0.03	481137	372 (6.69)	398 (7.97)	413 (6.58)	434 (6.21)	318 (6.59)
GBR	698579	3.62	673259	491 (14.30)	523 (8.75)	519 (3.88)	508 (2.50)	438 (7.23)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
TOT	.	27.20	.	454 (4.12)	493 (2.68)	503 (1.58)	501 (0.96)	376 (3.84)
AVG	.	4.58	.	459 (2.66)	493 (1.83)	507 (0.81)	506 (0.63)	413 (2.42)
HKG	72484	0.21	72334	516 (13.03)	550 (5.84)	551 (4.17)	544 (5.71)	. (.)
IDN	1971476	.	1971476	337 (9.78)	360 (6.96)	363 (3.11)	376 (4.20)	313 (4.12)
LVA	33643	0.23	33566	460 (16.94)	472 (6.49)	479 (4.18)	494 (4.20)	421 (10.01)
LIE	338	.	338	. (.)	. (.)	527 (8.27)	540 (5.27)	. (.)
MAC	6546	.	6546	512 (16.46)	533 (9.41)	536 (3.18)	529 (4.76)	. (.)
RUS	2153373	0.02	2152991	471 (11.85)	457 (9.89)	474 (4.67)	498 (4.26)	414 (7.32)
YUG	68596	0.61	68177	385 (9.33)	415 (7.16)	423 (3.59)	436 (3.71)	366 (5.30)
THA	637076	.	637076	399 (11.00)	408 (4.79)	423 (2.89)	437 (3.98)	391 (14.82)
TUN	150875	0.09	150739	327 (7.07)	330 (6.58)	344 (3.01)	353 (2.48)	306 (6.46)
URY	33775	0.17	33718	372 (14.19)	386 (9.37)	415 (4.55)	426 (4.27)	339 (6.21)

Student Questionnaire – Question 28

Q28 In the last two full weeks you were in school, how many times did you arrive late for school?

None
One or two times
Three or four times
Five or more times

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	None %	None (SE)	1 or 2 times %	1 or 2 times (SE)	3 or 4 times %	3 or 4 times (SE)	5 or more times %	5 or more times (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	63.09	(0.70)	25.40	(0.51)	6.48	(0.32)	4.44	(0.23)	0.60	(0.08)
AUT	85931	1.08	85003	76.43	(1.09)	16.41	(0.75)	3.61	(0.31)	2.90	(0.32)	0.66	(0.12)
BEL	111831	1.79	109825	71.31	(0.85)	19.89	(0.61)	4.24	(0.33)	3.74	(0.29)	0.83	(0.09)
CAN	330436	9.70	298375	55.17	(0.59)	27.29	(0.50)	9.09	(0.32)	6.64	(0.28)	1.82	(0.12)
CZE	121183	4.05	116275	76.68	(0.75)	17.52	(0.61)	3.02	(0.27)	2.46	(0.23)	0.32	(.)
DNK	51741	0.65	51406	56.09	(1.25)	26.41	(0.81)	9.42	(0.61)	6.64	(0.55)	1.44	(0.23)
FIN	57884	0.07	57845	55.27	(1.12)	29.62	(0.70)	8.91	(0.52)	5.85	(0.43)	0.36	(.)
FRA	734579	0.87	728167	66.92	(1.15)	23.86	(0.91)	4.81	(0.38)	3.45	(0.30)	0.97	(0.15)
DEU	884358	5.57	835070	78.19	(0.97)	15.43	(0.65)	3.42	(0.34)	2.40	(0.33)	0.56	(.)
GRC	105131	0.13	104991	51.43	(1.06)	30.21	(0.83)	9.34	(0.37)	8.27	(0.47)	0.75	(0.17)
HUN	107044	0.06	106984	71.95	(1.07)	20.51	(0.76)	3.73	(0.33)	3.14	(0.37)	0.66	(0.12)
ISL	3928	0.63	3903	54.11	(0.89)	29.14	(0.78)	9.81	(0.52)	6.40	(0.42)	0.55	(.)
IRL	54850	1.05	54274	67.74	(1.02)	20.00	(0.82)	4.12	(0.37)	3.19	(0.37)	4.95	(0.34)
ITA	481521	0.21	480508	55.01	(1.00)	29.39	(0.78)	7.83	(0.42)	7.07	(0.44)	0.71	(0.11)
JPN	1240054	0.10	1238855	83.31	(0.99)	11.60	(0.64)	2.63	(0.37)	1.99	(0.27)	0.47	(.)
KOR	533504	.	533504	72.86	(1.05)	17.81	(0.70)	5.28	(0.35)	3.82	(0.32)	0.24	(.)
LUX	4080	0.10	4076	63.63	(0.64)	24.29	(0.61)	5.42	(0.35)	5.67	(0.36)	0.99	(0.14)
MEX	1071650	0.37	1067674	53.61	(1.00)	32.99	(0.84)	7.32	(0.33)	4.46	(0.31)	1.61	(0.24)
NLD	184943	3.12	179168	55.23	(1.10)	31.32	(0.82)	7.31	(0.52)	5.66	(0.59)	0.48	(.)
NZL	48638	1.66	47830	54.17	(1.10)	28.10	(0.83)	9.24	(0.45)	8.33	(0.55)	0.16	(.)
NOR	52816	0.77	52407	63.74	(0.99)	24.07	(0.68)	5.89	(0.41)	5.23	(0.41)	1.07	(0.23)
POL	534900	.	534900	63.15	(0.92)	23.07	(0.67)	7.29	(0.48)	5.92	(0.44)	0.57	(.)
PRT	96857	0.23	96637	45.66	(1.09)	39.10	(0.84)	8.91	(0.56)	5.48	(0.42)	0.84	(0.16)
SVK	77067	0.06	77022	76.68	(0.98)	17.75	(0.73)	2.97	(0.28)	2.01	(0.23)	0.58	(0.10)
ESP	344372	0.07	344114	58.42	(0.91)	26.07	(0.62)	7.13	(0.36)	7.69	(0.45)	0.68	(0.11)
SWE	107104	0.25	106838	48.51	(1.18)	28.53	(0.87)	11.58	(0.60)	9.92	(0.51)	1.46	(0.17)
CHE	86491	0.14	86370	72.69	(0.82)	20.22	(0.71)	3.47	(0.23)	2.60	(0.23)	1.02	(0.15)
TUR	481279	0.03	481137	72.62	(1.11)	19.89	(0.71)	4.01	(0.39)	2.54	(0.37)	0.95	(0.18)
GBR	698579	3.62	673259	57.85	(1.09)	26.88	(0.67)	7.95	(0.55)	6.18	(0.48)	1.14	(0.18)
USA	3147089	0.76	3123066	64.86	(0.98)	23.09	(0.76)	6.24	(0.40)	5.00	(0.40)	0.81	(0.13)
TOT	.	1.33	.	65.93	(0.34)	22.85	(0.27)	5.86	(0.14)	4.51	(0.13)	0.85	(0.05)
AVG	.	1.25	.	63.54	(0.19)	24.20	(0.15)	6.35	(0.08)	4.97	(0.07)	0.94	(0.03)
HKG	72484	0.21	72334	82.87	(0.81)	13.41	(0.64)	2.15	(0.24)	1.40	(0.23)	0.18	(.)
IDN	1971476	0.00	1971431	62.63	(1.06)	27.81	(0.81)	4.77	(0.40)	2.64	(0.29)	2.16	(0.22)
LVA	33643	0.22	33570	51.44	(1.47)	29.81	(1.02)	9.89	(0.49)	8.24	(0.73)	0.62	(.)
LIE	338	.	338	78.30	(2.50)	13.84	(2.04)	4.83	(.)	1.82	(.)	1.22	(.)
MAC	6546	.	6546	81.33	(1.14)	14.38	(1.09)	3.23	(0.53)	1.01	(.)	0.06	(.)
RUS	2153373	0.02	2152991	59.00	(1.22)	26.99	(1.06)	7.04	(0.48)	6.29	(0.35)	0.68	(0.13)
YUG	68596	0.54	68228	56.99	(1.17)	26.86	(0.83)	7.58	(0.54)	7.60	(0.54)	0.97	(0.18)
THA	637076	.	637076	65.66	(1.17)	23.58	(0.76)	5.63	(0.51)	4.54	(0.42)	0.59	(.)
TUN	150875	0.09	150739	60.77	(1.08)	26.92	(0.85)	5.56	(0.35)	4.54	(0.38)	2.21	(0.24)
URY	33775	0.17	33718	42.56	(1.08)	35.46	(0.76)	11.42	(0.60)	8.45	(0.42)	2.11	(0.22)

Student Questionnaire – Question 28

Q28 In the last two full weeks you were in school, how many times did you arrive late for school?

None
One or two times
Three or four times
Five or more times

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	None mean (SE)	1 or 2 times mean (SE)	3 or 4 times mean (SE)	5 or more times mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.35)	522 (2.69)	506 (5.01)	486 (5.11)	415 (18.41)
AUT	85931	1.08	85003	492 (3.40)	499 (6.31)	506 (9.67)	486 (13.42)	440 (21.17)
BEL	111831	1.79	109825	525 (2.40)	493 (4.38)	448 (9.20)	412 (12.51)	431 (19.14)
CAN	330436	9.70	298375	542 (1.73)	533 (2.17)	505 (3.57)	486 (4.72)	488 (6.99)
CZE	121183	4.05	116275	498 (2.83)	491 (4.71)	485 (10.22)	473 (9.48)	. (.)
DNK	51741	0.65	51406	502 (2.88)	489 (4.11)	475 (7.57)	462 (7.04)	459 (16.36)
FIN	57884	0.07	57845	554 (2.01)	537 (2.42)	530 (4.07)	502 (5.43)	. (.)
FRA	734579	0.87	728167	507 (2.93)	490 (4.15)	462 (9.02)	425 (10.21)	407 (18.20)
DEU	884358	5.57	835070	506 (3.18)	492 (6.26)	461 (11.51)	469 (13.86)	. (.)
GRC	105131	0.13	104991	479 (4.07)	475 (5.59)	465 (6.97)	443 (6.38)	318 (29.59)
HUN	107044	0.06	106984	494 (2.69)	457 (3.92)	438 (10.70)	425 (11.72)	439 (16.63)
ISL	3928	0.63	3903	505 (2.44)	489 (2.74)	474 (5.91)	445 (7.44)	. (.)
IRL	54850	1.05	54274	525 (2.64)	507 (4.40)	501 (7.20)	451 (10.51)	467 (9.47)
ITA	481521	0.21	480508	491 (2.86)	465 (4.13)	457 (6.36)	431 (7.28)	378 (17.82)
JPN	1240054	0.10	1238855	507 (3.69)	479 (6.98)	416 (13.90)	394 (17.17)	. (.)
KOR	533504	.	533504	542 (3.16)	520 (4.18)	507 (6.75)	494 (8.28)	. (.)
LUX	4080	0.10	4076	482 (1.86)	484 (2.77)	478 (7.00)	451 (8.30)	377 (23.75)
MEX	1071650	0.37	1067674	405 (4.71)	397 (4.49)	404 (5.82)	387 (8.36)	321 (13.51)
NLD	184943	3.12	179168	532 (2.61)	510 (3.34)	486 (6.19)	462 (9.24)	. (.)
NZL	48638	1.66	47830	537 (2.67)	520 (3.80)	506 (5.94)	467 (6.44)	. (.)
NOR	52816	0.77	52407	511 (2.84)	497 (3.84)	469 (7.57)	435 (8.97)	407 (26.34)
POL	534900	.	534900	502 (2.79)	495 (4.14)	490 (6.42)	455 (8.91)	. (.)
PRT	96857	0.23	96637	476 (4.34)	483 (4.31)	486 (6.06)	445 (8.21)	426 (21.18)
SVK	77067	0.06	77022	475 (3.00)	459 (4.75)	431 (9.11)	430 (12.91)	385 (18.63)
ESP	344372	0.07	344114	493 (2.65)	475 (3.49)	463 (6.87)	428 (7.57)	410 (16.68)
SWE	107104	0.25	106838	528 (2.51)	516 (3.78)	501 (5.31)	469 (7.56)	471 (13.92)
CHE	86491	0.14	86370	502 (3.44)	499 (4.72)	494 (8.51)	449 (15.95)	452 (21.21)
TUR	481279	0.03	481137	449 (5.94)	426 (6.35)	421 (9.38)	401 (13.73)	362 (18.86)
GBR	698579	3.62	673259	522 (3.13)	496 (3.77)	479 (5.76)	456 (5.62)	415 (18.40)
USA	3147089	0.76	3123066	510 (2.97)	483 (4.55)	458 (7.56)	437 (9.13)	365 (20.08)
TOT	.	1.33	.	500 (1.20)	476 (1.52)	461 (2.55)	439 (3.33)	381 (7.07)
AVG	.	1.25	.	504 (0.67)	489 (0.88)	478 (1.27)	451 (1.77)	421 (3.84)
HKG	72484	0.21	72334	519 (3.63)	479 (6.19)	454 (11.41)	392 (14.21)	. (.)
IDN	1971476	0.00	1971431	386 (3.79)	381 (3.77)	373 (6.45)	340 (9.02)	321 (11.14)
LVA	33643	0.22	33570	505 (3.36)	486 (4.62)	474 (6.91)	441 (10.49)	. (.)
LIE	338	.	338	525 (4.53)	517 (17.57)	. (.)	. (.)	. (.)
MAC	6546	.	6546	504 (2.43)	473 (6.23)	466 (11.56)	. (.)	. (.)
RUS	2153373	0.02	2152991	451 (3.79)	437 (5.74)	427 (6.05)	401 (8.30)	422 (16.68)
YUG	68596	0.54	68228	420 (3.66)	411 (4.56)	395 (6.58)	389 (6.58)	316 (15.52)
THA	637076	.	637076	426 (3.18)	412 (3.57)	404 (6.80)	394 (7.37)	. (.)
TUN	150875	0.09	150739	379 (3.24)	374 (3.91)	374 (6.72)	366 (7.57)	287 (10.47)
URY	33775	0.17	33718	451 (3.91)	435 (4.32)	419 (6.98)	387 (7.97)	355 (13.06)

Student Questionnaire – Question 28

Q28 In the last two full weeks you were in school, how many times did you arrive late for school?

None

One or two times

Three or four times

Five or more times

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	None mean (SE)	1 or 2 times mean (SE)	3 or 4 times mean (SE)	5 or more times mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.39)	518 (2.81)	496 (4.79)	485 (4.72)	448 (14.91)
AUT	85931	1.08	85003	508 (3.12)	506 (5.62)	508 (8.75)	503 (12.10)	468 (20.79)
BEL	111831	1.79	109825	549 (2.21)	510 (3.93)	468 (8.23)	444 (10.19)	461 (18.20)
CAN	330436	9.70	298375	546 (1.89)	533 (2.24)	513 (3.64)	501 (3.97)	499 (5.60)
CZE	121183	4.05	116275	526 (3.24)	513 (4.61)	507 (10.49)	508 (9.88)	. (.)
DNK	51741	0.65	51406	525 (2.64)	508 (4.00)	501 (6.64)	487 (6.32)	460 (13.08)
FIN	57884	0.07	57845	554 (2.47)	536 (2.53)	532 (4.48)	518 (4.94)	. (.)
FRA	734579	0.87	728167	522 (2.78)	504 (3.58)	477 (7.23)	438 (8.78)	456 (15.64)
DEU	884358	5.57	835070	516 (3.20)	501 (5.91)	479 (12.14)	476 (12.70)	. (.)
GRC	105131	0.13	104991	450 (4.08)	445 (5.13)	439 (5.05)	432 (7.15)	331 (20.57)
HUN	107044	0.06	106984	503 (3.02)	461 (4.40)	449 (9.81)	441 (11.47)	434 (15.64)
ISL	3928	0.63	3903	526 (1.99)	510 (2.91)	511 (4.56)	468 (7.13)	. (.)
IRL	54850	1.05	54274	511 (2.46)	498 (3.90)	485 (7.59)	453 (9.71)	455 (7.99)
ITA	481521	0.21	480508	479 (2.89)	455 (4.26)	442 (5.96)	434 (6.42)	416 (12.82)
JPN	1240054	0.10	1238855	542 (3.93)	515 (7.22)	467 (14.27)	450 (13.72)	. (.)
KOR	533504	.	533504	551 (3.44)	527 (4.75)	514 (6.48)	491 (8.35)	. (.)
LUX	4080	0.10	4076	494 (1.58)	496 (2.58)	489 (5.91)	482 (6.71)	432 (16.69)
MEX	1071650	0.37	1067674	390 (4.38)	381 (3.79)	388 (5.89)	379 (6.84)	327 (11.64)
NLD	184943	3.12	179168	558 (2.71)	535 (3.79)	518 (7.21)	480 (8.50)	. (.)
NZL	48638	1.66	47830	539 (2.69)	519 (3.46)	509 (4.95)	475 (5.38)	. (.)
NOR	52816	0.77	52407	505 (2.50)	491 (3.72)	476 (6.50)	447 (5.72)	398 (20.34)
POL	534900	.	534900	494 (2.61)	489 (3.63)	486 (5.53)	460 (7.04)	. (.)
PRT	96857	0.23	96637	465 (4.01)	469 (4.00)	471 (5.33)	451 (6.81)	426 (13.91)
SVK	77067	0.06	77022	503 (3.15)	487 (5.26)	469 (7.85)	481 (14.50)	425 (18.41)
ESP	344372	0.07	344114	498 (2.70)	475 (3.09)	463 (5.22)	450 (5.89)	439 (15.21)
SWE	107104	0.25	106838	522 (2.70)	508 (3.72)	495 (5.01)	472 (7.45)	483 (14.84)
CHE	86491	0.14	86370	530 (3.36)	525 (5.46)	511 (8.69)	491 (17.28)	467 (21.77)
TUR	481279	0.03	481137	431 (7.00)	408 (7.71)	392 (9.90)	402 (13.87)	354 (18.43)
GBR	698579	3.62	673259	524 (2.78)	495 (3.51)	478 (5.09)	465 (5.91)	435 (15.97)
USA	3147089	0.76	3123066	496 (2.84)	472 (4.29)	440 (6.25)	434 (8.46)	405 (17.50)
TOT	.	1.33	.	502 (1.12)	473 (1.47)	457 (2.59)	446 (2.88)	408 (6.66)
AVG	.	1.25	.	511 (0.67)	491 (0.89)	481 (1.29)	463 (1.63)	436 (3.42)
HKG	72484	0.21	72334	559 (4.58)	521 (6.40)	473 (13.45)	446 (17.96)	. (.)
IDN	1971476	0.00	1971431	368 (4.02)	352 (4.70)	345 (6.81)	333 (9.23)	304 (8.82)
LVA	33643	0.22	33570	493 (3.32)	480 (4.74)	472 (6.97)	452 (10.06)	. (.)
LIE	338	.	338	537 (5.45)	518 (13.64)	. (.)	. (.)	. (.)
MAC	6546	.	6546	537 (3.00)	487 (9.31)	470 (13.71)	. (.)	. (.)
RUS	2153373	0.02	2152991	478 (4.23)	460 (5.44)	449 (6.35)	438 (7.89)	448 (17.16)
YUG	68596	0.54	68228	442 (3.99)	437 (4.79)	428 (7.01)	414 (6.47)	373 (14.54)
THA	637076	.	637076	423 (3.41)	408 (3.66)	400 (7.92)	401 (6.88)	. (.)
TUN	150875	0.09	150739	361 (3.00)	359 (3.41)	352 (5.36)	369 (7.44)	300 (8.59)
URY	33775	0.17	33718	434 (3.91)	424 (4.07)	407 (5.85)	391 (5.88)	354 (9.33)

Student Questionnaire – Question 28

Q28 In the last two full weeks you were in school, how many times did you arrive late for school?

None
One or two times
Three or four times
Five or more times

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	None mean (SE)	1 or 2 times mean (SE)	3 or 4 times mean (SE)	5 or more times mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	536 (2.32)	516 (2.93)	505 (5.22)	467 (4.84)	449 (18.93)
AUT	85931	1.08	85003	492 (3.23)	495 (5.91)	506 (8.65)	500 (12.22)	417 (23.15)
BEL	111831	1.79	109825	525 (2.46)	493 (3.91)	452 (8.70)	428 (11.36)	437 (20.17)
CAN	330436	9.70	298375	534 (1.97)	523 (2.49)	491 (4.01)	479 (4.65)	477 (7.79)
CZE	121183	4.05	116275	532 (3.26)	516 (4.47)	521 (11.18)	507 (9.92)	. (.)
DNK	51741	0.65	51406	485 (2.91)	471 (4.38)	462 (7.60)	445 (7.33)	410 (19.98)
FIN	57884	0.07	57845	560 (2.61)	541 (2.81)	526 (5.27)	510 (5.53)	. (.)
FRA	734579	0.87	728167	524 (3.59)	501 (4.25)	474 (9.54)	420 (10.85)	456 (20.35)
DEU	884358	5.57	835070	517 (3.39)	499 (7.09)	477 (12.45)	484 (14.63)	. (.)
GRC	105131	0.13	104991	486 (4.06)	484 (4.90)	472 (6.61)	465 (6.69)	364 (22.92)
HUN	107044	0.06	106984	516 (3.08)	474 (4.17)	472 (10.41)	449 (12.07)	471 (21.70)
ISL	3928	0.63	3903	507 (2.41)	490 (3.05)	482 (5.38)	447 (7.36)	. (.)
IRL	54850	1.05	54274	514 (2.80)	496 (4.72)	488 (7.85)	471 (11.04)	458 (8.26)
ITA	481521	0.21	480508	506 (2.96)	471 (4.18)	450 (6.91)	446 (7.50)	439 (18.23)
JPN	1240054	0.10	1238855	557 (3.95)	523 (7.47)	474 (15.19)	450 (16.64)	. (.)
KOR	533504	.	533504	549 (3.68)	517 (5.16)	506 (8.03)	487 (9.65)	. (.)
LUX	4080	0.10	4076	486 (2.16)	481 (3.10)	479 (7.59)	464 (7.53)	400 (20.97)
MEX	1071650	0.37	1067674	410 (4.18)	400 (3.63)	406 (5.56)	392 (7.11)	354 (10.50)
NLD	184943	3.12	179168	546 (3.24)	514 (4.04)	501 (7.17)	469 (9.08)	. (.)
NZL	48638	1.66	47830	535 (2.71)	517 (3.89)	506 (5.63)	472 (5.97)	. (.)
NOR	52816	0.77	52407	495 (2.98)	480 (4.13)	461 (7.87)	424 (7.67)	407 (24.41)
POL	534900	.	534900	503 (2.86)	499 (4.19)	487 (6.91)	456 (8.50)	. (.)
PRT	96857	0.23	96637	468 (4.08)	469 (4.32)	476 (6.56)	453 (8.47)	423 (20.82)
SVK	77067	0.06	77022	501 (3.33)	481 (6.87)	454 (9.11)	460 (16.68)	445 (20.97)
ESP	344372	0.07	344114	502 (3.02)	475 (3.49)	457 (6.81)	451 (7.04)	408 (16.58)
SWE	107104	0.25	106838	520 (3.12)	510 (4.08)	485 (6.16)	460 (8.20)	478 (15.51)
CHE	86491	0.14	86370	517 (3.68)	511 (5.49)	502 (9.50)	469 (21.87)	437 (22.91)
TUR	481279	0.03	481137	441 (6.08)	418 (6.49)	420 (9.39)	418 (12.13)	342 (15.75)
GBR	698579	3.62	673259	537 (2.89)	505 (3.98)	485 (6.05)	457 (6.10)	438 (17.97)
USA	3147089	0.76	3123066	507 (2.97)	475 (4.32)	450 (7.10)	429 (9.26)	401 (20.76)
TOT	.	1.33	.	511 (1.15)	478 (1.48)	462 (2.43)	443 (3.23)	410 (6.46)
AVG	.	1.25	.	511 (0.64)	490 (0.85)	478 (1.40)	457 (1.76)	431 (3.62)
HKG	72484	0.21	72334	548 (4.31)	513 (6.16)	467 (10.82)	446 (18.54)	. (.)
IDN	1971476	0.00	1971431	401 (3.65)	388 (3.54)	389 (5.82)	364 (7.73)	373 (8.58)
LVA	33643	0.22	33570	500 (3.59)	485 (5.00)	475 (7.58)	461 (8.83)	. (.)
LIE	338	.	338	527 (5.52)	510 (16.72)	. (.)	. (.)	. (.)
MAC	6546	.	6546	534 (3.68)	487 (8.31)	469 (16.56)	. (.)	. (.)
RUS	2153373	0.02	2152991	501 (4.08)	478 (5.87)	469 (6.55)	455 (8.72)	474 (17.10)
YUG	68596	0.54	68228	441 (3.78)	438 (4.54)	425 (6.28)	418 (6.13)	353 (14.15)
THA	637076	.	637076	434 (3.22)	422 (3.67)	409 (6.36)	422 (6.23)	. (.)
TUN	150875	0.09	150739	387 (3.19)	383 (3.24)	380 (5.69)	392 (7.83)	335 (10.79)
URY	33775	0.17	33718	456 (3.51)	438 (4.09)	413 (5.91)	403 (7.59)	367 (13.63)

Student Questionnaire – Question 28

Q28 In the last two full weeks you were in school, how many times did you arrive late for school?

None
One or two times
Three or four times
Five or more times

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	None mean (SE)	1 or 2 times mean (SE)	3 or 4 times mean (SE)	5 or more times mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	539 (2.20)	525 (2.58)	501 (5.06)	485 (5.01)	474 (14.98)
AUT	85931	1.08	85003	509 (3.07)	505 (5.38)	514 (9.42)	507 (11.48)	436 (19.74)
BEL	111831	1.79	109825	542 (2.11)	512 (3.87)	467 (8.41)	444 (10.04)	449 (17.23)
CAN	330436	9.70	298375	543 (1.83)	534 (2.14)	512 (3.68)	495 (4.18)	495 (6.21)
CZE	121183	4.05	116275	525 (3.17)	517 (4.48)	512 (10.90)	504 (9.54)	. (.)
DNK	51741	0.65	51406	525 (2.68)	514 (3.93)	503 (6.58)	492 (6.66)	448 (13.30)
FIN	57884	0.07	57845	559 (2.27)	540 (2.38)	527 (4.36)	514 (5.23)	. (.)
FRA	734579	0.87	728167	531 (2.98)	509 (3.93)	495 (8.14)	449 (10.21)	483 (15.18)
DEU	884358	5.57	835070	524 (3.13)	508 (5.55)	481 (11.73)	491 (12.73)	. (.)
GRC	105131	0.13	104991	450 (4.08)	457 (5.43)	440 (5.41)	427 (7.64)	355 (21.94)
HUN	107044	0.06	106984	514 (2.99)	472 (4.40)	459 (9.91)	447 (12.57)	469 (18.38)
ISL	3928	0.63	3903	515 (1.96)	501 (2.48)	496 (4.90)	459 (6.75)	. (.)
IRL	54850	1.05	54274	506 (2.31)	495 (4.11)	491 (6.95)	436 (9.08)	448 (7.77)
ITA	481521	0.21	480508	487 (3.11)	455 (4.41)	440 (6.27)	437 (7.23)	390 (15.57)
JPN	1240054	0.10	1238855	555 (3.92)	531 (7.11)	469 (14.00)	465 (15.32)	. (.)
KOR	533504	.	533504	558 (3.20)	538 (4.36)	525 (7.23)	504 (8.08)	. (.)
LUX	4080	0.10	4076	494 (1.75)	498 (3.03)	491 (6.05)	477 (6.68)	448 (17.95)
MEX	1071650	0.37	1067674	387 (4.97)	383 (4.49)	390 (6.99)	381 (8.24)	319 (13.65)
NLD	184943	3.12	179168	537 (2.84)	515 (3.89)	501 (6.92)	464 (8.89)	. (.)
NZL	48638	1.66	47830	545 (2.47)	534 (3.46)	520 (4.81)	482 (5.96)	. (.)
NOR	52816	0.77	52407	501 (2.97)	485 (4.01)	467 (6.91)	434 (7.44)	401 (22.28)
POL	534900	.	534900	491 (2.73)	481 (4.21)	485 (5.60)	465 (7.91)	. (.)
PRT	96857	0.23	96637	467 (4.46)	476 (4.61)	469 (6.16)	461 (7.62)	428 (18.72)
SVK	77067	0.06	77022	497 (3.12)	480 (5.64)	447 (8.85)	481 (12.49)	398 (17.52)
ESP	344372	0.07	344114	493 (2.71)	478 (4.05)	462 (6.29)	439 (6.42)	425 (16.89)
SWE	107104	0.25	106838	520 (2.60)	509 (3.70)	497 (4.46)	472 (6.69)	479 (14.30)
CHE	86491	0.14	86370	525 (3.02)	517 (5.03)	504 (8.08)	498 (16.76)	466 (21.76)
TUR	481279	0.03	481137	415 (6.09)	392 (7.21)	398 (9.81)	361 (14.75)	343 (17.22)
GBR	698579	3.62	673259	524 (2.83)	501 (3.46)	480 (5.63)	463 (6.10)	438 (15.87)
USA	3147089	0.76	3123066	492 (2.87)	467 (4.36)	422 (6.79)	429 (8.80)	379 (18.06)
TOT	.	1.33	.	503 (1.14)	474 (1.57)	454 (2.91)	445 (3.14)	399 (7.41)
AVG	.	1.25	.	510 (0.66)	492 (0.92)	480 (1.36)	462 (1.72)	431 (3.69)
HKG	72484	0.21	72334	557 (4.19)	515 (7.06)	492 (12.99)	447 (16.28)	. (.)
IDN	1971476	0.00	1971431	368 (3.46)	355 (3.94)	350 (5.69)	335 (7.50)	319 (8.48)
LVA	33643	0.22	33570	493 (3.49)	479 (5.22)	470 (8.10)	450 (10.69)	. (.)
LIE	338	.	338	531 (5.08)	514 (12.93)	. (.)	. (.)	. (.)
MAC	6546	.	6546	541 (2.77)	501 (7.00)	474 (12.66)	. (.)	. (.)
RUS	2153373	0.02	2152991	487 (4.57)	474 (6.01)	467 (7.20)	436 (9.52)	461 (19.29)
YUG	68596	0.54	68228	423 (3.56)	422 (4.36)	422 (7.19)	405 (6.67)	336 (14.58)
THA	637076	.	637076	432 (3.20)	418 (3.36)	389 (7.31)	414 (7.13)	. (.)
TUN	150875	0.09	150739	349 (2.65)	342 (3.03)	349 (5.25)	341 (6.63)	275 (8.91)
URY	33775	0.17	33718	424 (4.48)	411 (4.69)	397 (6.24)	376 (7.74)	338 (12.15)

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
Homework or other study set by your teachers
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.32	234828	8.30	5.7 (0.09)	0.50	1.00	2.00	4.00	8.00	12.00	15.00
AUT	85931	1.08	85003	9.83	4.0 (0.10)	0.30	1.00	1.50	3.00	5.00	8.00	10.00
BEL	111831	1.79	109825	8.07	6.2 (0.12)	0.30	1.00	2.00	5.00	9.00	14.00	16.00
CAN	330436	9.70	298375	9.34	5.6 (0.10)	0.00	1.00	2.00	4.00	7.00	12.00	16.00
CZE	121183	4.09	116221	10.25	3.8 (0.11)	0.00	1.00	1.00	2.00	5.00	10.00	12.00
DNK	51741	0.65	51406	12.00	5.4 (0.09)	1.00	2.00	3.00	5.00	7.00	10.00	12.00
FIN	57884	0.07	57845	3.46	3.7 (0.07)	0.50	1.00	1.50	3.00	5.00	7.00	10.00
FRA	734579	0.87	728167	7.86	6.8 (0.11)	1.00	1.00	3.00	6.00	10.00	14.00	16.00
DEU	884358	5.57	835070	8.48	6.3 (0.10)	1.00	1.00	3.00	5.00	8.00	12.00	15.00
GRC	105131	0.39	104720	17.60	8.3 (0.20)	1.00	2.00	3.00	6.00	12.00	20.00	24.00
HUN	107044	0.06	106984	11.56	10.0 (0.18)	1.00	2.00	5.00	9.00	14.00	20.00	24.00
ISL	3928	0.63	3903	2.46	4.6 (0.06)	0.00	1.00	2.00	4.00	6.00	10.00	12.00
IRL	54850	1.05	54274	7.72	7.7 (0.15)	1.00	1.00	3.00	6.00	11.00	15.00	20.00
ITA	481521	0.42	479512	7.62	10.5 (0.20)	1.00	2.00	4.00	10.00	15.00	21.00	25.00
JPN	1240054	0.10	1238855	10.32	3.8 (0.21)	0.00	0.00	1.00	2.00	5.00	10.00	14.00
KOR	533504	.	533504	13.09	3.5 (0.12)	0.00	1.00	1.00	3.00	4.00	7.00	10.00
LUX	4080	0.10	4076	12.00	6.1 (0.07)	1.00	1.00	2.50	5.00	8.00	12.00	16.00
MEX	1071650	11.43	949139	11.49	5.8 (0.14)	1.00	1.00	2.00	4.00	8.00	14.00	19.00
NLD	184943	3.09	179228	5.15	5.7 (0.13)	1.00	1.00	2.00	5.00	8.00	12.00	15.00
NZL	48638	0.69	48300	6.27	4.5 (0.08)	0.50	1.00	2.00	3.00	6.00	10.00	12.00
NOR	52816	0.77	52407	7.47	4.8 (0.10)	0.00	1.00	2.00	4.00	6.00	10.00	12.00
POL	534900	.	534900	0.42	8.1 (0.16)	1.00	2.00	3.00	6.00	10.00	17.00	21.00
PRT	96857	0.30	96566	10.80	4.9 (0.12)	1.00	1.00	2.00	4.00	6.00	10.00	14.00
SVK	77067	0.18	76929	9.39	8.4 (0.15)	1.00	1.50	4.00	7.00	12.00	18.00	21.00
ESP	344372	0.07	344114	9.01	7.4 (0.13)	1.00	1.00	3.00	6.00	10.00	15.00	19.00
SWE	107104	0.27	106810	6.11	3.9 (0.09)	0.50	1.00	1.50	3.00	5.00	8.00	10.00
CHE	86491	0.16	86350	8.59	4.6 (0.13)	0.80	1.00	2.00	4.00	6.00	9.00	11.00
TUR	481279	0.03	481137	17.95	5.9 (0.19)	1.00	1.00	2.00	4.00	8.00	13.00	16.00
GBR	698579	3.61	673362	5.75	6.0 (0.10)	1.00	1.00	3.00	5.00	8.00	12.00	16.00
USA	3147089	0.76	3123066	12.26	5.7 (0.14)	0.00	1.00	2.00	4.00	8.00	12.00	16.00
TOT	.	2.32	.	10.01	5.9 (0.05)	1.00	1.00	2.00	4.00	8.00	14.00	18.00
AVG	.	1.61	.	9.02	5.9 (0.03)	1.00	1.00	2.00	4.00	8.00	13.00	17.00
HKG	72484	0.21	72334	8.29	6.8 (0.20)	1.00	1.00	2.00	5.00	10.00	15.00	20.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33560	11.35	9.4 (0.20)	1.00	2.00	5.00	8.00	13.00	20.00	22.00
LIE	338	.	338	7.32	4.4 (0.18)	0.80	1.00	2.00	3.50	6.00	9.00	11.00
MAC	6546	.	6546	11.20	7.8 (0.20)	1.00	1.00	2.00	6.00	12.00	18.00	21.00
RUS	2153373	0.04	2152564	13.49	12.7 (0.28)	2.00	4.00	7.00	12.00	18.00	24.00	27.00
YUG	68596	0.51	68244	19.78	5.3 (0.22)	0.00	1.00	1.00	3.00	7.00	14.00	17.00
THA	637076	.	637076	0.09	6.9 (0.19)	1.00	1.00	2.00	5.00	10.00	15.00	20.00
TUN	150875	0.09	150739	36.49	4.9 (0.16)	1.00	1.00	2.00	3.00	6.00	11.00	15.00
URY	33775	0.17	33718	12.08	6.8 (0.13)	1.00	1.00	3.00	5.00	10.00	15.00	20.00

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
<Remedial classes> at school
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234742	22.55	0.6 (0.04)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
AUT	85931	1.08	85003	10.85	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
BEL	111831	1.79	109825	11.85	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
CAN	330436	9.70	298375	18.35	1.0 (0.05)	0.00	0.00	0.00	0.00	0.00	2.00	5.00
CZE	121183	4.09	116221	8.85	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
DNK	51741	0.65	51406	14.86	0.2 (0.03)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
FIN	57884	0.07	57845	3.81	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
FRA	734579	0.87	728167	15.01	0.6 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	2.00
DEU	884358	5.57	835070	20.20	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
GRC	105131	0.17	104956	21.40	1.8 (0.10)	0.00	0.00	0.00	0.00	2.00	6.00	9.00
HUN	107044	0.06	106984	17.06	0.5 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	2.00
ISL	3928	0.63	3903	10.66	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
IRL	54850	1.05	54274	37.75	0.6 (0.05)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
ITA	481521	0.40	479618	11.71	1.1 (0.04)	0.00	0.00	0.00	0.00	2.00	4.00	4.00
JPN	1240054	0.10	1238855	10.59	1.1 (0.11)	0.00	0.00	0.00	0.00	1.00	3.00	5.00
KOR	533504	.	533504	13.19	4.9 (0.22)	0.00	0.00	0.00	4.00	8.00	11.00	15.00
LUX	4080	0.13	4075	31.88	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
MEX	1071650	66.69	356974	16.21	4.1 (0.21)	1.00	1.00	1.00	2.00	6.00	8.00	12.00
NLD	184943	3.09	179228	4.30	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
NZL	48638	0.69	48300	29.40	1.2 (0.09)	0.00	0.00	0.00	0.00	0.00	2.00	5.00
NOR	52816	0.77	52407	26.01	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
POL	534900	.	534900	1.25	0.7 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
PRT	96857	0.23	96637	18.51	0.4 (0.03)	0.00	0.00	0.00	0.00	1.00	1.00	2.00
SVK	77067	0.18	76929	9.99	0.6 (0.04)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
ESP	344372	0.07	344114	17.80	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
SWE	107104	0.27	106810	22.18	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CHE	86491	0.14	86370	29.88	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TUR	481279	0.03	481137	44.72	2.7 (0.10)	0.00	0.00	1.00	2.00	4.00	6.00	9.00
GBR	698579	3.61	673362	16.87	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
USA	3147089	0.76	3123066	21.96	1.4 (0.07)	0.00	0.00	0.00	0.00	0.00	4.00	7.00
TOT	.	7.22	.	17.85	1.2 (0.03)	0.00	0.00	0.00	0.00	1.00	4.00	6.00
AVG	.	3.44	.	18.05	0.8 (0.01)	0.00	0.00	0.00	0.00	0.00	2.00	5.00
HKG	72484	0.23	72319	9.55	1.2 (0.07)	0.00	0.00	0.00	0.00	1.00	4.00	6.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.23	33565	13.62	1.3 (0.06)	0.00	0.00	0.00	0.00	2.00	4.00	5.00
LIE	338	.	338	22.26	0.2 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	1.50
MAC	6546	.	6546	13.22	1.3 (0.11)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
RUS	2153373	0.03	2152704	27.75	2.0 (0.06)	0.00	0.00	0.00	2.00	3.00	5.00	6.00
YUG	68596	0.51	68244	21.79	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
THA	637076	.	637076	0.10	0.9 (0.06)	0.00	0.00	0.00	0.00	1.00	3.00	5.00
TUN	150875	0.09	150739	33.96	1.4 (0.06)	0.00	0.00	0.00	1.00	2.00	4.00	4.00
URY	33775	0.21	33705	43.22	0.5 (0.04)	0.00	0.00	0.00	0.00	0.00	2.00	3.00

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
<Enrichment classes> at school
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.35	234757	21.65	0.5 (0.04)	0.00	0.00	0.00	0.00	0.00	1.50	4.00
AUT	85931	1.08	85003	10.48	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
BEL	111831	1.79	109825	14.29	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CAN	330436	9.70	298375	16.08	0.9 (0.05)	0.00	0.00	0.00	0.00	0.00	2.00	5.00
CZE	121183	4.09	116221	7.90	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	2.00
DNK	51741	0.65	51406	16.31	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	4.70	1.9 (0.07)	0.00	0.00	0.00	0.00	3.00	7.00	8.00
FRA	734579	0.87	728167	18.51	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
DEU	884358	5.57	835070	20.15	0.6 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
GRC	105131	0.23	104891	30.66	1.3 (0.06)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
HUN	107044	0.06	106984	20.40	0.4 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	2.00
ISL	3928	0.63	3903	9.52	0.7 (0.02)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
IRL	54850	1.05	54274	37.45	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
ITA	481521	0.40	479618	14.53	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
JPN	1240054	0.10	1238855	15.23	0.8 (0.05)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
KOR	533504	.	533504	19.39	1.9 (0.11)	0.00	0.00	0.00	0.00	3.00	6.00	10.00
LUX	4080	0.13	4075	37.72	0.4 (0.04)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
MEX	1071650	69.69	324857	15.70	3.0 (0.14)	1.00	1.00	1.00	2.00	4.00	7.00	8.00
NLD	184943	3.09	179228	8.58	0.8 (0.06)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
NZL	48638	0.69	48300	25.28	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
NOR	52816	0.77	52407	24.29	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
POL	534900	.	534900	0.97	1.2 (0.04)	0.00	0.00	0.00	0.00	2.00	3.00	5.00
PRT	96857	0.23	96637	25.06	0.3 (0.05)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
SVK	77067	0.18	76929	7.61	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	2.00
ESP	344372	0.07	344114	19.71	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
SWE	107104	0.27	106810	21.83	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHE	86491	0.15	86363	32.91	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TUR	481279	0.03	481137	50.10	2.2 (0.08)	0.00	0.00	0.50	1.00	3.00	5.00	7.00
GBR	698579	3.61	673362	19.04	0.6 (0.02)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
USA	3147089	0.76	3123066	19.81	1.6 (0.09)	0.00	0.00	0.00	0.00	1.00	5.00	9.00
TOT	.	7.49	.	18.97	1.1 (0.02)	0.00	0.00	0.00	0.00	1.00	3.00	5.00
AVG	.	3.54	.	19.66	0.7 (0.01)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
HKG	72484	0.23	72319	9.24	0.6 (0.05)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.23	33565	9.75	1.0 (0.05)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
LIE	338	.	338	24.41	0.2 (0.04)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
MAC	6546	.	6546	12.09	0.9 (0.08)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
RUS	2153373	0.02	2152991	31.04	1.3 (0.07)	0.00	0.00	0.00	0.00	2.00	4.00	5.00
YUG	68596	0.51	68244	22.15	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
THA	637076	.	637076	0.10	0.8 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
TUN	150875	99.98	31	100.00	. (.)	.	.	.	.	.	.	.
URY	33775	0.24	33696	46.81	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
Work with a <tutor>
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234743	15.88	0.3 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
AUT	85931	1.08	85003	11.92	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
BEL	111831	1.79	109825	12.28	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CAN	330436	9.70	298375	13.79	0.3 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CZE	121183	4.09	116221	9.55	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
DNK	51741	0.65	51406	16.08	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.71	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FRA	734579	0.87	728167	16.49	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
DEU	884358	5.57	835070	21.81	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
GRC	105131	0.23	104886	23.86	2.3 (0.10)	0.00	0.00	0.00	0.00	4.00	7.00	10.00
HUN	107044	0.06	106984	22.20	0.6 (0.02)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
ISL	3928	0.63	3903	10.28	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.50	2.00
IRL	54850	1.05	54274	34.39	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
ITA	481521	0.40	479618	14.24	0.6 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
JPN	1240054	0.10	1238855	10.01	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
KOR	533504	.	533504	17.61	1.3 (0.06)	0.00	0.00	0.00	0.00	1.00	5.00	8.00
LUX	4080	0.13	4075	33.15	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	2.50
MEX	1071650	86.38	145922	20.48	2.5 (0.14)	0.00	1.00	1.00	2.00	3.00	6.00	8.00
NLD	184943	3.09	179228	4.54	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
NZL	48638	0.69	48300	22.25	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
NOR	52816	0.77	52407	24.14	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POL	534900	.	534900	1.35	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
PRT	96857	0.24	96621	19.58	0.9 (0.04)	0.00	0.00	0.00	0.00	2.00	3.00	4.00
SVK	77067	0.18	76929	7.72	0.6 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
ESP	344372	0.07	344114	16.67	1.1 (0.03)	0.00	0.00	0.00	0.00	2.00	4.00	5.00
SWE	107104	0.27	106810	25.04	0.2 (0.03)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CHE	86491	0.14	86370	32.61	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
TUR	481279	0.03	481137	64.57	1.8 (0.09)	0.00	0.00	0.00	1.00	3.00	5.00	7.00
GBR	698579	3.61	673362	17.37	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
USA	3147089	0.76	3123066	16.55	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TOT	.	8.97	.	17.57	0.4 (0.01)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
AVG	.	4.10	.	18.66	0.5 (0.01)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
HKG	72484	0.21	72334	8.53	0.7 (0.04)	0.00	0.00	0.00	0.00	0.00	3.00	4.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.26	33556	7.53	0.6 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
LIE	338	.	338	26.75	0.1 (0.03)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
MAC	6546	.	6546	12.42	0.6 (0.07)	0.00	0.00	0.00	0.00	0.00	2.00	5.00
RUS	2153373	0.02	2152991	32.69	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
YUG	68596	0.51	68244	23.88	0.8 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
THA	637076	.	637076	0.10	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
TUN	150875	99.98	31	100.00	. (.)	.	.	.	.	.	.	.
URY	33775	0.19	33713	40.95	1.5 (0.06)	0.00	0.00	0.00	0.00	2.00	5.00	6.00

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
Attending <out-of-school> classes
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234736	16.73	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
AUT	85931	1.08	85003	11.50	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
BEL	111831	1.79	109825	11.66	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CAN	330436	9.70	298375	12.62	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
CZE	121183	4.09	116221	13.59	0.7 (0.04)	0.00	0.00	0.00	0.00	0.00	3.00	4.00
DNK	51741	0.65	51406	16.55	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
FIN	57884	0.07	57845	3.50	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
FRA	734579	0.87	728167	15.48	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
DEU	884358	5.57	835070	22.01	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
GRC	105131	0.17	104949	16.16	5.3 (0.22)	0.00	0.00	0.00	4.00	9.00	13.00	15.00
HUN	107044	0.06	106984	21.68	0.6 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
ISL	3928	0.63	3903	10.95	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IRL	54850	1.05	54274	35.71	0.5 (0.04)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
ITA	481521	0.40	479618	13.59	0.7 (0.03)	0.00	0.00	0.00	0.00	0.00	3.00	4.00
JPN	1240054	0.10	1238855	9.59	0.5 (0.06)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
KOR	533504	.	533504	20.00	3.8 (0.15)	0.00	0.00	0.00	0.00	6.00	14.00	15.00
LUX	4080	0.10	4076	35.08	0.8 (0.04)	0.00	0.00	0.00	0.00	0.00	3.00	5.00
MEX	1071650	83.98	171680	15.78	3.0 (0.13)	0.00	1.00	1.00	2.00	4.00	6.00	9.00
NLD	184943	100.00	.	.	. (.)	.	.	.	.	.	.	.
NZL	48638	0.69	48300	24.37	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
NOR	52816	0.80	52395	24.88	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
POL	534900	.	534900	1.40	1.1 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	5.00
PRT	96857	0.23	96637	23.39	0.4 (0.03)	0.00	0.00	0.00	0.00	0.00	1.30	3.00
SVK	77067	0.18	76929	13.38	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
ESP	344372	0.07	344114	15.87	1.5 (0.05)	0.00	0.00	0.00	0.00	3.00	5.00	6.00
SWE	107104	0.27	106810	21.60	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.20	2.00
CHE	86491	0.14	86366	28.73	0.7 (0.05)	0.00	0.00	0.00	0.00	0.00	2.50	4.00
TUR	481279	0.03	481137	59.04	4.1 (0.20)	0.00	0.00	0.00	3.00	7.00	10.00	12.00
GBR	698579	3.61	673362	16.81	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
USA	3147089	0.76	3123066	14.89	0.4 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
TOT	.	10.24	.	16.90	0.8 (0.02)	0.00	0.00	0.00	0.00	0.00	3.00	5.00
AVG	.	7.25	.	18.97	0.9 (0.02)	0.00	0.00	0.00	0.00	0.00	3.00	5.00
HKG	72484	0.21	72334	8.04	0.8 (0.04)	0.00	0.00	0.00	0.00	0.00	3.00	4.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.23	33565	7.68	1.9 (0.09)	0.00	0.00	0.00	0.00	3.00	6.00	9.00
LIE	338	.	338	21.35	0.4 (0.06)	0.00	0.00	0.00	0.00	0.00	1.50	2.00
MAC	6546	.	6546	10.79	0.6 (0.07)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
RUS	2153373	0.04	2152554	32.62	1.5 (0.06)	0.00	0.00	0.00	0.00	2.00	5.00	8.00
YUG	68596	0.51	68244	23.03	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
THA	637076	.	637076	0.12	1.1 (0.08)	0.00	0.00	0.00	0.00	1.00	4.00	6.00
TUN	150875	0.09	150739	34.12	1.4 (0.06)	0.00	0.00	0.00	0.00	2.00	4.00	5.00
URY	33775	0.19	33713	45.61	0.8 (0.05)	0.00	0.00	0.00	0.00	1.00	3.00	5.00

Student Questionnaire – Question 29

Q29 On average, how many hours do you spend each week on the following?
When answering include time at the weekend too.
Other study
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
	.	.	.	.	. (.)	.	.	.	.	.	.	.
AUS	235591	0.35	234777	16.14	1.4 (0.03)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
AUT	85931	1.08	85003	8.99	2.1 (0.08)	0.00	0.00	0.00	0.00	3.00	6.00	9.00
BEL	111831	1.79	109825	11.72	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
CAN	330436	9.70	298375	12.39	1.3 (0.04)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
CZE	121183	4.09	116221	8.09	1.0 (0.05)	0.00	0.00	0.00	0.00	0.00	3.00	6.00
DNK	51741	0.65	51406	17.63	0.8 (0.04)	0.00	0.00	0.00	0.00	0.00	2.50	5.00
FIN	57884	0.07	57845	4.06	0.9 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
FRA	734579	0.87	728167	22.72	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
DEU	884358	5.57	835070	17.24	1.4 (0.05)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
GRC	105131	0.25	104870	24.52	2.4 (0.07)	0.00	0.00	0.00	1.00	3.00	6.00	10.00
HUN	107044	0.06	106984	17.04	2.2 (0.06)	0.00	0.00	0.00	1.00	3.00	6.00	9.00
ISL	3928	0.63	3903	10.16	0.6 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
IRL	54850	1.05	54274	23.94	2.7 (0.08)	0.00	0.00	0.00	2.00	4.00	8.00	10.00
ITA	481521	0.40	479618	16.09	1.0 (0.04)	0.00	0.00	0.00	0.00	0.00	3.00	6.00
JPN	1240054	0.10	1238855	7.89	2.0 (0.10)	0.00	0.00	0.00	1.00	2.00	6.00	10.00
KOR	533504	.	533504	9.89	4.2 (0.14)	0.00	0.00	1.00	2.00	5.00	12.00	16.00
LUX	4080	0.10	4076	24.09	2.5 (0.06)	0.00	0.00	0.00	1.00	4.00	6.00	10.00
MEX	1071650	76.45	252394	4.71	3.6 (0.13)	1.00	1.00	1.00	2.00	5.00	8.00	10.00
NLD	184943	100.00	.	.	. (.)	.	.	.	.	.	.	.
NZL	48638	0.69	48300	20.52	1.6 (0.05)	0.00	0.00	0.00	0.50	2.00	4.00	6.00
NOR	52816	0.80	52395	24.40	0.8 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
POL	534900	99.96	223	100.00	. (.)	.	.	.	.	.	.	.
PRT	96857	0.23	96637	18.93	1.6 (0.08)	0.00	0.00	0.00	0.00	2.00	5.00	8.00
SVK	77067	0.18	76929	5.34	0.7 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
ESP	344372	0.07	344114	17.84	1.9 (0.05)	0.00	0.00	0.00	0.00	3.00	6.00	8.00
SWE	107104	0.27	106810	21.19	0.8 (0.05)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
CHE	86491	0.15	86363	33.02	0.7 (0.04)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
TUR	481279	0.03	481137	37.13	5.8 (0.19)	0.00	1.00	2.00	4.00	8.00	13.00	19.00
GBR	698579	3.61	673362	15.34	1.3 (0.10)	0.00	0.00	0.00	0.00	2.00	4.00	6.00
USA	3147089	0.76	3123066	12.83	1.5 (0.05)	0.00	0.00	0.00	0.00	2.00	5.00	6.00
TOT	.	14.00	.	15.06	1.8 (0.03)	0.00	0.00	0.00	0.00	2.00	5.00	8.00
AVG	.	10.33	.	16.93	1.6 (0.02)	0.00	0.00	0.00	0.00	2.00	5.00	8.00
HKG	72484	0.23	72319	46.73	0.9 (0.06)	0.00	0.00	0.00	0.00	0.00	3.00	5.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.23	33565	3.91	2.1 (0.12)	0.00	0.00	0.00	0.00	2.00	6.00	10.00
LIE	338	.	338	22.84	0.8 (0.14)	0.00	0.00	0.00	0.00	1.00	3.00	5.00
MAC	6546	.	6546	45.36	1.2 (0.12)	0.00	0.00	0.00	0.00	1.00	4.00	6.00
RUS	2153373	0.03	2152750	37.85	3.7 (0.12)	0.00	0.00	0.00	2.00	6.00	10.00	15.00
YUG	68596	0.51	68244	15.23	2.9 (0.10)	0.00	0.00	0.00	0.00	4.00	10.00	13.00
THA	637076	.	637076	0.08	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TUN	150875	0.14	150668	34.71	2.4 (0.10)	0.00	0.00	0.00	1.00	3.00	6.00	10.00
URY	33775	0.17	33717	41.60	2.1 (0.07)	0.00	0.00	0.00	0.00	3.00	6.00	8.00

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I enjoy reading about Mathematics.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234787	3.83 (0.25)	24.22 (0.58)	49.00 (0.68)	22.09 (0.73)	0.85 (0.12)
AUT	85931	1.08	85003	3.41 (0.30)	16.01 (0.67)	38.25 (0.84)	41.71 (1.02)	0.62 (.)
BEL	111831	1.79	109825	3.58 (0.21)	18.99 (0.56)	42.31 (0.67)	32.72 (0.78)	2.40 (0.42)
CAN	330436	9.70	298375	5.39 (0.28)	25.17 (0.52)	41.74 (0.50)	26.06 (0.45)	1.64 (0.16)
CZE	121183	4.09	116221	1.06 (0.14)	8.97 (0.46)	54.67 (0.81)	34.56 (0.83)	0.74 (0.28)
DNK	51741	0.65	51406	8.91 (0.51)	38.04 (0.91)	36.87 (0.83)	14.26 (0.60)	1.91 (0.23)
FIN	57884	0.07	57845	3.09 (0.23)	14.08 (0.49)	49.62 (0.83)	31.31 (0.83)	1.90 (0.20)
FRA	734579	0.87	728167	4.27 (0.37)	26.84 (0.84)	40.24 (0.85)	27.62 (0.88)	1.03 (0.19)
DEU	884358	5.57	835070	5.18 (0.35)	15.93 (0.49)	40.73 (0.77)	36.99 (0.86)	1.16 (0.21)
GRC	105131	0.13	104991	10.70 (0.50)	34.63 (0.76)	34.60 (0.81)	19.19 (0.75)	0.89 (0.17)
HUN	107044	0.06	106984	2.41 (0.21)	15.43 (0.74)	53.74 (0.83)	27.70 (0.84)	0.73 (0.15)
ISL	3928	0.63	3903	6.83 (0.43)	25.76 (0.70)	35.21 (0.87)	31.60 (0.73)	0.60 (.)
IRL	54850	1.03	54285	4.00 (0.33)	25.00 (0.79)	46.55 (0.84)	23.29 (0.78)	1.15 (0.18)
ITA	481521	0.20	480573	4.21 (0.33)	26.71 (0.85)	46.56 (0.68)	21.69 (0.84)	0.83 (0.16)
JPN	1240054	0.10	1238855	3.21 (0.28)	9.50 (0.56)	40.67 (0.82)	46.27 (1.09)	0.34 (.)
KOR	533504	.	533504	7.05 (0.39)	22.19 (0.60)	48.26 (0.72)	22.30 (0.67)	0.21 (.)
LUX	4080	0.10	4076	5.16 (0.35)	15.69 (0.56)	34.39 (0.65)	43.79 (0.69)	0.98 (0.15)
MEX	1071650	0.37	1067674	10.76 (0.62)	49.70 (0.76)	27.16 (0.83)	6.77 (0.43)	5.61 (0.51)
NLD	184943	3.14	179135	2.59 (0.29)	17.21 (0.74)	47.34 (0.87)	32.03 (0.88)	0.82 (0.14)
NZL	48638	0.91	48197	4.92 (0.36)	29.81 (0.82)	46.73 (0.80)	17.93 (0.69)	0.61 (.)
NOR	52816	0.77	52407	4.62 (0.32)	21.19 (0.74)	36.20 (0.86)	36.64 (0.84)	1.35 (0.25)
POL	534900	.	534900	5.78 (0.38)	34.02 (0.88)	42.93 (0.75)	16.43 (0.74)	0.84 (0.16)
PRT	96857	0.23	96637	2.69 (0.25)	31.64 (0.90)	46.96 (0.95)	16.61 (0.74)	2.11 (0.26)
SVK	77067	0.04	77034	3.26 (0.26)	22.93 (0.77)	52.90 (1.07)	19.66 (0.88)	1.26 (0.43)
ESP	344372	0.07	344114	4.89 (0.28)	27.12 (0.70)	38.78 (0.74)	28.35 (0.64)	0.86 (0.14)
SWE	107104	0.27	106810	10.46 (0.58)	38.05 (0.78)	31.64 (0.78)	18.54 (0.68)	1.31 (0.19)
CHE	86491	0.14	86370	4.25 (0.34)	19.54 (0.88)	40.62 (0.75)	34.32 (0.83)	1.27 (0.18)
TUR	481279	0.03	481137	20.36 (0.91)	36.98 (0.91)	27.15 (0.86)	11.76 (0.65)	3.76 (0.43)
GBR	698579	3.73	672529	3.93 (0.31)	25.79 (0.77)	48.85 (0.82)	20.27 (0.69)	1.16 (0.20)
USA	3147089	0.76	3123066	6.00 (0.34)	25.81 (0.72)	42.66 (0.67)	24.31 (0.70)	1.23 (0.18)
TOT	.	1.34	.	6.14 (0.13)	25.94 (0.25)	41.09 (0.25)	25.30 (0.28)	1.52 (0.07)
AVG	.	1.23	.	5.57 (0.07)	24.81 (0.15)	42.09 (0.15)	26.19 (0.16)	1.34 (0.04)
HKG	72484	0.21	72334	5.54 (0.35)	31.22 (0.95)	47.36 (0.79)	15.73 (0.73)	0.16 (.)
IDN	1971476	0.00	1971403	9.85 (0.58)	65.33 (1.01)	19.76 (0.82)	1.45 (0.27)	3.61 (0.35)
LVA	33643	0.23	33565	2.45 (0.27)	23.10 (0.81)	58.50 (0.97)	15.22 (0.80)	0.73 (0.11)
LIE	338	.	338	3.89 (.)	18.18 (2.08)	41.01 (2.64)	36.92 (2.43)	. (.)
MAC	6546	.	6546	5.44 (0.85)	29.01 (1.20)	51.94 (1.39)	13.53 (1.11)	0.08 (.)
RUS	2153373	0.02	2152991	3.60 (0.22)	23.28 (0.94)	59.11 (0.85)	11.68 (0.73)	2.32 (0.24)
YUG	68596	0.55	68217	5.38 (0.36)	22.00 (0.81)	47.04 (0.89)	20.14 (0.84)	5.43 (0.61)
THA	637076	.	637076	8.01 (0.50)	61.62 (1.07)	27.40 (0.96)	2.48 (0.27)	0.50 (.)
TUN	150875	0.07	150770	34.12 (0.90)	40.50 (0.75)	16.33 (0.63)	6.95 (0.46)	2.10 (0.24)
URY	33775	0.15	33724	8.19 (0.43)	30.40 (0.86)	38.11 (0.93)	19.02 (0.80)	4.27 (0.37)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I enjoy reading about Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	528 (5.51)	529 (2.79)	530 (2.14)	517 (4.13)	421 (15.41)
AUT	85931	1.08	85003	458 (12.78)	479 (5.76)	493 (3.83)	503 (3.96)	. (.)
BEL	111831	1.79	109825	507 (7.45)	517 (4.09)	522 (2.71)	506 (3.61)	328 (23.81)
CAN	330436	9.70	298375	544 (5.39)	540 (2.53)	534 (1.88)	517 (2.51)	498 (8.22)
CZE	121183	4.09	116221	487 (18.12)	506 (5.23)	492 (3.15)	501 (2.94)	406 (33.97)
DNK	51741	0.65	51406	504 (6.72)	503 (2.99)	490 (3.37)	472 (4.68)	439 (17.26)
FIN	57884	0.07	57845	560 (7.46)	552 (3.45)	546 (2.06)	538 (2.51)	496 (9.19)
FRA	734579	0.87	728167	493 (9.59)	505 (4.42)	504 (3.21)	485 (4.25)	395 (20.77)
DEU	884358	5.57	835070	458 (8.28)	494 (5.50)	507 (4.08)	508 (3.81)	379 (19.62)
GRC	105131	0.13	104991	484 (6.74)	479 (5.19)	471 (4.91)	463 (4.60)	321 (22.44)
HUN	107044	0.06	106984	461 (11.27)	479 (5.49)	479 (2.63)	493 (3.63)	399 (27.11)
ISL	3928	0.63	3903	496 (7.17)	506 (3.62)	496 (3.01)	477 (3.10)	. (.)
IRL	54850	1.03	54285	538 (8.67)	521 (3.84)	518 (3.05)	505 (3.86)	410 (17.85)
ITA	481521	0.20	480573	434 (12.52)	473 (4.19)	483 (3.07)	476 (4.30)	380 (22.36)
JPN	1240054	0.10	1238855	523 (10.95)	527 (6.93)	509 (3.98)	483 (4.55)	. (.)
KOR	533504	.	533504	570 (5.28)	563 (3.96)	529 (3.20)	508 (4.07)	. (.)
LUX	4080	0.10	4076	459 (9.44)	466 (4.64)	484 (2.65)	487 (2.32)	328 (19.99)
MEX	1071650	0.37	1067674	371 (6.11)	400 (4.57)	422 (4.55)	426 (5.36)	315 (7.13)
NLD	184943	3.14	179135	509 (10.18)	519 (4.48)	519 (3.04)	515 (3.59)	498 (19.71)
NZL	48638	0.91	48197	503 (8.96)	512 (3.88)	530 (2.85)	529 (4.46)	. (.)
NOR	52816	0.77	52407	530 (9.61)	526 (4.30)	513 (3.83)	472 (3.40)	426 (21.32)
POL	534900	.	534900	485 (8.28)	500 (3.73)	495 (3.31)	505 (4.17)	372 (24.36)
PRT	96857	0.23	96637	456 (10.86)	479 (4.75)	484 (3.76)	470 (5.64)	417 (12.78)
SVK	77067	0.04	77034	458 (13.55)	467 (4.02)	473 (3.32)	470 (4.46)	380 (31.12)
ESP	344372	0.07	344114	487 (6.76)	494 (3.86)	487 (2.92)	462 (3.45)	343 (22.91)
SWE	107104	0.27	106810	544 (6.07)	522 (3.03)	511 (3.35)	491 (3.53)	467 (17.26)
CHE	86491	0.14	86370	484 (9.15)	485 (4.42)	505 (3.71)	506 (4.15)	411 (19.44)
TUR	481279	0.03	481137	455 (8.67)	448 (7.13)	440 (5.65)	427 (5.32)	349 (8.56)
GBR	698579	3.73	672529	521 (8.83)	508 (4.01)	509 (2.98)	502 (4.12)	414 (17.57)
USA	3147089	0.76	3123066	493 (8.37)	493 (4.24)	503 (3.54)	492 (3.66)	370 (18.30)
TOT	.	1.34	.	473 (3.29)	482 (1.63)	499 (1.38)	491 (1.38)	357 (5.55)
AVG	.	1.23	.	488 (2.05)	494 (1.00)	501 (0.75)	494 (0.76)	389 (4.05)
HKG	72484	0.21	72334	524 (6.73)	522 (3.55)	507 (3.86)	490 (6.49)	. (.)
IDN	1971476	0.00	1971403	369 (6.33)	382 (3.20)	397 (4.86)	391 (15.44)	319 (10.38)
LVA	33643	0.23	33565	473 (17.09)	493 (5.54)	490 (3.63)	496 (5.64)	431 (14.87)
LIE	338	.	338	. (.)	490 (13.02)	532 (7.83)	536 (7.51)	. (.)
MAC	6546	.	6546	501 (11.66)	503 (4.42)	496 (2.85)	492 (6.19)	. (.)
RUS	2153373	0.02	2152991	425 (10.20)	447 (4.93)	444 (3.78)	453 (6.66)	337 (13.76)
YUG	68596	0.55	68217	386 (8.37)	400 (4.82)	420 (3.56)	432 (4.68)	345 (10.36)
THA	637076	.	637076	424 (5.42)	415 (2.97)	430 (4.07)	439 (8.49)	. (.)
TUN	150875	0.07	150770	363 (3.66)	378 (3.68)	389 (4.85)	398 (6.42)	313 (12.15)
URY	33775	0.15	33724	432 (8.55)	435 (5.06)	444 (4.01)	435 (5.45)	335 (10.15)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I enjoy reading about Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	557 (5.05)	540 (2.66)	527 (2.28)	499 (3.55)	452 (13.94)
AUT	85931	1.08	85003	509 (12.29)	518 (5.21)	509 (3.54)	502 (3.56)	. (.)
BEL	111831	1.79	109825	547 (7.72)	556 (4.31)	545 (2.57)	514 (2.92)	376 (23.37)
CAN	330436	9.70	298375	580 (4.68)	556 (2.36)	536 (1.86)	509 (2.09)	503 (8.23)
CZE	121183	4.09	116221	538 (19.98)	555 (6.03)	521 (3.69)	517 (2.99)	440 (35.04)
DNK	51741	0.65	51406	559 (6.02)	536 (3.08)	503 (3.42)	469 (4.34)	464 (15.35)
FIN	57884	0.07	57845	601 (8.74)	581 (3.99)	548 (2.12)	519 (2.36)	514 (9.12)
FRA	734579	0.87	728167	534 (10.61)	534 (4.14)	516 (2.92)	483 (3.52)	438 (19.45)
DEU	884358	5.57	835070	505 (8.52)	525 (5.41)	517 (3.95)	503 (3.86)	409 (13.66)
GRC	105131	0.13	104991	493 (5.88)	465 (4.71)	432 (4.38)	410 (4.01)	329 (19.21)
HUN	107044	0.06	106984	494 (12.55)	503 (5.10)	487 (3.19)	490 (3.64)	416 (27.46)
ISL	3928	0.63	3903	552 (7.16)	543 (2.83)	515 (2.58)	485 (2.88)	. (.)
IRL	54850	1.03	54285	556 (7.69)	518 (3.71)	503 (2.96)	481 (3.41)	412 (14.48)
ITA	481521	0.20	480573	459 (10.63)	472 (3.82)	470 (3.51)	453 (3.36)	384 (18.21)
JPN	1240054	0.10	1238855	585 (10.13)	579 (7.80)	548 (4.23)	511 (4.02)	. (.)
KOR	533504	.	533504	611 (5.36)	590 (4.30)	532 (3.20)	495 (3.96)	. (.)
LUX	4080	0.10	4076	509 (9.22)	501 (4.58)	499 (2.38)	486 (2.01)	412 (15.31)
MEX	1071650	0.37	1067674	377 (5.57)	388 (4.33)	399 (3.84)	392 (5.65)	302 (5.90)
NLD	184943	3.14	179135	561 (11.22)	558 (5.01)	547 (3.03)	528 (3.90)	510 (15.53)
NZL	48638	0.91	48197	544 (8.39)	528 (3.65)	527 (2.59)	510 (3.82)	. (.)
NOR	52816	0.77	52407	562 (8.38)	534 (3.90)	506 (3.12)	457 (2.90)	425 (17.65)
POL	534900	.	534900	511 (7.40)	503 (3.25)	483 (2.94)	480 (3.82)	383 (18.69)
PRT	96857	0.23	96637	477 (11.09)	474 (4.30)	468 (3.61)	451 (5.10)	413 (12.30)
SVK	77067	0.04	77034	508 (13.73)	509 (3.73)	500 (3.45)	485 (4.89)	407 (32.03)
ESP	344372	0.07	344114	516 (6.29)	508 (3.22)	487 (2.76)	459 (3.06)	392 (22.65)
SWE	107104	0.27	106810	571 (6.26)	527 (3.34)	498 (2.81)	461 (3.04)	457 (13.14)
CHE	86491	0.14	86370	540 (9.92)	532 (4.52)	532 (3.93)	519 (3.92)	449 (20.09)
TUR	481279	0.03	481137	453 (10.07)	435 (8.17)	411 (5.85)	396 (5.20)	320 (7.76)
GBR	698579	3.73	672529	548 (8.51)	520 (3.69)	507 (2.97)	493 (3.97)	426 (18.64)
USA	3147089	0.76	3123066	503 (8.13)	488 (4.12)	488 (3.08)	470 (3.24)	392 (14.77)
TOT	.	1.34	.	494 (3.38)	488 (1.64)	498 (1.17)	485 (1.24)	366 (4.95)
AVG	.	1.23	.	517 (2.14)	509 (1.00)	505 (0.69)	488 (0.77)	401 (3.74)
HKG	72484	0.21	72334	602 (8.25)	578 (4.42)	542 (4.72)	505 (6.99)	. (.)
IDN	1971476	0.00	1971403	360 (6.49)	361 (3.63)	370 (6.50)	358 (14.41)	290 (8.13)
LVA	33643	0.23	33565	499 (16.64)	495 (5.99)	481 (3.78)	476 (4.74)	419 (16.29)
LIE	338	.	338	. (.)	519 (14.28)	540 (7.99)	535 (8.34)	. (.)
MAC	6546	.	6546	567 (19.53)	547 (5.95)	518 (3.84)	503 (7.90)	. (.)
RUS	2153373	0.02	2152991	479 (10.84)	481 (5.52)	467 (4.15)	466 (5.43)	380 (7.87)
YUG	68596	0.55	68217	430 (8.37)	434 (5.35)	444 (3.63)	446 (4.70)	362 (8.92)
THA	637076	.	637076	435 (6.68)	413 (3.21)	419 (3.82)	435 (8.13)	. (.)
TUN	150875	0.07	150770	362 (3.00)	359 (2.95)	362 (4.55)	357 (6.24)	289 (8.34)
URY	33775	0.15	33724	446 (6.98)	431 (4.27)	426 (3.48)	412 (4.89)	322 (8.54)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I enjoy reading about Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	545 (6.57)	535 (2.77)	528 (2.39)	508 (3.39)	449 (14.14)
AUT	85931	1.08	85003	475 (12.84)	492 (5.73)	493 (3.65)	495 (3.71)	. (.)
BEL	111831	1.79	109825	522 (9.15)	528 (4.22)	522 (2.63)	499 (3.11)	347 (19.90)
CAN	330436	9.70	298375	556 (5.42)	538 (2.85)	524 (2.14)	500 (2.56)	487 (11.29)
CZE	121183	4.09	116221	533 (22.25)	552 (6.47)	525 (3.67)	529 (3.13)	446 (39.09)
DNK	51741	0.65	51406	513 (7.22)	495 (3.45)	465 (3.67)	436 (5.48)	409 (16.98)
FIN	57884	0.07	57845	592 (8.59)	574 (4.56)	551 (2.40)	530 (2.62)	518 (11.13)
FRA	734579	0.87	728167	529 (12.57)	530 (4.75)	517 (3.64)	487 (4.50)	449 (26.80)
DEU	884358	5.57	835070	492 (8.70)	519 (5.77)	517 (4.32)	508 (4.22)	397 (17.15)
GRC	105131	0.13	104991	509 (7.39)	496 (4.61)	473 (4.78)	458 (4.19)	393 (20.60)
HUN	107044	0.06	106984	499 (13.49)	507 (5.45)	499 (2.99)	512 (3.82)	427 (30.49)
ISL	3928	0.63	3903	524 (6.80)	514 (3.45)	497 (3.16)	473 (2.92)	. (.)
IRL	54850	1.03	54285	543 (8.66)	514 (3.95)	506 (3.28)	490 (3.88)	424 (20.13)
ITA	481521	0.20	480573	458 (11.08)	488 (4.38)	491 (3.51)	484 (4.00)	399 (21.75)
JPN	1240054	0.10	1238855	589 (12.24)	591 (7.84)	560 (4.28)	527 (4.51)	. (.)
KOR	533504	.	533504	592 (6.34)	580 (4.80)	530 (3.65)	499 (4.65)	. (.)
LUX	4080	0.10	4076	490 (9.89)	486 (5.10)	489 (2.38)	479 (2.45)	358 (19.87)
MEX	1071650	0.37	1067674	393 (5.84)	408 (3.90)	418 (3.54)	412 (5.59)	331 (6.64)
NLD	184943	3.14	179135	532 (12.06)	537 (5.67)	531 (3.45)	519 (4.24)	489 (21.20)
NZL	48638	0.91	48197	516 (9.22)	516 (3.78)	527 (2.84)	523 (4.01)	. (.)
NOR	52816	0.77	52407	538 (9.54)	522 (4.54)	496 (3.61)	448 (3.15)	407 (20.33)
POL	534900	.	534900	514 (8.24)	508 (3.58)	490 (3.47)	496 (5.04)	402 (19.81)
PRT	96857	0.23	96637	459 (11.20)	473 (4.36)	471 (3.44)	461 (5.87)	393 (13.17)
SVK	77067	0.04	77034	494 (17.02)	498 (5.32)	498 (3.46)	488 (5.42)	403 (25.39)
ESP	344372	0.07	344114	512 (7.63)	506 (3.64)	491 (3.16)	463 (3.49)	369 (24.93)
SWE	107104	0.27	106810	555 (6.80)	518 (3.47)	499 (3.89)	472 (3.70)	454 (18.86)
CHE	86491	0.14	86370	521 (10.82)	514 (4.67)	518 (4.29)	509 (4.71)	442 (19.15)
TUR	481279	0.03	481137	456 (8.79)	442 (7.24)	426 (5.80)	414 (4.76)	355 (8.32)
GBR	698579	3.73	672529	548 (9.46)	526 (4.15)	519 (3.19)	507 (4.34)	425 (20.47)
USA	3147089	0.76	3123066	502 (8.29)	492 (4.39)	497 (3.64)	485 (3.40)	397 (17.43)
TOT	.	1.34	.	493 (3.26)	492 (1.58)	505 (1.32)	496 (1.29)	378 (4.93)
AVG	.	1.23	.	508 (2.15)	504 (0.97)	505 (0.72)	493 (0.77)	402 (3.64)
HKG	72484	0.21	72334	572 (8.26)	558 (4.24)	535 (4.24)	507 (7.31)	. (.)
IDN	1971476	0.00	1971403	392 (5.51)	395 (3.05)	404 (5.03)	402 (12.41)	349 (7.70)
LVA	33643	0.23	33565	498 (16.59)	496 (5.63)	489 (4.19)	484 (5.45)	421 (14.64)
LIE	338	.	338	. (.)	501 (15.50)	532 (9.96)	526 (8.73)	. (.)
MAC	6546	.	6546	563 (19.29)	544 (5.92)	516 (4.34)	500 (7.69)	. (.)
RUS	2153373	0.02	2152991	495 (10.73)	499 (5.34)	488 (4.24)	495 (5.33)	396 (11.89)
YUG	68596	0.55	68217	416 (7.79)	429 (4.78)	441 (3.46)	453 (4.66)	394 (10.74)
THA	637076	.	637076	440 (5.81)	424 (2.75)	435 (3.81)	451 (9.38)	. (.)
TUN	150875	0.07	150770	383 (2.83)	384 (3.09)	393 (4.30)	393 (6.15)	323 (9.54)
URY	33775	0.15	33724	445 (8.30)	443 (4.98)	445 (4.11)	435 (4.91)	345 (7.11)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I enjoy reading about Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	554 (4.89)	542 (2.67)	533 (2.05)	509 (3.70)	458 (13.51)
AUT	85931	1.08	85003	509 (11.72)	518 (5.12)	510 (3.40)	503 (3.32)	. (.)
BEL	111831	1.79	109825	546 (7.42)	548 (4.18)	539 (2.58)	510 (2.99)	395 (13.61)
CAN	330436	9.70	298375	571 (4.82)	552 (2.43)	535 (1.82)	507 (2.21)	504 (8.59)
CZE	121183	4.09	116221	527 (21.08)	550 (6.08)	522 (3.50)	518 (3.00)	449 (38.61)
DNK	51741	0.65	51406	553 (5.43)	535 (3.02)	508 (3.03)	478 (4.08)	458 (16.73)
FIN	57884	0.07	57845	595 (8.71)	576 (4.00)	550 (2.14)	527 (2.52)	531 (9.37)
FRA	734579	0.87	728167	537 (9.74)	540 (4.39)	525 (3.19)	494 (3.94)	446 (22.35)
DEU	884358	5.57	835070	503 (8.42)	529 (5.47)	525 (3.81)	514 (3.74)	421 (14.84)
GRC	105131	0.13	104991	492 (6.52)	466 (5.04)	439 (4.17)	416 (4.23)	329 (18.59)
HUN	107044	0.06	106984	507 (13.28)	513 (5.59)	499 (3.15)	499 (3.57)	432 (24.85)
ISL	3928	0.63	3903	535 (6.63)	528 (2.91)	506 (2.89)	480 (2.77)	. (.)
IRL	54850	1.03	54285	542 (7.03)	512 (3.61)	499 (2.72)	479 (3.42)	400 (14.43)
ITA	481521	0.20	480573	457 (13.12)	476 (4.42)	476 (3.29)	457 (3.64)	360 (21.91)
JPN	1240054	0.10	1238855	598 (11.34)	592 (7.30)	562 (4.49)	523 (4.34)	. (.)
KOR	533504	.	533504	604 (5.58)	589 (4.09)	542 (3.16)	513 (3.75)	. (.)
LUX	4080	0.10	4076	501 (9.30)	497 (4.55)	500 (2.69)	488 (1.99)	409 (16.83)
MEX	1071650	0.37	1067674	369 (6.63)	386 (4.86)	403 (4.80)	396 (7.37)	293 (6.94)
NLD	184943	3.14	179135	536 (10.94)	536 (4.95)	528 (3.13)	509 (4.07)	487 (17.45)
NZL	48638	0.91	48197	545 (7.93)	534 (3.30)	537 (2.68)	525 (4.19)	. (.)
NOR	52816	0.77	52407	549 (10.48)	528 (4.18)	502 (3.48)	452 (2.98)	421 (17.79)
POL	534900	.	534900	496 (7.98)	496 (3.51)	482 (2.94)	481 (4.16)	364 (30.74)
PRT	96857	0.23	96637	472 (12.26)	476 (4.61)	474 (4.01)	454 (6.11)	422 (15.74)
SVK	77067	0.04	77034	499 (14.92)	501 (3.46)	493 (3.68)	480 (4.96)	418 (34.21)
ESP	344372	0.07	344114	509 (7.44)	503 (3.44)	486 (3.12)	456 (3.66)	375 (24.34)
SWE	107104	0.27	106810	556 (6.13)	523 (3.31)	501 (2.50)	471 (3.16)	468 (14.12)
CHE	86491	0.14	86370	527 (9.88)	521 (4.31)	527 (3.30)	518 (3.63)	433 (20.89)
TUR	481279	0.03	481137	434 (9.29)	419 (7.09)	399 (5.40)	383 (4.82)	294 (8.02)
GBR	698579	3.73	672529	543 (8.27)	519 (3.69)	510 (2.95)	495 (3.83)	436 (18.80)
USA	3147089	0.76	3123066	497 (8.20)	482 (4.31)	482 (3.43)	464 (3.45)	393 (17.58)
TOT	.	1.34	.	487 (3.36)	485 (1.70)	500 (1.38)	488 (1.31)	360 (5.65)
AVG	.	1.23	.	509 (2.12)	505 (1.02)	506 (0.72)	491 (0.75)	398 (3.93)
HKG	72484	0.21	72334	589 (8.47)	569 (4.28)	542 (4.30)	511 (6.70)	. (.)
IDN	1971476	0.00	1971403	357 (5.73)	362 (2.95)	373 (5.50)	367 (18.50)	304 (7.73)
LVA	33643	0.23	33565	489 (16.85)	494 (6.40)	480 (3.85)	479 (5.50)	381 (16.47)
LIE	338	.	338	. (.)	514 (13.54)	534 (7.60)	529 (8.23)	. (.)
MAC	6546	.	6546	559 (17.56)	548 (5.16)	526 (3.57)	514 (6.68)	. (.)
RUS	2153373	0.02	2152991	475 (11.57)	490 (5.90)	479 (4.44)	475 (6.89)	366 (10.38)
YUG	68596	0.55	68217	405 (8.06)	415 (4.72)	428 (3.41)	433 (4.48)	347 (9.92)
THA	637076	.	637076	448 (6.81)	421 (2.96)	427 (3.69)	437 (7.83)	. (.)
TUN	150875	0.07	150770	341 (3.02)	346 (2.62)	351 (4.25)	355 (6.09)	296 (8.98)
URY	33775	0.15	33724	426 (9.41)	419 (4.54)	415 (3.91)	406 (6.35)	298 (9.63)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Making an effort in Mathematics is worth it because it will help me in the work that I want to do later on.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.34	234787	28.33	(0.64)	53.86	(0.80)	12.87	(0.37)	4.08	(0.32)	0.86	(0.13)
AUT	85931	1.08	85003	21.94	(0.94)	41.47	(0.91)	24.36	(0.82)	11.01	(0.64)	1.23	(0.42)
BEL	111831	1.79	109825	16.13	(0.62)	47.90	(0.72)	23.18	(0.55)	10.05	(0.43)	2.73	(0.45)
CAN	330436	9.70	298375	29.05	(0.50)	49.18	(0.51)	13.94	(0.36)	5.79	(0.27)	2.04	(0.19)
CZE	121183	4.09	116221	17.07	(0.59)	56.74	(0.87)	20.78	(0.68)	4.54	(0.33)	0.87	(0.28)
DNK	51741	0.65	51406	39.40	(0.72)	49.77	(0.72)	7.05	(0.41)	1.96	(0.25)	1.83	(0.29)
FIN	57884	0.07	57845	18.88	(0.62)	52.70	(0.81)	21.20	(0.55)	5.28	(0.33)	1.95	(0.20)
FRA	734579	0.87	728167	26.17	(0.76)	46.23	(0.88)	18.12	(0.65)	8.10	(0.50)	1.38	(0.19)
DEU	884358	5.57	835070	26.99	(0.71)	45.04	(0.71)	21.03	(0.68)	5.69	(0.36)	1.25	(0.21)
GRC	105131	0.13	104991	24.42	(0.95)	49.15	(0.81)	19.19	(0.65)	6.15	(0.41)	1.10	(0.17)
HUN	107044	0.06	106984	17.31	(0.60)	61.35	(0.66)	15.87	(0.65)	4.65	(0.36)	0.82	(0.18)
ISL	3928	0.63	3903	34.88	(0.77)	47.25	(0.78)	12.02	(0.56)	5.09	(0.35)	0.76	(.)
IRL	54850	1.03	54285	25.64	(0.85)	53.60	(0.92)	14.65	(0.62)	4.96	(0.36)	1.15	(0.18)
ITA	481521	0.20	480573	17.72	(0.66)	50.50	(0.88)	22.74	(0.60)	8.24	(0.55)	0.81	(0.15)
JPN	1240054	0.10	1238855	12.37	(0.70)	36.74	(0.76)	32.66	(0.77)	17.68	(0.74)	0.56	(.)
KOR	533504	.	533504	13.03	(0.50)	43.49	(0.67)	31.75	(0.61)	11.45	(0.49)	0.28	(.)
LUX	4080	0.10	4076	18.35	(0.59)	32.88	(0.78)	30.00	(0.68)	17.13	(0.63)	1.64	(0.20)
MEX	1071650	0.37	1067674	43.89	(0.89)	46.70	(0.74)	3.25	(0.26)	1.29	(0.17)	4.87	(0.44)
NLD	184943	3.19	179043	14.45	(0.68)	55.13	(0.94)	21.63	(0.81)	7.67	(0.49)	1.11	(0.18)
NZL	48638	0.93	48186	27.94	(0.75)	56.80	(0.83)	11.63	(0.55)	3.06	(0.27)	0.58	(.)
NOR	52816	0.77	52407	29.07	(0.86)	52.09	(0.82)	11.63	(0.58)	5.67	(0.42)	1.54	(0.24)
POL	534900	.	534900	15.95	(0.63)	62.60	(0.86)	15.92	(0.65)	4.62	(0.37)	0.91	(0.18)
PRT	96857	0.23	96637	27.00	(0.84)	53.39	(0.84)	12.90	(0.60)	4.53	(0.37)	2.17	(0.27)
SVK	77067	0.04	77034	17.13	(0.57)	57.70	(1.07)	18.88	(0.81)	4.83	(0.36)	1.47	(0.56)
ESP	344372	0.07	344114	24.39	(0.66)	50.74	(0.64)	16.16	(0.55)	7.69	(0.40)	1.02	(0.14)
SWE	107104	0.27	106810	20.67	(0.68)	49.11	(0.84)	21.96	(0.56)	7.01	(0.41)	1.25	(0.17)
CHE	86491	0.14	86370	33.67	(0.88)	41.40	(0.68)	17.22	(0.56)	6.03	(0.42)	1.68	(0.23)
TUR	481279	0.03	481137	30.55	(1.02)	46.14	(1.14)	12.50	(0.59)	4.97	(0.43)	5.84	(0.77)
GBR	698579	3.73	672529	25.28	(0.71)	56.82	(0.81)	13.34	(0.57)	3.60	(0.28)	0.96	(0.16)
USA	3147089	0.76	3123066	25.55	(0.68)	54.34	(0.77)	14.12	(0.58)	4.70	(0.31)	1.29	(0.15)
TOT	.	1.34	.	24.53	(0.23)	49.71	(0.26)	17.44	(0.20)	6.69	(0.13)	1.64	(0.06)
AVG	.	1.23	.	24.10	(0.15)	50.02	(0.15)	17.76	(0.11)	6.59	(0.08)	1.53	(0.05)
HKG	72484	0.21	72334	14.14	(0.68)	60.08	(0.84)	20.79	(0.63)	4.85	(0.39)	0.13	(.)
IDN	1971476	0.00	1971403	34.34	(0.95)	57.07	(0.88)	4.73	(0.31)	0.68	(0.13)	3.18	(0.41)
LVA	33643	0.23	33565	20.43	(0.90)	60.67	(0.94)	15.53	(0.56)	2.63	(0.30)	0.74	(0.13)
LIE	338	.	338	31.89	(2.13)	44.37	(2.42)	17.45	(1.78)	4.77	(.)	1.52	(.)
MAC	6546	.	6546	16.54	(1.47)	62.24	(1.94)	17.49	(1.27)	3.59	(0.62)	0.14	(.)
RUS	2153373	0.02	2152991	21.10	(0.69)	54.27	(0.71)	18.73	(0.57)	3.37	(0.27)	2.53	(0.30)
YUG	68596	0.57	68202	19.45	(0.74)	49.59	(1.04)	18.58	(0.88)	7.06	(0.54)	5.31	(0.65)
THA	637076	.	637076	30.13	(0.90)	65.11	(0.89)	3.81	(0.32)	0.45	(.)	0.50	(.)
TUN	150875	0.07	150770	48.50	(1.04)	33.40	(0.82)	11.06	(0.51)	4.27	(0.35)	2.76	(0.28)
URY	33775	0.15	33724	32.43	(0.80)	47.34	(0.79)	12.55	(0.62)	4.07	(0.39)	3.61	(0.32)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Making an effort in Mathematics is worth it because it will help me in the work that I want to do later on.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	538 (2.52)	523 (2.26)	526 (3.95)	504 (7.59)	391 (14.73)
AUT	85931	1.08	85003	454 (4.11)	492 (3.50)	524 (4.26)	519 (6.28)	409 (40.07)
BEL	111831	1.79	109825	509 (5.12)	516 (2.74)	524 (3.15)	503 (5.59)	338 (22.74)
CAN	330436	9.70	298375	548 (2.33)	528 (1.81)	525 (2.74)	502 (4.83)	509 (7.37)
CZE	121183	4.09	116221	493 (4.34)	494 (2.99)	507 (4.32)	495 (8.18)	408 (29.78)
DNK	51741	0.65	51406	503 (3.30)	490 (3.34)	487 (7.19)	453 (9.81)	398 (14.61)
FIN	57884	0.07	57845	557 (3.19)	541 (1.91)	547 (2.69)	520 (7.09)	496 (9.27)
FRA	734579	0.87	728167	499 (3.82)	496 (3.33)	507 (3.82)	492 (7.28)	416 (18.10)
DEU	884358	5.57	835070	481 (4.36)	506 (3.76)	522 (4.35)	506 (8.55)	378 (17.03)
GRC	105131	0.13	104991	478 (4.89)	470 (4.97)	478 (4.93)	470 (6.79)	350 (22.61)
HUN	107044	0.06	106984	479 (4.92)	478 (2.68)	498 (5.17)	497 (8.83)	411 (24.33)
ISL	3928	0.63	3903	501 (3.28)	492 (2.55)	492 (4.85)	448 (8.31)	. (.)
IRL	54850	1.03	54285	517 (3.97)	513 (2.72)	528 (4.31)	514 (8.11)	419 (19.86)
ITA	481521	0.20	480573	469 (5.00)	478 (3.09)	484 (4.69)	468 (6.08)	381 (28.94)
JPN	1240054	0.10	1238855	522 (5.89)	506 (4.49)	500 (4.23)	468 (6.12)	. (.)
KOR	533504	.	533504	572 (4.12)	541 (3.25)	522 (3.75)	504 (4.76)	. (.)
LUX	4080	0.10	4076	456 (4.34)	476 (2.69)	495 (2.99)	493 (3.97)	380 (19.23)
MEX	1071650	0.37	1067674	407 (4.72)	405 (3.87)	394 (10.63)	371 (19.20)	298 (6.72)
NLD	184943	3.19	179043	506 (4.76)	520 (3.35)	522 (3.88)	514 (6.22)	485 (12.61)
NZL	48638	0.93	48186	532 (3.75)	521 (2.87)	519 (5.27)	504 (10.48)	. (.)
NOR	52816	0.77	52407	530 (4.06)	499 (2.73)	476 (5.80)	434 (8.70)	421 (19.70)
POL	534900	.	534900	507 (4.37)	495 (2.94)	497 (4.76)	502 (7.80)	368 (23.40)
PRT	96857	0.23	96637	496 (4.89)	475 (3.97)	472 (5.25)	452 (7.36)	418 (12.40)
SVK	77067	0.04	77034	467 (5.94)	469 (3.22)	479 (4.05)	476 (7.77)	358 (28.04)
ESP	344372	0.07	344114	495 (3.67)	483 (3.04)	474 (3.66)	448 (5.75)	339 (20.54)
SWE	107104	0.27	106810	524 (5.34)	512 (2.37)	520 (3.57)	497 (6.15)	465 (22.30)
CHE	86491	0.14	86370	480 (3.10)	503 (3.40)	522 (6.76)	530 (6.41)	432 (19.57)
TUR	481279	0.03	481137	461 (7.41)	443 (5.66)	436 (7.39)	425 (7.43)	345 (8.10)
GBR	698579	3.73	672529	513 (3.69)	504 (2.87)	513 (4.69)	500 (9.95)	403 (15.06)
USA	3147089	0.76	3123066	509 (4.41)	496 (3.38)	496 (4.81)	455 (6.32)	362 (17.28)
TOT	.	1.34	.	489 (1.69)	491 (1.31)	501 (1.60)	475 (2.35)	356 (5.39)
AVG	.	1.23	.	497 (0.92)	496 (0.71)	505 (0.93)	487 (1.44)	387 (4.49)
HKG	72484	0.21	72334	524 (4.28)	509 (4.15)	511 (4.34)	477 (8.51)	. (.)
IDN	1971476	0.00	1971403	380 (3.94)	387 (3.30)	383 (8.73)	347 (15.55)	300 (9.85)
LVA	33643	0.23	33565	506 (5.43)	488 (3.81)	489 (5.12)	475 (10.71)	412 (16.32)
LIE	338	.	338	497 (8.60)	533 (5.85)	552 (11.18)	. (.)	. (.)
MAC	6546	.	6546	500 (6.36)	495 (2.84)	501 (5.31)	514 (10.14)	. (.)
RUS	2153373	0.02	2152991	453 (4.76)	444 (3.82)	438 (5.26)	451 (10.51)	336 (12.84)
YUG	68596	0.57	68202	401 (4.58)	414 (3.55)	432 (5.04)	432 (5.92)	337 (11.40)
THA	637076	.	637076	429 (3.43)	417 (2.87)	413 (7.43)	. (.)	. (.)
TUN	150875	0.07	150770	378 (3.75)	374 (3.64)	378 (6.09)	374 (8.50)	303 (12.15)
URY	33775	0.15	33724	435 (5.20)	435 (3.75)	459 (6.48)	429 (9.38)	337 (11.41)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Making an effort in Mathematics is worth it because it will help me in the work that I want to do later on.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	545 (2.68)	521 (2.20)	514 (3.43)	487 (5.24)	424 (14.94)
AUT	85931	1.08	85003	490 (3.86)	509 (3.49)	523 (4.12)	508 (5.35)	418 (27.23)
BEL	111831	1.79	109825	542 (4.96)	542 (2.70)	537 (2.89)	507 (4.45)	381 (21.96)
CAN	330436	9.70	298375	561 (2.33)	530 (1.80)	522 (2.73)	495 (4.39)	516 (6.91)
CZE	121183	4.09	116221	532 (4.73)	522 (3.58)	524 (4.10)	501 (6.77)	448 (29.69)
DNK	51741	0.65	51406	536 (3.35)	506 (2.87)	496 (6.45)	458 (9.56)	419 (12.80)
FIN	57884	0.07	57845	584 (3.76)	542 (2.05)	530 (2.49)	498 (6.99)	513 (8.81)
FRA	734579	0.87	728167	528 (3.95)	512 (3.02)	505 (2.98)	484 (4.96)	455 (14.94)
DEU	884358	5.57	835070	506 (4.59)	515 (3.82)	520 (4.33)	496 (7.96)	408 (12.72)
GRC	105131	0.13	104991	469 (5.09)	442 (4.35)	434 (4.51)	428 (6.49)	344 (18.56)
HUN	107044	0.06	106984	498 (5.07)	487 (3.07)	498 (4.16)	491 (8.04)	414 (26.34)
ISL	3928	0.63	3903	531 (2.69)	512 (2.27)	509 (4.64)	464 (6.72)	. (.)
IRL	54850	1.03	54285	512 (3.75)	501 (2.53)	507 (4.06)	484 (7.34)	419 (17.02)
ITA	481521	0.20	480573	474 (4.97)	470 (3.30)	461 (4.17)	442 (4.80)	389 (22.38)
JPN	1240054	0.10	1238855	569 (6.16)	542 (4.73)	536 (3.90)	494 (5.67)	. (.)
KOR	533504	.	533504	599 (4.55)	551 (3.58)	524 (3.62)	497 (4.46)	. (.)
LUX	4080	0.10	4076	490 (3.67)	495 (2.24)	499 (2.64)	488 (2.84)	434 (13.27)
MEX	1071650	0.37	1067674	395 (4.19)	387 (3.54)	380 (8.16)	348 (13.30)	300 (7.29)
NLD	184943	3.19	179043	542 (5.81)	549 (3.46)	540 (4.14)	517 (6.71)	491 (12.11)
NZL	48638	0.93	48186	540 (3.96)	522 (2.67)	512 (4.71)	488 (8.66)	. (.)
NOR	52816	0.77	52407	533 (3.53)	491 (2.56)	464 (5.30)	431 (6.24)	420 (15.90)
POL	534900	.	534900	514 (4.29)	489 (2.65)	482 (3.54)	476 (6.11)	368 (16.88)
PRT	96857	0.23	96637	494 (4.86)	461 (3.58)	452 (4.36)	429 (7.67)	420 (10.55)
SVK	77067	0.04	77034	505 (6.62)	501 (3.40)	495 (4.18)	486 (7.24)	391 (30.26)
ESP	344372	0.07	344114	506 (3.39)	488 (2.56)	471 (3.31)	446 (4.52)	381 (20.11)
SWE	107104	0.27	106810	538 (5.30)	508 (2.62)	500 (3.33)	472 (5.46)	468 (22.43)
CHE	86491	0.14	86370	524 (3.33)	528 (3.43)	534 (6.63)	530 (6.07)	455 (22.87)
TUR	481279	0.03	481137	453 (8.81)	423 (6.60)	412 (7.12)	404 (6.63)	316 (7.03)
GBR	698579	3.73	672529	521 (3.65)	505 (2.95)	506 (4.14)	489 (7.15)	416 (17.08)
USA	3147089	0.76	3123066	500 (4.05)	482 (3.18)	483 (4.20)	431 (5.47)	385 (12.98)
TOT	.	1.34	.	495 (1.68)	490 (1.21)	501 (1.37)	471 (2.10)	368 (4.67)
AVG	.	1.23	.	512 (1.00)	501 (0.68)	503 (0.85)	480 (1.27)	400 (3.76)
HKG	72484	0.21	72334	580 (5.29)	550 (5.05)	545 (5.24)	494 (9.16)	. (.)
IDN	1971476	0.00	1971403	359 (4.17)	366 (4.08)	356 (10.63)	320 (13.95)	280 (7.20)
LVA	33643	0.23	33565	506 (5.62)	481 (3.92)	472 (4.56)	455 (9.72)	424 (17.47)
LIE	338	.	338	520 (9.78)	544 (6.78)	544 (12.74)	. (.)	. (.)
MAC	6546	.	6546	536 (8.07)	524 (3.72)	531 (7.62)	535 (15.15)	. (.)
RUS	2153373	0.02	2152991	487 (5.10)	469 (4.35)	458 (4.64)	467 (9.22)	382 (8.33)
YUG	68596	0.57	68202	432 (5.09)	441 (3.86)	451 (4.80)	439 (5.80)	363 (9.20)
THA	637076	.	637076	423 (3.89)	415 (3.02)	411 (7.34)	. (.)	. (.)
TUN	150875	0.07	150770	371 (3.12)	354 (2.95)	344 (4.48)	339 (6.24)	295 (7.38)
URY	33775	0.15	33724	428 (5.03)	424 (3.16)	434 (5.60)	408 (8.47)	327 (7.55)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Making an effort in Mathematics is worth it because it will help me in the work that I want to do later on.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	545 (2.70)	522 (2.27)	517 (3.67)	494 (5.89)	411 (15.07)
AUT	85931	1.08	85003	465 (4.06)	493 (3.68)	516 (3.93)	508 (5.68)	390 (27.36)
BEL	111831	1.79	109825	520 (4.95)	518 (2.61)	517 (3.42)	492 (5.00)	356 (19.38)
CAN	330436	9.70	298375	544 (2.62)	518 (2.19)	513 (3.35)	487 (5.09)	499 (9.07)
CZE	121183	4.09	116221	530 (5.02)	527 (3.66)	536 (4.17)	521 (8.76)	456 (32.16)
DNK	51741	0.65	51406	497 (3.74)	467 (3.27)	456 (6.84)	424 (11.18)	372 (14.20)
FIN	57884	0.07	57845	580 (3.90)	545 (2.26)	541 (2.74)	510 (7.05)	519 (11.00)
FRA	734579	0.87	728167	527 (4.67)	510 (3.84)	511 (3.91)	492 (6.61)	462 (18.85)
DEU	884358	5.57	835070	500 (4.83)	516 (4.01)	523 (5.11)	508 (9.64)	393 (15.08)
GRC	105131	0.13	104991	495 (5.30)	477 (4.17)	481 (4.87)	471 (6.13)	414 (17.50)
HUN	107044	0.06	106984	507 (5.65)	499 (2.80)	515 (4.59)	518 (8.71)	425 (27.97)
ISL	3928	0.63	3903	508 (2.85)	493 (2.39)	489 (5.13)	451 (8.02)	. (.)
IRL	54850	1.03	54285	509 (4.14)	503 (2.84)	514 (4.62)	499 (7.92)	429 (19.99)
ITA	481521	0.20	480573	486 (5.28)	488 (3.33)	489 (5.08)	479 (5.84)	406 (25.33)
JPN	1240054	0.10	1238855	580 (6.62)	558 (4.81)	546 (4.12)	511 (6.03)	. (.)
KOR	533504	.	533504	591 (4.99)	548 (3.98)	520 (4.10)	498 (5.17)	. (.)
LUX	4080	0.10	4076	473 (4.49)	484 (2.72)	491 (3.19)	482 (3.91)	404 (19.02)
MEX	1071650	0.37	1067674	415 (4.20)	405 (3.21)	395 (10.22)	374 (13.93)	332 (8.84)
NLD	184943	3.19	179043	520 (6.19)	534 (3.65)	529 (4.46)	510 (7.67)	470 (16.13)
NZL	48638	0.93	48186	533 (3.63)	520 (2.89)	515 (5.63)	501 (9.63)	. (.)
NOR	52816	0.77	52407	524 (4.19)	479 (3.21)	453 (6.05)	419 (7.72)	402 (18.70)
POL	534900	.	534900	518 (4.77)	495 (3.04)	495 (4.90)	492 (8.78)	383 (16.56)
PRT	96857	0.23	96637	488 (4.97)	464 (3.57)	462 (5.06)	447 (7.73)	404 (12.88)
SVK	77067	0.04	77034	499 (7.73)	496 (3.64)	497 (4.95)	497 (7.06)	376 (27.64)
ESP	344372	0.07	344114	510 (3.57)	489 (2.83)	473 (4.08)	451 (6.16)	358 (20.71)
SWE	107104	0.27	106810	530 (6.03)	504 (2.42)	501 (4.24)	478 (7.19)	458 (24.00)
CHE	86491	0.14	86370	506 (3.31)	515 (3.88)	525 (8.28)	525 (6.57)	451 (22.32)
TUR	481279	0.03	481137	457 (7.89)	433 (5.84)	426 (6.73)	420 (6.73)	354 (7.76)
GBR	698579	3.73	672529	529 (4.06)	516 (3.11)	519 (4.94)	505 (8.47)	414 (17.90)
USA	3147089	0.76	3123066	507 (4.30)	490 (3.40)	493 (4.59)	450 (6.57)	386 (15.44)
TOT	.	1.34	.	500 (1.66)	496 (1.23)	509 (1.56)	485 (2.22)	381 (5.32)
AVG	.	1.23	.	507 (0.95)	500 (0.66)	506 (0.95)	487 (1.34)	401 (3.97)
HKG	72484	0.21	72334	560 (5.11)	539 (4.72)	538 (4.75)	498 (8.64)	. (.)
IDN	1971476	0.00	1971403	395 (3.51)	399 (3.33)	393 (8.28)	373 (9.03)	337 (8.08)
LVA	33643	0.23	33565	507 (5.79)	487 (4.07)	483 (5.49)	467 (11.26)	413 (16.29)
LIE	338	.	338	509 (9.24)	529 (7.97)	546 (13.63)	. (.)	. (.)
MAC	6546	.	6546	536 (7.75)	522 (4.40)	525 (7.82)	526 (14.68)	. (.)
RUS	2153373	0.02	2152991	507 (5.51)	490 (4.14)	480 (5.47)	490 (10.55)	400 (13.22)
YUG	68596	0.57	68202	431 (4.64)	437 (3.71)	451 (5.34)	452 (5.60)	385 (12.12)
THA	637076	.	637076	436 (3.77)	427 (2.69)	425 (6.73)	. (.)	. (.)
TUN	150875	0.07	150770	394 (3.03)	381 (3.12)	376 (4.85)	371 (7.64)	321 (7.70)
URY	33775	0.15	33724	439 (5.00)	441 (3.20)	454 (5.29)	432 (7.51)	353 (9.94)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Making an effort in Mathematics is worth it because it will help me in the work that I want to do later on.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	549 (2.44)	527 (2.07)	521 (3.51)	495 (5.08)	426 (13.86)
AUT	85931	1.08	85003	489 (4.01)	510 (3.29)	525 (3.85)	509 (5.10)	414 (25.16)
BEL	111831	1.79	109825	537 (4.90)	536 (2.70)	532 (2.72)	501 (5.03)	399 (12.80)
CAN	330436	9.70	298375	558 (2.27)	529 (1.88)	520 (3.20)	493 (4.64)	515 (7.26)
CZE	121183	4.09	116221	528 (4.57)	522 (3.42)	525 (4.05)	505 (7.02)	452 (34.03)
DNK	51741	0.65	51406	536 (2.97)	510 (2.84)	500 (5.96)	463 (8.47)	420 (13.28)
FIN	57884	0.07	57845	581 (3.90)	544 (2.02)	538 (2.70)	506 (6.71)	529 (8.87)
FRA	734579	0.87	728167	534 (3.92)	520 (3.14)	515 (3.70)	496 (5.35)	462 (15.96)
DEU	884358	5.57	835070	511 (4.15)	523 (3.74)	529 (4.25)	511 (7.33)	420 (13.03)
GRC	105131	0.13	104991	467 (5.54)	446 (4.36)	444 (4.67)	428 (7.32)	352 (17.73)
HUN	107044	0.06	106984	510 (5.32)	497 (3.02)	510 (4.79)	497 (8.59)	436 (22.93)
ISL	3928	0.63	3903	521 (2.66)	502 (2.04)	500 (4.66)	458 (6.69)	. (.)
IRL	54850	1.03	54285	506 (3.80)	496 (2.44)	503 (3.75)	485 (6.95)	401 (16.60)
ITA	481521	0.20	480573	477 (4.94)	474 (3.28)	467 (4.39)	447 (5.29)	367 (26.70)
JPN	1240054	0.10	1238855	581 (6.34)	556 (4.78)	549 (3.91)	507 (5.91)	. (.)
KOR	533504	.	533504	596 (4.26)	559 (3.35)	536 (3.60)	513 (4.30)	. (.)
LUX	4080	0.10	4076	487 (3.94)	495 (2.65)	501 (2.64)	490 (3.12)	440 (14.37)
MEX	1071650	0.37	1067674	394 (4.85)	387 (4.31)	382 (9.86)	341 (17.11)	289 (8.39)
NLD	184943	3.19	179043	520 (5.70)	530 (3.51)	521 (4.37)	496 (7.40)	465 (14.05)
NZL	48638	0.93	48186	546 (3.58)	532 (2.63)	523 (5.10)	508 (8.96)	. (.)
NOR	52816	0.77	52407	527 (4.20)	486 (2.64)	462 (5.46)	420 (7.29)	419 (17.46)
POL	534900	.	534900	509 (4.43)	485 (2.71)	480 (4.15)	476 (7.45)	346 (27.55)
PRT	96857	0.23	96637	495 (4.93)	465 (4.24)	459 (4.92)	430 (7.20)	430 (11.85)
SVK	77067	0.04	77034	496 (6.99)	493 (3.61)	492 (3.96)	484 (7.83)	397 (30.73)
ESP	344372	0.07	344114	501 (3.59)	486 (3.12)	471 (3.91)	444 (4.82)	355 (21.38)
SWE	107104	0.27	106810	531 (4.92)	507 (2.35)	504 (3.68)	478 (5.21)	470 (21.41)
CHE	86491	0.14	86370	515 (3.33)	524 (3.00)	532 (5.96)	531 (5.76)	444 (22.04)
TUR	481279	0.03	481137	435 (7.77)	409 (5.71)	396 (7.20)	386 (5.95)	299 (6.89)
GBR	698579	3.73	672529	521 (3.66)	507 (2.89)	510 (4.32)	489 (7.40)	427 (15.66)
USA	3147089	0.76	3123066	495 (4.23)	476 (3.41)	477 (4.42)	423 (6.30)	391 (14.50)
TOT	.	1.34	.	493 (1.71)	490 (1.33)	505 (1.48)	476 (2.31)	364 (5.18)
AVG	.	1.23	.	510 (0.99)	501 (0.70)	505 (0.92)	482 (1.31)	397 (3.82)
HKG	72484	0.21	72334	572 (4.97)	547 (4.68)	547 (4.92)	503 (8.60)	. (.)
IDN	1971476	0.00	1971403	359 (3.59)	367 (3.47)	360 (9.63)	327 (12.37)	296 (7.48)
LVA	33643	0.23	33565	505 (6.00)	480 (4.06)	472 (5.08)	457 (10.63)	379 (15.07)
LIE	338	.	338	514 (8.79)	535 (6.35)	542 (11.86)	. (.)	. (.)
MAC	6546	.	6546	533 (7.01)	530 (3.33)	538 (6.70)	545 (13.14)	. (.)
RUS	2153373	0.02	2152991	498 (5.93)	481 (4.55)	466 (5.08)	471 (9.54)	369 (12.06)
YUG	68596	0.57	68202	414 (4.76)	425 (3.48)	436 (4.62)	423 (6.89)	347 (10.08)
THA	637076	.	637076	435 (3.73)	421 (2.90)	415 (9.17)	. (.)	. (.)
TUN	150875	0.07	150770	352 (2.92)	342 (2.83)	336 (4.53)	337 (6.98)	292 (9.20)
URY	33775	0.15	33724	415 (5.56)	411 (3.64)	432 (7.43)	397 (12.13)	306 (9.67)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I look forward to my Mathematics lessons.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234787	5.60 (0.27)	30.58 (0.70)	42.93 (0.56)	19.49 (0.57)	1.40 (0.13)
AUT	85931	1.08	85003	7.12 (0.45)	23.37 (0.68)	36.45 (0.79)	31.73 (1.05)	1.32 (0.47)
BEL	111831	1.79	109825	3.83 (0.25)	18.56 (0.66)	44.57 (0.69)	30.06 (0.71)	2.97 (0.45)
CAN	330436	9.70	298375	7.14 (0.40)	25.98 (0.43)	41.06 (0.47)	23.56 (0.47)	2.26 (0.19)
CZE	121183	4.09	116221	3.78 (0.29)	26.11 (0.75)	49.78 (0.88)	19.23 (0.73)	1.10 (0.35)
DNK	51741	0.65	51406	9.74 (0.53)	36.20 (0.83)	37.88 (0.88)	13.04 (0.59)	3.13 (0.35)
FIN	57884	0.07	57845	2.51 (0.21)	17.19 (0.64)	49.92 (0.71)	28.21 (0.77)	2.16 (0.21)
FRA	734579	0.87	728167	4.16 (0.26)	19.42 (0.71)	45.83 (0.81)	28.95 (0.89)	1.64 (0.25)
DEU	884358	5.57	835070	14.24 (0.46)	25.02 (0.72)	33.57 (0.79)	25.70 (0.96)	1.48 (0.23)
GRC	105131	0.13	104991	5.76 (0.43)	21.06 (0.85)	45.35 (0.88)	26.44 (0.96)	1.39 (0.22)
HUN	107044	0.06	106984	3.53 (0.27)	20.06 (0.74)	48.77 (0.88)	26.83 (0.87)	0.80 (0.15)
ISL	3928	0.63	3903	3.96 (0.36)	19.82 (0.70)	42.85 (0.86)	32.35 (0.82)	1.02 (0.17)
IRL	54850	1.03	54285	4.81 (0.39)	26.98 (0.82)	44.12 (0.76)	22.70 (0.74)	1.39 (0.22)
ITA	481521	0.20	480573	4.85 (0.30)	22.89 (0.74)	43.80 (0.71)	27.39 (0.97)	1.07 (0.16)
JPN	1240054	0.10	1238855	5.97 (0.37)	19.81 (0.69)	42.92 (0.75)	30.61 (1.02)	0.69 (0.19)
KOR	533504	.	533504	3.88 (0.32)	18.09 (0.58)	50.98 (0.65)	26.80 (0.69)	0.25 (.)
LUX	4080	0.10	4076	8.73 (0.44)	20.67 (0.62)	33.82 (0.83)	35.45 (0.70)	1.33 (0.20)
MEX	1071650	0.37	1067674	8.09 (0.41)	38.13 (0.83)	38.58 (0.82)	8.23 (0.46)	6.96 (0.62)
NLD	184943	3.19	179043	2.61 (0.29)	16.70 (0.82)	51.87 (1.01)	27.55 (0.93)	1.27 (0.19)
NZL	48638	0.98	48163	6.68 (0.39)	34.20 (0.90)	39.81 (0.78)	17.87 (0.74)	1.45 (0.19)
NOR	52816	0.77	52407	5.39 (0.41)	22.84 (0.82)	38.18 (0.78)	31.55 (0.81)	2.04 (0.26)
POL	534900	.	534900	5.60 (0.34)	24.35 (0.82)	48.09 (0.87)	20.83 (0.76)	1.12 (0.23)
PRT	96857	0.23	96637	2.87 (0.27)	23.47 (0.82)	48.78 (0.87)	22.21 (0.73)	2.67 (0.28)
SVK	77067	0.04	77034	4.15 (0.28)	29.38 (0.83)	45.68 (0.83)	19.03 (0.65)	1.77 (0.54)
ESP	344372	0.07	344114	3.18 (0.24)	16.94 (0.56)	45.03 (0.72)	33.24 (0.76)	1.61 (0.19)
SWE	107104	0.27	106810	4.96 (0.35)	24.60 (0.78)	44.59 (0.79)	23.91 (0.85)	1.94 (0.22)
CHE	86491	0.14	86370	10.28 (0.52)	29.89 (0.57)	34.93 (0.67)	22.47 (0.56)	2.43 (0.24)
TUR	481279	0.03	481137	15.17 (0.87)	31.46 (1.03)	33.38 (0.89)	13.79 (0.82)	6.20 (0.72)
GBR	698579	3.73	672529	5.01 (0.33)	29.67 (0.84)	44.16 (0.87)	19.67 (0.62)	1.48 (0.21)
USA	3147089	0.76	3123066	9.70 (0.44)	30.24 (0.70)	40.31 (0.84)	18.49 (0.77)	1.26 (0.15)
TOT	.	1.34	.	7.58 (0.14)	26.50 (0.24)	41.94 (0.28)	21.97 (0.27)	2.00 (0.08)
AVG	.	1.23	.	6.10 (0.07)	24.78 (0.14)	42.94 (0.15)	24.25 (0.15)	1.92 (0.06)
HKG	72484	0.21	72334	7.86 (0.38)	37.06 (0.83)	42.60 (0.80)	12.23 (0.52)	0.25 (.)
IDN	1971476	0.00	1971403	7.17 (0.46)	54.34 (1.07)	31.84 (1.00)	1.80 (0.34)	4.85 (0.41)
LVA	33643	0.23	33565	2.19 (0.23)	19.81 (0.99)	59.30 (0.82)	17.64 (0.73)	1.06 (0.17)
LIE	338	.	338	10.29 (1.45)	30.13 (2.56)	35.87 (2.36)	22.51 (1.82)	1.20 (.)
MAC	6546	.	6546	4.65 (0.59)	30.42 (1.63)	50.81 (1.74)	13.45 (1.21)	0.68 (.)
RUS	2153373	0.02	2152991	6.39 (0.44)	33.90 (1.07)	47.67 (1.09)	9.39 (0.64)	2.66 (0.31)
YUG	68596	0.57	68202	3.85 (0.37)	14.61 (0.65)	47.99 (0.98)	26.37 (1.05)	7.18 (0.68)
THA	637076	.	637076	6.24 (0.34)	59.33 (0.92)	31.28 (0.95)	2.26 (0.25)	0.90 (0.16)
TUN	150875	0.07	150770	26.21 (0.80)	34.76 (0.73)	24.67 (0.83)	11.44 (0.59)	2.92 (0.29)
URY	33775	0.15	33724	12.79 (0.52)	35.17 (0.89)	32.79 (0.83)	13.76 (0.68)	5.49 (0.47)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I look forward to my Mathematics lessons.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	520 (4.68)	532 (2.64)	528 (2.20)	521 (3.40)	438 (10.23)
AUT	85931	1.08	85003	466 (8.78)	487 (4.91)	496 (3.95)	502 (4.01)	451 (24.47)
BEL	111831	1.79	109825	484 (8.82)	514 (4.05)	520 (2.57)	513 (3.54)	350 (23.94)
CAN	330436	9.70	298375	536 (4.26)	538 (2.26)	531 (1.98)	525 (2.28)	509 (7.06)
CZE	121183	4.09	116221	492 (8.91)	507 (3.67)	495 (2.89)	489 (4.18)	416 (25.59)
DNK	51741	0.65	51406	487 (6.33)	498 (3.29)	497 (3.57)	482 (5.36)	445 (13.13)
FIN	57884	0.07	57845	552 (9.35)	551 (3.41)	548 (1.96)	533 (2.64)	504 (8.64)
FRA	734579	0.87	728167	475 (8.26)	499 (4.91)	502 (2.96)	497 (3.53)	398 (20.37)
DEU	884358	5.57	835070	485 (5.57)	507 (4.64)	509 (3.82)	501 (5.10)	385 (15.48)
GRC	105131	0.13	104991	484 (10.36)	477 (6.10)	474 (4.38)	470 (4.48)	366 (22.69)
HUN	107044	0.06	106984	474 (8.77)	477 (5.08)	481 (2.93)	490 (3.46)	412 (20.68)
ISL	3928	0.63	3903	478 (9.61)	505 (4.06)	500 (3.10)	478 (3.17)	449 (24.93)
IRL	54850	1.03	54285	522 (7.16)	521 (3.82)	517 (2.93)	509 (3.32)	420 (19.74)
ITA	481521	0.20	480573	449 (9.31)	470 (4.47)	480 (3.49)	481 (3.64)	397 (20.83)
JPN	1240054	0.10	1238855	502 (8.36)	517 (5.32)	506 (4.11)	479 (5.11)	331 (27.49)
KOR	533504	.	533504	552 (8.79)	554 (4.34)	536 (3.27)	516 (3.72)	. (.)
LUX	4080	0.10	4076	452 (6.57)	471 (3.51)	487 (2.76)	488 (2.45)	382 (21.45)
MEX	1071650	0.37	1067674	369 (7.99)	397 (4.50)	419 (4.15)	432 (5.39)	306 (6.73)
NLD	184943	3.19	179043	473 (10.76)	508 (5.53)	521 (3.12)	521 (3.63)	496 (14.95)
NZL	48638	0.98	48163	503 (7.21)	516 (3.74)	530 (3.13)	533 (4.43)	469 (14.41)
NOR	52816	0.77	52407	509 (8.42)	529 (3.84)	509 (3.24)	471 (3.61)	447 (19.09)
POL	534900	.	534900	494 (6.10)	495 (4.34)	498 (3.01)	503 (3.97)	367 (20.51)
PRT	96857	0.23	96637	434 (10.48)	453 (6.09)	491 (3.60)	488 (3.75)	418 (11.25)
SVK	77067	0.04	77034	461 (9.55)	471 (4.12)	472 (3.48)	470 (4.29)	388 (20.50)
ESP	344372	0.07	344114	472 (8.72)	487 (4.54)	488 (2.87)	473 (3.32)	384 (19.24)
SWE	107104	0.27	106810	515 (8.93)	523 (4.93)	518 (2.87)	504 (3.15)	458 (16.30)
CHE	86491	0.14	86370	475 (5.21)	497 (3.50)	507 (3.90)	507 (5.54)	449 (11.29)
TUR	481279	0.03	481137	451 (10.28)	450 (7.25)	447 (6.03)	440 (5.06)	344 (6.52)
GBR	698579	3.73	672529	502 (8.34)	506 (4.01)	512 (2.96)	501 (3.79)	443 (16.00)
USA	3147089	0.76	3123066	488 (6.71)	491 (4.20)	504 (3.31)	498 (3.80)	375 (17.90)
TOT	.	1.34	.	476 (2.74)	485 (1.71)	497 (1.19)	492 (1.34)	363 (5.12)
AVG	.	1.23	.	481 (1.65)	495 (0.95)	501 (0.66)	495 (0.71)	401 (3.85)
HKG	72484	0.21	72334	522 (5.30)	518 (3.53)	508 (4.38)	487 (6.56)	. (.)
IDN	1971476	0.00	1971403	364 (5.51)	381 (3.35)	396 (4.03)	406 (14.68)	316 (8.89)
LVA	33643	0.23	33565	480 (12.94)	493 (6.18)	490 (3.64)	497 (5.27)	424 (16.01)
LIE	338	.	338	491 (17.49)	518 (9.00)	524 (7.43)	552 (9.55)	. (.)
MAC	6546	.	6546	497 (9.71)	501 (4.24)	499 (3.24)	489 (5.82)	. (.)
RUS	2153373	0.02	2152991	447 (7.15)	453 (4.54)	440 (3.62)	444 (7.03)	336 (12.44)
YUG	68596	0.57	68202	378 (8.37)	394 (4.81)	417 (3.59)	437 (4.21)	340 (8.90)
THA	637076	.	637076	430 (6.03)	415 (2.83)	426 (3.88)	449 (11.35)	360 (18.64)
TUN	150875	0.07	150770	367 (3.89)	372 (3.60)	389 (4.04)	386 (5.44)	311 (10.00)
URY	33775	0.15	33724	448 (6.92)	438 (3.93)	441 (3.80)	431 (6.80)	342 (8.90)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I look forward to my Mathematics lessons.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	539 (4.98)	540 (2.45)	525 (2.28)	501 (3.29)	460 (10.16)
AUT	85931	1.08	85003	512 (8.11)	518 (4.16)	509 (3.90)	498 (3.79)	461 (13.57)
BEL	111831	1.79	109825	523 (8.72)	547 (4.06)	545 (2.49)	521 (2.97)	395 (22.73)
CAN	330436	9.70	298375	563 (3.85)	551 (2.29)	534 (1.98)	515 (1.96)	519 (7.00)
CZE	121183	4.09	116221	544 (9.34)	547 (4.04)	519 (3.45)	498 (3.85)	452 (24.59)
DNK	51741	0.65	51406	536 (6.06)	530 (3.21)	512 (3.38)	476 (5.27)	469 (12.39)
FIN	57884	0.07	57845	592 (9.16)	571 (3.71)	550 (2.06)	516 (2.58)	520 (8.31)
FRA	734579	0.87	728167	515 (7.51)	529 (5.03)	518 (2.61)	495 (3.35)	437 (17.70)
DEU	884358	5.57	835070	518 (5.12)	528 (4.32)	515 (3.71)	491 (5.20)	416 (11.97)
GRC	105131	0.13	104991	486 (7.71)	469 (5.35)	445 (4.45)	421 (3.55)	366 (16.77)
HUN	107044	0.06	106984	505 (9.81)	499 (5.26)	488 (3.25)	487 (3.46)	433 (21.61)
ISL	3928	0.63	3903	530 (8.42)	541 (3.38)	525 (2.22)	486 (2.59)	474 (21.93)
IRL	54850	1.03	54285	529 (6.89)	514 (3.76)	505 (2.54)	485 (3.41)	421 (17.15)
ITA	481521	0.20	480573	465 (7.30)	470 (3.86)	470 (3.61)	458 (3.54)	399 (15.10)
JPN	1240054	0.10	1238855	562 (8.65)	561 (5.87)	542 (4.03)	503 (4.42)	424 (23.70)
KOR	533504	.	533504	588 (7.97)	576 (4.42)	545 (3.54)	509 (3.47)	. (.)
LUX	4080	0.10	4076	488 (5.59)	497 (3.52)	501 (2.44)	487 (2.20)	449 (14.80)
MEX	1071650	0.37	1067674	371 (7.68)	387 (3.99)	398 (3.88)	403 (4.53)	302 (6.00)
NLD	184943	3.19	179043	519 (13.32)	546 (5.91)	550 (3.18)	532 (4.00)	511 (13.36)
NZL	48638	0.98	48163	531 (7.92)	530 (3.38)	528 (2.83)	511 (3.81)	467 (13.02)
NOR	52816	0.77	52407	535 (7.05)	535 (3.60)	503 (3.06)	454 (2.71)	445 (15.23)
POL	534900	.	534900	513 (6.69)	502 (4.30)	489 (2.53)	480 (3.47)	375 (16.49)
PRT	96857	0.23	96637	444 (9.93)	455 (5.42)	477 (3.32)	464 (3.40)	419 (10.89)
SVK	77067	0.04	77034	507 (10.46)	510 (3.92)	497 (3.54)	488 (4.53)	415 (22.92)
ESP	344372	0.07	344114	499 (8.10)	500 (4.42)	493 (2.55)	469 (2.83)	414 (17.35)
SWE	107104	0.27	106810	540 (8.78)	530 (5.50)	512 (2.66)	481 (2.74)	460 (15.40)
CHE	86491	0.14	86370	530 (5.09)	535 (3.74)	530 (4.27)	513 (4.83)	483 (9.28)
TUR	481279	0.03	481137	449 (11.25)	439 (8.29)	425 (7.20)	405 (5.11)	315 (5.58)
GBR	698579	3.73	672529	523 (6.47)	515 (3.73)	510 (2.78)	492 (4.19)	458 (15.56)
USA	3147089	0.76	3123066	490 (6.42)	482 (4.03)	490 (2.96)	473 (3.20)	396 (12.37)
TOT	.	1.34	.	494 (2.83)	492 (1.56)	497 (1.07)	483 (1.21)	373 (4.99)
AVG	.	1.23	.	509 (1.68)	511 (0.86)	506 (0.65)	487 (0.72)	413 (3.76)
HKG	72484	0.21	72334	589 (6.35)	566 (4.44)	544 (5.20)	502 (6.62)	. (.)
IDN	1971476	0.00	1971403	349 (6.19)	361 (3.99)	371 (5.12)	374 (13.90)	292 (5.86)
LVA	33643	0.23	33565	494 (12.34)	497 (6.20)	481 (3.66)	479 (5.30)	429 (19.21)
LIE	338	.	338	524 (22.37)	539 (10.75)	529 (8.49)	544 (10.98)	. (.)
MAC	6546	.	6546	553 (14.98)	539 (6.62)	525 (4.23)	504 (9.01)	. (.)
RUS	2153373	0.02	2152991	490 (6.77)	484 (5.11)	461 (4.00)	459 (5.66)	380 (8.51)
YUG	68596	0.57	68202	423 (8.72)	426 (5.49)	445 (4.04)	452 (4.13)	363 (7.53)
THA	637076	.	637076	435 (6.94)	415 (3.18)	418 (3.49)	436 (10.33)	373 (16.61)
TUN	150875	0.07	150770	369 (3.46)	359 (2.94)	360 (3.73)	347 (4.56)	301 (7.13)
URY	33775	0.15	33724	453 (5.63)	435 (3.71)	421 (3.99)	403 (5.46)	327 (5.96)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I look forward to my Mathematics lessons.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	529 (5.04)	536 (2.63)	526 (2.30)	511 (2.99)	454 (10.33)
AUT	85931	1.08	85003	480 (7.76)	497 (4.63)	495 (3.94)	493 (3.76)	439 (17.18)
BEL	111831	1.79	109825	496 (9.93)	521 (3.99)	522 (2.40)	506 (3.30)	367 (20.01)
CAN	330436	9.70	298375	539 (4.58)	535 (2.72)	522 (2.27)	507 (2.59)	500 (7.32)
CZE	121183	4.09	116221	533 (10.54)	547 (4.39)	526 (3.49)	514 (4.28)	452 (26.72)
DNK	51741	0.65	51406	490 (7.24)	489 (3.51)	475 (3.47)	446 (6.08)	419 (13.93)
FIN	57884	0.07	57845	577 (11.31)	569 (3.83)	553 (2.62)	526 (3.09)	526 (10.08)
FRA	734579	0.87	728167	511 (9.27)	522 (6.52)	518 (3.39)	502 (3.77)	440 (22.32)
DEU	884358	5.57	835070	510 (5.81)	524 (4.75)	516 (4.02)	499 (5.42)	400 (14.84)
GRC	105131	0.13	104991	508 (8.70)	495 (5.53)	482 (4.40)	466 (4.14)	417 (15.93)
HUN	107044	0.06	106984	503 (10.36)	502 (5.68)	502 (3.22)	509 (3.67)	443 (21.58)
ISL	3928	0.63	3903	502 (7.59)	512 (4.28)	504 (2.41)	473 (3.00)	455 (19.94)
IRL	54850	1.03	54285	520 (7.96)	512 (4.13)	506 (3.19)	496 (3.62)	426 (19.02)
ITA	481521	0.20	480573	468 (9.13)	481 (4.66)	491 (3.78)	490 (3.93)	415 (20.70)
JPN	1240054	0.10	1238855	563 (9.39)	573 (6.21)	555 (4.45)	522 (4.84)	404 (23.14)
KOR	533504	.	533504	566 (9.62)	566 (4.89)	541 (3.87)	512 (4.29)	. (.)
LUX	4080	0.10	4076	471 (6.62)	485 (4.28)	490 (2.67)	481 (2.50)	405 (18.87)
MEX	1071650	0.37	1067674	392 (7.59)	405 (3.89)	417 (3.61)	423 (4.10)	330 (6.61)
NLD	184943	3.19	179043	489 (14.31)	524 (6.51)	534 (3.46)	525 (4.49)	492 (17.36)
NZL	48638	0.98	48163	509 (7.94)	519 (3.61)	528 (3.15)	524 (4.19)	471 (17.78)
NOR	52816	0.77	52407	514 (8.27)	522 (4.19)	493 (3.56)	446 (3.42)	430 (18.54)
POL	534900	.	534900	519 (8.08)	505 (4.27)	496 (3.21)	495 (4.17)	388 (17.46)
PRT	96857	0.23	96637	431 (10.55)	450 (5.43)	479 (3.45)	477 (3.56)	402 (11.50)
SVK	77067	0.04	77034	493 (12.04)	500 (5.04)	496 (3.76)	492 (4.65)	402 (20.67)
ESP	344372	0.07	344114	493 (9.71)	500 (4.76)	495 (2.95)	475 (3.35)	396 (18.87)
SWE	107104	0.27	106810	522 (10.17)	520 (5.90)	510 (3.21)	487 (3.41)	448 (18.11)
CHE	86491	0.14	86370	506 (5.58)	518 (3.91)	520 (4.58)	503 (6.99)	472 (11.14)
TUR	481279	0.03	481137	449 (10.15)	444 (7.58)	438 (6.38)	424 (5.11)	353 (6.75)
GBR	698579	3.73	672529	524 (8.01)	523 (4.02)	522 (3.25)	506 (4.50)	460 (17.20)
USA	3147089	0.76	3123066	491 (6.81)	488 (4.04)	499 (3.32)	489 (3.84)	403 (16.14)
TOT	.	1.34	.	493 (2.77)	495 (1.61)	504 (1.12)	495 (1.28)	385 (4.81)
AVG	.	1.23	.	498 (1.80)	505 (0.87)	506 (0.65)	493 (0.75)	413 (3.62)
HKG	72484	0.21	72334	565 (5.98)	550 (4.28)	536 (4.74)	506 (7.03)	. (.)
IDN	1971476	0.00	1971403	389 (4.91)	394 (3.32)	404 (4.18)	414 (12.07)	349 (6.00)
LVA	33643	0.23	33565	491 (12.91)	500 (6.19)	488 (3.97)	486 (5.00)	420 (16.69)
LIE	338	.	338	512 (22.06)	526 (12.02)	518 (8.57)	539 (10.42)	. (.)
MAC	6546	.	6546	556 (11.43)	538 (5.93)	522 (4.83)	502 (8.06)	. (.)
RUS	2153373	0.02	2152991	502 (7.31)	502 (4.98)	485 (3.97)	487 (6.33)	393 (11.19)
YUG	68596	0.57	68202	406 (8.35)	422 (4.82)	440 (3.63)	458 (4.34)	388 (9.35)
THA	637076	.	637076	441 (6.29)	425 (2.88)	434 (3.18)	456 (13.12)	380 (16.20)
TUN	150875	0.07	150770	388 (3.70)	383 (3.15)	390 (3.50)	385 (4.98)	329 (7.89)
URY	33775	0.15	33724	457 (6.05)	447 (3.46)	440 (3.74)	429 (5.03)	351 (6.58)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I look forward to my Mathematics lessons.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	540 (5.11)	542 (2.58)	531 (2.17)	511 (3.04)	463 (9.19)
AUT	85931	1.08	85003	512 (7.44)	518 (4.42)	510 (3.66)	499 (3.66)	457 (13.31)
BEL	111831	1.79	109825	522 (8.31)	541 (3.98)	539 (2.49)	516 (3.01)	411 (14.54)
CAN	330436	9.70	298375	559 (3.92)	548 (2.35)	532 (1.91)	514 (2.11)	514 (6.84)
CZE	121183	4.09	116221	537 (9.53)	545 (3.92)	519 (3.18)	501 (4.00)	455 (27.31)
DNK	51741	0.65	51406	533 (5.63)	530 (3.02)	515 (3.45)	487 (4.83)	470 (13.24)
FIN	57884	0.07	57845	590 (9.31)	569 (3.64)	553 (2.10)	523 (2.59)	534 (8.49)
FRA	734579	0.87	728167	522 (7.41)	535 (4.93)	526 (2.78)	505 (3.53)	451 (19.01)
DEU	884358	5.57	835070	521 (4.80)	532 (4.04)	524 (3.89)	504 (4.91)	428 (11.84)
GRC	105131	0.13	104991	488 (8.84)	470 (5.85)	449 (4.09)	426 (4.21)	366 (15.74)
HUN	107044	0.06	106984	518 (9.53)	508 (5.59)	500 (3.26)	497 (3.45)	444 (22.60)
ISL	3928	0.63	3903	517 (7.85)	527 (3.45)	513 (2.45)	481 (2.48)	449 (23.77)
IRL	54850	1.03	54285	520 (6.76)	510 (3.45)	500 (2.50)	482 (3.03)	408 (15.40)
ITA	481521	0.20	480573	464 (8.88)	474 (4.47)	475 (3.63)	463 (3.45)	375 (19.15)
JPN	1240054	0.10	1238855	576 (8.74)	576 (5.68)	555 (3.97)	516 (4.71)	398 (34.51)
KOR	533504	.	533504	584 (7.89)	576 (4.71)	553 (3.30)	525 (3.48)	. (.)
LUX	4080	0.10	4076	486 (5.92)	496 (3.90)	500 (2.30)	489 (2.10)	453 (15.88)
MEX	1071650	0.37	1067674	366 (8.68)	385 (4.64)	400 (4.66)	407 (5.64)	294 (6.78)
NLD	184943	3.19	179043	494 (13.04)	524 (5.79)	530 (3.30)	513 (4.06)	487 (15.36)
NZL	48638	0.98	48163	535 (7.05)	535 (3.29)	537 (2.86)	528 (4.14)	483 (12.64)
NOR	52816	0.77	52407	523 (9.38)	529 (3.74)	499 (3.17)	450 (3.09)	444 (16.27)
POL	534900	.	534900	503 (6.57)	494 (4.49)	486 (2.66)	482 (3.59)	353 (23.50)
PRT	96857	0.23	96637	444 (10.05)	454 (5.87)	482 (3.85)	470 (4.13)	426 (12.23)
SVK	77067	0.04	77034	497 (11.61)	503 (3.71)	491 (3.76)	482 (4.56)	420 (23.64)
ESP	344372	0.07	344114	493 (8.80)	496 (4.40)	490 (2.73)	467 (3.14)	400 (18.32)
SWE	107104	0.27	106810	525 (8.90)	526 (5.03)	512 (2.76)	486 (2.90)	457 (15.27)
CHE	86491	0.14	86370	517 (5.02)	527 (3.50)	526 (4.04)	513 (4.20)	476 (10.73)
TUR	481279	0.03	481137	431 (10.36)	422 (7.24)	409 (6.29)	394 (4.54)	296 (5.85)
GBR	698579	3.73	672529	521 (7.02)	516 (3.70)	513 (2.93)	494 (3.88)	464 (15.83)
USA	3147089	0.76	3123066	485 (6.84)	477 (4.24)	484 (3.12)	467 (3.65)	397 (15.68)
TOT	.	1.34	.	491 (2.90)	490 (1.70)	498 (1.15)	486 (1.24)	367 (5.34)
AVG	.	1.23	.	504 (1.67)	509 (0.92)	506 (0.67)	489 (0.69)	410 (3.77)
HKG	72484	0.21	72334	580 (6.14)	561 (4.18)	543 (4.79)	508 (6.44)	. (.)
IDN	1971476	0.00	1971403	348 (6.34)	360 (3.41)	373 (4.37)	379 (15.59)	306 (6.20)
LVA	33643	0.23	33565	491 (13.65)	497 (6.63)	480 (3.68)	479 (5.53)	397 (19.09)
LIE	338	.	338	516 (19.94)	532 (9.89)	522 (8.03)	542 (11.39)	. (.)
MAC	6546	.	6546	542 (14.35)	544 (5.95)	531 (4.04)	512 (7.69)	. (.)
RUS	2153373	0.02	2152991	493 (8.51)	494 (5.63)	474 (4.13)	469 (6.86)	363 (10.32)
YUG	68596	0.57	68202	397 (9.23)	409 (5.14)	428 (3.62)	436 (3.86)	347 (8.59)
THA	637076	.	637076	447 (7.18)	423 (3.09)	425 (3.14)	446 (9.57)	352 (19.80)
TUN	150875	0.07	150770	348 (3.27)	344 (2.83)	348 (3.41)	345 (4.35)	298 (6.70)
URY	33775	0.15	33724	435 (7.41)	421 (4.28)	413 (4.36)	394 (5.82)	310 (7.62)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I do Mathematics because I enjoy it.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.34	234787	6.53	(0.33)	28.78	(0.87)	44.18	(0.73)	19.22	(0.50)	1.29	(0.14)
AUT	85931	1.08	85003	7.78	(0.41)	19.62	(0.68)	36.05	(0.73)	35.28	(0.93)	1.28	(0.43)
BEL	111831	1.79	109825	6.91	(0.38)	25.42	(0.60)	38.25	(0.69)	26.34	(0.63)	3.08	(0.43)
CAN	330436	9.70	298375	9.20	(0.39)	26.59	(0.46)	38.62	(0.50)	23.66	(0.45)	1.94	(0.21)
CZE	121183	4.09	116221	4.96	(0.25)	25.61	(0.78)	49.79	(0.83)	18.19	(0.60)	1.46	(0.35)
DNK	51741	0.65	51406	17.18	(0.67)	40.15	(0.93)	30.98	(0.78)	9.54	(0.46)	2.15	(0.27)
FIN	57884	0.07	57845	4.46	(0.26)	19.76	(0.63)	47.07	(0.70)	26.62	(0.75)	2.10	(0.21)
FRA	734579	0.87	728167	11.43	(0.56)	34.78	(0.94)	30.36	(0.81)	21.98	(0.80)	1.45	(0.22)
DEU	884358	5.57	835070	19.33	(0.59)	23.28	(0.74)	30.13	(0.72)	25.74	(0.81)	1.52	(0.24)
GRC	105131	0.13	104991	12.19	(0.61)	31.28	(0.85)	36.52	(0.68)	18.41	(0.82)	1.61	(0.22)
HUN	107044	0.06	106984	5.52	(0.35)	21.04	(0.78)	49.46	(0.77)	22.92	(0.80)	1.07	(0.18)
ISL	3928	0.63	3903	9.02	(0.48)	28.46	(0.74)	38.12	(0.85)	23.58	(0.70)	0.81	(.)
IRL	54850	1.03	54285	6.31	(0.49)	26.48	(0.84)	44.66	(0.78)	21.20	(0.70)	1.35	(0.20)
ITA	481521	0.20	480573	10.90	(0.54)	35.98	(0.83)	34.34	(0.75)	17.91	(0.76)	0.86	(0.13)
JPN	1240054	0.10	1238855	6.65	(0.43)	19.27	(0.66)	42.11	(0.82)	31.14	(0.99)	0.84	(0.18)
KOR	533504	.	533504	8.82	(0.47)	22.33	(0.64)	44.47	(0.67)	23.93	(0.70)	0.46	(.)
LUX	4080	0.10	4076	9.96	(0.51)	22.78	(0.64)	31.60	(0.75)	34.19	(0.73)	1.47	(0.21)
MEX	1071650	0.37	1067674	8.92	(0.61)	32.69	(0.69)	40.92	(0.80)	9.45	(0.49)	8.01	(0.64)
NLD	184943	3.19	179043	4.61	(0.37)	30.22	(0.91)	42.18	(0.89)	21.75	(0.71)	1.25	(0.22)
NZL	48638	0.95	48176	8.13	(0.45)	30.49	(0.75)	42.18	(0.79)	18.03	(0.73)	1.16	(0.16)
NOR	52816	0.77	52407	8.21	(0.48)	25.22	(0.72)	35.67	(0.78)	28.99	(0.83)	1.91	(0.35)
POL	534900	.	534900	7.63	(0.43)	32.26	(0.83)	44.95	(0.97)	13.92	(0.62)	1.25	(0.21)
PRT	96857	0.23	96637	11.17	(0.49)	34.39	(0.85)	37.37	(0.88)	14.29	(0.56)	2.78	(0.30)
SVK	77067	0.04	77034	5.82	(0.36)	26.13	(0.67)	49.30	(1.07)	16.85	(0.66)	1.90	(0.59)
ESP	344372	0.07	344114	7.38	(0.45)	28.71	(0.72)	36.97	(0.67)	25.09	(0.72)	1.86	(0.20)
SWE	107104	0.27	106810	7.08	(0.50)	27.36	(0.82)	43.92	(0.78)	19.71	(0.79)	1.93	(0.22)
CHE	86491	0.14	86370	16.21	(0.62)	34.30	(0.83)	28.82	(0.72)	18.31	(0.49)	2.37	(0.27)
TUR	481279	0.03	481137	20.11	(1.08)	33.98	(0.85)	26.93	(0.72)	11.94	(0.78)	7.05	(0.79)
GBR	698579	3.73	672529	6.73	(0.43)	26.90	(0.82)	45.64	(0.87)	19.54	(0.56)	1.19	(0.17)
USA	3147089	0.76	3123066	9.65	(0.47)	24.37	(0.69)	40.02	(0.76)	24.67	(0.75)	1.29	(0.21)
TOT	.	1.34	.	9.92	(0.17)	27.06	(0.23)	39.11	(0.26)	21.79	(0.25)	2.13	(0.09)
AVG	.	1.23	.	9.29	(0.11)	27.97	(0.13)	39.38	(0.14)	21.40	(0.14)	1.96	(0.06)
HKG	72484	0.21	72334	10.87	(0.55)	40.74	(0.78)	36.91	(0.82)	11.14	(0.53)	0.34	(.)
IDN	1971476	0.00	1971403	12.09	(0.51)	58.30	(0.89)	23.85	(0.82)	1.15	(0.19)	4.61	(0.49)
LVA	33643	0.23	33565	5.93	(0.59)	34.88	(1.00)	48.63	(1.07)	9.48	(0.57)	1.08	(0.17)
LIE	338	.	338	16.26	(1.83)	35.56	(2.85)	30.74	(2.59)	16.21	(1.98)	1.22	(.)
MAC	6546	.	6546	10.52	(1.15)	34.32	(1.54)	42.69	(1.78)	11.84	(1.20)	0.62	(.)
RUS	2153373	0.02	2152991	8.74	(0.47)	30.87	(0.91)	48.95	(1.07)	8.55	(0.59)	2.89	(0.32)
YUG	68596	0.57	68202	8.15	(0.50)	24.99	(0.90)	40.58	(0.90)	19.81	(0.77)	6.47	(0.71)
THA	637076	.	637076	9.83	(0.54)	58.10	(0.93)	28.94	(0.91)	2.16	(0.20)	0.98	(0.14)
TUN	150875	0.07	150770	30.96	(0.85)	34.00	(0.80)	22.83	(0.72)	8.91	(0.54)	3.30	(0.30)
URY	33775	0.15	33724	15.25	(0.60)	30.68	(0.81)	32.83	(0.85)	16.15	(0.65)	5.09	(0.39)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I do Mathematics because I enjoy it.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	534 (5.17)	536 (2.99)	523 (2.29)	521 (3.44)	433 (10.28)
AUT	85931	1.08	85003	481 (7.09)	488 (6.25)	493 (3.67)	501 (3.95)	441 (29.83)
BEL	111831	1.79	109825	515 (6.96)	526 (3.18)	514 (3.15)	507 (3.66)	350 (23.27)
CAN	330436	9.70	298375	543 (4.01)	544 (2.31)	527 (2.00)	521 (2.19)	506 (8.42)
CZE	121183	4.09	116221	506 (6.76)	514 (3.93)	490 (3.01)	490 (3.99)	433 (19.57)
DNK	51741	0.65	51406	506 (4.51)	499 (3.16)	487 (3.52)	472 (5.35)	437 (12.20)
FIN	57884	0.07	57845	570 (5.70)	559 (3.16)	542 (1.98)	534 (2.52)	499 (9.13)
FRA	734579	0.87	728167	511 (5.06)	509 (3.80)	491 (3.59)	489 (4.03)	385 (17.78)
DEU	884358	5.57	835070	498 (5.36)	506 (4.67)	504 (3.94)	502 (4.68)	386 (15.05)
GRC	105131	0.13	104991	494 (7.07)	482 (5.01)	466 (4.87)	464 (4.82)	366 (16.63)
HUN	107044	0.06	106984	497 (7.11)	493 (4.70)	475 (2.95)	488 (3.37)	410 (21.67)
ISL	3928	0.63	3903	509 (5.45)	508 (3.49)	491 (2.93)	472 (3.75)	. (.)
IRL	54850	1.03	54285	537 (6.62)	526 (4.17)	513 (2.79)	508 (3.68)	398 (18.66)
ITA	481521	0.20	480573	478 (6.15)	484 (3.93)	473 (3.36)	469 (4.79)	385 (21.05)
JPN	1240054	0.10	1238855	513 (7.82)	518 (4.74)	504 (4.25)	480 (5.09)	362 (27.58)
KOR	533504	.	533504	565 (4.40)	559 (3.82)	529 (3.33)	512 (3.71)	. (.)
LUX	4080	0.10	4076	472 (6.71)	476 (3.45)	482 (2.68)	487 (2.61)	360 (19.05)
MEX	1071650	0.37	1067674	396 (8.11)	402 (4.78)	410 (3.63)	427 (6.59)	314 (6.49)
NLD	184943	3.19	179043	515 (8.06)	525 (3.75)	515 (3.27)	514 (3.54)	485 (12.02)
NZL	48638	0.95	48176	517 (6.98)	525 (3.90)	523 (2.74)	527 (4.42)	447 (17.74)
NOR	52816	0.77	52407	528 (6.78)	530 (3.78)	504 (3.54)	466 (3.56)	446 (17.32)
POL	534900	.	534900	508 (6.80)	507 (3.68)	491 (3.10)	496 (5.15)	369 (17.96)
PRT	96857	0.23	96637	503 (6.46)	487 (4.15)	472 (4.23)	462 (5.06)	424 (12.36)
SVK	77067	0.04	77034	480 (8.56)	479 (4.23)	467 (3.57)	468 (3.93)	377 (19.38)
ESP	344372	0.07	344114	502 (5.06)	499 (3.81)	479 (2.90)	462 (3.35)	388 (12.52)
SWE	107104	0.27	106810	536 (7.02)	527 (3.59)	512 (2.86)	499 (3.52)	469 (17.12)
CHE	86491	0.14	86370	495 (4.47)	501 (4.04)	501 (3.98)	503 (4.39)	450 (12.91)
TUR	481279	0.03	481137	468 (8.92)	453 (6.77)	432 (5.21)	432 (5.38)	356 (5.87)
GBR	698579	3.73	672529	519 (6.47)	508 (3.91)	509 (2.85)	499 (3.65)	416 (16.14)
USA	3147089	0.76	3123066	497 (7.00)	504 (4.17)	495 (3.53)	495 (3.85)	372 (19.50)
TOT	.	1.34	.	494 (2.45)	495 (1.54)	489 (1.33)	489 (1.49)	362 (5.68)
AVG	.	1.23	.	502 (1.36)	503 (0.91)	495 (0.70)	492 (0.70)	395 (3.97)
HKG	72484	0.21	72334	533 (4.33)	521 (3.46)	500 (4.47)	483 (6.29)	. (.)
IDN	1971476	0.00	1971403	376 (5.71)	383 (3.33)	393 (4.70)	380 (14.80)	316 (8.90)
LVA	33643	0.23	33565	513 (8.20)	501 (4.30)	483 (3.73)	487 (7.38)	419 (15.30)
LIE	338	.	338	509 (13.85)	524 (7.82)	529 (8.62)	535 (12.76)	. (.)
MAC	6546	.	6546	520 (6.53)	497 (4.29)	495 (3.30)	495 (6.07)	. (.)
RUS	2153373	0.02	2152991	457 (6.33)	454 (4.57)	437 (3.81)	445 (7.69)	349 (12.98)
YUG	68596	0.57	68202	408 (7.49)	417 (4.70)	415 (3.75)	426 (4.08)	342 (9.85)
THA	637076	.	637076	438 (4.97)	415 (2.88)	424 (3.73)	435 (8.67)	383 (16.95)
TUN	150875	0.07	150770	375 (4.58)	373 (3.42)	381 (3.70)	383 (6.01)	317 (8.33)
URY	33775	0.15	33724	456 (6.54)	442 (4.00)	435 (4.18)	427 (5.56)	338 (8.29)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I do Mathematics because I enjoy it.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	556 (4.99)	547 (2.80)	518 (2.20)	500 (3.39)	451 (10.10)
AUT	85931	1.08	85003	528 (6.70)	522 (5.49)	508 (3.29)	496 (3.86)	449 (18.36)
BEL	111831	1.79	109825	556 (6.96)	561 (3.17)	535 (3.02)	512 (2.90)	392 (21.87)
CAN	330436	9.70	298375	573 (3.14)	558 (2.61)	529 (1.92)	510 (1.94)	514 (8.69)
CZE	121183	4.09	116221	557 (8.26)	554 (4.40)	512 (3.46)	501 (3.85)	455 (20.28)
DNK	51741	0.65	51406	555 (4.89)	530 (3.09)	492 (3.16)	466 (5.52)	455 (11.97)
FIN	57884	0.07	57845	608 (6.72)	580 (3.71)	543 (1.89)	513 (2.66)	516 (8.72)
FRA	734579	0.87	728167	549 (5.68)	534 (3.54)	498 (2.68)	481 (3.39)	429 (16.35)
DEU	884358	5.57	835070	531 (5.31)	528 (3.88)	507 (3.97)	491 (4.69)	413 (11.60)
GRC	105131	0.13	104991	495 (6.58)	469 (4.56)	428 (4.44)	412 (4.03)	360 (13.19)
HUN	107044	0.06	106984	532 (8.36)	515 (4.40)	480 (3.20)	481 (3.72)	425 (22.57)
ISL	3928	0.63	3903	557 (5.17)	541 (2.91)	510 (2.54)	478 (3.46)	. (.)
IRL	54850	1.03	54285	545 (6.91)	522 (3.91)	498 (2.62)	481 (3.61)	401 (15.15)
ITA	481521	0.20	480573	487 (5.57)	481 (3.51)	457 (3.60)	443 (4.22)	396 (17.75)
JPN	1240054	0.10	1238855	574 (8.21)	564 (5.19)	539 (4.33)	504 (4.19)	427 (21.57)
KOR	533504	.	533504	602 (4.17)	582 (4.08)	533 (3.57)	501 (3.53)	. (.)
LUX	4080	0.10	4076	511 (5.50)	505 (3.15)	493 (2.51)	483 (2.34)	426 (14.76)
MEX	1071650	0.37	1067674	398 (7.83)	393 (4.24)	390 (3.40)	395 (5.23)	308 (6.16)
NLD	184943	3.19	179043	568 (8.81)	562 (3.89)	539 (3.48)	520 (3.97)	489 (11.91)
NZL	48638	0.95	48176	551 (7.29)	538 (3.72)	520 (2.47)	506 (3.61)	447 (15.23)
NOR	52816	0.77	52407	553 (5.25)	536 (3.43)	494 (3.16)	449 (2.76)	442 (13.38)
POL	534900	.	534900	532 (6.50)	512 (3.40)	477 (2.65)	470 (3.94)	378 (14.63)
PRT	96857	0.23	96637	510 (5.94)	482 (3.97)	454 (3.78)	436 (4.23)	420 (10.17)
SVK	77067	0.04	77034	528 (10.88)	521 (3.94)	490 (3.85)	485 (4.12)	412 (20.86)
ESP	344372	0.07	344114	526 (4.81)	510 (3.69)	481 (2.55)	456 (2.53)	414 (12.43)
SWE	107104	0.27	106810	564 (7.01)	534 (3.86)	503 (2.92)	474 (3.34)	466 (14.33)
CHE	86491	0.14	86370	548 (4.73)	539 (4.16)	517 (3.96)	505 (4.13)	481 (9.73)
TUR	481279	0.03	481137	469 (10.02)	439 (7.61)	407 (6.11)	398 (5.01)	325 (5.61)
GBR	698579	3.73	672529	543 (5.76)	519 (3.67)	507 (2.67)	488 (4.07)	425 (14.29)
USA	3147089	0.76	3123066	501 (6.76)	498 (3.91)	480 (3.16)	471 (3.30)	388 (14.91)
TOT	.	1.34	.	515 (2.48)	504 (1.46)	487 (1.24)	478 (1.29)	368 (5.11)
AVG	.	1.23	.	531 (1.35)	519 (0.88)	496 (0.69)	481 (0.71)	405 (3.70)
HKG	72484	0.21	72334	600 (5.20)	569 (4.14)	532 (5.55)	498 (5.91)	. (.)
IDN	1971476	0.00	1971403	365 (6.31)	364 (3.73)	364 (5.90)	336 (15.09)	289 (7.66)
LVA	33643	0.23	33565	532 (7.78)	499 (4.21)	471 (3.77)	465 (5.45)	420 (14.40)
LIE	338	.	338	552 (16.84)	537 (9.31)	527 (9.91)	528 (12.61)	. (.)
MAC	6546	.	6546	576 (10.01)	536 (5.90)	515 (4.96)	510 (9.12)	. (.)
RUS	2153373	0.02	2152991	502 (7.10)	485 (4.99)	459 (3.95)	458 (6.25)	386 (9.28)
YUG	68596	0.57	68202	453 (6.87)	451 (5.16)	439 (3.67)	435 (3.94)	361 (8.37)
THA	637076	.	637076	444 (5.62)	414 (3.14)	415 (3.55)	414 (8.42)	394 (14.18)
TUN	150875	0.07	150770	377 (3.76)	358 (3.06)	350 (3.66)	346 (4.78)	301 (6.69)
URY	33775	0.15	33724	462 (5.49)	440 (3.82)	415 (3.58)	397 (5.29)	324 (5.96)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I do Mathematics because I enjoy it.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	546 (5.33)	541 (2.90)	521 (2.32)	510 (3.05)	449 (9.66)
AUT	85931	1.08	85003	498 (6.54)	497 (5.73)	493 (3.46)	491 (3.80)	426 (20.04)
BEL	111831	1.79	109825	526 (7.03)	535 (3.10)	513 (2.88)	499 (3.36)	367 (19.60)
CAN	330436	9.70	298375	548 (3.95)	543 (2.83)	517 (2.32)	502 (2.44)	495 (10.28)
CZE	121183	4.09	116221	552 (9.34)	552 (4.57)	520 (3.43)	517 (4.55)	461 (21.27)
DNK	51741	0.65	51406	510 (5.11)	488 (3.86)	459 (3.54)	430 (5.81)	411 (14.70)
FIN	57884	0.07	57845	600 (6.29)	576 (4.11)	546 (2.28)	525 (2.94)	521 (10.72)
FRA	734579	0.87	728167	545 (6.18)	531 (4.46)	500 (3.54)	489 (4.02)	427 (20.31)
DEU	884358	5.57	835070	524 (5.57)	525 (4.45)	508 (4.31)	499 (5.06)	398 (13.22)
GRC	105131	0.13	104991	516 (6.45)	497 (4.42)	470 (4.80)	458 (4.31)	417 (13.13)
HUN	107044	0.06	106984	527 (9.22)	517 (4.89)	495 (3.10)	506 (3.78)	437 (23.12)
ISL	3928	0.63	3903	526 (5.91)	515 (3.37)	492 (2.61)	466 (3.41)	. (.)
IRL	54850	1.03	54285	536 (7.84)	519 (4.34)	501 (2.82)	493 (4.12)	413 (16.83)
ITA	481521	0.20	480573	493 (6.44)	496 (3.79)	481 (3.82)	477 (4.53)	412 (20.42)
JPN	1240054	0.10	1238855	576 (8.54)	572 (5.42)	553 (4.58)	523 (4.87)	430 (24.29)
KOR	533504	.	533504	585 (4.75)	574 (4.85)	530 (3.88)	505 (4.50)	. (.)
LUX	4080	0.10	4076	494 (7.00)	491 (3.39)	483 (2.72)	478 (2.61)	379 (18.54)
MEX	1071650	0.37	1067674	417 (7.28)	409 (4.18)	409 (2.94)	417 (5.49)	336 (6.47)
NLD	184943	3.19	179043	534 (9.32)	542 (4.79)	526 (3.48)	515 (4.30)	468 (14.02)
NZL	48638	0.95	48176	527 (7.26)	527 (3.97)	520 (2.60)	519 (4.11)	447 (16.68)
NOR	52816	0.77	52407	532 (6.66)	524 (4.06)	484 (4.03)	442 (3.28)	430 (16.60)
POL	534900	.	534900	537 (7.73)	515 (3.66)	485 (3.25)	487 (4.99)	395 (15.17)
PRT	96857	0.23	96637	498 (6.14)	479 (4.06)	459 (4.06)	452 (4.95)	408 (12.09)
SVK	77067	0.04	77034	512 (13.10)	511 (4.92)	490 (4.07)	490 (4.56)	397 (20.90)
ESP	344372	0.07	344114	523 (5.52)	510 (3.68)	484 (3.18)	462 (3.52)	404 (14.38)
SWE	107104	0.27	106810	546 (7.96)	525 (4.49)	501 (3.53)	482 (3.68)	458 (17.88)
CHE	86491	0.14	86370	528 (4.53)	521 (4.65)	509 (4.65)	496 (5.28)	472 (10.39)
TUR	481279	0.03	481137	468 (8.74)	445 (7.13)	421 (5.44)	418 (5.40)	363 (6.10)
GBR	698579	3.73	672529	546 (6.20)	525 (3.80)	519 (3.01)	503 (4.19)	427 (16.52)
USA	3147089	0.76	3123066	500 (7.18)	502 (3.87)	489 (3.49)	487 (3.58)	396 (18.50)
TOT	.	1.34	.	513 (2.51)	506 (1.45)	495 (1.27)	491 (1.36)	382 (5.09)
AVG	.	1.23	.	520 (1.41)	513 (0.91)	498 (0.67)	488 (0.72)	408 (3.50)
HKG	72484	0.21	72334	573 (4.84)	554 (4.08)	526 (4.90)	502 (6.50)	. (.)
IDN	1971476	0.00	1971403	396 (5.25)	397 (3.25)	400 (4.60)	395 (12.70)	347 (6.24)
LVA	33643	0.23	33565	529 (8.35)	502 (4.38)	480 (3.82)	473 (6.96)	415 (14.06)
LIE	338	.	338	534 (16.87)	528 (10.19)	516 (9.68)	525 (13.00)	. (.)
MAC	6546	.	6546	577 (9.09)	531 (5.52)	513 (5.37)	505 (8.47)	. (.)
RUS	2153373	0.02	2152991	514 (7.09)	504 (4.86)	481 (3.96)	484 (6.30)	406 (12.84)
YUG	68596	0.57	68202	437 (7.46)	443 (4.54)	436 (3.75)	445 (4.67)	390 (10.17)
THA	637076	.	637076	452 (5.24)	424 (2.84)	431 (3.33)	442 (9.95)	402 (15.60)
TUN	150875	0.07	150770	394 (3.57)	382 (3.40)	383 (3.33)	382 (5.12)	336 (6.96)
URY	33775	0.15	33724	465 (5.90)	451 (3.97)	434 (3.74)	425 (4.14)	352 (7.03)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I do Mathematics because I enjoy it.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean	(SE)	Agree Mean	(SE)	Disagree Mean	(SE)	Strongly Disagree Mean	(SE)	Missing mean	(SE)
AUS	235591	0.34	234787	555	(5.01)	548	(2.74)	525	(2.02)	511	(3.24)	458	(8.91)
AUT	85931	1.08	85003	528	(6.45)	520	(5.28)	509	(3.21)	497	(3.58)	445	(18.61)
BEL	111831	1.79	109825	551	(6.36)	555	(3.07)	530	(2.91)	507	(2.99)	407	(13.19)
CAN	330436	9.70	298375	568	(3.39)	554	(2.45)	528	(1.92)	508	(2.16)	513	(8.95)
CZE	121183	4.09	116221	552	(8.71)	551	(4.27)	514	(3.22)	503	(3.91)	460	(22.37)
DNK	51741	0.65	51406	551	(4.58)	530	(2.88)	499	(3.11)	475	(5.16)	455	(12.02)
FIN	57884	0.07	57845	603	(6.34)	578	(3.67)	545	(2.07)	521	(2.92)	530	(8.11)
FRA	734579	0.87	728167	554	(5.40)	540	(3.71)	508	(2.95)	493	(3.75)	438	(16.94)
DEU	884358	5.57	835070	534	(4.97)	532	(3.91)	517	(4.03)	504	(4.50)	428	(11.47)
GRC	105131	0.13	104991	497	(7.22)	469	(4.59)	435	(4.17)	416	(4.31)	361	(13.92)
HUN	107044	0.06	106984	544	(7.96)	524	(4.65)	492	(3.13)	492	(3.78)	443	(20.06)
ISL	3928	0.63	3903	542	(4.67)	526	(2.81)	502	(2.43)	474	(3.40)	.	(.)
IRL	54850	1.03	54285	535	(6.16)	517	(3.58)	494	(2.62)	479	(3.32)	390	(13.79)
ITA	481521	0.20	480573	490	(6.28)	484	(3.77)	462	(3.61)	447	(4.04)	378	(20.02)
JPN	1240054	0.10	1238855	586	(8.43)	579	(5.22)	553	(4.26)	516	(4.62)	406	(29.22)
KOR	533504	.	533504	598	(4.11)	584	(3.83)	543	(3.43)	517	(3.80)	.	(.)
LUX	4080	0.10	4076	510	(6.29)	502	(3.71)	495	(2.50)	485	(2.18)	428	(15.19)
MEX	1071650	0.37	1067674	395	(9.03)	390	(5.08)	391	(4.08)	400	(6.63)	299	(6.66)
NLD	184943	3.19	179043	542	(8.76)	541	(4.05)	520	(3.50)	503	(4.25)	463	(12.71)
NZL	48638	0.95	48176	551	(6.96)	544	(3.60)	529	(2.35)	522	(4.12)	472	(16.47)
NOR	52816	0.77	52407	542	(6.83)	531	(4.00)	490	(3.40)	444	(3.10)	441	(15.42)
POL	534900	.	534900	520	(6.62)	503	(3.48)	478	(2.84)	471	(4.20)	362	(21.43)
PRT	96857	0.23	96637	511	(6.25)	485	(4.40)	459	(4.05)	440	(5.60)	428	(11.81)
SVK	77067	0.04	77034	518	(11.73)	514	(3.58)	485	(4.00)	478	(4.01)	415	(22.10)
ESP	344372	0.07	344114	519	(5.23)	507	(3.88)	479	(3.00)	455	(2.99)	397	(14.49)
SWE	107104	0.27	106810	546	(6.68)	530	(3.89)	505	(2.74)	480	(3.25)	466	(14.98)
CHE	86491	0.14	86370	536	(4.83)	531	(3.78)	516	(3.90)	506	(3.46)	476	(10.94)
TUR	481279	0.03	481137	448	(8.84)	422	(6.62)	394	(5.45)	387	(4.72)	305	(5.96)
GBR	698579	3.73	672529	539	(6.17)	519	(3.77)	510	(2.85)	490	(3.78)	438	(14.30)
USA	3147089	0.76	3123066	496	(7.02)	493	(3.85)	475	(3.45)	465	(3.49)	389	(16.48)
TOT	.	1.34	.	512	(2.51)	502	(1.55)	488	(1.37)	481	(1.35)	362	(5.56)
AVG	.	1.23	.	526	(1.35)	516	(0.90)	498	(0.73)	484	(0.71)	402	(3.93)
HKG	72484	0.21	72334	590	(4.56)	564	(4.00)	532	(5.01)	505	(5.86)	.	(.)
IDN	1971476	0.00	1971403	362	(5.55)	363	(3.12)	368	(5.07)	351	(18.06)	304	(7.22)
LVA	33643	0.23	33565	528	(8.17)	497	(4.28)	472	(4.02)	466	(6.20)	392	(14.47)
LIE	338	.	338	539	(15.00)	531	(8.53)	523	(9.16)	524	(11.97)	.	(.)
MAC	6546	.	6546	572	(8.24)	539	(4.66)	522	(4.32)	518	(6.66)	.	(.)
RUS	2153373	0.02	2152991	507	(6.81)	495	(5.65)	471	(4.30)	470	(8.06)	371	(12.67)
YUG	68596	0.57	68202	431	(7.24)	431	(4.70)	423	(3.60)	423	(4.11)	347	(9.05)
THA	637076	.	637076	454	(5.57)	422	(3.01)	423	(3.35)	426	(8.39)	378	(14.97)
TUN	150875	0.07	150770	353	(3.60)	344	(2.78)	341	(3.37)	342	(4.97)	306	(6.50)
URY	33775	0.15	33724	445	(7.28)	426	(4.08)	407	(4.27)	389	(5.15)	306	(7.84)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Learning Mathematics is worthwhile for me because it will improve my career <prospects, chances>.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.34	234787	31.20	(0.73)	54.81	(0.84)	9.24	(0.36)	3.98	(0.27)	0.77	(0.10)
AUT	85931	1.08	85003	14.51	(0.61)	35.74	(1.01)	30.18	(0.93)	18.31	(0.81)	1.27	(0.42)
BEL	111831	1.79	109825	15.60	(0.50)	47.55	(0.59)	23.39	(0.46)	10.68	(0.47)	2.79	(0.46)
CAN	330436	9.70	298375	33.57	(0.67)	51.25	(0.60)	8.12	(0.30)	4.58	(0.23)	2.49	(0.22)
CZE	121183	4.09	116221	18.11	(0.66)	61.84	(0.93)	15.06	(0.54)	3.88	(0.30)	1.12	(0.34)
DNK	51741	0.65	51406	36.21	(0.76)	50.31	(0.72)	9.99	(0.42)	1.83	(0.23)	1.66	(0.24)
FIN	57884	0.07	57845	24.59	(0.68)	61.19	(0.71)	9.43	(0.45)	2.83	(0.23)	1.96	(0.20)
FRA	734579	0.87	728167	22.56	(0.73)	50.18	(0.91)	17.37	(0.56)	8.47	(0.53)	1.42	(0.27)
DEU	884358	5.57	835070	30.59	(0.81)	47.13	(0.79)	15.58	(0.51)	5.10	(0.39)	1.61	(0.24)
GRC	105131	0.13	104991	22.48	(0.77)	48.85	(0.75)	19.99	(0.72)	7.36	(0.44)	1.31	(0.20)
HUN	107044	0.06	106984	15.24	(0.59)	54.93	(0.73)	22.71	(0.74)	6.17	(0.43)	0.95	(0.16)
ISL	3928	0.63	3903	34.04	(0.75)	50.76	(0.77)	9.58	(0.57)	4.98	(0.34)	0.64	(.)
IRL	54850	1.03	54285	27.57	(0.86)	56.34	(0.86)	10.05	(0.55)	4.47	(0.36)	1.58	(0.24)
ITA	481521	0.20	480573	16.67	(0.54)	58.22	(0.77)	17.60	(0.57)	6.63	(0.51)	0.87	(0.16)
JPN	1240054	0.10	1238855	8.31	(0.53)	34.24	(0.86)	38.07	(0.81)	18.58	(0.74)	0.80	(0.18)
KOR	533504	.	533504	12.29	(0.49)	47.83	(0.70)	28.99	(0.73)	10.62	(0.47)	0.28	(.)
LUX	4080	0.10	4076	19.34	(0.63)	40.54	(0.73)	23.46	(0.68)	15.15	(0.56)	1.51	(0.19)
MEX	1071650	0.37	1067674	40.07	(1.04)	48.48	(0.84)	4.10	(0.34)	1.44	(0.18)	5.90	(0.58)
NLD	184943	3.17	179074	12.11	(0.73)	57.77	(0.96)	21.32	(0.82)	7.47	(0.55)	1.33	(0.23)
NZL	48638	0.93	48186	33.21	(0.81)	54.82	(0.84)	9.09	(0.48)	2.30	(0.23)	0.57	(.)
NOR	52816	0.77	52407	28.59	(0.78)	51.48	(0.93)	11.09	(0.55)	6.98	(0.45)	1.85	(0.28)
POL	534900	.	534900	17.15	(0.70)	68.56	(0.81)	10.02	(0.54)	3.28	(0.33)	0.99	(0.21)
PRT	96857	0.23	96637	32.79	(0.83)	54.24	(0.85)	7.52	(0.52)	3.32	(0.28)	2.11	(0.26)
SVK	77067	0.04	77034	16.73	(0.57)	62.84	(0.79)	14.86	(0.61)	3.83	(0.33)	1.74	(0.54)
ESP	344372	0.07	344114	23.26	(0.78)	55.25	(0.78)	13.37	(0.57)	7.00	(0.44)	1.11	(0.17)
SWE	107104	0.27	106810	26.56	(0.84)	58.63	(0.76)	10.03	(0.48)	3.62	(0.31)	1.16	(0.19)
CHE	86491	0.14	86370	29.96	(0.80)	43.90	(0.70)	18.10	(0.54)	6.41	(0.34)	1.63	(0.19)
TUR	481279	0.03	481137	36.69	(1.02)	43.80	(0.98)	9.27	(0.52)	4.33	(0.37)	5.92	(0.84)
GBR	698579	3.73	672529	28.12	(0.78)	57.58	(0.85)	10.16	(0.51)	3.07	(0.24)	1.07	(0.18)
USA	3147089	0.76	3123066	25.70	(0.67)	55.57	(0.67)	12.03	(0.57)	5.31	(0.36)	1.39	(0.17)
TOT	.	1.34	.	24.35	(0.23)	51.42	(0.24)	15.70	(0.20)	6.68	(0.14)	1.85	(0.08)
AVG	.	1.23	.	24.43	(0.15)	52.15	(0.15)	15.35	(0.11)	6.41	(0.09)	1.66	(0.06)
HKG	72484	0.21	72334	16.38	(0.71)	65.58	(0.70)	14.11	(0.52)	3.74	(0.33)	0.19	(.)
IDN	1971476	0.00	1971403	25.08	(0.87)	60.93	(1.05)	9.36	(0.55)	0.49	(0.09)	4.15	(0.49)
LVA	33643	0.23	33565	23.80	(0.96)	59.37	(1.06)	12.79	(0.76)	2.93	(0.28)	1.12	(0.18)
LIE	338	.	338	29.74	(2.14)	39.92	(2.74)	23.79	(2.08)	5.66	(.)	0.89	(.)
MAC	6546	.	6546	20.35	(1.29)	64.91	(1.55)	11.59	(1.02)	3.00	(0.59)	0.15	(.)
RUS	2153373	0.02	2152991	20.03	(0.64)	47.55	(0.95)	24.71	(0.85)	4.80	(0.35)	2.91	(0.34)
YUG	68596	0.57	68202	17.23	(0.69)	51.24	(0.99)	17.37	(0.75)	7.44	(0.65)	6.73	(0.63)
THA	637076	.	637076	27.46	(0.85)	64.93	(0.92)	6.37	(0.40)	0.54	(0.11)	0.69	(0.12)
TUN	150875	0.07	150770	42.05	(0.95)	36.79	(0.93)	12.56	(0.53)	5.09	(0.34)	3.51	(0.30)
URY	33775	0.15	33724	32.18	(0.85)	47.03	(0.84)	12.35	(0.64)	3.90	(0.37)	4.54	(0.32)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Learning Mathematics is worthwhile for me because it will improve my career <prospects, chances>.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	543 (2.84)	523 (2.22)	514 (4.75)	494 (8.12)	379 (13.18)
AUT	85931	1.08	85003	468 (5.42)	491 (3.82)	505 (4.58)	504 (5.24)	435 (31.41)
BEL	111831	1.79	109825	512 (4.18)	519 (2.62)	517 (3.62)	501 (5.88)	331 (21.31)
CAN	330436	9.70	298375	551 (2.37)	527 (1.56)	507 (3.09)	491 (4.83)	504 (7.30)
CZE	121183	4.09	116221	496 (3.88)	499 (2.95)	495 (5.05)	471 (8.34)	410 (27.04)
DNK	51741	0.65	51406	500 (3.45)	491 (3.26)	489 (4.84)	476 (11.79)	425 (17.04)
FIN	57884	0.07	57845	561 (2.92)	542 (1.74)	534 (4.09)	497 (9.51)	495 (9.26)
FRA	734579	0.87	728167	501 (3.93)	500 (3.40)	496 (3.73)	491 (6.22)	389 (16.76)
DEU	884358	5.57	835070	486 (4.26)	511 (3.75)	512 (5.01)	496 (8.98)	396 (16.84)
GRC	105131	0.13	104991	476 (5.26)	474 (4.36)	475 (5.39)	467 (7.35)	349 (21.09)
HUN	107044	0.06	106984	491 (4.90)	481 (2.56)	478 (4.08)	487 (6.58)	422 (23.48)
ISL	3928	0.63	3903	508 (3.10)	491 (2.63)	479 (5.47)	441 (9.82)	. (.)
IRL	54850	1.03	54285	528 (3.48)	514 (2.73)	509 (5.25)	501 (7.50)	410 (19.10)
ITA	481521	0.20	480573	471 (5.19)	481 (2.85)	479 (4.52)	456 (7.08)	363 (25.03)
JPN	1240054	0.10	1238855	528 (6.72)	514 (4.75)	496 (4.28)	468 (5.92)	366 (31.87)
KOR	533504	.	533504	574 (4.37)	546 (3.40)	515 (3.33)	494 (4.53)	. (.)
LUX	4080	0.10	4076	462 (4.80)	479 (2.24)	495 (2.65)	489 (3.77)	374 (17.50)
MEX	1071650	0.37	1067674	411 (5.16)	406 (3.59)	375 (12.07)	359 (12.63)	303 (7.00)
NLD	184943	3.17	179074	512 (6.35)	519 (3.29)	522 (3.60)	509 (5.93)	485 (12.86)
NZL	48638	0.93	48186	542 (3.61)	518 (2.62)	500 (5.72)	481 (12.52)	. (.)
NOR	52816	0.77	52407	525 (4.27)	503 (2.95)	477 (5.90)	437 (6.82)	413 (16.03)
POL	534900	.	534900	511 (4.37)	498 (3.00)	481 (6.48)	483 (9.56)	356 (18.31)
PRT	96857	0.23	96637	495 (4.59)	475 (3.72)	456 (6.58)	440 (9.91)	422 (11.35)
SVK	77067	0.04	77034	475 (4.06)	470 (3.47)	472 (4.40)	456 (7.36)	378 (24.01)
ESP	344372	0.07	344114	497 (3.38)	486 (2.85)	463 (4.46)	439 (7.36)	350 (17.98)
SWE	107104	0.27	106810	525 (4.54)	516 (2.41)	506 (5.02)	470 (9.55)	432 (23.40)
CHE	86491	0.14	86370	478 (3.02)	503 (4.81)	524 (4.84)	524 (7.92)	421 (16.59)
TUR	481279	0.03	481137	454 (6.48)	446 (6.18)	432 (8.43)	426 (8.29)	346 (7.20)
GBR	698579	3.73	672529	522 (3.40)	504 (2.84)	497 (5.03)	482 (8.64)	404 (16.78)
USA	3147089	0.76	3123066	515 (4.68)	498 (3.25)	476 (4.64)	456 (6.86)	375 (20.06)
TOT	.	1.34	.	494 (1.79)	493 (1.26)	489 (1.79)	470 (2.43)	359 (6.30)
AVG	.	1.23	.	502 (0.88)	498 (0.71)	494 (0.96)	479 (1.32)	386 (4.23)
HKG	72484	0.21	72334	529 (3.98)	512 (4.13)	492 (4.77)	458 (10.35)	. (.)
IDN	1971476	0.00	1971403	378 (4.53)	388 (3.26)	385 (6.94)	362 (17.96)	310 (8.89)
LVA	33643	0.23	33565	514 (4.47)	489 (4.15)	464 (6.42)	471 (12.68)	416 (15.04)
LIE	338	.	338	502 (8.25)	526 (6.58)	543 (8.42)	. (.)	. (.)
MAC	6546	.	6546	499 (5.48)	499 (2.69)	491 (7.95)	485 (14.20)	. (.)
RUS	2153373	0.02	2152991	461 (5.31)	447 (3.54)	432 (4.76)	445 (9.99)	331 (10.30)
YUG	68596	0.57	68202	409 (4.69)	419 (3.74)	419 (4.66)	429 (6.03)	336 (9.74)
THA	637076	.	637076	429 (3.59)	417 (2.88)	412 (6.35)	426 (14.89)	363 (20.78)
TUN	150875	0.07	150770	383 (3.97)	376 (3.29)	361 (5.24)	374 (8.77)	313 (8.42)
URY	33775	0.15	33724	437 (5.27)	440 (3.47)	449 (7.39)	422 (11.04)	327 (10.72)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Learning Mathematics is worthwhile for me because it will improve my career <prospects, chances>.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	549 (2.60)	520 (2.18)	500 (4.77)	473 (5.79)	410 (12.35)
AUT	85931	1.08	85003	503 (4.66)	514 (3.41)	510 (4.18)	497 (4.62)	449 (20.19)
BEL	111831	1.79	109825	543 (3.86)	544 (2.51)	535 (3.20)	504 (4.76)	377 (20.61)
CAN	330436	9.70	298375	563 (2.26)	529 (1.68)	505 (2.84)	484 (4.63)	511 (8.96)
CZE	121183	4.09	116221	533 (4.46)	526 (3.47)	514 (4.36)	481 (7.09)	436 (27.01)
DNK	51741	0.65	51406	533 (3.38)	510 (2.90)	492 (4.90)	476 (9.88)	435 (15.07)
FIN	57884	0.07	57845	578 (3.46)	539 (1.80)	521 (3.42)	477 (8.84)	515 (8.83)
FRA	734579	0.87	728167	529 (4.21)	517 (2.92)	496 (3.00)	480 (5.12)	426 (14.54)
DEU	884358	5.57	835070	507 (4.42)	519 (3.61)	514 (5.07)	483 (8.18)	426 (14.34)
GRC	105131	0.13	104991	464 (4.66)	447 (4.21)	434 (4.92)	420 (6.33)	347 (16.01)
HUN	107044	0.06	106984	513 (5.25)	490 (2.91)	479 (3.82)	478 (6.58)	426 (22.78)
ISL	3928	0.63	3903	537 (2.76)	512 (2.47)	493 (5.03)	455 (7.40)	. (.)
IRL	54850	1.03	54285	520 (3.39)	502 (2.48)	487 (5.26)	466 (7.11)	411 (14.67)
ITA	481521	0.20	480573	470 (5.08)	472 (3.04)	458 (4.21)	435 (6.36)	371 (16.53)
JPN	1240054	0.10	1238855	577 (6.97)	551 (4.75)	531 (4.16)	494 (5.36)	448 (27.77)
KOR	533504	.	533504	599 (4.69)	556 (3.67)	517 (3.21)	485 (4.63)	. (.)
LUX	4080	0.10	4076	494 (3.77)	494 (2.05)	499 (2.45)	485 (3.23)	440 (13.47)
MEX	1071650	0.37	1067674	398 (4.22)	388 (3.27)	360 (10.84)	349 (9.51)	302 (6.33)
NLD	184943	3.17	179074	546 (6.39)	549 (3.36)	540 (4.19)	510 (5.69)	487 (11.83)
NZL	48638	0.93	48186	548 (3.56)	519 (2.48)	495 (4.71)	471 (8.72)	. (.)
NOR	52816	0.77	52407	530 (3.62)	495 (2.67)	462 (5.10)	429 (5.13)	408 (12.29)
POL	534900	.	534900	512 (4.61)	491 (2.74)	473 (5.58)	452 (7.11)	373 (13.37)
PRT	96857	0.23	96637	486 (4.50)	461 (3.33)	442 (5.62)	427 (9.25)	421 (9.47)
SVK	77067	0.04	77034	510 (4.57)	501 (3.77)	492 (4.23)	470 (6.49)	406 (26.09)
ESP	344372	0.07	344114	507 (3.32)	489 (2.60)	463 (3.89)	437 (5.43)	389 (17.68)
SWE	107104	0.27	106810	536 (4.71)	507 (2.49)	484 (5.01)	447 (7.32)	426 (20.84)
CHE	86491	0.14	86370	523 (3.40)	529 (4.26)	534 (5.13)	523 (8.01)	455 (17.77)
TUR	481279	0.03	481137	442 (7.83)	427 (7.22)	411 (9.03)	402 (7.55)	320 (6.89)
GBR	698579	3.73	672529	529 (3.35)	504 (2.77)	489 (5.54)	472 (7.58)	415 (17.15)
USA	3147089	0.76	3123066	506 (4.28)	483 (2.98)	466 (4.43)	433 (6.31)	395 (15.66)
TOT	.	1.34	.	498 (1.72)	492 (1.14)	494 (1.65)	466 (2.27)	371 (5.49)
AVG	.	1.23	.	515 (0.96)	503 (0.67)	496 (0.97)	473 (1.14)	399 (3.96)
HKG	72484	0.21	72334	582 (5.10)	553 (4.91)	524 (5.10)	474 (11.26)	. (.)
IDN	1971476	0.00	1971403	354 (4.56)	368 (3.91)	359 (8.07)	323 (13.91)	287 (7.29)
LVA	33643	0.23	33565	511 (4.88)	481 (3.81)	456 (5.66)	454 (9.69)	410 (16.45)
LIE	338	.	338	531 (9.28)	533 (7.09)	542 (11.57)	. (.)	. (.)
MAC	6546	.	6546	529 (5.49)	528 (3.90)	524 (11.38)	517 (15.56)	. (.)
RUS	2153373	0.02	2152991	494 (5.64)	472 (4.27)	452 (4.71)	461 (6.13)	376 (8.96)
YUG	68596	0.57	68202	441 (5.46)	445 (3.95)	443 (4.91)	434 (6.54)	358 (8.23)
THA	637076	.	637076	423 (4.10)	415 (3.03)	410 (5.99)	424 (16.87)	392 (18.88)
TUN	150875	0.07	150770	377 (3.26)	356 (2.90)	332 (3.70)	339 (5.41)	294 (6.26)
URY	33775	0.15	33724	434 (5.27)	426 (3.42)	423 (5.63)	395 (7.50)	320 (7.76)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Learning Mathematics is worthwhile for me because it will improve my career <prospects, chances>.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	550 (2.67)	520 (2.23)	503 (4.79)	479 (6.31)	405 (11.85)
AUT	85931	1.08	85003	480 (4.71)	495 (3.84)	500 (4.40)	492 (5.01)	421 (21.99)
BEL	111831	1.79	109825	523 (4.11)	522 (2.49)	512 (3.59)	490 (5.50)	350 (17.78)
CAN	330436	9.70	298375	547 (2.56)	517 (1.90)	493 (3.12)	475 (5.16)	492 (8.95)
CZE	121183	4.09	116221	531 (4.78)	532 (3.22)	525 (4.85)	499 (8.21)	447 (27.68)
DNK	51741	0.65	51406	496 (3.65)	470 (3.64)	453 (5.81)	433 (12.27)	387 (17.99)
FIN	57884	0.07	57845	578 (3.42)	543 (2.06)	528 (3.84)	490 (9.81)	519 (11.04)
FRA	734579	0.87	728167	530 (5.18)	516 (3.70)	498 (4.09)	489 (6.86)	422 (19.30)
DEU	884358	5.57	835070	504 (4.54)	520 (3.83)	514 (5.62)	492 (9.01)	417 (16.53)
GRC	105131	0.13	104991	492 (5.13)	481 (4.25)	479 (4.89)	466 (6.55)	404 (14.78)
HUN	107044	0.06	106984	522 (5.53)	503 (2.84)	494 (3.94)	504 (6.68)	432 (24.87)
ISL	3928	0.63	3903	517 (2.91)	491 (2.51)	478 (5.65)	441 (8.27)	. (.)
IRL	54850	1.03	54285	520 (3.99)	504 (2.77)	491 (5.85)	484 (7.78)	423 (17.10)
ITA	481521	0.20	480573	487 (5.98)	491 (3.23)	484 (4.59)	470 (7.16)	389 (22.52)
JPN	1240054	0.10	1238855	590 (7.51)	565 (4.90)	542 (4.48)	512 (5.65)	458 (28.79)
KOR	533504	.	533504	594 (4.87)	553 (4.09)	512 (3.65)	485 (5.35)	. (.)
LUX	4080	0.10	4076	480 (4.95)	484 (2.39)	491 (2.75)	478 (3.50)	393 (16.23)
MEX	1071650	0.37	1067674	418 (4.18)	407 (3.03)	379 (11.26)	365 (10.77)	333 (6.34)
NLD	184943	3.17	179074	528 (7.63)	533 (3.58)	529 (4.47)	503 (6.63)	473 (14.71)
NZL	48638	0.93	48186	543 (3.61)	516 (2.69)	497 (5.21)	482 (10.42)	. (.)
NOR	52816	0.77	52407	520 (4.02)	485 (3.24)	452 (5.91)	417 (6.98)	388 (16.49)
POL	534900	.	534900	518 (4.95)	498 (2.96)	484 (7.51)	471 (9.02)	391 (13.46)
PRT	96857	0.23	96637	484 (4.32)	465 (3.47)	450 (6.71)	440 (10.12)	401 (11.14)
SVK	77067	0.04	77034	508 (5.28)	496 (4.02)	492 (4.66)	483 (7.51)	390 (24.31)
ESP	344372	0.07	344114	512 (3.39)	491 (2.90)	464 (4.27)	439 (6.65)	363 (20.27)
SWE	107104	0.27	106810	528 (5.03)	505 (2.64)	488 (5.70)	449 (10.00)	418 (25.51)
CHE	86491	0.14	86370	503 (3.40)	517 (5.07)	527 (5.42)	514 (10.38)	440 (17.61)
TUR	481279	0.03	481137	448 (6.89)	436 (6.49)	427 (7.24)	418 (7.44)	359 (7.92)
GBR	698579	3.73	672529	539 (3.49)	515 (3.02)	499 (6.26)	486 (9.41)	415 (16.74)
USA	3147089	0.76	3123066	514 (4.72)	492 (3.06)	472 (4.89)	452 (6.92)	397 (19.20)
TOT	.	1.34	.	503 (1.76)	498 (1.11)	501 (1.85)	480 (2.58)	384 (5.60)
AVG	.	1.23	.	511 (0.92)	502 (0.63)	498 (0.98)	478 (1.33)	400 (3.64)
HKG	72484	0.21	72334	563 (4.95)	542 (4.66)	518 (4.98)	480 (10.98)	. (.)
IDN	1971476	0.00	1971403	393 (3.94)	399 (3.20)	397 (6.56)	381 (15.56)	344 (6.62)
LVA	33643	0.23	33565	513 (4.50)	488 (4.50)	463 (5.40)	467 (11.54)	415 (14.62)
LIE	338	.	338	516 (10.22)	521 (7.74)	536 (10.89)	. (.)	. (.)
MAC	6546	.	6546	531 (6.53)	527 (4.00)	512 (10.89)	487 (21.16)	. (.)
RUS	2153373	0.02	2152991	512 (5.38)	494 (4.08)	475 (5.17)	482 (7.58)	387 (9.83)
YUG	68596	0.57	68202	435 (5.07)	441 (3.98)	440 (4.82)	450 (6.54)	384 (9.88)
THA	637076	.	637076	435 (3.54)	427 (2.83)	427 (6.02)	442 (18.59)	386 (20.32)
TUN	150875	0.07	150770	400 (3.38)	381 (2.99)	365 (4.70)	374 (6.52)	328 (7.78)
URY	33775	0.15	33724	445 (4.87)	443 (3.05)	445 (6.80)	422 (7.35)	342 (8.38)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Learning Mathematics is worthwhile for me because it will improve my career <prospects, chances>.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	552 (2.57)	526 (1.98)	508 (4.78)	483 (6.02)	415 (11.66)
AUT	85931	1.08	85003	503 (5.03)	513 (3.21)	513 (4.01)	498 (4.32)	441 (20.98)
BEL	111831	1.79	109825	538 (3.94)	539 (2.54)	529 (3.10)	499 (5.10)	394 (11.72)
CAN	330436	9.70	298375	559 (2.16)	527 (1.54)	503 (3.06)	481 (4.74)	507 (8.40)
CZE	121183	4.09	116221	530 (4.27)	526 (3.40)	516 (4.38)	485 (6.68)	442 (30.55)
DNK	51741	0.65	51406	533 (3.18)	513 (2.84)	499 (4.77)	482 (9.36)	436 (16.80)
FIN	57884	0.07	57845	578 (3.00)	542 (1.85)	530 (4.19)	480 (9.01)	529 (8.90)
FRA	734579	0.87	728167	535 (4.04)	525 (3.30)	507 (3.61)	492 (5.60)	443 (18.12)
DEU	884358	5.57	835070	512 (4.12)	527 (3.49)	524 (4.88)	497 (8.25)	438 (14.75)
GRC	105131	0.13	104991	463 (5.31)	451 (4.07)	443 (4.98)	423 (7.05)	349 (16.12)
HUN	107044	0.06	106984	525 (5.41)	501 (2.85)	491 (4.15)	484 (6.40)	449 (22.76)
ISL	3928	0.63	3903	527 (2.81)	501 (2.09)	487 (5.25)	449 (8.13)	. (.)
IRL	54850	1.03	54285	515 (3.27)	497 (2.58)	485 (5.29)	468 (6.46)	400 (14.70)
ITA	481521	0.20	480573	473 (5.43)	477 (3.05)	463 (3.96)	437 (6.54)	344 (18.56)
JPN	1240054	0.10	1238855	589 (6.90)	565 (4.74)	543 (4.06)	508 (5.66)	442 (34.71)
KOR	533504	.	533504	596 (4.71)	563 (3.47)	528 (3.23)	503 (4.56)	. (.)
LUX	4080	0.10	4076	491 (4.79)	495 (2.15)	501 (2.41)	487 (3.27)	435 (12.99)
MEX	1071650	0.37	1067674	397 (5.19)	389 (3.85)	363 (11.59)	337 (13.02)	291 (8.08)
NLD	184943	3.17	179074	527 (6.44)	529 (3.51)	520 (4.27)	489 (6.49)	462 (12.46)
NZL	48638	0.93	48186	553 (3.36)	529 (2.44)	507 (5.11)	490 (9.52)	. (.)
NOR	52816	0.77	52407	522 (4.33)	492 (2.79)	460 (5.47)	419 (5.55)	405 (13.36)
POL	534900	.	534900	507 (4.67)	488 (2.79)	469 (6.40)	455 (8.47)	349 (23.04)
PRT	96857	0.23	96637	489 (4.74)	466 (3.91)	447 (6.35)	425 (8.58)	435 (10.24)
SVK	77067	0.04	77034	502 (4.46)	494 (3.84)	489 (4.51)	465 (6.74)	411 (26.65)
ESP	344372	0.07	344114	501 (3.21)	488 (3.08)	461 (4.36)	436 (5.91)	368 (20.25)
SWE	107104	0.27	106810	528 (4.58)	508 (2.45)	493 (4.31)	450 (7.77)	436 (21.55)
CHE	86491	0.14	86370	513 (3.44)	525 (3.93)	534 (4.61)	526 (7.74)	439 (17.37)
TUR	481279	0.03	481137	424 (6.84)	413 (6.27)	394 (8.37)	385 (7.14)	301 (6.19)
GBR	698579	3.73	672529	529 (3.29)	507 (2.71)	495 (5.45)	470 (8.00)	425 (17.66)
USA	3147089	0.76	3123066	502 (4.50)	478 (3.16)	458 (4.67)	425 (7.09)	399 (16.85)
TOT	.	1.34	.	496 (1.76)	492 (1.24)	498 (1.72)	471 (2.48)	367 (6.05)
AVG	.	1.23	.	512 (0.96)	503 (0.67)	499 (0.97)	475 (1.21)	396 (4.25)
HKG	72484	0.21	72334	574 (4.63)	550 (4.60)	526 (5.11)	483 (11.11)	. (.)
IDN	1971476	0.00	1971403	355 (3.94)	368 (3.30)	366 (7.30)	335 (17.55)	302 (6.87)
LVA	33643	0.23	33565	511 (4.82)	481 (4.14)	454 (6.25)	451 (10.80)	385 (13.22)
LIE	338	.	338	521 (8.52)	524 (6.98)	542 (10.28)	. (.)	. (.)
MAC	6546	.	6546	530 (5.80)	534 (3.44)	531 (9.95)	526 (14.89)	. (.)
RUS	2153373	0.02	2152991	506 (6.09)	484 (4.47)	462 (5.29)	465 (8.11)	357 (12.17)
YUG	68596	0.57	68202	422 (5.24)	428 (3.61)	428 (5.01)	419 (7.30)	341 (9.22)
THA	637076	.	637076	436 (4.02)	422 (2.95)	415 (6.00)	426 (14.28)	367 (20.51)
TUN	150875	0.07	150770	357 (2.93)	344 (2.57)	325 (3.88)	334 (6.03)	294 (7.37)
URY	33775	0.15	33724	419 (5.96)	416 (3.62)	416 (6.78)	389 (9.10)	302 (8.86)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I am interested in the things I learn in Mathematics.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234787	8.94 (0.38)	40.90 (0.65)	37.06 (0.59)	11.60 (0.42)	1.50 (0.14)
AUT	85931	1.08	85003	9.81 (0.52)	30.61 (0.89)	36.00 (0.91)	22.33 (0.82)	1.25 (0.42)
BEL	111831	1.79	109825	8.27 (0.38)	43.49 (0.71)	29.97 (0.62)	14.82 (0.48)	3.46 (0.48)
CAN	330436	9.70	298375	12.21 (0.47)	38.21 (0.50)	33.18 (0.52)	13.82 (0.37)	2.58 (0.24)
CZE	121183	4.09	116221	4.78 (0.38)	34.81 (0.85)	47.63 (0.95)	11.49 (0.55)	1.29 (0.34)
DNK	51741	0.65	51406	14.44 (0.59)	48.85 (0.95)	27.17 (0.73)	6.34 (0.42)	3.20 (0.31)
FIN	57884	0.07	57845	8.37 (0.39)	36.15 (0.72)	40.66 (0.75)	12.69 (0.58)	2.13 (0.22)
FRA	734579	0.87	728167	13.77 (0.62)	52.36 (0.92)	21.93 (0.73)	10.29 (0.57)	1.64 (0.22)
DEU	884358	5.57	835070	17.91 (0.57)	36.58 (0.84)	30.90 (0.85)	12.94 (0.55)	1.68 (0.25)
GRC	105131	0.13	104991	10.92 (0.52)	38.12 (0.93)	38.30 (0.94)	11.21 (0.63)	1.45 (0.22)
HUN	107044	0.06	106984	5.79 (0.39)	34.12 (0.95)	45.74 (0.88)	13.10 (0.65)	1.25 (0.21)
ISL	3928	0.63	3903	12.41 (0.57)	35.74 (0.84)	32.45 (0.83)	18.57 (0.66)	0.83 (.)
IRL	54850	1.03	54285	8.81 (0.51)	38.38 (1.03)	37.86 (0.85)	13.44 (0.60)	1.51 (0.23)
ITA	481521	0.20	480573	10.75 (0.47)	48.63 (0.87)	29.94 (0.76)	9.45 (0.56)	1.23 (0.16)
JPN	1240054	0.10	1238855	7.64 (0.51)	24.61 (0.81)	41.67 (0.84)	25.33 (1.02)	0.76 (0.18)
KOR	533504	.	533504	9.35 (0.48)	34.58 (0.71)	38.47 (0.79)	17.19 (0.67)	0.42 (.)
LUX	4080	0.10	4076	11.04 (0.50)	31.36 (0.78)	32.74 (0.77)	23.30 (0.60)	1.57 (0.19)
MEX	1071650	0.37	1067674	23.04 (0.85)	57.74 (0.83)	10.29 (0.60)	2.02 (0.20)	6.92 (0.63)
NLD	184943	3.23	178963	6.31 (0.42)	38.83 (1.00)	39.02 (1.00)	13.90 (0.67)	1.93 (0.25)
NZL	48638	0.93	48186	10.31 (0.50)	44.68 (0.91)	33.14 (0.82)	10.34 (0.59)	1.53 (0.17)
NOR	52816	0.77	52407	10.99 (0.59)	37.81 (0.93)	30.93 (0.93)	17.57 (0.78)	2.70 (0.30)
POL	534900	.	534900	8.10 (0.46)	44.88 (0.94)	37.03 (0.93)	8.74 (0.51)	1.25 (0.26)
PRT	96857	0.23	96637	12.86 (0.61)	54.79 (0.80)	23.49 (0.76)	6.44 (0.41)	2.41 (0.27)
SVK	77067	0.04	77034	5.96 (0.33)	50.66 (0.76)	34.28 (0.79)	6.99 (0.47)	2.12 (0.47)
ESP	344372	0.07	344114	10.82 (0.53)	49.32 (0.89)	27.13 (0.84)	11.35 (0.44)	1.38 (0.15)
SWE	107104	0.27	106810	10.38 (0.52)	41.95 (0.88)	33.48 (0.89)	12.07 (0.57)	2.12 (0.21)
CHE	86491	0.14	86370	16.03 (0.56)	42.53 (0.76)	28.35 (0.92)	10.93 (0.46)	2.16 (0.18)
TUR	481279	0.03	481137	20.14 (0.92)	40.30 (1.10)	24.70 (0.85)	7.94 (0.56)	6.92 (0.87)
GBR	698579	3.73	672529	8.48 (0.33)	40.15 (0.92)	38.11 (0.99)	11.68 (0.51)	1.59 (0.21)
USA	3147089	0.76	3123066	11.23 (0.42)	39.53 (0.75)	34.57 (0.71)	13.34 (0.54)	1.33 (0.17)
TOT	.	1.34	.	12.23 (0.18)	41.04 (0.28)	31.94 (0.25)	12.67 (0.20)	2.12 (0.09)
AVG	.	1.23	.	11.00 (0.10)	41.05 (0.14)	33.18 (0.15)	12.70 (0.12)	2.07 (0.06)
HKG	72484	0.21	72334	10.33 (0.55)	40.50 (0.84)	38.38 (0.88)	10.38 (0.62)	0.40 (.)
IDN	1971476	0.00	1971403	10.24 (0.47)	56.38 (0.91)	27.35 (0.97)	0.89 (0.21)	5.15 (0.53)
LVA	33643	0.23	33565	5.66 (0.57)	49.08 (0.94)	38.33 (1.11)	5.85 (0.46)	1.07 (0.22)
LIE	338	.	338	15.39 (1.73)	38.36 (2.35)	34.87 (2.61)	10.78 (1.76)	0.59 (.)
MAC	6546	.	6546	8.50 (0.98)	34.02 (1.62)	47.30 (1.56)	9.51 (0.98)	0.68 (.)
RUS	2153373	0.02	2152991	10.24 (0.50)	56.42 (0.97)	25.97 (0.86)	4.51 (0.45)	2.86 (0.32)
YUG	68596	0.57	68202	8.86 (0.53)	36.10 (0.95)	35.48 (0.75)	12.50 (0.69)	7.07 (0.74)
THA	637076	.	637076	13.06 (0.56)	69.99 (0.67)	15.24 (0.59)	0.82 (0.14)	0.90 (0.14)
TUN	150875	0.07	150770	36.92 (1.01)	42.27 (0.99)	13.20 (0.62)	4.42 (0.31)	3.20 (0.29)
URY	33775	0.15	33724	16.98 (0.65)	49.70 (0.76)	21.65 (0.63)	6.27 (0.31)	5.40 (0.40)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I am interested in the things I learn in Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	534 (4.91)	530 (2.55)	525 (2.48)	520 (4.44)	434 (11.15)
AUT	85931	1.08	85003	481 (7.52)	488 (5.47)	498 (3.43)	501 (4.32)	448 (28.95)
BEL	111831	1.79	109825	511 (6.17)	519 (3.14)	518 (2.86)	503 (4.70)	365 (21.98)
CAN	330436	9.70	298375	542 (4.38)	536 (1.94)	530 (2.05)	515 (2.90)	509 (6.53)
CZE	121183	4.09	116221	502 (8.35)	501 (3.76)	495 (2.91)	488 (4.41)	438 (19.77)
DNK	51741	0.65	51406	508 (4.77)	499 (3.30)	484 (3.84)	469 (7.34)	451 (12.29)
FIN	57884	0.07	57845	568 (4.54)	551 (2.47)	541 (2.19)	522 (4.19)	501 (8.15)
FRA	734579	0.87	728167	502 (4.60)	501 (3.50)	495 (3.57)	489 (5.82)	403 (15.42)
DEU	884358	5.57	835070	489 (5.86)	500 (3.98)	514 (3.91)	502 (5.24)	391 (16.89)
GRC	105131	0.13	104991	471 (7.43)	469 (4.74)	481 (4.71)	470 (5.67)	354 (24.32)
HUN	107044	0.06	106984	489 (8.21)	480 (3.31)	482 (3.01)	490 (4.66)	405 (18.02)
ISL	3928	0.63	3903	510 (5.23)	503 (3.22)	488 (3.13)	473 (3.96)	. (.)
IRL	54850	1.03	54285	533 (5.75)	515 (3.63)	517 (2.76)	507 (4.42)	414 (18.81)
ITA	481521	0.20	480573	470 (6.50)	478 (3.38)	479 (3.61)	471 (5.68)	389 (16.69)
JPN	1240054	0.10	1238855	523 (7.98)	524 (4.71)	498 (4.18)	471 (5.62)	359 (34.71)
KOR	533504	.	533504	571 (4.85)	554 (3.49)	521 (3.21)	507 (4.18)	. (.)
LUX	4080	0.10	4076	458 (6.58)	480 (2.98)	487 (2.96)	486 (3.02)	364 (18.04)
MEX	1071650	0.37	1067674	399 (5.74)	408 (3.72)	413 (6.48)	433 (8.70)	305 (7.12)
NLD	184943	3.23	178963	516 (7.01)	518 (3.58)	519 (3.35)	514 (4.69)	499 (11.83)
NZL	48638	0.93	48186	524 (6.17)	523 (3.42)	527 (2.88)	520 (5.74)	457 (13.80)
NOR	52816	0.77	52407	526 (6.49)	521 (3.49)	494 (3.34)	459 (4.57)	444 (13.81)
POL	534900	.	534900	509 (5.41)	496 (3.28)	500 (3.42)	494 (5.80)	370 (21.85)
PRT	96857	0.23	96637	487 (7.10)	480 (3.82)	478 (4.53)	462 (7.21)	422 (11.38)
SVK	77067	0.04	77034	464 (7.49)	472 (3.46)	473 (3.85)	460 (6.00)	399 (17.70)
ESP	344372	0.07	344114	486 (4.21)	487 (3.51)	483 (2.76)	455 (5.32)	365 (16.19)
SWE	107104	0.27	106810	530 (7.12)	520 (3.35)	515 (3.31)	491 (4.90)	460 (13.82)
CHE	86491	0.14	86370	487 (5.51)	498 (3.67)	508 (3.84)	509 (4.47)	445 (12.70)
TUR	481279	0.03	481137	452 (8.33)	453 (7.19)	440 (5.21)	436 (6.43)	352 (5.78)
GBR	698579	3.73	672529	516 (5.43)	510 (3.29)	505 (3.17)	503 (5.07)	432 (15.03)
USA	3147089	0.76	3123066	507 (6.00)	494 (3.62)	502 (3.89)	487 (4.50)	380 (19.48)
TOT	.	1.34	.	486 (1.98)	489 (1.37)	498 (1.40)	486 (1.93)	367 (4.90)
AVG	.	1.23	.	495 (1.24)	498 (0.74)	500 (0.72)	490 (0.93)	402 (3.36)
HKG	72484	0.21	72334	527 (4.68)	521 (3.87)	501 (4.08)	484 (6.76)	. (.)
IDN	1971476	0.00	1971403	364 (4.94)	380 (3.22)	402 (4.85)	387 (19.06)	321 (8.55)
LVA	33643	0.23	33565	491 (12.20)	493 (3.76)	490 (4.05)	487 (8.35)	432 (14.62)
LIE	338	.	338	505 (14.50)	514 (7.89)	543 (7.96)	539 (14.96)	. (.)
MAC	6546	.	6546	505 (8.21)	500 (4.28)	495 (3.08)	495 (7.37)	. (.)
RUS	2153373	0.02	2152991	448 (5.44)	445 (3.89)	443 (5.13)	449 (12.01)	342 (11.60)
YUG	68596	0.57	68202	400 (6.93)	412 (4.05)	422 (3.78)	433 (4.80)	339 (8.94)
THA	637076	.	637076	433 (4.55)	417 (2.77)	426 (5.07)	435 (14.00)	379 (15.78)
TUN	150875	0.07	150770	376 (4.24)	378 (3.17)	374 (4.59)	379 (8.26)	311 (10.49)
URY	33775	0.15	33724	436 (6.67)	438 (3.45)	450 (4.39)	424 (7.70)	342 (8.87)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I am interested in the things I learn in Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	556 (4.62)	535 (2.51)	517 (2.46)	496 (3.62)	457 (9.66)
AUT	85931	1.08	85003	524 (6.91)	516 (4.78)	506 (3.16)	493 (4.10)	458 (17.60)
BEL	111831	1.79	109825	546 (6.11)	546 (2.96)	538 (2.63)	506 (3.81)	404 (20.79)
CAN	330436	9.70	298375	569 (3.45)	546 (2.19)	528 (1.97)	501 (2.50)	517 (7.47)
CZE	121183	4.09	116221	558 (8.61)	538 (4.36)	515 (3.15)	497 (4.43)	459 (20.26)
DNK	51741	0.65	51406	555 (5.18)	527 (3.00)	489 (3.20)	462 (5.65)	473 (11.98)
FIN	57884	0.07	57845	609 (5.15)	561 (2.52)	532 (1.95)	499 (3.77)	518 (8.30)
FRA	734579	0.87	728167	533 (5.03)	520 (3.04)	501 (3.12)	479 (4.71)	438 (12.45)
DEU	884358	5.57	835070	522 (6.17)	516 (3.70)	512 (3.72)	492 (5.10)	417 (13.22)
GRC	105131	0.13	104991	474 (6.96)	448 (4.40)	445 (4.41)	419 (4.61)	349 (17.21)
HUN	107044	0.06	106984	521 (9.01)	497 (3.78)	485 (3.25)	483 (4.47)	416 (18.34)
ISL	3928	0.63	3903	554 (4.91)	533 (2.55)	507 (2.92)	474 (3.41)	. (.)
IRL	54850	1.03	54285	538 (5.90)	508 (3.58)	501 (2.60)	478 (4.21)	415 (16.84)
ITA	481521	0.20	480573	481 (6.21)	472 (3.15)	461 (3.77)	443 (4.53)	393 (13.34)
JPN	1240054	0.10	1238855	582 (8.70)	568 (5.16)	532 (3.79)	493 (4.81)	449 (28.69)
KOR	533504	.	533504	606 (4.84)	572 (3.67)	522 (3.41)	495 (4.04)	. (.)
LUX	4080	0.10	4076	500 (5.42)	502 (2.39)	494 (2.41)	482 (2.54)	420 (12.80)
MEX	1071650	0.37	1067674	393 (4.99)	392 (3.48)	386 (6.16)	394 (8.56)	299 (6.79)
NLD	184943	3.23	178963	566 (7.82)	552 (3.70)	541 (3.41)	516 (4.55)	506 (11.27)
NZL	48638	0.93	48186	550 (6.32)	532 (3.03)	520 (2.57)	495 (4.65)	440 (11.55)
NOR	52816	0.77	52407	544 (5.87)	520 (3.30)	482 (2.70)	443 (3.33)	442 (10.77)
POL	534900	.	534900	527 (5.93)	496 (3.19)	485 (2.64)	469 (4.44)	380 (16.26)
PRT	96857	0.23	96637	490 (7.03)	471 (3.49)	455 (3.98)	438 (6.83)	418 (9.55)
SVK	77067	0.04	77034	502 (7.64)	504 (3.66)	498 (3.84)	478 (4.61)	422 (21.17)
ESP	344372	0.07	344114	505 (4.40)	494 (3.06)	481 (2.95)	450 (4.31)	396 (14.12)
SWE	107104	0.27	106810	555 (6.74)	521 (3.67)	500 (2.73)	467 (3.74)	452 (12.68)
CHE	86491	0.14	86370	541 (5.83)	532 (3.78)	523 (3.95)	505 (4.65)	472 (12.84)
TUR	481279	0.03	481137	446 (9.48)	438 (8.38)	416 (6.39)	405 (5.71)	320 (5.05)
GBR	698579	3.73	672529	535 (4.94)	516 (3.25)	501 (3.12)	492 (4.92)	440 (13.32)
USA	3147089	0.76	3123066	507 (6.00)	484 (3.34)	485 (3.13)	465 (4.00)	403 (15.16)
TOT	.	1.34	.	501 (2.16)	492 (1.28)	495 (1.19)	477 (1.64)	375 (4.74)
AVG	.	1.23	.	520 (1.39)	508 (0.73)	499 (0.70)	479 (0.88)	411 (3.49)
HKG	72484	0.21	72334	596 (5.37)	571 (4.66)	532 (4.87)	498 (6.82)	. (.)
IDN	1971476	0.00	1971403	347 (5.43)	361 (3.59)	377 (6.02)	348 (15.47)	295 (7.15)
LVA	33643	0.23	33565	501 (9.81)	489 (3.93)	479 (4.39)	462 (6.90)	422 (15.01)
LIE	338	.	338	542 (16.06)	534 (8.87)	538 (6.88)	525 (15.79)	. (.)
MAC	6546	.	6546	561 (13.57)	539 (5.53)	515 (4.43)	519 (8.90)	. (.)
RUS	2153373	0.02	2152991	490 (6.41)	473 (4.21)	460 (4.82)	464 (7.89)	382 (7.66)
YUG	68596	0.57	68202	441 (6.91)	444 (4.51)	443 (3.72)	438 (4.59)	362 (7.85)
THA	637076	.	637076	432 (5.89)	414 (3.02)	417 (4.17)	416 (15.13)	397 (15.36)
TUN	150875	0.07	150770	372 (3.40)	360 (2.99)	341 (3.24)	340 (5.73)	293 (7.78)
URY	33775	0.15	33724	439 (5.68)	428 (3.41)	427 (4.35)	400 (4.94)	325 (6.54)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I am interested in the things I learn in Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	547 (5.17)	533 (2.63)	520 (2.57)	508 (3.68)	452 (9.77)
AUT	85931	1.08	85003	496 (7.32)	495 (5.17)	494 (3.33)	490 (4.01)	433 (20.06)
BEL	111831	1.79	109825	522 (6.16)	522 (2.97)	517 (2.75)	492 (4.26)	381 (18.78)
CAN	330436	9.70	298375	548 (4.19)	531 (2.28)	517 (2.32)	494 (3.43)	499 (7.99)
CZE	121183	4.09	116221	551 (9.83)	538 (4.40)	525 (3.16)	511 (4.51)	469 (21.66)
DNK	51741	0.65	51406	513 (6.06)	486 (3.53)	454 (3.50)	431 (6.41)	419 (12.51)
FIN	57884	0.07	57845	602 (5.01)	561 (3.15)	539 (2.97)	510 (4.36)	521 (9.70)
FRA	734579	0.87	728167	533 (5.87)	518 (4.16)	503 (3.79)	488 (6.39)	439 (16.70)
DEU	884358	5.57	835070	515 (6.35)	515 (3.98)	515 (4.03)	500 (5.57)	405 (16.02)
GRC	105131	0.13	104991	495 (7.75)	480 (4.64)	486 (4.30)	464 (4.92)	406 (17.66)
HUN	107044	0.06	106984	521 (9.44)	505 (3.75)	501 (3.36)	508 (4.43)	426 (19.88)
ISL	3928	0.63	3903	528 (5.01)	508 (3.05)	488 (2.83)	465 (3.78)	. (.)
IRL	54850	1.03	54285	532 (7.00)	506 (3.92)	505 (2.91)	491 (4.67)	428 (17.22)
ITA	481521	0.20	480573	491 (6.57)	488 (3.37)	488 (3.99)	480 (5.60)	411 (15.01)
JPN	1240054	0.10	1238855	589 (9.04)	579 (5.29)	545 (4.33)	513 (5.52)	440 (32.34)
KOR	533504	.	533504	591 (5.45)	565 (4.11)	520 (3.78)	500 (4.95)	. (.)
LUX	4080	0.10	4076	481 (6.50)	490 (2.85)	485 (2.87)	476 (2.98)	383 (17.64)
MEX	1071650	0.37	1067674	412 (5.07)	411 (3.19)	407 (5.40)	412 (8.66)	328 (6.88)
NLD	184943	3.23	178963	539 (8.95)	534 (4.16)	528 (3.60)	512 (5.23)	491 (14.16)
NZL	48638	0.93	48186	532 (6.75)	524 (3.14)	523 (3.01)	510 (5.28)	443 (11.33)
NOR	52816	0.77	52407	529 (6.43)	508 (4.00)	474 (3.11)	435 (4.12)	428 (15.05)
POL	534900	.	534900	531 (6.83)	501 (3.44)	493 (3.31)	485 (5.79)	393 (18.20)
PRT	96857	0.23	96637	483 (6.64)	470 (3.77)	465 (4.18)	456 (7.06)	401 (12.51)
SVK	77067	0.04	77034	496 (9.09)	498 (4.24)	497 (4.56)	485 (6.01)	411 (18.80)
ESP	344372	0.07	344114	507 (3.94)	494 (3.58)	485 (2.87)	457 (5.61)	382 (16.18)
SWE	107104	0.27	106810	539 (7.71)	515 (3.72)	502 (3.80)	474 (4.76)	443 (14.96)
CHE	86491	0.14	86370	520 (5.98)	516 (4.09)	514 (5.24)	498 (5.47)	469 (14.76)
TUR	481279	0.03	481137	449 (8.45)	445 (7.60)	429 (5.17)	424 (6.09)	358 (6.22)
GBR	698579	3.73	672529	540 (5.39)	524 (3.45)	514 (3.38)	508 (5.42)	442 (14.48)
USA	3147089	0.76	3123066	511 (6.21)	490 (3.58)	495 (3.50)	480 (4.33)	405 (17.92)
TOT	.	1.34	.	503 (2.06)	497 (1.32)	503 (1.36)	491 (1.72)	387 (4.40)
AVG	.	1.23	.	513 (1.35)	505 (0.72)	502 (0.71)	486 (0.95)	412 (3.05)
HKG	72484	0.21	72334	570 (5.39)	555 (4.43)	526 (4.57)	501 (6.98)	. (.)
IDN	1971476	0.00	1971403	386 (4.47)	394 (3.10)	408 (5.17)	403 (13.76)	349 (6.58)
LVA	33643	0.23	33565	502 (10.40)	494 (4.18)	485 (4.24)	474 (7.57)	423 (16.02)
LIE	338	.	338	526 (17.80)	521 (10.38)	529 (8.56)	526 (15.32)	. (.)
MAC	6546	.	6546	553 (13.50)	538 (6.14)	514 (4.72)	508 (10.16)	. (.)
RUS	2153373	0.02	2152991	504 (5.84)	493 (4.34)	487 (4.72)	485 (9.51)	399 (9.73)
YUG	68596	0.57	68202	431 (6.93)	438 (4.18)	441 (3.61)	452 (5.12)	389 (9.19)
THA	637076	.	637076	441 (5.02)	426 (2.67)	434 (3.85)	444 (18.34)	394 (15.28)
TUN	150875	0.07	150770	395 (3.26)	385 (3.24)	371 (3.73)	378 (6.65)	324 (9.71)
URY	33775	0.15	33724	445 (6.81)	443 (3.05)	447 (4.14)	429 (7.06)	349 (7.42)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I am interested in the things I learn in Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	556 (4.48)	538 (2.33)	525 (2.28)	507 (3.70)	463 (8.95)
AUT	85931	1.08	85003	525 (6.50)	516 (4.64)	507 (3.19)	494 (3.77)	447 (19.34)
BEL	111831	1.79	109825	542 (5.68)	541 (2.99)	532 (2.47)	501 (4.07)	419 (13.21)
CAN	330436	9.70	298375	564 (3.83)	543 (2.06)	526 (2.00)	500 (2.70)	515 (6.25)
CZE	121183	4.09	116221	549 (9.57)	536 (4.12)	517 (3.03)	500 (4.39)	465 (23.58)
DNK	51741	0.65	51406	551 (4.72)	527 (2.94)	496 (2.86)	472 (5.60)	473 (12.14)
FIN	57884	0.07	57845	601 (5.04)	562 (2.56)	538 (2.13)	506 (4.17)	532 (8.38)
FRA	734579	0.87	728167	537 (4.79)	528 (3.31)	510 (3.26)	492 (5.16)	450 (14.10)
DEU	884358	5.57	835070	524 (5.58)	522 (3.68)	523 (3.68)	504 (5.09)	432 (13.18)
GRC	105131	0.13	104991	471 (7.54)	450 (4.51)	452 (4.27)	420 (5.37)	352 (17.87)
HUN	107044	0.06	106984	532 (8.46)	507 (3.93)	497 (3.44)	490 (4.30)	437 (17.88)
ISL	3928	0.63	3903	540 (4.41)	519 (2.47)	499 (2.76)	471 (3.44)	. (.)
IRL	54850	1.03	54285	529 (5.37)	503 (3.33)	497 (2.48)	477 (3.78)	408 (15.52)
ITA	481521	0.20	480573	481 (6.72)	477 (3.25)	466 (4.04)	447 (4.84)	373 (16.04)
JPN	1240054	0.10	1238855	595 (8.39)	580 (5.18)	546 (3.84)	507 (5.17)	425 (37.58)
KOR	533504	.	533504	602 (4.70)	575 (3.45)	534 (3.20)	512 (4.22)	. (.)
LUX	4080	0.10	4076	496 (5.70)	500 (2.82)	496 (2.43)	484 (2.63)	424 (14.07)
MEX	1071650	0.37	1067674	391 (6.13)	392 (4.02)	389 (8.01)	401 (10.75)	290 (8.01)
NLD	184943	3.23	178963	543 (7.92)	531 (3.71)	523 (3.38)	498 (5.45)	485 (12.19)
NZL	48638	0.93	48186	551 (5.85)	539 (2.80)	532 (2.90)	512 (4.72)	467 (14.36)
NOR	52816	0.77	52407	535 (7.11)	515 (3.30)	480 (3.04)	437 (3.59)	438 (11.64)
POL	534900	.	534900	519 (5.75)	490 (3.23)	484 (2.95)	470 (5.35)	361 (24.20)
PRT	96857	0.23	96637	492 (7.26)	474 (4.06)	460 (4.33)	442 (7.57)	431 (10.93)
SVK	77067	0.04	77034	495 (7.93)	497 (3.52)	492 (4.23)	472 (4.80)	428 (23.15)
ESP	344372	0.07	344114	499 (4.49)	491 (3.49)	480 (3.03)	448 (4.88)	379 (18.28)
SWE	107104	0.27	106810	540 (6.34)	518 (3.51)	503 (2.47)	473 (4.16)	462 (12.26)
CHE	86491	0.14	86370	529 (5.99)	524 (3.41)	522 (3.51)	510 (4.32)	465 (13.55)
TUR	481279	0.03	481137	429 (8.53)	422 (7.27)	401 (5.65)	392 (5.28)	300 (5.74)
GBR	698579	3.73	672529	533 (5.19)	517 (3.31)	504 (3.15)	494 (4.80)	445 (14.41)
USA	3147089	0.76	3123066	503 (6.06)	479 (3.66)	479 (3.23)	457 (4.57)	403 (16.76)
TOT	.	1.34	.	498 (2.16)	492 (1.39)	497 (1.23)	480 (1.78)	370 (5.17)
AVG	.	1.23	.	515 (1.33)	507 (0.76)	501 (0.71)	482 (0.90)	409 (3.60)
HKG	72484	0.21	72334	588 (4.96)	564 (4.47)	533 (4.50)	505 (6.60)	. (.)
IDN	1971476	0.00	1971403	350 (4.50)	360 (3.03)	378 (5.18)	357 (19.06)	309 (6.84)
LVA	33643	0.23	33565	501 (10.87)	489 (4.04)	477 (4.41)	463 (7.66)	395 (13.83)
LIE	338	.	338	534 (14.84)	525 (8.84)	534 (7.14)	521 (14.82)	. (.)
MAC	6546	.	6546	551 (11.44)	545 (5.14)	522 (4.04)	521 (8.05)	. (.)
RUS	2153373	0.02	2152991	495 (6.37)	484 (4.55)	474 (5.71)	468 (11.25)	372 (10.27)
YUG	68596	0.57	68202	420 (6.94)	426 (3.99)	428 (3.68)	426 (5.13)	345 (8.93)
THA	637076	.	637076	445 (5.66)	422 (2.77)	422 (4.42)	427 (14.59)	378 (16.59)
TUN	150875	0.07	150770	351 (3.12)	347 (2.64)	335 (3.98)	337 (6.56)	297 (6.75)
URY	33775	0.15	33724	425 (7.26)	415 (3.81)	420 (5.18)	390 (7.04)	311 (8.18)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Mathematics is an important subject for me because I need it for what I want to study later on.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.34	234787	28.92	(0.67)	44.03	(0.66)	19.80	(0.44)	6.23	(0.34)	1.01	(0.11)
AUT	85931	1.08	85003	11.78	(0.55)	23.49	(0.83)	32.74	(0.83)	30.45	(0.90)	1.53	(0.43)
BEL	111831	1.79	109825	15.36	(0.55)	39.07	(0.66)	28.14	(0.61)	14.31	(0.52)	3.12	(0.46)
CAN	330436	9.70	298375	30.23	(0.53)	40.86	(0.51)	18.01	(0.39)	8.26	(0.30)	2.65	(0.22)
CZE	121183	4.09	116221	20.66	(0.72)	52.15	(0.95)	20.43	(0.78)	5.50	(0.37)	1.26	(0.33)
DNK	51741	0.65	51406	31.85	(0.79)	40.59	(0.81)	19.96	(0.62)	4.63	(0.34)	2.98	(0.32)
FIN	57884	0.07	57845	21.22	(0.62)	51.19	(0.77)	19.71	(0.62)	5.89	(0.33)	1.99	(0.22)
FRA	734579	0.87	728167	25.61	(0.79)	37.95	(0.86)	23.04	(0.70)	11.66	(0.61)	1.74	(0.25)
DEU	884358	5.57	835070	18.62	(0.62)	28.92	(0.81)	30.39	(0.68)	20.30	(0.65)	1.76	(0.22)
GRC	105131	0.13	104991	20.65	(0.81)	41.35	(0.94)	26.11	(0.86)	10.35	(0.60)	1.56	(0.20)
HUN	107044	0.06	106984	16.89	(0.60)	51.36	(0.78)	23.51	(0.85)	7.31	(0.44)	0.93	(0.17)
ISL	3928	0.63	3903	34.16	(0.76)	44.42	(0.86)	14.54	(0.61)	6.14	(0.42)	0.74	(.)
IRL	54850	1.03	54285	22.59	(0.76)	42.68	(0.87)	25.23	(0.66)	7.86	(0.50)	1.64	(0.24)
ITA	481521	0.20	480573	16.59	(0.64)	49.08	(0.73)	24.65	(0.76)	8.69	(0.49)	1.00	(0.17)
JPN	1240054	0.10	1238855	10.57	(0.63)	30.48	(0.83)	37.70	(0.83)	20.50	(0.89)	0.74	(0.19)
KOR	533504	.	533504	15.77	(0.57)	42.16	(0.77)	28.21	(0.80)	13.58	(0.52)	0.28	(.)
LUX	4080	0.10	4076	18.20	(0.63)	31.54	(0.75)	28.48	(0.69)	20.04	(0.63)	1.74	(0.21)
MEX	1071650	0.37	1067674	34.65	(1.01)	42.49	(0.79)	14.10	(0.55)	3.06	(0.31)	5.69	(0.52)
NLD	184943	3.17	179074	14.29	(0.66)	47.81	(0.97)	26.76	(0.84)	9.50	(0.62)	1.64	(0.25)
NZL	48638	0.93	48186	28.02	(0.72)	48.28	(0.87)	17.91	(0.59)	4.88	(0.35)	0.91	(0.14)
NOR	52816	0.77	52407	28.98	(0.85)	45.18	(0.89)	15.35	(0.59)	8.79	(0.53)	1.70	(0.24)
POL	534900	.	534900	16.99	(0.61)	61.11	(0.94)	15.85	(0.58)	5.15	(0.43)	0.91	(0.21)
PRT	96857	0.23	96637	30.08	(0.83)	48.43	(0.83)	13.79	(0.58)	5.36	(0.34)	2.34	(0.29)
SVK	77067	0.04	77034	16.08	(0.64)	47.00	(1.11)	27.90	(0.78)	7.40	(0.53)	1.62	(0.54)
ESP	344372	0.07	344114	22.26	(0.81)	39.51	(0.70)	24.11	(0.74)	12.90	(0.53)	1.22	(0.16)
SWE	107104	0.27	106810	22.94	(0.88)	43.69	(0.82)	24.20	(0.75)	7.97	(0.40)	1.20	(0.16)
CHE	86491	0.14	86370	18.94	(0.60)	31.51	(0.70)	27.93	(0.74)	18.73	(0.48)	2.90	(0.27)
TUR	481279	0.03	481137	31.07	(1.20)	42.31	(1.15)	14.30	(0.61)	5.78	(0.45)	6.55	(0.89)
GBR	698579	3.73	672529	22.13	(0.61)	42.26	(0.72)	27.25	(0.55)	7.20	(0.45)	1.15	(0.19)
USA	3147089	0.76	3123066	25.32	(0.76)	46.44	(0.82)	19.85	(0.69)	7.03	(0.43)	1.35	(0.17)
TOT	.	1.34	.	22.59	(0.25)	42.17	(0.27)	23.25	(0.24)	10.07	(0.18)	1.92	(0.09)
AVG	.	1.23	.	22.37	(0.15)	42.60	(0.14)	22.99	(0.12)	10.18	(0.10)	1.86	(0.06)
HKG	72484	0.21	72334	15.78	(0.79)	54.50	(0.81)	23.70	(0.57)	5.85	(0.43)	0.18	(.)
IDN	1971476	0.00	1971403	34.37	(0.82)	56.95	(0.81)	4.66	(0.40)	0.55	(0.12)	3.47	(0.46)
LVA	33643	0.23	33565	17.71	(0.64)	49.11	(0.89)	26.99	(0.86)	5.17	(0.37)	1.01	(0.14)
LIE	338	.	338	22.87	(2.16)	27.24	(2.28)	34.02	(2.64)	13.79	(1.84)	2.08	(.)
MAC	6546	.	6546	17.91	(1.32)	52.39	(1.75)	24.02	(1.60)	5.40	(0.73)	0.28	(.)
RUS	2153373	0.02	2152991	18.96	(0.60)	47.10	(0.89)	27.09	(0.75)	4.22	(0.39)	2.63	(0.32)
YUG	68596	0.60	68187	13.99	(0.61)	36.39	(1.06)	29.87	(0.80)	12.86	(0.82)	6.89	(0.68)
THA	637076	.	637076	33.97	(0.94)	59.19	(0.94)	5.67	(0.35)	0.55	(0.13)	0.62	(.)
TUN	150875	0.07	150770	44.56	(0.95)	34.84	(0.81)	12.00	(0.51)	5.33	(0.35)	3.28	(0.26)
URY	33775	0.15	33724	27.24	(0.82)	40.02	(0.90)	21.20	(0.82)	6.49	(0.48)	5.05	(0.35)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Mathematics is an important subject for me because I need it for what I want to study later on.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	542 (2.58)	522 (2.32)	522 (3.09)	512 (6.36)	405 (11.34)
AUT	85931	1.08	85003	471 (7.27)	491 (3.98)	499 (4.57)	501 (3.78)	439 (25.12)
BEL	111831	1.79	109825	521 (4.98)	519 (3.09)	514 (2.93)	502 (5.16)	356 (22.67)
CAN	330436	9.70	298375	548 (2.58)	528 (1.87)	525 (2.63)	509 (4.23)	498 (5.75)
CZE	121183	4.09	116221	504 (3.76)	496 (3.12)	496 (4.69)	487 (6.58)	414 (25.37)
DNK	51741	0.65	51406	499 (3.55)	491 (3.42)	496 (4.40)	477 (7.80)	448 (12.23)
FIN	57884	0.07	57845	559 (3.27)	544 (1.85)	537 (3.29)	518 (6.13)	496 (9.02)
FRA	734579	0.87	728167	504 (3.91)	496 (3.58)	498 (3.58)	496 (4.63)	415 (17.81)
DEU	884358	5.57	835070	492 (5.34)	510 (4.10)	508 (4.12)	495 (4.36)	396 (14.15)
GRC	105131	0.13	104991	480 (5.51)	474 (4.80)	473 (4.41)	466 (6.76)	355 (19.44)
HUN	107044	0.06	106984	493 (4.83)	477 (2.74)	483 (3.99)	493 (6.31)	411 (24.25)
ISL	3928	0.63	3903	505 (3.64)	490 (2.54)	492 (4.68)	454 (7.88)	. (.)
IRL	54850	1.03	54285	521 (3.64)	512 (3.67)	522 (3.00)	515 (6.01)	426 (17.55)
ITA	481521	0.20	480573	467 (5.67)	480 (2.98)	480 (3.86)	467 (5.20)	386 (25.67)
JPN	1240054	0.10	1238855	533 (6.00)	512 (4.90)	496 (4.25)	471 (6.11)	327 (30.12)
KOR	533504	.	533504	570 (4.17)	540 (3.28)	520 (3.92)	509 (4.56)	. (.)
LUX	4080	0.10	4076	462 (5.49)	478 (2.62)	490 (2.55)	490 (3.22)	393 (17.50)
MEX	1071650	0.37	1067674	398 (4.87)	403 (3.99)	428 (5.38)	443 (9.51)	301 (8.15)
NLD	184943	3.17	179074	510 (5.42)	517 (3.17)	524 (3.53)	516 (5.63)	496 (14.14)
NZL	48638	0.93	48186	537 (3.93)	518 (2.67)	521 (4.25)	510 (8.56)	486 (18.05)
NOR	52816	0.77	52407	525 (4.33)	501 (3.11)	487 (4.88)	453 (6.20)	431 (19.71)
POL	534900	.	534900	510 (4.29)	500 (3.01)	481 (5.15)	485 (7.39)	351 (19.09)
PRT	96857	0.23	96637	496 (4.58)	475 (3.87)	467 (5.78)	456 (8.02)	416 (12.22)
SVK	77067	0.04	77034	473 (5.12)	468 (3.48)	472 (4.04)	481 (5.84)	362 (30.27)
ESP	344372	0.07	344114	505 (3.90)	483 (3.06)	473 (3.75)	457 (4.32)	350 (18.37)
SWE	107104	0.27	106810	533 (4.81)	512 (2.92)	513 (3.50)	492 (6.41)	439 (20.50)
CHE	86491	0.14	86370	484 (4.95)	495 (3.99)	511 (3.81)	513 (5.08)	439 (10.57)
TUR	481279	0.03	481137	462 (7.35)	446 (5.97)	429 (6.24)	425 (8.62)	346 (6.82)
GBR	698579	3.73	672529	517 (3.89)	500 (2.84)	512 (3.83)	506 (6.05)	416 (15.12)
USA	3147089	0.76	3123066	510 (4.88)	494 (3.48)	497 (4.22)	479 (6.49)	364 (16.50)
TOT	.	1.34	.	494 (1.85)	490 (1.39)	494 (1.53)	483 (2.03)	360 (5.49)
AVG	.	1.23	.	503 (0.93)	496 (0.72)	498 (0.84)	489 (1.14)	396 (3.92)
HKG	72484	0.21	72334	531 (3.93)	513 (4.56)	499 (3.77)	470 (8.12)	. (.)
IDN	1971476	0.00	1971403	380 (3.71)	388 (3.29)	376 (9.80)	357 (18.49)	305 (10.38)
LVA	33643	0.23	33565	509 (5.06)	493 (4.17)	479 (4.48)	482 (7.68)	426 (15.92)
LIE	338	.	338	511 (9.58)	524 (9.27)	535 (8.31)	535 (12.97)	. (.)
MAC	6546	.	6546	509 (5.97)	493 (3.07)	501 (4.39)	492 (8.52)	. (.)
RUS	2153373	0.02	2152991	457 (5.03)	445 (3.82)	438 (4.52)	441 (11.27)	330 (11.66)
YUG	68596	0.60	68187	416 (4.39)	415 (4.02)	418 (4.05)	428 (5.45)	335 (9.00)
THA	637076	.	637076	433 (3.78)	413 (3.07)	414 (5.91)	414 (16.91)	. (.)
TUN	150875	0.07	150770	379 (3.75)	374 (3.65)	378 (5.35)	375 (7.77)	312 (9.14)
URY	33775	0.15	33724	446 (5.39)	430 (3.72)	448 (6.03)	441 (6.77)	340 (9.08)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Mathematics is an important subject for me because I need it for what I want to study later on.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	549 (2.63)	521 (2.38)	513 (2.57)	488 (5.13)	430 (10.28)
AUT	85931	1.08	85003	507 (7.04)	516 (3.80)	510 (4.10)	500 (3.39)	461 (13.35)
BEL	111831	1.79	109825	560 (4.84)	547 (3.05)	529 (2.90)	502 (4.28)	395 (21.55)
CAN	330436	9.70	298375	561 (2.38)	533 (1.85)	521 (2.35)	499 (3.78)	507 (6.30)
CZE	121183	4.09	116221	543 (4.39)	524 (3.55)	512 (4.52)	492 (5.84)	440 (27.01)
DNK	51741	0.65	51406	536 (3.55)	515 (3.11)	498 (4.38)	472 (7.11)	463 (11.92)
FIN	57884	0.07	57845	580 (3.91)	546 (1.95)	521 (2.75)	492 (6.14)	512 (8.57)
FRA	734579	0.87	728167	537 (3.79)	515 (3.10)	499 (3.29)	481 (4.02)	451 (13.94)
DEU	884358	5.57	835070	519 (4.97)	525 (4.24)	512 (3.92)	489 (4.71)	430 (12.57)
GRC	105131	0.13	104991	474 (4.79)	450 (4.65)	431 (4.08)	416 (5.45)	354 (14.59)
HUN	107044	0.06	106984	516 (5.27)	487 (3.08)	482 (3.68)	486 (6.07)	424 (23.05)
ISL	3928	0.63	3903	535 (2.77)	512 (2.38)	504 (3.79)	465 (6.26)	. (.)
IRL	54850	1.03	54285	516 (3.42)	502 (3.38)	502 (2.78)	484 (5.84)	425 (14.82)
ITA	481521	0.20	480573	472 (5.36)	473 (3.20)	458 (3.94)	440 (4.82)	389 (17.32)
JPN	1240054	0.10	1238855	578 (6.09)	551 (4.73)	532 (4.09)	495 (5.51)	419 (23.88)
KOR	533504	.	533504	593 (3.95)	552 (3.39)	521 (4.01)	499 (4.61)	. (.)
LUX	4080	0.10	4076	497 (3.65)	496 (2.66)	495 (2.38)	488 (3.12)	447 (13.35)
MEX	1071650	0.37	1067674	388 (4.50)	388 (3.47)	402 (5.01)	402 (8.39)	298 (7.40)
NLD	184943	3.17	179074	546 (6.05)	546 (3.24)	545 (3.55)	519 (5.94)	505 (13.01)
NZL	48638	0.93	48186	544 (4.05)	522 (2.62)	513 (3.81)	492 (6.88)	483 (17.93)
NOR	52816	0.77	52407	529 (3.42)	495 (2.83)	473 (4.13)	439 (4.36)	433 (15.43)
POL	534900	.	534900	517 (4.63)	493 (2.84)	467 (3.74)	458 (6.02)	359 (13.81)
PRT	96857	0.23	96637	490 (4.30)	464 (3.45)	445 (4.79)	433 (6.92)	414 (11.58)
SVK	77067	0.04	77034	513 (5.51)	501 (3.78)	492 (3.74)	491 (5.58)	395 (31.99)
ESP	344372	0.07	344114	517 (3.35)	491 (2.82)	469 (3.05)	450 (3.76)	388 (16.33)
SWE	107104	0.27	106810	545 (5.10)	508 (2.91)	495 (2.86)	466 (5.64)	437 (18.09)
CHE	86491	0.14	86370	534 (5.01)	530 (3.89)	531 (4.23)	515 (4.89)	474 (11.36)
TUR	481279	0.03	481137	452 (8.76)	430 (7.07)	399 (6.13)	403 (7.57)	318 (5.98)
GBR	698579	3.73	672529	525 (3.82)	504 (2.90)	507 (3.89)	496 (5.30)	421 (15.58)
USA	3147089	0.76	3123066	500 (4.57)	482 (3.25)	482 (3.69)	455 (5.69)	383 (12.83)
TOT	.	1.34	.	500 (1.81)	491 (1.18)	493 (1.39)	476 (1.78)	372 (5.20)
AVG	.	1.23	.	518 (0.99)	503 (0.65)	497 (0.80)	481 (1.06)	409 (4.07)
HKG	72484	0.21	72334	589 (5.26)	557 (5.30)	528 (4.57)	483 (8.75)	. (.)
IDN	1971476	0.00	1971403	358 (3.88)	367 (4.10)	350 (11.39)	325 (16.83)	285 (7.02)
LVA	33643	0.23	33565	513 (5.19)	486 (3.97)	466 (4.06)	461 (6.04)	425 (13.79)
LIE	338	.	338	539 (12.01)	547 (9.23)	534 (8.93)	522 (14.06)	. (.)
MAC	6546	.	6546	545 (8.25)	526 (3.98)	520 (6.67)	517 (12.12)	. (.)
RUS	2153373	0.02	2152991	494 (6.14)	472 (4.16)	455 (4.38)	457 (7.44)	375 (8.06)
YUG	68596	0.60	68187	451 (5.48)	445 (4.16)	439 (4.23)	436 (5.50)	359 (7.53)
THA	637076	.	637076	428 (4.25)	412 (2.98)	408 (5.57)	403 (14.98)	. (.)
TUN	150875	0.07	150770	372 (3.33)	355 (2.93)	345 (3.45)	338 (5.07)	302 (6.97)
URY	33775	0.15	33724	442 (5.36)	422 (3.65)	426 (4.82)	407 (5.55)	323 (6.58)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Mathematics is an important subject for me because I need it for what I want to study later on.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	550 (2.56)	521 (2.47)	514 (3.09)	497 (5.32)	423 (10.11)
AUT	85931	1.08	85003	481 (7.08)	496 (4.32)	497 (4.31)	493 (3.41)	433 (15.26)
BEL	111831	1.79	109825	535 (4.85)	523 (2.87)	510 (3.07)	490 (4.76)	371 (19.15)
CAN	330436	9.70	298375	544 (2.76)	520 (2.19)	511 (2.82)	492 (4.12)	487 (6.83)
CZE	121183	4.09	116221	541 (4.65)	529 (3.64)	522 (4.79)	512 (8.00)	453 (26.55)
DNK	51741	0.65	51406	497 (4.04)	476 (3.55)	461 (4.93)	434 (7.82)	412 (12.44)
FIN	57884	0.07	57845	578 (3.94)	549 (2.22)	530 (3.28)	504 (6.45)	518 (10.85)
FRA	734579	0.87	728167	537 (4.61)	512 (3.90)	501 (4.09)	492 (5.32)	450 (17.91)
DEU	884358	5.57	835070	514 (5.42)	524 (4.44)	512 (4.25)	496 (5.07)	418 (14.12)
GRC	105131	0.13	104991	497 (5.72)	483 (4.10)	477 (4.46)	466 (5.31)	405 (15.00)
HUN	107044	0.06	106984	522 (6.11)	500 (3.00)	499 (4.11)	509 (6.60)	432 (24.68)
ISL	3928	0.63	3903	513 (3.11)	491 (2.46)	487 (3.98)	450 (7.07)	. (.)
IRL	54850	1.03	54285	515 (4.12)	502 (3.87)	508 (2.86)	498 (6.22)	435 (17.35)
ITA	481521	0.20	480573	485 (6.51)	492 (3.18)	484 (3.91)	477 (4.99)	407 (21.24)
JPN	1240054	0.10	1238855	591 (6.48)	566 (5.24)	542 (4.17)	514 (5.83)	403 (26.50)
KOR	533504	.	533504	587 (4.46)	548 (3.89)	515 (4.29)	503 (5.72)	. (.)
LUX	4080	0.10	4076	482 (5.11)	485 (3.01)	487 (2.54)	479 (3.48)	413 (16.86)
MEX	1071650	0.37	1067674	409 (4.80)	406 (3.29)	420 (4.84)	420 (7.46)	326 (6.21)
NLD	184943	3.17	179074	527 (6.42)	531 (3.76)	532 (4.02)	514 (6.74)	487 (15.93)
NZL	48638	0.93	48186	538 (4.09)	519 (2.70)	512 (4.27)	505 (8.03)	492 (19.64)
NOR	52816	0.77	52407	521 (4.10)	482 (3.30)	462 (5.40)	429 (5.74)	413 (20.14)
POL	534900	.	534900	522 (4.89)	500 (2.89)	478 (5.30)	474 (6.97)	374 (14.45)
PRT	96857	0.23	96637	489 (4.24)	465 (3.58)	452 (5.43)	451 (7.67)	396 (13.21)
SVK	77067	0.04	77034	510 (6.42)	496 (3.88)	491 (4.42)	499 (6.19)	366 (33.49)
ESP	344372	0.07	344114	522 (3.60)	491 (3.31)	471 (3.94)	456 (4.47)	365 (20.28)
SWE	107104	0.27	106810	538 (5.42)	504 (2.99)	496 (4.13)	470 (6.58)	423 (21.88)
CHE	86491	0.14	86370	514 (5.83)	516 (4.38)	518 (4.72)	507 (5.65)	467 (14.00)
TUR	481279	0.03	481137	457 (7.71)	438 (6.48)	417 (5.71)	418 (7.96)	356 (7.07)
GBR	698579	3.73	672529	534 (4.08)	513 (2.90)	520 (4.36)	511 (5.92)	426 (16.93)
USA	3147089	0.76	3123066	508 (4.82)	489 (3.30)	490 (4.08)	471 (5.71)	386 (15.58)
TOT	.	1.34	.	506 (1.83)	497 (1.18)	500 (1.45)	489 (1.89)	382 (5.04)
AVG	.	1.23	.	515 (0.93)	502 (0.66)	498 (0.78)	486 (1.15)	408 (3.73)
HKG	72484	0.21	72334	569 (4.95)	544 (5.16)	523 (4.06)	489 (8.14)	. (.)
IDN	1971476	0.00	1971403	394 (3.36)	400 (3.30)	388 (8.93)	374 (17.30)	340 (7.86)
LVA	33643	0.23	33565	514 (5.17)	492 (4.34)	474 (4.61)	470 (8.05)	422 (14.82)
LIE	338	.	338	525 (11.55)	532 (12.42)	524 (9.58)	528 (13.98)	. (.)
MAC	6546	.	6546	550 (8.43)	521 (4.78)	518 (6.38)	507 (13.51)	. (.)
RUS	2153373	0.02	2152991	510 (5.47)	493 (4.30)	481 (4.43)	475 (9.47)	389 (12.53)
YUG	68596	0.60	68187	443 (4.68)	439 (4.19)	438 (4.02)	449 (5.53)	383 (9.65)
THA	637076	.	637076	440 (3.63)	424 (2.95)	426 (5.43)	427 (17.38)	. (.)
TUN	150875	0.07	150770	395 (3.23)	381 (3.05)	375 (4.27)	373 (6.27)	331 (8.02)
URY	33775	0.15	33724	451 (5.25)	438 (3.55)	445 (4.64)	441 (6.39)	348 (8.33)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

Mathematics is an important subject for me because I need it for what I want to study later on.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	553 (2.35)	527 (2.15)	519 (2.75)	498 (5.04)	437 (9.88)
AUT	85931	1.08	85003	504 (6.74)	516 (3.64)	512 (3.88)	502 (3.55)	449 (14.18)
BEL	111831	1.79	109825	552 (4.88)	541 (2.96)	526 (2.79)	498 (4.65)	411 (13.48)
CAN	330436	9.70	298375	557 (2.39)	531 (1.79)	520 (2.72)	496 (4.10)	504 (6.47)
CZE	121183	4.09	116221	539 (4.40)	524 (3.40)	514 (4.56)	496 (6.20)	445 (28.97)
DNK	51741	0.65	51406	535 (3.29)	517 (3.16)	505 (4.07)	482 (6.64)	463 (12.07)
FIN	57884	0.07	57845	578 (3.66)	548 (2.02)	529 (2.89)	502 (6.43)	528 (8.16)
FRA	734579	0.87	728167	542 (3.83)	524 (3.52)	508 (3.59)	494 (4.34)	460 (15.63)
DEU	884358	5.57	835070	523 (4.74)	530 (4.02)	521 (3.95)	503 (4.66)	439 (12.15)
GRC	105131	0.13	104991	472 (5.25)	453 (4.73)	440 (3.95)	421 (5.98)	356 (14.97)
HUN	107044	0.06	106984	528 (5.40)	497 (2.93)	494 (4.20)	493 (6.54)	445 (22.33)
ISL	3928	0.63	3903	524 (2.89)	501 (2.26)	495 (3.58)	461 (6.71)	. (.)
IRL	54850	1.03	54285	511 (3.43)	497 (3.22)	498 (2.96)	484 (5.25)	412 (14.11)
ITA	481521	0.20	480573	472 (6.02)	479 (3.19)	463 (3.54)	445 (4.92)	374 (22.16)
JPN	1240054	0.10	1238855	590 (6.30)	564 (4.82)	546 (4.13)	508 (5.89)	394 (34.17)
KOR	533504	.	533504	593 (3.73)	559 (3.18)	533 (4.05)	514 (4.21)	. (.)
LUX	4080	0.10	4076	494 (4.69)	495 (2.56)	499 (2.56)	488 (3.12)	447 (12.88)
MEX	1071650	0.37	1067674	386 (5.29)	387 (4.15)	405 (5.57)	411 (9.28)	287 (7.76)
NLD	184943	3.17	179074	526 (6.05)	527 (3.26)	526 (3.95)	498 (6.98)	479 (13.34)
NZL	48638	0.93	48186	550 (3.60)	530 (2.59)	528 (3.98)	508 (7.14)	500 (19.84)
NOR	52816	0.77	52407	521 (3.85)	491 (3.19)	471 (4.74)	432 (5.41)	426 (16.66)
POL	534900	.	534900	511 (4.20)	489 (2.79)	469 (4.21)	460 (6.56)	335 (23.82)
PRT	96857	0.23	96637	492 (4.58)	468 (3.97)	452 (5.50)	436 (7.33)	424 (13.33)
SVK	77067	0.04	77034	504 (5.40)	493 (3.82)	489 (3.79)	489 (5.84)	400 (32.60)
ESP	344372	0.07	344114	512 (3.71)	487 (3.17)	470 (3.66)	449 (3.77)	366 (20.51)
SWE	107104	0.27	106810	537 (4.55)	508 (2.79)	499 (2.96)	472 (5.11)	441 (18.02)
CHE	86491	0.14	86370	522 (4.83)	523 (3.37)	527 (3.84)	518 (4.52)	468 (11.34)
TUR	481279	0.03	481137	434 (7.67)	415 (6.20)	387 (6.20)	387 (7.25)	298 (6.29)
GBR	698579	3.73	672529	524 (3.69)	506 (2.73)	510 (3.94)	497 (5.39)	432 (15.40)
USA	3147089	0.76	3123066	495 (4.75)	476 (3.46)	476 (4.06)	448 (5.77)	387 (14.20)
TOT	.	1.34	.	498 (1.87)	490 (1.32)	497 (1.45)	482 (1.89)	366 (5.65)
AVG	.	1.23	.	515 (1.00)	502 (0.67)	499 (0.86)	484 (1.05)	405 (4.22)
HKG	72484	0.21	72334	582 (4.36)	552 (5.02)	530 (4.30)	493 (8.65)	. (.)
IDN	1971476	0.00	1971403	358 (3.33)	368 (3.46)	358 (10.03)	326 (14.65)	299 (8.20)
LVA	33643	0.23	33565	513 (5.35)	485 (3.91)	466 (4.75)	457 (7.07)	397 (14.19)
LIE	338	.	338	529 (10.66)	536 (9.00)	530 (8.09)	526 (14.06)	. (.)
MAC	6546	.	6546	542 (7.60)	531 (3.69)	530 (5.36)	519 (11.12)	. (.)
RUS	2153373	0.02	2152991	504 (6.04)	484 (4.41)	465 (4.95)	461 (10.40)	359 (11.82)
YUG	68596	0.60	68187	431 (5.08)	428 (3.92)	424 (3.95)	421 (5.71)	342 (8.66)
THA	637076	.	637076	440 (4.00)	418 (2.86)	414 (6.58)	421 (14.43)	. (.)
TUN	150875	0.07	150770	354 (3.02)	343 (2.73)	336 (3.92)	335 (6.00)	294 (6.75)
URY	33775	0.15	33724	429 (5.91)	409 (3.76)	417 (5.22)	408 (8.30)	304 (8.93)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I will learn many things in Mathematics that will help me get a job.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.34	234787	23.57	(0.58)	54.70	(0.50)	16.10	(0.45)	4.67	(0.28)	0.96	(0.11)
AUT	85931	1.08	85003	18.32	(0.83)	36.64	(0.85)	28.00	(0.89)	15.92	(0.74)	1.12	(0.42)
BEL	111831	1.79	109825	11.41	(0.44)	43.53	(0.66)	30.31	(0.61)	11.69	(0.41)	3.07	(0.47)
CAN	330436	9.70	298375	26.19	(0.55)	50.33	(0.53)	14.55	(0.35)	5.99	(0.26)	2.94	(0.28)
CZE	121183	4.09	116221	16.10	(0.59)	59.84	(0.83)	19.14	(0.64)	3.90	(0.31)	1.03	(0.32)
DNK	51741	0.65	51406	25.03	(0.76)	55.82	(0.82)	14.01	(0.64)	2.76	(0.27)	2.38	(0.28)
FIN	57884	0.07	57845	15.96	(0.51)	57.93	(0.69)	19.55	(0.57)	4.35	(0.31)	2.21	(0.22)
FRA	734579	0.87	728167	15.83	(0.74)	45.02	(0.77)	27.38	(0.78)	10.20	(0.60)	1.56	(0.23)
DEU	884358	5.57	835070	26.71	(0.75)	43.90	(0.64)	20.68	(0.69)	7.25	(0.41)	1.47	(0.25)
GRC	105131	0.13	104991	19.28	(0.77)	50.15	(0.98)	21.61	(0.67)	7.59	(0.54)	1.37	(0.20)
HUN	107044	0.06	106984	13.78	(0.57)	52.92	(0.90)	25.35	(0.70)	7.07	(0.45)	0.87	(0.17)
ISL	3928	0.63	3903	28.33	(0.79)	49.35	(0.75)	15.54	(0.67)	6.07	(0.37)	0.71	(.)
IRL	54850	1.03	54285	21.07	(0.79)	52.52	(0.78)	18.39	(0.64)	6.73	(0.45)	1.30	(0.18)
ITA	481521	0.20	480573	14.18	(0.54)	50.60	(0.65)	25.98	(0.67)	8.35	(0.48)	0.89	(0.15)
JPN	1240054	0.10	1238855	11.65	(0.64)	35.20	(0.84)	33.46	(0.81)	19.15	(0.79)	0.55	(.)
KOR	533504	.	533504	9.49	(0.36)	36.71	(0.71)	39.25	(0.69)	14.30	(0.52)	0.25	(.)
LUX	4080	0.10	4076	16.54	(0.63)	35.84	(0.74)	28.15	(0.65)	17.70	(0.54)	1.77	(0.24)
MEX	1071650	0.37	1067674	37.28	(0.92)	48.12	(0.75)	6.71	(0.35)	1.88	(0.21)	6.02	(0.55)
NLD	184943	3.19	179038	8.45	(0.54)	51.12	(0.91)	31.12	(0.82)	7.76	(0.66)	1.55	(0.23)
NZL	48638	0.88	48211	26.86	(0.68)	54.45	(0.76)	14.48	(0.61)	3.55	(0.31)	0.66	(.)
NOR	52816	0.77	52407	22.42	(0.77)	49.21	(0.66)	18.43	(0.69)	8.03	(0.45)	1.91	(0.27)
POL	534900	.	534900	15.55	(0.56)	62.68	(0.81)	16.05	(0.68)	4.84	(0.44)	0.88	(0.19)
PRT	96857	0.23	96637	23.11	(0.71)	54.77	(0.85)	15.31	(0.65)	4.44	(0.28)	2.36	(0.30)
SVK	77067	0.04	77034	15.89	(0.54)	59.86	(1.03)	18.76	(0.70)	4.05	(0.40)	1.44	(0.50)
ESP	344372	0.07	344114	16.45	(0.65)	50.30	(0.76)	22.99	(0.79)	9.00	(0.42)	1.26	(0.18)
SWE	107104	0.27	106810	17.07	(0.63)	55.29	(0.80)	20.29	(0.62)	5.99	(0.35)	1.36	(0.19)
CHE	86491	0.14	86370	21.97	(0.68)	42.15	(0.64)	24.79	(0.74)	8.92	(0.41)	2.17	(0.24)
TUR	481279	0.03	481137	22.04	(0.77)	40.05	(1.02)	22.89	(0.65)	8.72	(0.57)	6.30	(0.80)
GBR	698579	3.73	672529	21.75	(0.70)	54.56	(0.74)	17.47	(0.54)	5.13	(0.36)	1.08	(0.19)
USA	3147089	0.76	3123066	26.82	(0.74)	54.87	(0.68)	12.25	(0.55)	4.82	(0.32)	1.24	(0.16)
TOT	.	1.34	.	21.75	(0.24)	48.96	(0.23)	19.75	(0.24)	7.70	(0.15)	1.83	(0.08)
AVG	.	1.23	.	19.61	(0.13)	49.61	(0.14)	21.32	(0.13)	7.71	(0.10)	1.75	(0.06)
HKG	72484	0.21	72334	9.82	(0.57)	52.75	(0.85)	30.72	(0.73)	6.46	(0.43)	0.25	(.)
IDN	1971476	0.00	1971403	23.58	(0.77)	61.88	(0.83)	9.91	(0.49)	0.76	(0.14)	3.87	(0.46)
LVA	33643	0.23	33565	17.96	(0.85)	60.15	(1.03)	18.30	(0.57)	2.79	(0.25)	0.80	(0.12)
LIE	338	.	338	22.59	(2.05)	35.88	(2.39)	31.02	(2.03)	9.60	(1.56)	0.91	(.)
MAC	6546	.	6546	11.66	(1.20)	52.99	(1.61)	29.77	(1.60)	5.18	(0.77)	0.40	(.)
RUS	2153373	0.02	2152991	19.40	(0.59)	51.16	(0.89)	22.99	(0.78)	4.08	(0.40)	2.38	(0.25)
YUG	68596	0.54	68228	14.91	(0.66)	41.02	(1.11)	27.77	(0.88)	10.07	(0.67)	6.23	(0.67)
THA	637076	.	637076	28.82	(0.82)	63.98	(0.80)	6.12	(0.34)	0.50	(.)	0.58	(.)
TUN	150875	0.07	150770	40.87	(0.87)	38.34	(0.84)	12.36	(0.51)	5.91	(0.35)	2.52	(0.23)
URY	33775	0.15	33724	28.10	(0.72)	51.84	(0.92)	11.69	(0.70)	3.95	(0.33)	4.43	(0.35)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I will learn many things in Mathematics that will help me get a job.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	530 (2.60)	524 (2.20)	536 (3.21)	513 (8.35)	407 (13.05)
AUT	85931	1.08	85003	450 (5.91)	491 (3.45)	517 (4.33)	510 (5.16)	453 (26.49)
BEL	111831	1.79	109825	494 (5.45)	515 (2.85)	529 (2.90)	502 (5.29)	356 (22.20)
CAN	330436	9.70	298375	541 (2.63)	530 (1.62)	532 (2.84)	505 (4.16)	513 (6.17)
CZE	121183	4.09	116221	489 (4.41)	497 (2.86)	506 (4.17)	476 (7.73)	413 (30.24)
DNK	51741	0.65	51406	495 (4.15)	494 (3.01)	498 (4.78)	460 (8.14)	433 (13.22)
FIN	57884	0.07	57845	551 (3.47)	546 (1.71)	541 (2.77)	509 (7.21)	502 (8.67)
FRA	734579	0.87	728167	477 (5.87)	500 (3.42)	511 (3.54)	490 (5.71)	425 (16.29)
DEU	884358	5.57	835070	474 (4.89)	508 (3.68)	528 (4.04)	503 (6.78)	400 (17.03)
GRC	105131	0.13	104991	470 (5.53)	474 (4.26)	483 (5.46)	463 (7.11)	345 (22.48)
HUN	107044	0.06	106984	479 (4.56)	477 (2.64)	493 (3.99)	494 (6.17)	402 (23.32)
ISL	3928	0.63	3903	498 (3.36)	496 (2.31)	491 (4.33)	455 (8.29)	. (.)
IRL	54850	1.03	54285	510 (3.70)	514 (3.12)	530 (3.91)	516 (6.82)	424 (19.13)
ITA	481521	0.20	480573	461 (6.04)	479 (3.01)	485 (3.53)	464 (6.62)	383 (22.70)
JPN	1240054	0.10	1238855	520 (5.97)	511 (4.29)	498 (4.30)	469 (5.71)	. (.)
KOR	533504	.	533504	561 (5.39)	541 (3.68)	532 (3.05)	512 (4.60)	. (.)
LUX	4080	0.10	4076	451 (4.75)	478 (3.03)	496 (2.97)	492 (3.49)	393 (17.21)
MEX	1071650	0.37	1067674	401 (5.42)	409 (3.58)	417 (7.32)	393 (15.88)	306 (6.72)
NLD	184943	3.19	179038	490 (5.48)	516 (3.37)	530 (3.43)	506 (7.89)	500 (13.64)
NZL	48638	0.88	48211	526 (3.90)	521 (2.65)	530 (5.00)	501 (9.42)	. (.)
NOR	52816	0.77	52407	513 (4.42)	505 (3.09)	500 (4.92)	453 (7.11)	442 (17.48)
POL	534900	.	534900	503 (4.12)	496 (2.88)	498 (5.46)	504 (7.06)	361 (21.06)
PRT	96857	0.23	96637	484 (5.19)	478 (3.71)	481 (5.31)	459 (7.75)	421 (13.76)
SVK	77067	0.04	77034	460 (5.12)	470 (3.13)	480 (4.57)	478 (7.49)	377 (25.96)
ESP	344372	0.07	344114	488 (4.58)	486 (2.97)	482 (3.41)	451 (5.68)	363 (18.74)
SWE	107104	0.27	106810	515 (5.47)	518 (2.46)	519 (3.46)	488 (7.92)	432 (18.24)
CHE	86491	0.14	86370	463 (3.59)	502 (3.80)	526 (3.44)	516 (9.08)	427 (14.35)
TUR	481279	0.03	481137	443 (7.13)	447 (5.97)	449 (6.95)	450 (7.60)	354 (7.29)
GBR	698579	3.73	672529	508 (3.78)	505 (2.70)	514 (4.93)	507 (6.99)	410 (12.87)
USA	3147089	0.76	3123066	500 (4.60)	497 (3.21)	503 (4.74)	464 (6.75)	376 (20.21)
TOT	.	1.34	.	482 (1.95)	492 (1.27)	503 (1.33)	478 (2.16)	365 (5.26)
AVG	.	1.23	.	489 (0.96)	498 (0.70)	507 (0.72)	487 (1.29)	397 (3.77)
HKG	72484	0.21	72334	518 (5.23)	511 (4.01)	512 (4.24)	479 (7.92)	. (.)
IDN	1971476	0.00	1971403	372 (4.03)	388 (3.35)	398 (5.87)	378 (20.26)	305 (9.64)
LVA	33643	0.23	33565	500 (5.04)	490 (4.06)	489 (4.71)	472 (11.13)	427 (17.31)
LIE	338	.	338	480 (9.92)	525 (7.96)	552 (7.30)	550 (15.90)	. (.)
MAC	6546	.	6546	490 (8.23)	495 (3.22)	504 (3.71)	504 (10.84)	. (.)
RUS	2153373	0.02	2152991	445 (5.32)	447 (3.80)	441 (4.43)	438 (11.77)	331 (11.53)
YUG	68596	0.54	68228	397 (4.69)	413 (3.91)	430 (4.38)	432 (6.28)	334 (10.07)
THA	637076	.	637076	429 (3.56)	417 (2.87)	416 (5.83)	. (.)	. (.)
TUN	150875	0.07	150770	375 (3.89)	378 (3.30)	375 (4.61)	379 (6.77)	305 (9.90)
URY	33775	0.15	33724	430 (5.77)	442 (3.44)	451 (7.43)	421 (12.13)	338 (9.84)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I will learn many things in Mathematics that will help me get a job.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	537 (2.84)	523 (2.10)	526 (3.09)	495 (6.55)	432 (11.34)
AUT	85931	1.08	85003	481 (4.94)	510 (3.23)	523 (4.38)	508 (4.38)	465 (14.16)
BEL	111831	1.79	109825	527 (5.08)	541 (2.78)	548 (2.66)	505 (4.12)	397 (21.50)
CAN	330436	9.70	298375	554 (2.19)	534 (1.73)	530 (2.78)	497 (3.82)	522 (6.50)
CZE	121183	4.09	116221	526 (4.97)	524 (3.40)	524 (4.26)	488 (7.10)	445 (28.68)
DNK	51741	0.65	51406	529 (3.86)	517 (2.86)	499 (5.20)	461 (8.14)	453 (12.27)
FIN	57884	0.07	57845	573 (4.11)	547 (1.84)	531 (2.64)	485 (6.49)	514 (8.05)
FRA	734579	0.87	728167	509 (5.60)	519 (3.14)	517 (2.91)	482 (4.56)	455 (13.26)
DEU	884358	5.57	835070	495 (5.02)	518 (3.54)	530 (4.08)	492 (6.56)	430 (13.63)
GRC	105131	0.13	104991	459 (5.16)	446 (4.32)	445 (4.53)	423 (6.40)	341 (15.50)
HUN	107044	0.06	106984	498 (5.10)	486 (3.05)	496 (3.57)	488 (6.39)	417 (24.63)
ISL	3928	0.63	3903	527 (2.90)	518 (2.05)	507 (3.70)	470 (6.86)	. (.)
IRL	54850	1.03	54285	505 (3.60)	504 (3.02)	510 (3.39)	484 (6.60)	418 (15.37)
ITA	481521	0.20	480573	462 (5.15)	471 (3.39)	468 (3.23)	443 (5.55)	392 (15.53)
JPN	1240054	0.10	1238855	566 (6.65)	549 (4.39)	533 (3.99)	495 (5.36)	. (.)
KOR	533504	.	533504	588 (5.50)	553 (3.90)	535 (3.36)	505 (4.37)	. (.)
LUX	4080	0.10	4076	484 (3.65)	494 (2.44)	503 (2.76)	490 (3.00)	448 (12.28)
MEX	1071650	0.37	1067674	390 (4.44)	392 (3.38)	396 (6.49)	365 (11.26)	302 (7.35)
NLD	184943	3.19	179038	526 (6.35)	545 (3.29)	553 (3.53)	509 (7.19)	511 (13.45)
NZL	48638	0.88	48211	533 (4.02)	524 (2.55)	521 (4.37)	494 (7.67)	. (.)
NOR	52816	0.77	52407	520 (3.67)	497 (2.60)	490 (4.32)	442 (4.85)	439 (14.23)
POL	534900	.	534900	509 (4.30)	489 (2.73)	487 (4.10)	478 (6.51)	364 (16.83)
PRT	96857	0.23	96637	476 (4.95)	467 (3.45)	464 (4.55)	438 (8.32)	420 (11.90)
SVK	77067	0.04	77034	495 (5.19)	501 (3.39)	501 (4.31)	492 (7.09)	411 (30.02)
ESP	344372	0.07	344114	498 (4.12)	492 (2.63)	482 (3.12)	445 (4.68)	402 (17.00)
SWE	107104	0.27	106810	532 (5.29)	512 (2.49)	502 (3.37)	462 (6.46)	426 (15.99)
CHE	86491	0.14	86370	508 (3.92)	531 (3.41)	543 (5.03)	522 (8.01)	462 (16.57)
TUR	481279	0.03	481137	432 (8.31)	430 (7.02)	428 (7.92)	434 (8.45)	323 (6.35)
GBR	698579	3.73	672529	515 (3.60)	507 (2.67)	511 (4.70)	495 (6.42)	417 (13.80)
USA	3147089	0.76	3123066	491 (4.46)	483 (2.91)	490 (4.26)	447 (5.40)	400 (15.28)
TOT	.	1.34	.	486 (1.96)	492 (1.11)	505 (1.20)	476 (1.82)	374 (5.39)
AVG	.	1.23	.	502 (1.00)	503 (0.66)	508 (0.73)	481 (1.22)	409 (3.82)
HKG	72484	0.21	72334	575 (6.35)	555 (4.79)	547 (5.05)	496 (8.22)	. (.)
IDN	1971476	0.00	1971403	349 (4.01)	367 (3.98)	373 (7.11)	356 (22.36)	282 (6.99)
LVA	33643	0.23	33565	495 (5.07)	484 (3.99)	475 (4.85)	462 (9.72)	433 (15.91)
LIE	338	.	338	509 (11.30)	538 (9.31)	548 (8.40)	550 (17.06)	. (.)
MAC	6546	.	6546	523 (12.80)	527 (3.74)	530 (5.47)	532 (13.79)	. (.)
RUS	2153373	0.02	2152991	482 (6.22)	471 (3.94)	464 (4.81)	456 (8.07)	379 (8.30)
YUG	68596	0.54	68228	430 (5.28)	441 (4.22)	452 (4.31)	441 (5.90)	359 (8.50)
THA	637076	.	637076	424 (4.37)	415 (3.08)	408 (5.20)	. (.)	. (.)
TUN	150875	0.07	150770	369 (3.34)	358 (3.04)	348 (4.15)	343 (4.96)	297 (7.56)
URY	33775	0.15	33724	426 (5.10)	428 (3.35)	432 (5.20)	402 (9.04)	329 (7.24)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I will learn many things in Mathematics that will help me get a job.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	539 (2.70)	523 (2.17)	528 (3.33)	499 (6.85)	426 (11.09)
AUT	85931	1.08	85003	459 (5.49)	493 (3.30)	513 (4.42)	501 (4.88)	436 (15.24)
BEL	111831	1.79	109825	505 (5.16)	518 (2.73)	526 (2.84)	492 (4.68)	370 (18.75)
CAN	330436	9.70	298375	536 (2.66)	521 (1.98)	521 (3.13)	489 (4.56)	505 (6.98)
CZE	121183	4.09	116221	524 (5.48)	530 (3.27)	536 (4.55)	504 (7.87)	452 (30.94)
DNK	51741	0.65	51406	491 (4.17)	477 (3.17)	466 (5.77)	426 (8.75)	397 (13.46)
FIN	57884	0.07	57845	572 (4.28)	551 (2.09)	537 (3.17)	497 (7.41)	521 (10.43)
FRA	734579	0.87	728167	506 (7.23)	518 (3.92)	518 (3.62)	489 (6.49)	456 (15.87)
DEU	884358	5.57	835070	492 (5.25)	518 (3.89)	532 (4.22)	502 (6.71)	418 (17.92)
GRC	105131	0.13	104991	484 (5.86)	481 (3.91)	490 (4.99)	466 (6.52)	403 (15.38)
HUN	107044	0.06	106984	507 (6.13)	498 (2.99)	512 (3.92)	514 (6.04)	427 (26.40)
ISL	3928	0.63	3903	505 (3.13)	497 (2.61)	490 (4.40)	456 (6.94)	. (.)
IRL	54850	1.03	54285	503 (4.25)	504 (3.45)	516 (3.91)	499 (6.65)	437 (18.63)
ITA	481521	0.20	480573	476 (6.44)	489 (3.34)	493 (3.45)	478 (5.85)	406 (19.16)
JPN	1240054	0.10	1238855	577 (6.85)	563 (4.59)	544 (4.54)	513 (5.47)	. (.)
KOR	533504	.	533504	579 (6.25)	548 (4.46)	532 (3.56)	507 (5.17)	. (.)
LUX	4080	0.10	4076	469 (5.02)	483 (3.12)	495 (3.05)	483 (3.44)	412 (17.64)
MEX	1071650	0.37	1067674	410 (4.39)	409 (3.28)	414 (7.59)	392 (10.15)	332 (6.45)
NLD	184943	3.19	179038	505 (6.95)	530 (3.73)	540 (3.99)	502 (9.09)	491 (16.12)
NZL	48638	0.88	48211	527 (4.22)	521 (2.70)	526 (4.93)	504 (8.90)	. (.)
NOR	52816	0.77	52407	510 (4.03)	487 (3.07)	478 (5.13)	431 (5.80)	421 (17.59)
POL	534900	.	534900	512 (4.52)	496 (2.98)	499 (5.76)	496 (8.44)	378 (18.58)
PRT	96857	0.23	96637	475 (4.76)	468 (3.62)	471 (4.90)	453 (8.25)	399 (14.34)
SVK	77067	0.04	77034	494 (6.00)	496 (3.63)	500 (5.22)	502 (7.36)	386 (29.02)
ESP	344372	0.07	344114	502 (4.68)	493 (2.95)	485 (3.98)	451 (5.90)	375 (19.62)
SWE	107104	0.27	106810	522 (5.37)	509 (2.75)	504 (3.93)	468 (8.36)	413 (19.23)
CHE	86491	0.14	86370	488 (4.19)	517 (4.18)	533 (4.94)	513 (11.28)	451 (18.76)
TUR	481279	0.03	481137	438 (7.41)	438 (6.39)	440 (7.29)	446 (7.27)	360 (6.72)
GBR	698579	3.73	672529	523 (4.07)	517 (2.86)	524 (5.34)	511 (7.14)	421 (15.10)
USA	3147089	0.76	3123066	499 (4.54)	491 (3.12)	498 (4.62)	465 (6.62)	400 (18.67)
TOT	.	1.34	.	492 (1.94)	498 (1.15)	512 (1.31)	489 (2.07)	385 (5.11)
AVG	.	1.23	.	499 (1.04)	502 (0.64)	510 (0.78)	487 (1.31)	408 (3.51)
HKG	72484	0.21	72334	556 (6.40)	542 (4.54)	539 (4.84)	498 (8.02)	. (.)
IDN	1971476	0.00	1971403	388 (3.44)	399 (3.21)	405 (5.84)	401 (18.86)	339 (6.78)
LVA	33643	0.23	33565	496 (4.87)	491 (4.40)	485 (5.18)	466 (11.93)	417 (17.13)
LIE	338	.	338	488 (11.14)	523 (11.29)	545 (10.13)	559 (17.34)	. (.)
MAC	6546	.	6546	526 (11.68)	525 (4.90)	527 (5.60)	512 (14.69)	. (.)
RUS	2153373	0.02	2152991	497 (5.75)	493 (4.02)	487 (4.84)	476 (10.70)	394 (13.62)
YUG	68596	0.54	68228	427 (4.39)	436 (3.97)	449 (4.46)	453 (6.18)	384 (10.42)
THA	637076	.	637076	437 (3.71)	426 (2.80)	428 (5.36)	. (.)	. (.)
TUN	150875	0.07	150770	392 (3.48)	384 (3.26)	379 (4.90)	374 (5.08)	324 (8.64)
URY	33775	0.15	33724	437 (5.00)	445 (3.33)	447 (5.91)	427 (8.99)	352 (8.08)

Student Questionnaire – Question 30

Q30 Thinking about your views on Mathematics: To what extent do you agree with the following statements?

I will learn many things in Mathematics that will help me get a job.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234787	541 (2.50)	529 (2.01)	531 (2.83)	502 (6.12)	436 (10.82)
AUT	85931	1.08	85003	482 (5.07)	510 (2.99)	523 (4.17)	508 (4.21)	453 (15.35)
BEL	111831	1.79	109825	522 (5.08)	536 (2.79)	542 (2.51)	500 (4.35)	412 (13.33)
CAN	330436	9.70	298375	550 (2.25)	532 (1.60)	528 (2.90)	493 (3.82)	517 (6.47)
CZE	121183	4.09	116221	524 (5.05)	524 (3.34)	526 (4.02)	490 (6.91)	448 (32.76)
DNK	51741	0.65	51406	529 (3.42)	519 (2.83)	507 (4.69)	471 (7.35)	452 (13.10)
FIN	57884	0.07	57845	571 (3.84)	550 (1.88)	537 (2.73)	491 (7.03)	530 (8.34)
FRA	734579	0.87	728167	514 (5.83)	526 (3.32)	528 (3.14)	492 (5.29)	466 (16.56)
DEU	884358	5.57	835070	502 (4.57)	526 (3.74)	537 (3.83)	504 (6.33)	447 (13.98)
GRC	105131	0.13	104991	457 (5.59)	450 (4.09)	452 (5.01)	423 (7.39)	348 (16.57)
HUN	107044	0.06	106984	508 (5.56)	498 (3.01)	508 (3.86)	493 (6.86)	432 (23.26)
ISL	3928	0.63	3903	518 (2.63)	507 (1.89)	498 (3.85)	464 (7.57)	. (.)
IRL	54850	1.03	54285	501 (3.43)	498 (2.84)	506 (3.44)	484 (5.79)	402 (14.68)
ITA	481521	0.20	480573	465 (5.71)	475 (3.38)	474 (3.49)	444 (6.40)	369 (21.49)
JPN	1240054	0.10	1238855	578 (6.90)	562 (4.54)	547 (4.04)	507 (5.68)	. (.)
KOR	533504	.	533504	586 (5.32)	560 (3.74)	546 (3.14)	520 (4.15)	. (.)
LUX	4080	0.10	4076	481 (4.20)	494 (2.70)	504 (2.64)	491 (3.34)	448 (12.25)
MEX	1071650	0.37	1067674	388 (5.46)	392 (3.94)	399 (7.25)	365 (13.93)	295 (8.12)
NLD	184943	3.19	179038	506 (6.19)	526 (3.40)	533 (3.74)	488 (7.99)	487 (13.89)
NZL	48638	0.88	48211	539 (3.70)	533 (2.30)	536 (4.73)	508 (8.12)	. (.)
NOR	52816	0.77	52407	511 (4.17)	494 (2.92)	487 (4.83)	434 (6.69)	434 (15.16)
POL	534900	.	534900	504 (4.40)	486 (2.72)	485 (4.67)	477 (7.82)	340 (28.17)
PRT	96857	0.23	96637	479 (5.19)	471 (3.90)	469 (5.07)	442 (7.59)	428 (13.69)
SVK	77067	0.04	77034	488 (5.08)	493 (3.47)	497 (4.42)	487 (7.53)	415 (32.17)
ESP	344372	0.07	344114	493 (4.28)	489 (3.23)	481 (3.19)	444 (5.05)	383 (20.92)
SWE	107104	0.27	106810	523 (5.06)	513 (2.50)	505 (2.98)	467 (6.76)	435 (18.22)
CHE	86491	0.14	86370	498 (3.94)	525 (3.19)	540 (4.14)	524 (7.83)	449 (16.66)
TUR	481279	0.03	481137	414 (7.65)	416 (6.01)	412 (7.20)	414 (7.47)	307 (7.31)
GBR	698579	3.73	672529	515 (3.54)	509 (2.62)	514 (4.86)	495 (6.20)	427 (14.97)
USA	3147089	0.76	3123066	485 (4.48)	478 (3.07)	484 (4.51)	437 (6.94)	403 (17.13)
TOT	.	1.34	.	484 (1.97)	492 (1.22)	509 (1.25)	479 (2.07)	370 (5.64)
AVG	.	1.23	.	500 (1.02)	503 (0.68)	510 (0.76)	482 (1.29)	406 (3.93)
HKG	72484	0.21	72334	568 (5.97)	551 (4.61)	548 (4.79)	503 (8.17)	. (.)
IDN	1971476	0.00	1971403	351 (3.73)	367 (3.36)	374 (6.01)	356 (21.56)	301 (7.22)
LVA	33643	0.23	33565	496 (5.24)	483 (4.14)	475 (5.03)	456 (9.76)	392 (14.36)
LIE	338	.	338	499 (10.35)	530 (8.15)	545 (8.41)	550 (20.20)	. (.)
MAC	6546	.	6546	522 (11.07)	532 (3.89)	537 (4.85)	538 (12.31)	. (.)
RUS	2153373	0.02	2152991	491 (6.00)	483 (4.38)	474 (5.08)	459 (10.22)	362 (11.02)
YUG	68596	0.54	68228	412 (4.86)	425 (4.09)	434 (3.95)	426 (6.44)	342 (9.71)
THA	637076	.	637076	436 (4.07)	422 (2.86)	413 (6.45)	. (.)	. (.)
TUN	150875	0.07	150770	351 (2.94)	345 (2.59)	339 (3.75)	337 (4.94)	291 (9.70)
URY	33775	0.15	33724	410 (5.95)	417 (3.74)	426 (6.75)	392 (11.99)	312 (8.99)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Using a <train timetable> to work out how long it would take to get from one place to another.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	(SE)	Confident %	(SE)	Not Very Confident %	(SE)	Not at All Confident %	(SE)	Missing %	(SE)
AUS	235591	0.33	234807	41.35	(0.67)	47.46	(0.56)	9.09	(0.40)	1.34	(0.15)	0.75	(0.11)
AUT	85931	1.08	85003	48.00	(1.40)	36.49	(0.96)	11.14	(0.57)	3.03	(0.28)	1.34	(0.38)
BEL	111831	1.79	109825	34.64	(0.75)	42.96	(0.73)	16.30	(0.53)	3.39	(0.25)	2.71	(0.45)
CAN	330436	9.70	298375	36.19	(0.64)	44.04	(0.57)	14.48	(0.42)	3.29	(0.19)	2.00	(0.16)
CZE	121183	4.09	116221	44.54	(0.94)	38.20	(0.73)	15.00	(0.57)	1.74	(0.21)	0.52	(.)
DNK	51741	0.65	51406	37.45	(0.93)	46.48	(0.80)	13.11	(0.60)	1.55	(0.19)	1.41	(0.21)
FIN	57884	0.07	57845	35.67	(0.75)	48.03	(0.71)	12.92	(0.51)	1.42	(0.18)	1.95	(0.20)
FRA	734579	0.87	728167	36.43	(1.04)	35.13	(0.85)	21.63	(0.70)	4.94	(0.32)	1.88	(0.23)
DEU	884358	5.57	835070	47.45	(1.01)	34.64	(0.75)	14.26	(0.63)	2.25	(0.21)	1.40	(0.24)
GRC	105131	0.13	104991	23.43	(0.58)	43.16	(0.71)	26.28	(0.66)	4.94	(0.42)	2.19	(0.26)
HUN	107044	0.06	106984	43.16	(0.97)	38.77	(0.89)	16.07	(0.61)	1.32	(0.18)	0.68	(0.14)
ISL	3928	0.63	3903	25.40	(0.66)	44.33	(0.81)	24.38	(0.64)	5.27	(0.39)	0.61	(.)
IRL	54850	1.03	54285	35.44	(0.91)	47.64	(0.81)	13.59	(0.64)	2.28	(0.28)	1.05	(0.22)
ITA	481521	0.20	480558	25.33	(0.68)	53.85	(0.65)	16.60	(0.67)	3.34	(0.36)	0.88	(0.15)
JPN	1240054	0.10	1238855	17.49	(0.83)	43.91	(0.86)	27.57	(0.89)	10.63	(0.57)	0.40	(.)
KOR	533504	.	533504	15.70	(0.66)	43.04	(0.82)	35.88	(0.87)	4.97	(0.32)	0.41	(.)
LUX	4080	0.08	4077	42.63	(0.73)	36.30	(0.68)	15.56	(0.50)	4.16	(0.28)	1.34	(0.17)
MEX	1071650	0.37	1067674	14.54	(0.60)	44.26	(0.87)	30.58	(0.63)	4.42	(0.35)	6.20	(0.59)
NLD	184943	3.14	179135	25.07	(0.88)	53.32	(0.87)	17.79	(0.75)	2.70	(0.28)	1.12	(0.21)
NZL	48638	1.12	48092	34.06	(0.91)	51.15	(0.79)	12.57	(0.53)	1.63	(0.22)	0.59	(.)
NOR	52816	0.77	52407	44.95	(1.12)	38.29	(0.94)	12.44	(0.59)	2.88	(0.27)	1.44	(0.34)
POL	534900	.	534900	27.44	(0.86)	46.38	(0.76)	22.80	(0.74)	2.45	(0.29)	0.94	(0.20)
PRT	96857	0.23	96637	27.40	(1.09)	56.19	(0.87)	13.60	(0.65)	1.32	(0.25)	1.49	(0.26)
SVK	77067	0.04	77034	38.47	(0.95)	38.72	(0.75)	19.18	(0.68)	2.39	(0.30)	1.24	(0.29)
ESP	344372	0.07	344114	22.14	(0.62)	51.22	(0.71)	21.44	(0.76)	3.61	(0.26)	1.60	(0.20)
SWE	107104	0.27	106810	44.34	(0.88)	43.71	(0.91)	9.68	(0.53)	1.46	(0.22)	0.81	(0.17)
CHE	86491	0.14	86370	55.38	(1.38)	32.10	(0.98)	9.18	(0.50)	1.95	(0.30)	1.40	(0.18)
TUR	481279	0.03	481137	17.04	(1.64)	39.65	(1.09)	29.06	(1.15)	7.48	(0.53)	6.78	(0.86)
GBR	698579	3.63	673211	34.10	(0.96)	50.20	(0.80)	12.96	(0.57)	1.85	(0.20)	0.88	(0.17)
USA	3147089	0.76	3123066	20.57	(0.67)	49.87	(0.71)	23.14	(0.65)	4.49	(0.32)	1.93	(0.24)
TOT	.	1.33	.	26.19	(0.24)	45.26	(0.24)	22.07	(0.21)	4.49	(0.13)	2.00	(0.09)
AVG	.	1.23	.	33.14	(0.18)	43.99	(0.14)	17.98	(0.12)	3.29	(0.06)	1.60	(0.05)
HKG	72484	0.21	72334	23.47	(0.96)	52.49	(0.88)	20.86	(0.79)	2.87	(0.33)	0.31	(.)
IDN	1971476	0.14	1968659	7.46	(0.50)	56.17	(0.97)	29.66	(0.95)	1.16	(0.13)	5.55	(0.46)
LVA	33643	0.23	33565	19.91	(1.19)	49.09	(1.01)	27.68	(1.20)	2.41	(0.31)	0.91	(0.18)
LIE	338	.	338	56.80	(2.51)	32.00	(2.55)	10.30	(1.57)	0.59	(.)	0.30	(.)
MAC	6546	.	6546	24.06	(1.41)	46.80	(1.68)	26.44	(1.40)	2.61	(0.51)	0.10	(.)
RUS	2153373	0.02	2152991	17.91	(0.71)	47.44	(0.80)	29.30	(0.80)	3.07	(0.27)	2.28	(0.31)
YUG	68596	0.56	68211	19.10	(0.83)	40.98	(0.80)	29.70	(0.92)	3.42	(0.30)	6.80	(0.63)
THA	637076	.	637076	8.21	(0.55)	45.87	(0.99)	40.56	(1.03)	4.64	(0.59)	0.72	(0.14)
TUN	150875	0.13	150672	19.21	(0.72)	31.94	(0.79)	31.89	(0.91)	8.76	(0.48)	8.19	(0.55)
URY	33775	0.15	33724	23.46	(0.77)	44.79	(0.83)	23.06	(0.71)	2.92	(0.25)	5.78	(0.43)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Using a <train timetable> to work out how long it would take to get from one place to another.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	554 (2.44)	515 (2.17)	480 (4.62)	440 (13.80)	372 (12.14)
AUT	85931	1.08	85003	523 (3.80)	475 (3.58)	453 (5.34)	420 (10.13)	424 (30.38)
BEL	111831	1.79	109825	542 (2.60)	517 (2.53)	472 (4.84)	439 (9.65)	322 (19.79)
CAN	330436	9.70	298375	563 (2.14)	525 (1.72)	493 (2.89)	462 (6.04)	492 (8.10)
CZE	121183	4.09	116221	519 (3.10)	488 (2.92)	459 (4.46)	450 (9.57)	. (.)
DNK	51741	0.65	51406	518 (2.72)	488 (3.25)	458 (4.79)	429 (13.19)	384 (19.46)
FIN	57884	0.07	57845	565 (2.18)	541 (2.03)	507 (3.37)	484 (10.21)	493 (9.23)
FRA	734579	0.87	728167	529 (3.12)	499 (3.14)	464 (4.33)	432 (8.32)	397 (15.36)
DEU	884358	5.57	835070	540 (3.53)	485 (3.66)	441 (5.27)	399 (9.61)	353 (13.13)
GRC	105131	0.13	104991	489 (5.72)	476 (3.87)	467 (4.43)	438 (8.68)	358 (16.49)
HUN	107044	0.06	106984	515 (3.43)	470 (2.54)	433 (4.23)	412 (14.22)	391 (28.44)
ISL	3928	0.63	3903	523 (3.47)	496 (2.46)	468 (3.43)	437 (7.70)	. (.)
IRL	54850	1.03	54285	540 (2.58)	512 (3.17)	483 (4.46)	464 (11.10)	351 (18.31)
ITA	481521	0.20	480558	511 (3.69)	474 (3.03)	449 (4.94)	400 (12.10)	364 (18.01)
JPN	1240054	0.10	1238855	545 (5.90)	515 (3.64)	475 (4.32)	426 (7.08)	. (.)
KOR	533504	.	533504	579 (4.21)	544 (3.10)	511 (3.33)	482 (6.67)	. (.)
LUX	4080	0.08	4077	510 (2.44)	473 (2.54)	441 (3.89)	418 (7.24)	323 (15.26)
MEX	1071650	0.37	1067674	427 (7.31)	409 (4.01)	397 (4.23)	361 (9.05)	311 (7.85)
NLD	184943	3.14	179135	555 (3.95)	513 (2.99)	489 (4.11)	468 (8.89)	471 (12.82)
NZL	48638	1.12	48092	564 (3.26)	510 (3.20)	481 (4.91)	451 (14.07)	. (.)
NOR	52816	0.77	52407	530 (3.56)	491 (3.38)	456 (4.77)	417 (10.56)	385 (28.55)
POL	534900	.	534900	537 (4.06)	496 (2.81)	461 (3.48)	438 (9.75)	357 (20.01)
PRT	96857	0.23	96637	516 (4.83)	473 (3.55)	435 (5.38)	386 (14.20)	431 (15.02)
SVK	77067	0.04	77034	506 (3.10)	462 (3.57)	426 (4.45)	401 (12.24)	338 (22.64)
ESP	344372	0.07	344114	512 (3.65)	486 (2.67)	457 (3.11)	409 (7.17)	341 (19.51)
SWE	107104	0.27	106810	545 (2.88)	500 (2.40)	467 (6.21)	412 (15.70)	388 (22.18)
CHE	86491	0.14	86370	530 (3.16)	472 (3.16)	445 (4.79)	414 (11.29)	380 (19.33)
TUR	481279	0.03	481137	498 (15.11)	446 (5.72)	429 (4.45)	407 (5.96)	356 (6.46)
GBR	698579	3.63	673211	543 (3.94)	496 (2.47)	467 (4.22)	444 (10.49)	380 (13.91)
USA	3147089	0.76	3123066	541 (5.07)	493 (2.85)	479 (3.80)	459 (6.39)	375 (14.51)
TOT	.	1.33	.	532 (1.55)	489 (1.15)	462 (1.50)	431 (2.85)	355 (4.89)
AVG	.	1.23	.	531 (0.69)	492 (0.68)	461 (0.88)	429 (1.75)	372 (3.61)
HKG	72484	0.21	72334	542 (3.04)	514 (3.40)	477 (5.64)	419 (12.62)	. (.)
IDN	1971476	0.14	1968659	366 (8.28)	386 (3.41)	387 (3.77)	372 (10.93)	329 (7.43)
LVA	33643	0.23	33565	533 (5.32)	489 (4.03)	469 (4.09)	472 (13.92)	390 (14.28)
LIE	338	.	338	550 (5.62)	504 (9.55)	458 (12.27)	. (.)	. (.)
MAC	6546	.	6546	523 (5.13)	498 (2.91)	479 (4.20)	452 (13.51)	. (.)
RUS	2153373	0.02	2152991	485 (3.97)	450 (4.19)	418 (4.28)	407 (9.57)	310 (10.68)
YUG	68596	0.56	68211	436 (4.91)	423 (3.85)	402 (3.09)	389 (7.87)	334 (8.30)
THA	637076	.	637076	442 (6.04)	423 (3.25)	413 (3.37)	419 (7.13)	352 (18.70)
TUN	150875	0.13	150672	393 (5.68)	378 (3.62)	375 (3.64)	359 (5.47)	335 (6.61)
URY	33775	0.15	33724	469 (5.65)	443 (3.62)	416 (4.32)	367 (13.32)	330 (8.44)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Using a <train timetable> to work out how long it would take to get from one place to another.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	559 (2.52)	510 (2.06)	466 (4.68)	432 (11.55)	404 (12.09)
AUT	85931	1.08	85003	540 (3.55)	487 (2.95)	461 (4.94)	435 (6.89)	433 (19.49)
BEL	111831	1.79	109825	568 (2.44)	538 (2.48)	488 (4.31)	452 (8.97)	368 (19.47)
CAN	330436	9.70	298375	576 (2.30)	526 (1.60)	487 (2.53)	465 (5.48)	504 (7.36)
CZE	121183	4.09	116221	554 (3.61)	510 (3.19)	472 (4.32)	467 (11.84)	. (.)
DNK	51741	0.65	51406	549 (2.70)	506 (2.95)	466 (4.87)	427 (11.24)	416 (17.49)
FIN	57884	0.07	57845	581 (2.65)	536 (1.81)	488 (3.34)	459 (8.76)	512 (8.96)
FRA	734579	0.87	728167	552 (3.33)	510 (2.72)	471 (3.39)	439 (6.74)	431 (13.69)
DEU	884358	5.57	835070	554 (3.41)	494 (3.43)	441 (4.73)	396 (9.86)	386 (9.91)
GRC	105131	0.13	104991	472 (5.18)	449 (3.81)	428 (4.00)	407 (8.74)	355 (11.55)
HUN	107044	0.06	106984	532 (3.58)	474 (2.87)	428 (4.19)	399 (13.38)	400 (28.40)
ISL	3928	0.63	3903	565 (2.87)	518 (2.10)	478 (3.07)	435 (6.34)	. (.)
IRL	54850	1.03	54285	535 (2.65)	497 (2.86)	462 (4.10)	438 (9.70)	362 (13.75)
ITA	481521	0.20	480558	516 (3.74)	462 (2.50)	423 (4.69)	380 (13.90)	376 (14.59)
JPN	1240054	0.10	1238855	593 (7.03)	551 (3.36)	507 (4.18)	447 (6.45)	. (.)
KOR	533504	.	533504	607 (5.16)	555 (3.19)	509 (3.27)	471 (6.67)	. (.)
LUX	4080	0.08	4077	529 (2.05)	484 (1.98)	445 (3.36)	428 (7.25)	379 (12.53)
MEX	1071650	0.37	1067674	419 (5.92)	397 (3.60)	376 (3.36)	340 (8.15)	303 (6.15)
NLD	184943	3.14	179135	593 (4.10)	538 (2.78)	504 (4.26)	465 (8.87)	466 (10.61)
NZL	48638	1.12	48092	574 (2.98)	508 (2.57)	473 (4.38)	432 (13.17)	. (.)
NOR	52816	0.77	52407	531 (3.09)	481 (2.87)	444 (4.26)	412 (8.02)	393 (19.44)
POL	534900	.	534900	541 (3.31)	489 (2.46)	444 (3.35)	414 (9.50)	385 (13.74)
PRT	96857	0.23	96637	517 (4.51)	460 (2.86)	406 (4.55)	375 (11.44)	426 (15.70)
SVK	77067	0.04	77034	544 (3.47)	489 (2.97)	444 (4.28)	417 (12.42)	372 (25.16)
ESP	344372	0.07	344114	525 (3.79)	491 (2.46)	451 (2.50)	413 (5.42)	376 (15.43)
SWE	107104	0.27	106810	549 (3.26)	490 (2.30)	444 (4.87)	398 (12.48)	380 (17.82)
CHE	86491	0.14	86370	564 (3.96)	494 (3.40)	454 (4.31)	430 (8.34)	423 (15.91)
TUR	481279	0.03	481137	510 (16.96)	430 (6.06)	396 (4.52)	371 (6.27)	341 (6.09)
GBR	698579	3.63	673211	554 (3.54)	494 (2.31)	459 (4.18)	438 (9.87)	393 (14.67)
USA	3147089	0.76	3123066	538 (4.96)	480 (2.56)	458 (3.58)	437 (6.26)	390 (12.21)
TOT	.	1.33	.	544 (1.47)	488 (1.03)	453 (1.43)	424 (3.16)	365 (4.23)
AVG	.	1.23	.	547 (0.75)	495 (0.63)	455 (0.88)	424 (1.86)	385 (3.17)
HKG	72484	0.21	72334	608 (4.19)	554 (4.11)	496 (5.62)	420 (12.55)	. (.)
IDN	1971476	0.14	1968659	354 (8.59)	367 (4.03)	361 (4.37)	332 (11.19)	302 (6.45)
LVA	33643	0.23	33565	539 (5.23)	483 (3.98)	450 (3.27)	443 (13.87)	401 (13.25)
LIE	338	.	338	571 (6.33)	504 (10.01)	445 (12.35)	. (.)	. (.)
MAC	6546	.	6546	573 (6.29)	528 (4.46)	492 (5.13)	461 (15.82)	. (.)
RUS	2153373	0.02	2152991	525 (4.60)	477 (4.42)	432 (4.41)	422 (7.47)	369 (8.60)
YUG	68596	0.56	68211	474 (5.63)	450 (3.80)	419 (3.25)	401 (7.92)	355 (7.39)
THA	637076	.	637076	446 (6.84)	425 (3.46)	405 (3.50)	399 (5.14)	379 (15.28)
TUN	150875	0.13	150672	389 (5.33)	362 (3.22)	351 (2.66)	341 (4.11)	328 (5.86)
URY	33775	0.15	33724	465 (5.36)	430 (2.90)	396 (4.01)	361 (8.92)	323 (6.76)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Using a <train timetable> to work out how long it would take to get from one place to another.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	562 (2.54)	510 (2.22)	467 (4.39)	429 (13.06)	402 (13.23)
AUT	85931	1.08	85003	526 (3.62)	472 (3.31)	445 (5.83)	423 (7.50)	415 (23.62)
BEL	111831	1.79	109825	547 (2.54)	515 (2.51)	469 (4.61)	433 (8.90)	344 (17.19)
CAN	330436	9.70	298375	563 (2.46)	512 (2.01)	474 (2.80)	450 (6.12)	483 (8.84)
CZE	121183	4.09	116221	557 (3.78)	518 (3.17)	481 (4.49)	473 (11.97)	. (.)
DNK	51741	0.65	51406	510 (3.00)	468 (3.52)	427 (5.07)	393 (12.46)	355 (20.50)
FIN	57884	0.07	57845	582 (2.54)	541 (2.35)	497 (3.61)	469 (10.47)	519 (11.11)
FRA	734579	0.87	728167	558 (3.75)	511 (3.52)	466 (5.15)	432 (8.18)	411 (16.54)
DEU	884358	5.57	835070	555 (3.61)	493 (3.91)	442 (5.32)	401 (10.28)	373 (13.64)
GRC	105131	0.13	104991	506 (4.83)	485 (4.10)	466 (4.62)	445 (7.93)	402 (12.19)
HUN	107044	0.06	106984	544 (3.64)	487 (2.65)	446 (4.10)	418 (14.22)	405 (30.32)
ISL	3928	0.63	3903	541 (3.21)	497 (2.08)	461 (3.33)	424 (6.60)	. (.)
IRL	54850	1.03	54285	535 (2.84)	499 (3.34)	463 (4.59)	454 (9.68)	382 (17.06)
ITA	481521	0.20	480558	533 (3.95)	483 (2.73)	449 (5.18)	402 (16.38)	399 (16.28)
JPN	1240054	0.10	1238855	604 (7.54)	565 (3.80)	520 (4.47)	467 (6.71)	. (.)
KOR	533504	.	533504	601 (5.62)	552 (3.66)	505 (3.65)	472 (7.72)	. (.)
LUX	4080	0.08	4077	521 (2.67)	472 (2.13)	434 (4.40)	414 (6.35)	346 (15.33)
MEX	1071650	0.37	1067674	436 (5.91)	413 (3.45)	398 (3.37)	367 (7.92)	336 (7.22)
NLD	184943	3.14	179135	581 (4.67)	522 (3.12)	489 (4.46)	459 (9.86)	447 (13.74)
NZL	48638	1.12	48092	570 (3.43)	506 (3.00)	475 (4.46)	442 (13.14)	. (.)
NOR	52816	0.77	52407	519 (3.78)	473 (3.47)	434 (5.66)	401 (9.38)	344 (22.29)
POL	534900	.	534900	551 (3.99)	496 (3.05)	450 (4.28)	426 (9.40)	391 (17.58)
PRT	96857	0.23	96637	514 (4.92)	462 (3.19)	415 (4.99)	379 (13.91)	416 (14.06)
SVK	77067	0.04	77034	539 (3.74)	486 (3.45)	444 (4.32)	402 (19.79)	364 (24.11)
ESP	344372	0.07	344114	529 (3.73)	492 (2.72)	455 (2.98)	408 (6.13)	357 (19.25)
SWE	107104	0.27	106810	543 (3.52)	488 (3.00)	449 (5.95)	401 (15.34)	364 (21.17)
CHE	86491	0.14	86370	551 (4.42)	479 (3.28)	439 (5.04)	411 (10.62)	425 (17.20)
TUR	481279	0.03	481137	506 (15.52)	438 (5.47)	412 (4.30)	391 (5.78)	376 (7.66)
GBR	698579	3.63	673211	565 (3.77)	505 (2.50)	466 (4.57)	450 (11.34)	383 (13.33)
USA	3147089	0.76	3123066	547 (4.90)	487 (2.75)	469 (3.82)	455 (6.98)	396 (17.17)
TOT	.	1.33	.	549 (1.47)	494 (1.07)	462 (1.54)	438 (2.91)	377 (4.25)
AVG	.	1.23	.	544 (0.71)	495 (0.64)	458 (0.87)	429 (1.68)	388 (3.12)
HKG	72484	0.21	72334	588 (3.94)	543 (4.05)	494 (6.09)	433 (11.72)	. (.)
IDN	1971476	0.14	1968659	397 (6.71)	400 (3.32)	394 (3.70)	381 (8.84)	355 (6.02)
LVA	33643	0.23	33565	544 (5.42)	488 (3.75)	459 (3.58)	450 (13.75)	388 (13.06)
LIE	338	.	338	557 (6.34)	497 (10.97)	443 (15.03)	. (.)	. (.)
MAC	6546	.	6546	568 (6.17)	525 (4.85)	493 (5.25)	442 (18.63)	. (.)
RUS	2153373	0.02	2152991	546 (4.23)	497 (4.52)	456 (4.52)	446 (9.27)	380 (11.72)
YUG	68596	0.56	68211	471 (5.19)	447 (3.81)	418 (3.41)	402 (7.71)	377 (9.06)
THA	637076	.	637076	459 (5.96)	436 (3.14)	418 (3.07)	416 (6.27)	401 (17.42)
TUN	150875	0.13	150672	412 (5.19)	389 (3.51)	379 (3.00)	365 (4.63)	349 (7.01)
URY	33775	0.15	33724	477 (6.17)	447 (3.36)	414 (4.37)	384 (8.93)	344 (7.32)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Using a <train timetable> to work out how long it would take to get from one place to another.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	561 (2.31)	518 (1.92)	477 (4.51)	445 (11.05)	413 (11.63)
AUT	85931	1.08	85003	537 (3.43)	490 (3.07)	466 (5.17)	439 (7.53)	432 (21.58)
BEL	111831	1.79	109825	561 (2.36)	532 (2.52)	487 (4.23)	450 (9.30)	387 (12.18)
CAN	330436	9.70	298375	571 (2.25)	524 (1.69)	489 (2.47)	460 (5.39)	503 (7.38)
CZE	121183	4.09	116221	550 (3.37)	513 (3.15)	476 (4.43)	472 (11.50)	. (.)
DNK	51741	0.65	51406	550 (2.66)	509 (2.80)	472 (5.25)	444 (12.40)	415 (17.93)
FIN	57884	0.07	57845	580 (2.52)	541 (1.95)	495 (3.18)	466 (10.97)	529 (8.51)
FRA	734579	0.87	728167	557 (3.32)	520 (2.98)	482 (4.10)	448 (7.04)	432 (14.91)
DEU	884358	5.57	835070	557 (3.35)	504 (3.40)	456 (5.01)	416 (9.07)	396 (10.31)
GRC	105131	0.13	104991	473 (5.86)	452 (3.83)	437 (4.05)	408 (8.17)	356 (12.68)
HUN	107044	0.06	106984	541 (3.63)	486 (2.94)	442 (4.49)	415 (14.73)	424 (25.86)
ISL	3928	0.63	3903	547 (2.57)	508 (2.45)	473 (2.85)	440 (7.26)	. (.)
IRL	54850	1.03	54285	524 (2.55)	494 (2.67)	464 (4.09)	445 (9.74)	366 (12.98)
ITA	481521	0.20	480558	516 (4.02)	467 (2.60)	431 (4.99)	381 (14.57)	362 (16.88)
JPN	1240054	0.10	1238855	604 (6.74)	564 (3.59)	521 (4.48)	464 (7.15)	. (.)
KOR	533504	.	533504	605 (4.76)	561 (2.98)	523 (3.26)	489 (6.81)	. (.)
LUX	4080	0.08	4077	526 (2.23)	485 (2.32)	451 (4.27)	428 (6.06)	394 (14.76)
MEX	1071650	0.37	1067674	418 (7.02)	395 (4.50)	377 (4.08)	338 (7.62)	295 (7.42)
NLD	184943	3.14	179135	570 (4.06)	519 (2.92)	485 (4.57)	447 (10.31)	440 (12.70)
NZL	48638	1.12	48092	579 (3.00)	519 (2.66)	489 (4.40)	444 (12.11)	. (.)
NOR	52816	0.77	52407	525 (3.27)	476 (3.33)	438 (4.87)	402 (8.89)	396 (23.06)
POL	534900	.	534900	533 (3.94)	485 (2.58)	448 (3.58)	413 (9.66)	345 (26.00)
PRT	96857	0.23	96637	516 (5.03)	464 (3.36)	414 (5.41)	375 (13.61)	432 (17.93)
SVK	77067	0.04	77034	535 (3.63)	483 (2.92)	440 (4.42)	417 (12.94)	379 (26.69)
ESP	344372	0.07	344114	520 (4.15)	487 (2.72)	452 (2.66)	411 (6.55)	364 (18.14)
SWE	107104	0.27	106810	542 (3.09)	493 (2.26)	453 (4.99)	408 (13.29)	394 (21.30)
CHE	86491	0.14	86370	555 (3.39)	491 (3.00)	456 (4.68)	434 (8.64)	411 (17.78)
TUR	481279	0.03	481137	482 (14.96)	414 (5.48)	387 (4.22)	361 (5.53)	319 (6.23)
GBR	698579	3.63	673211	551 (3.61)	498 (2.28)	464 (4.17)	441 (10.67)	411 (14.15)
USA	3147089	0.76	3123066	532 (4.89)	475 (2.81)	453 (3.82)	433 (6.55)	377 (13.35)
TOT	.	1.33	.	542 (1.50)	489 (1.17)	457 (1.65)	429 (3.00)	355 (4.69)
AVG	.	1.23	.	543 (0.74)	496 (0.67)	459 (0.92)	427 (1.83)	381 (3.51)
HKG	72484	0.21	72334	599 (3.43)	551 (3.70)	501 (6.01)	436 (13.11)	. (.)
IDN	1971476	0.14	1968659	356 (7.54)	366 (3.36)	363 (3.65)	345 (9.77)	316 (5.64)
LVA	33643	0.23	33565	535 (5.29)	483 (3.91)	451 (4.21)	450 (11.08)	371 (12.63)
LIE	338	.	338	559 (6.77)	505 (8.83)	450 (13.75)	. (.)	. (.)
MAC	6546	.	6546	570 (5.47)	533 (4.07)	502 (4.35)	484 (15.56)	. (.)
RUS	2153373	0.02	2152991	535 (4.48)	488 (4.62)	443 (4.95)	426 (8.89)	355 (11.19)
YUG	68596	0.56	68211	452 (5.28)	431 (3.48)	407 (3.22)	388 (8.56)	339 (8.31)
THA	637076	.	637076	456 (6.13)	430 (3.28)	415 (3.55)	414 (5.42)	378 (19.26)
TUN	150875	0.13	150672	367 (4.54)	349 (3.21)	342 (2.53)	328 (5.10)	304 (5.57)
URY	33775	0.15	33724	452 (5.88)	420 (3.60)	386 (4.21)	351 (13.16)	300 (7.13)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how much cheaper a TV would be after a 30% discount.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	(SE)	Confident %	(SE)	Not Very Confident %	(SE)	Not at All Confident %	(SE)	Missing %	(SE)
AUS	235591	0.33	234807	34.49	(0.86)	44.08	(0.65)	18.40	(0.52)	2.18	(0.17)	0.85	(0.13)
AUT	85931	1.08	85003	48.17	(1.04)	32.72	(0.84)	13.99	(0.75)	3.78	(0.36)	1.34	(0.39)
BEL	111831	1.79	109825	36.81	(0.82)	39.06	(0.68)	17.84	(0.59)	3.63	(0.27)	2.66	(0.46)
CAN	330436	9.70	298375	41.50	(0.68)	38.03	(0.52)	15.87	(0.45)	2.99	(0.18)	1.61	(0.12)
CZE	121183	4.09	116221	52.04	(0.99)	33.75	(0.75)	12.10	(0.62)	1.55	(0.20)	0.56	(.)
DNK	51741	0.65	51406	38.22	(1.02)	38.84	(0.88)	18.44	(0.70)	3.03	(0.23)	1.46	(0.23)
FIN	57884	0.07	57845	33.57	(0.89)	39.99	(0.68)	21.72	(0.72)	2.76	(0.26)	1.96	(0.20)
FRA	734579	0.87	728167	39.66	(0.95)	34.07	(0.71)	19.49	(0.67)	4.87	(0.36)	1.91	(0.22)
DEU	884358	5.57	835070	43.50	(1.07)	32.94	(0.81)	19.04	(0.62)	3.22	(0.29)	1.29	(0.25)
GRC	105131	0.13	104991	27.42	(0.76)	38.01	(0.65)	28.16	(0.79)	4.31	(0.33)	2.11	(0.26)
HUN	107044	0.06	106984	52.28	(1.13)	37.93	(1.02)	8.35	(0.52)	0.73	(0.13)	0.71	(0.15)
ISL	3928	0.63	3903	45.67	(0.71)	36.42	(0.74)	13.63	(0.59)	3.77	(0.36)	0.50	(.)
IRL	54850	1.03	54285	42.99	(0.94)	37.94	(0.77)	14.85	(0.63)	3.13	(0.32)	1.08	(0.23)
ITA	481521	0.20	480558	29.60	(0.92)	52.60	(0.64)	14.68	(0.71)	2.31	(0.29)	0.82	(0.14)
JPN	1240054	0.10	1238855	19.77	(1.02)	35.51	(0.92)	30.61	(0.96)	13.69	(0.76)	0.41	(.)
KOR	533504	.	533504	24.13	(0.85)	41.17	(0.72)	30.50	(0.84)	3.93	(0.28)	0.27	(.)
LUX	4080	0.08	4077	36.87	(0.75)	35.26	(0.79)	21.25	(0.68)	5.23	(0.34)	1.40	(0.18)
MEX	1071650	0.37	1067674	28.05	(0.88)	45.42	(0.83)	17.70	(0.76)	2.55	(0.32)	6.28	(0.61)
NLD	184943	3.14	179135	44.94	(1.09)	40.51	(0.95)	11.34	(0.59)	2.12	(0.31)	1.09	(0.21)
NZL	48638	1.13	48086	34.71	(0.77)	45.39	(0.74)	17.27	(0.64)	2.14	(0.23)	0.49	(.)
NOR	52816	0.77	52407	50.70	(1.01)	31.40	(0.95)	13.44	(0.71)	2.90	(0.31)	1.55	(0.33)
POL	534900	.	534900	33.01	(0.94)	41.36	(0.75)	21.54	(0.72)	2.84	(0.26)	1.25	(0.22)
PRT	96857	0.23	96637	22.37	(0.77)	54.28	(0.70)	20.22	(0.78)	1.66	(0.24)	1.47	(0.24)
SVK	77067	0.04	77034	56.06	(1.24)	33.76	(0.91)	7.48	(0.67)	1.53	(0.28)	1.18	(0.28)
ESP	344372	0.07	344114	34.54	(0.92)	45.89	(0.66)	15.68	(0.71)	2.33	(0.22)	1.55	(0.19)
SWE	107104	0.27	106810	43.78	(1.09)	37.80	(0.89)	15.11	(0.66)	2.49	(0.28)	0.82	(0.15)
CHE	86491	0.14	86370	55.86	(1.41)	28.62	(0.97)	11.69	(0.53)	2.27	(0.23)	1.56	(0.14)
TUR	481279	0.03	481137	27.44	(1.84)	38.72	(1.23)	20.37	(0.97)	5.41	(0.46)	8.06	(1.15)
GBR	698579	3.63	673211	31.85	(0.76)	42.23	(0.75)	21.96	(0.70)	2.84	(0.28)	1.13	(0.19)
USA	3147089	0.76	3123066	35.74	(0.89)	44.02	(0.75)	15.97	(0.56)	2.40	(0.26)	1.87	(0.25)
TOT	.	1.33	.	33.62	(0.33)	40.90	(0.29)	19.38	(0.22)	4.04	(0.12)	2.04	(0.10)
AVG	.	1.23	.	38.15	(0.20)	39.28	(0.15)	17.64	(0.15)	3.29	(0.06)	1.64	(0.06)
HKG	72484	0.21	72334	51.76	(1.36)	39.30	(1.05)	7.23	(0.48)	1.47	(0.21)	0.23	(.)
IDN	1971476	0.14	1968659	17.73	(1.00)	59.61	(0.74)	16.15	(0.76)	1.18	(0.16)	5.32	(0.51)
LVA	33643	0.23	33565	30.41	(1.22)	45.79	(1.10)	20.84	(0.96)	1.87	(0.30)	1.10	(0.19)
LIE	338	.	338	60.14	(2.28)	30.50	(2.38)	6.67	(.)	1.81	(.)	0.89	(.)
MAC	6546	.	6546	55.96	(1.79)	36.94	(1.75)	5.96	(0.89)	0.77	(.)	0.36	(.)
RUS	2153373	0.02	2152991	23.44	(0.77)	46.31	(0.69)	25.47	(0.74)	2.37	(0.20)	2.41	(0.28)
YUG	68596	0.57	68202	34.82	(1.25)	36.97	(0.82)	17.58	(0.75)	3.43	(0.29)	7.21	(0.69)
THA	637076	.	637076	13.38	(0.70)	46.85	(0.87)	34.93	(0.96)	3.98	(0.34)	0.87	(0.16)
TUN	150875	0.13	150672	26.11	(0.92)	31.30	(0.76)	20.64	(0.72)	6.27	(0.42)	15.68	(0.70)
URY	33775	0.15	33724	39.12	(1.11)	40.92	(0.89)	12.49	(0.59)	1.87	(0.21)	5.60	(0.44)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how much cheaper a TV would be after a 30% discount.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	562 (2.61)	518 (2.39)	490 (3.31)	465 (6.50)	374 (13.78)
AUT	85931	1.08	85003	515 (4.13)	479 (3.91)	474 (5.73)	440 (9.09)	419 (33.07)
BEL	111831	1.79	109825	545 (2.53)	510 (3.06)	480 (4.53)	449 (7.54)	320 (20.86)
CAN	330436	9.70	298375	563 (1.92)	518 (1.65)	501 (2.67)	455 (6.07)	475 (7.53)
CZE	121183	4.09	116221	524 (2.79)	475 (3.16)	449 (4.26)	440 (10.57)	. (.)
DNK	51741	0.65	51406	521 (2.87)	488 (3.29)	459 (4.08)	447 (8.70)	386 (18.62)
FIN	57884	0.07	57845	566 (2.31)	542 (2.21)	521 (3.04)	507 (6.40)	493 (9.35)
FRA	734579	0.87	728167	525 (3.02)	494 (3.45)	471 (4.85)	443 (8.24)	391 (14.11)
DEU	884358	5.57	835070	525 (3.70)	489 (4.17)	486 (5.22)	453 (9.73)	353 (13.41)
GRC	105131	0.13	104991	494 (4.67)	470 (4.56)	466 (4.23)	457 (11.16)	340 (18.13)
HUN	107044	0.06	106984	512 (3.00)	457 (2.88)	420 (5.35)	428 (18.84)	370 (27.62)
ISL	3928	0.63	3903	519 (2.28)	482 (2.85)	455 (4.59)	427 (8.06)	. (.)
IRL	54850	1.03	54285	546 (2.66)	505 (3.47)	476 (3.84)	456 (7.84)	360 (20.06)
ITA	481521	0.20	480558	496 (3.88)	472 (3.18)	463 (5.04)	427 (15.96)	361 (20.34)
JPN	1240054	0.10	1238855	550 (6.32)	517 (4.02)	473 (4.38)	440 (6.17)	. (.)
KOR	533504	.	533504	578 (3.66)	539 (2.98)	502 (3.88)	478 (7.69)	. (.)
LUX	4080	0.08	4077	504 (2.88)	478 (2.51)	459 (3.84)	450 (6.29)	310 (13.90)
MEX	1071650	0.37	1067674	437 (4.59)	402 (3.73)	377 (5.70)	340 (8.07)	305 (7.84)
NLD	184943	3.14	179135	543 (3.20)	507 (2.97)	469 (5.04)	457 (9.18)	465 (15.52)
NZL	48638	1.13	48086	565 (3.02)	507 (2.92)	490 (4.75)	486 (12.84)	. (.)
NOR	52816	0.77	52407	528 (3.18)	488 (3.30)	457 (5.69)	412 (8.96)	394 (26.35)
POL	534900	.	534900	543 (3.23)	486 (3.01)	459 (3.73)	462 (8.25)	369 (17.33)
PRT	96857	0.23	96637	515 (4.71)	474 (3.98)	453 (4.92)	425 (13.70)	431 (14.34)
SVK	77067	0.04	77034	501 (2.41)	442 (3.50)	395 (6.10)	366 (14.26)	339 (22.78)
ESP	344372	0.07	344114	508 (2.72)	477 (2.81)	458 (3.83)	403 (8.78)	319 (14.12)
SWE	107104	0.27	106810	546 (2.79)	503 (2.81)	472 (3.92)	432 (13.06)	399 (23.59)
CHE	86491	0.14	86370	526 (3.09)	473 (4.17)	463 (4.06)	443 (11.15)	370 (16.28)
TUR	481279	0.03	481137	492 (10.25)	440 (5.31)	418 (4.32)	411 (7.81)	354 (6.59)
GBR	698579	3.63	673211	548 (3.31)	502 (3.37)	467 (3.26)	457 (9.42)	386 (16.79)
USA	3147089	0.76	3123066	543 (3.61)	479 (2.85)	460 (4.48)	428 (10.68)	368 (13.72)
TOT	.	1.33	.	528 (1.36)	481 (1.22)	461 (1.56)	435 (3.00)	349 (4.35)
AVG	.	1.23	.	528 (0.69)	487 (0.75)	466 (0.82)	441 (1.76)	365 (3.68)
HKG	72484	0.21	72334	536 (2.61)	493 (4.26)	444 (8.19)	392 (14.75)	. (.)
IDN	1971476	0.14	1968659	406 (5.53)	386 (3.17)	364 (3.53)	339 (11.04)	318 (7.04)
LVA	33643	0.23	33565	530 (4.47)	481 (4.07)	464 (4.99)	443 (17.79)	388 (17.84)
LIE	338	.	338	546 (4.20)	492 (8.77)	. (.)	. (.)	. (.)
MAC	6546	.	6546	512 (3.31)	483 (3.93)	468 (10.05)	. (.)	. (.)
RUS	2153373	0.02	2152991	485 (3.94)	440 (3.90)	421 (4.93)	424 (13.28)	313 (9.04)
YUG	68596	0.57	68202	441 (4.08)	409 (3.39)	399 (4.23)	394 (7.04)	329 (7.95)
THA	637076	.	637076	455 (5.22)	421 (3.26)	409 (3.02)	399 (8.34)	355 (16.55)
TUN	150875	0.13	150672	400 (5.25)	382 (3.40)	364 (4.09)	348 (6.27)	342 (4.79)
URY	33775	0.15	33724	471 (3.95)	426 (4.20)	406 (6.81)	376 (12.86)	318 (7.57)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how much cheaper a TV would be after a 30% discount.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	575 (2.71)	513 (2.08)	473 (3.00)	437 (6.93)	401 (13.63)
AUT	85931	1.08	85003	537 (3.55)	491 (3.12)	469 (5.04)	445 (7.76)	426 (22.41)
BEL	111831	1.79	109825	576 (2.42)	530 (2.93)	489 (3.75)	455 (6.56)	364 (19.81)
CAN	330436	9.70	298375	579 (1.81)	517 (1.61)	491 (2.48)	455 (5.05)	482 (6.91)
CZE	121183	4.09	116221	561 (3.11)	494 (3.30)	454 (4.07)	440 (11.51)	. (.)
DNK	51741	0.65	51406	559 (2.88)	508 (2.96)	457 (3.31)	444 (6.44)	408 (15.19)
FIN	57884	0.07	57845	589 (2.63)	538 (2.02)	501 (2.70)	471 (5.24)	512 (8.78)
FRA	734579	0.87	728167	549 (2.62)	504 (3.16)	476 (4.31)	444 (5.95)	428 (11.89)
DEU	884358	5.57	835070	545 (3.95)	497 (4.08)	480 (4.91)	430 (8.22)	384 (9.76)
GRC	105131	0.13	104991	483 (4.52)	444 (3.95)	425 (3.96)	403 (8.01)	331 (10.65)
HUN	107044	0.06	106984	530 (3.22)	456 (2.94)	411 (4.91)	413 (15.39)	387 (30.61)
ISL	3928	0.63	3903	551 (2.16)	501 (2.37)	461 (3.84)	429 (7.03)	. (.)
IRL	54850	1.03	54285	540 (2.56)	490 (3.11)	453 (3.54)	424 (7.75)	368 (15.23)
ITA	481521	0.20	480558	505 (3.90)	456 (2.81)	439 (4.85)	398 (18.41)	370 (14.84)
JPN	1240054	0.10	1238855	603 (6.78)	558 (3.55)	499 (3.94)	459 (5.47)	. (.)
KOR	533504	.	533504	609 (4.25)	548 (3.15)	493 (3.41)	462 (6.99)	. (.)
LUX	4080	0.08	4077	529 (2.24)	488 (2.09)	460 (3.36)	448 (5.57)	367 (12.73)
MEX	1071650	0.37	1067674	425 (4.32)	386 (3.31)	359 (4.19)	330 (8.33)	299 (7.37)
NLD	184943	3.14	179135	579 (3.17)	528 (2.64)	476 (5.16)	452 (8.54)	458 (12.98)
NZL	48638	1.13	48086	578 (2.74)	507 (2.47)	475 (3.71)	460 (10.69)	. (.)
NOR	52816	0.77	52407	528 (2.66)	478 (2.76)	444 (3.67)	402 (6.76)	402 (17.89)
POL	534900	.	534900	547 (2.82)	477 (2.48)	443 (3.49)	431 (6.05)	388 (12.99)
PRT	96857	0.23	96637	522 (4.41)	460 (3.34)	429 (3.92)	401 (12.42)	425 (13.33)
SVK	77067	0.04	77034	536 (2.70)	464 (2.99)	408 (5.38)	382 (17.90)	374 (25.55)
ESP	344372	0.07	344114	520 (2.82)	478 (2.41)	452 (3.16)	412 (7.18)	367 (12.08)
SWE	107104	0.27	106810	554 (3.19)	491 (2.42)	450 (3.25)	404 (10.75)	393 (19.42)
CHE	86491	0.14	86370	564 (3.93)	490 (3.34)	467 (4.08)	449 (7.19)	415 (13.69)
TUR	481279	0.03	481137	498 (11.95)	417 (5.19)	385 (4.38)	373 (6.35)	331 (5.81)
GBR	698579	3.63	673211	563 (2.85)	501 (3.15)	456 (3.20)	438 (8.84)	399 (16.52)
USA	3147089	0.76	3123066	537 (3.65)	463 (2.61)	442 (3.44)	403 (8.62)	387 (12.17)
TOT	.	1.33	.	540 (1.39)	478 (1.10)	454 (1.40)	430 (2.82)	359 (4.20)
AVG	.	1.23	.	546 (0.73)	488 (0.67)	456 (0.81)	431 (1.66)	377 (3.26)
HKG	72484	0.21	72334	591 (3.58)	521 (4.75)	458 (8.50)	388 (17.08)	. (.)
IDN	1971476	0.14	1968659	399 (6.11)	363 (3.66)	332 (3.82)	310 (9.84)	294 (5.41)
LVA	33643	0.23	33565	535 (4.18)	472 (3.91)	442 (4.03)	424 (13.22)	399 (17.35)
LIE	338	.	338	567 (5.24)	492 (9.00)	. (.)	. (.)	. (.)
MAC	6546	.	6546	550 (4.17)	505 (4.09)	471 (13.38)	. (.)	. (.)
RUS	2153373	0.02	2152991	523 (4.95)	464 (3.91)	438 (4.67)	437 (7.56)	369 (7.79)
YUG	68596	0.57	68202	477 (4.33)	433 (3.45)	411 (4.06)	397 (7.67)	349 (7.36)
THA	637076	.	637076	467 (5.71)	419 (3.44)	400 (3.05)	386 (5.33)	375 (13.95)
TUN	150875	0.13	150672	394 (4.73)	363 (2.90)	340 (2.88)	326 (5.38)	328 (4.33)
URY	33775	0.15	33724	465 (3.39)	411 (3.64)	384 (5.22)	361 (10.50)	309 (5.76)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Calculating how much cheaper a TV would be after a 30% discount.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	576 (2.74)	513 (2.24)	476 (3.28)	442 (6.65)	402 (13.86)
AUT	85931	1.08	85003	521 (3.66)	476 (3.49)	459 (5.53)	428 (8.85)	408 (26.69)
BEL	111831	1.79	109825	553 (2.77)	508 (2.90)	472 (3.85)	439 (7.36)	339 (17.61)
CAN	330436	9.70	298375	565 (2.06)	504 (1.96)	478 (2.94)	437 (6.08)	458 (8.96)
CZE	121183	4.09	116221	564 (3.19)	502 (3.47)	466 (4.54)	448 (12.39)	. (.)
DNK	51741	0.65	51406	519 (3.42)	469 (3.16)	422 (4.06)	404 (9.39)	349 (17.89)
FIN	57884	0.07	57845	586 (2.75)	543 (2.41)	509 (3.06)	488 (6.02)	519 (11.11)
FRA	734579	0.87	728167	553 (3.26)	505 (3.94)	472 (5.21)	435 (7.85)	406 (15.81)
DEU	884358	5.57	835070	545 (3.96)	496 (4.59)	483 (5.57)	441 (10.09)	367 (12.20)
GRC	105131	0.13	104991	516 (4.24)	479 (4.20)	464 (4.28)	449 (9.30)	382 (13.27)
HUN	107044	0.06	106984	540 (3.46)	472 (2.66)	430 (5.80)	436 (21.41)	393 (30.66)
ISL	3928	0.63	3903	529 (2.33)	481 (2.96)	446 (5.55)	419 (7.03)	. (.)
IRL	54850	1.03	54285	541 (2.80)	491 (3.61)	458 (4.40)	436 (8.89)	382 (16.05)
ITA	481521	0.20	480558	520 (4.08)	478 (3.07)	465 (5.09)	426 (23.04)	389 (17.34)
JPN	1240054	0.10	1238855	611 (7.33)	569 (4.03)	516 (4.17)	479 (6.06)	. (.)
KOR	533504	.	533504	601 (4.72)	544 (3.46)	492 (3.96)	465 (7.87)	. (.)
LUX	4080	0.08	4077	519 (2.74)	477 (2.53)	451 (3.78)	437 (7.21)	329 (13.70)
MEX	1071650	0.37	1067674	441 (4.19)	405 (3.07)	383 (4.94)	356 (7.20)	332 (7.86)
NLD	184943	3.14	179135	564 (3.77)	513 (3.01)	465 (5.66)	445 (9.01)	443 (15.36)
NZL	48638	1.13	48086	572 (3.29)	503 (3.23)	480 (4.04)	469 (10.69)	. (.)
NOR	52816	0.77	52407	516 (3.36)	469 (3.39)	433 (5.23)	399 (8.92)	359 (20.21)
POL	534900	.	534900	557 (3.45)	484 (2.99)	447 (3.92)	440 (7.98)	396 (14.43)
PRT	96857	0.23	96637	517 (4.78)	463 (3.58)	435 (4.64)	410 (13.80)	415 (13.48)
SVK	77067	0.04	77034	532 (2.80)	462 (3.47)	413 (6.59)	357 (28.13)	354 (28.23)
ESP	344372	0.07	344114	523 (2.97)	481 (2.79)	453 (4.20)	408 (9.00)	338 (17.85)
SWE	107104	0.27	106810	547 (3.32)	491 (2.97)	450 (4.08)	408 (12.73)	379 (24.00)
CHE	86491	0.14	86370	549 (4.20)	477 (3.99)	458 (4.15)	438 (9.70)	415 (15.64)
TUR	481279	0.03	481137	495 (10.85)	428 (4.81)	401 (4.25)	392 (7.43)	368 (6.28)
GBR	698579	3.63	673211	572 (3.15)	512 (3.28)	468 (3.47)	450 (10.84)	390 (16.20)
USA	3147089	0.76	3123066	543 (3.62)	473 (2.76)	449 (4.25)	424 (9.92)	389 (16.01)
TOT	.	1.33	.	543 (1.38)	486 (1.14)	463 (1.61)	443 (2.93)	370 (4.08)
AVG	.	1.23	.	542 (0.71)	488 (0.66)	460 (0.86)	436 (1.91)	380 (2.79)
HKG	72484	0.21	72334	574 (3.31)	515 (4.85)	461 (8.01)	406 (15.66)	. (.)
IDN	1971476	0.14	1968659	426 (5.15)	396 (3.04)	375 (3.11)	357 (10.34)	347 (5.49)
LVA	33643	0.23	33565	539 (4.47)	479 (3.90)	451 (4.63)	425 (15.71)	394 (14.59)
LIE	338	.	338	553 (5.71)	482 (9.73)	. (.)	. (.)	. (.)
MAC	6546	.	6546	545 (3.89)	507 (5.19)	462 (12.18)	. (.)	. (.)
RUS	2153373	0.02	2152991	543 (4.60)	487 (3.97)	458 (4.87)	457 (9.45)	381 (10.29)
YUG	68596	0.57	68202	472 (4.17)	430 (3.17)	413 (4.01)	405 (8.26)	373 (8.91)
THA	637076	.	637076	474 (5.62)	432 (3.18)	413 (2.73)	395 (6.23)	394 (15.45)
TUN	150875	0.13	150672	417 (4.52)	389 (2.87)	370 (3.24)	358 (5.30)	353 (4.98)
URY	33775	0.15	33724	477 (4.02)	428 (3.39)	404 (6.42)	391 (12.45)	337 (7.24)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how much cheaper a TV would be after a 30% discount.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	574 (2.45)	520 (2.03)	486 (2.89)	452 (7.03)	409 (13.48)
AUT	85931	1.08	85003	533 (3.55)	493 (3.13)	476 (4.79)	449 (7.97)	431 (22.40)
BEL	111831	1.79	109825	568 (2.36)	525 (2.81)	489 (3.57)	455 (7.02)	383 (12.80)
CAN	330436	9.70	298375	573 (1.82)	516 (1.84)	493 (2.37)	452 (6.14)	482 (7.48)
CZE	121183	4.09	116221	556 (2.90)	497 (3.33)	463 (3.86)	454 (10.99)	. (.)
DNK	51741	0.65	51406	557 (2.61)	510 (2.84)	468 (3.46)	457 (6.80)	406 (15.68)
FIN	57884	0.07	57845	586 (2.52)	541 (2.11)	511 (2.71)	482 (7.20)	530 (8.38)
FRA	734579	0.87	728167	553 (2.75)	515 (3.63)	487 (4.33)	457 (6.53)	429 (13.17)
DEU	884358	5.57	835070	548 (3.69)	507 (3.94)	494 (4.92)	450 (8.55)	395 (10.33)
GRC	105131	0.13	104991	481 (4.81)	448 (4.22)	431 (4.28)	415 (8.07)	342 (12.96)
HUN	107044	0.06	106984	538 (3.30)	470 (2.89)	427 (6.09)	431 (20.09)	409 (26.93)
ISL	3928	0.63	3903	537 (1.99)	492 (2.27)	459 (3.88)	432 (7.16)	. (.)
IRL	54850	1.03	54285	529 (2.63)	489 (3.03)	457 (3.36)	432 (7.53)	371 (13.90)
ITA	481521	0.20	480558	504 (3.95)	462 (3.12)	445 (5.19)	403 (20.78)	360 (20.83)
JPN	1240054	0.10	1238855	611 (6.33)	569 (3.81)	516 (4.13)	478 (6.66)	. (.)
KOR	533504	.	533504	605 (3.86)	556 (2.98)	510 (3.61)	481 (6.86)	. (.)
LUX	4080	0.08	4077	523 (2.48)	490 (2.37)	466 (3.59)	453 (6.06)	383 (14.51)
MEX	1071650	0.37	1067674	424 (5.00)	387 (4.03)	358 (4.98)	322 (10.38)	290 (8.21)
NLD	184943	3.14	179135	557 (3.21)	510 (2.94)	461 (5.27)	434 (10.37)	436 (14.65)
NZL	48638	1.13	48086	581 (2.71)	517 (2.47)	492 (4.05)	477 (10.52)	. (.)
NOR	52816	0.77	52407	521 (2.90)	475 (3.14)	441 (4.71)	393 (7.58)	403 (21.32)
POL	534900	.	534900	537 (3.14)	474 (2.66)	446 (4.11)	439 (8.26)	359 (20.54)
PRT	96857	0.23	96637	519 (4.79)	465 (3.91)	436 (4.53)	407 (14.44)	433 (14.24)
SVK	77067	0.04	77034	528 (2.71)	460 (3.34)	403 (5.76)	382 (18.34)	386 (26.33)
ESP	344372	0.07	344114	514 (2.82)	477 (2.95)	453 (3.44)	407 (7.76)	349 (14.75)
SWE	107104	0.27	106810	546 (2.91)	495 (2.55)	459 (3.07)	422 (11.33)	406 (19.72)
CHE	86491	0.14	86370	554 (3.42)	490 (3.33)	472 (4.09)	455 (8.10)	404 (16.12)
TUR	481279	0.03	481137	472 (10.55)	404 (4.74)	376 (4.62)	361 (6.56)	313 (6.25)
GBR	698579	3.63	673211	558 (3.05)	504 (2.95)	463 (3.35)	446 (9.23)	410 (16.80)
USA	3147089	0.76	3123066	530 (3.69)	459 (2.84)	436 (3.93)	397 (9.52)	376 (13.15)
TOT	.	1.33	.	535 (1.34)	480 (1.27)	460 (1.59)	438 (3.17)	349 (4.36)
AVG	.	1.23	.	541 (0.66)	489 (0.73)	463 (0.86)	438 (1.91)	374 (3.54)
HKG	72484	0.21	72334	584 (2.98)	522 (4.62)	466 (8.83)	396 (17.58)	. (.)
IDN	1971476	0.14	1968659	391 (5.44)	364 (3.06)	340 (3.21)	322 (10.17)	306 (4.86)
LVA	33643	0.23	33565	532 (4.17)	472 (4.60)	444 (4.90)	429 (14.45)	374 (17.79)
LIE	338	.	338	555 (5.94)	495 (8.90)	. (.)	. (.)	. (.)
MAC	6546	.	6546	551 (3.93)	514 (4.43)	479 (10.38)	. (.)	. (.)
RUS	2153373	0.02	2152991	532 (5.02)	476 (4.33)	449 (5.18)	441 (9.87)	355 (10.02)
YUG	68596	0.57	68202	454 (3.86)	417 (3.42)	402 (3.88)	392 (8.37)	334 (8.20)
THA	637076	.	637076	470 (5.98)	426 (3.28)	410 (3.16)	401 (5.60)	382 (16.69)
TUN	150875	0.13	150672	373 (4.19)	351 (2.88)	334 (2.89)	317 (5.68)	311 (4.24)
URY	33775	0.15	33724	452 (4.05)	400 (4.10)	381 (5.85)	350 (10.51)	289 (7.20)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how many square metres of tiles you need to cover a floor.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	(SE)	Confident %	(SE)	Not Very Confident %	(SE)	Not at All Confident %	(SE)	Missing %	(SE)
AUS	235591	0.33	234807	30.13	(0.85)	44.61	(0.67)	21.30	(0.53)	3.00	(0.19)	0.96	(0.13)
AUT	85931	1.08	85003	44.84	(1.12)	30.32	(0.77)	17.76	(0.81)	5.41	(0.45)	1.68	(0.38)
BEL	111831	1.79	109825	26.02	(0.68)	38.10	(0.66)	26.44	(0.61)	6.35	(0.33)	3.09	(0.47)
CAN	330436	9.70	298375	37.86	(0.51)	37.85	(0.54)	18.51	(0.40)	3.93	(0.22)	1.85	(0.17)
CZE	121183	4.09	116221	35.82	(1.06)	34.65	(0.76)	24.21	(0.84)	4.59	(0.40)	0.73	(0.13)
DNK	51741	0.65	51406	30.94	(0.83)	36.23	(0.69)	25.29	(0.67)	5.67	(0.35)	1.88	(0.26)
FIN	57884	0.07	57845	25.77	(0.70)	35.81	(0.77)	29.94	(0.79)	6.42	(0.33)	2.07	(0.21)
FRA	734579	0.87	728167	28.93	(0.86)	33.03	(0.83)	27.41	(0.87)	8.40	(0.49)	2.22	(0.26)
DEU	884358	5.57	835070	40.81	(0.96)	32.94	(0.72)	20.69	(0.67)	3.95	(0.32)	1.62	(0.26)
GRC	105131	0.13	104991	22.51	(0.74)	29.34	(0.72)	30.55	(0.81)	15.12	(0.80)	2.48	(0.29)
HUN	107044	0.06	106984	36.88	(1.07)	36.00	(0.74)	24.04	(0.78)	2.23	(0.22)	0.86	(0.16)
ISL	3928	0.63	3903	37.21	(0.79)	33.41	(0.76)	22.81	(0.76)	5.92	(0.43)	0.65	(.)
IRL	54850	1.03	54285	28.61	(0.79)	37.93	(0.77)	26.37	(0.77)	5.59	(0.41)	1.50	(0.22)
ITA	481521	0.20	480558	23.83	(0.80)	45.25	(0.67)	24.76	(0.79)	5.06	(0.37)	1.11	(0.18)
JPN	1240054	0.10	1238855	11.92	(0.87)	30.92	(0.83)	40.07	(0.99)	16.60	(0.77)	0.49	(.)
KOR	533504	.	533504	14.65	(0.72)	35.20	(0.75)	43.43	(0.88)	6.19	(0.31)	0.53	(.)
LUX	4080	0.08	4077	33.12	(0.71)	31.28	(0.71)	25.91	(0.64)	7.57	(0.41)	2.12	(0.21)
MEX	1071650	0.37	1067674	23.18	(0.95)	39.20	(0.78)	26.56	(0.69)	3.96	(0.25)	7.09	(0.61)
NLD	184943	3.14	179135	29.27	(0.95)	40.91	(0.76)	23.60	(0.87)	4.83	(0.45)	1.39	(0.25)
NZL	48638	1.14	48081	31.14	(0.71)	43.91	(0.79)	21.54	(0.74)	2.96	(0.28)	0.44	(.)
NOR	52816	0.77	52407	30.70	(0.98)	27.99	(0.73)	31.43	(1.01)	7.79	(0.47)	2.08	(0.37)
POL	534900	.	534900	29.00	(0.79)	39.20	(0.72)	27.10	(0.75)	3.45	(0.29)	1.26	(0.24)
PRT	96857	0.23	96637	16.26	(0.77)	42.74	(1.06)	34.80	(1.14)	4.47	(0.36)	1.73	(0.29)
SVK	77067	0.04	77034	44.59	(1.30)	35.05	(0.78)	16.14	(0.78)	2.78	(0.38)	1.45	(0.30)
ESP	344372	0.07	344114	23.88	(0.74)	39.86	(0.79)	29.41	(0.76)	5.05	(0.29)	1.81	(0.21)
SWE	107104	0.27	106810	30.97	(0.98)	37.17	(0.82)	25.79	(0.81)	5.10	(0.39)	0.98	(0.17)
CHE	86491	0.14	86370	48.19	(0.89)	30.24	(0.68)	16.62	(0.60)	3.10	(0.26)	1.85	(0.19)
TUR	481279	0.03	481137	23.37	(1.44)	35.78	(0.96)	24.74	(0.97)	7.04	(0.51)	9.07	(1.22)
GBR	698579	3.63	673211	27.60	(0.75)	42.44	(0.73)	24.73	(0.73)	3.84	(0.28)	1.39	(0.22)
USA	3147089	0.76	3123066	35.80	(0.81)	41.94	(0.77)	17.14	(0.62)	3.04	(0.27)	2.09	(0.28)
TOT	.	1.33	.	28.58	(0.29)	38.08	(0.28)	25.25	(0.25)	5.73	(0.14)	2.35	(0.11)
AVG	.	1.23	.	30.07	(0.17)	36.64	(0.14)	25.68	(0.15)	5.66	(0.09)	1.95	(0.06)
HKG	72484	0.21	72334	38.04	(1.27)	39.92	(0.86)	18.38	(0.90)	3.27	(0.28)	0.39	(.)
IDN	1971476	0.14	1968659	11.82	(0.60)	56.01	(0.69)	24.77	(0.74)	1.23	(0.15)	6.18	(0.56)
LVA	33643	0.23	33565	23.41	(0.91)	45.14	(0.79)	27.38	(0.77)	2.97	(0.45)	1.10	(0.17)
LIE	338	.	338	53.57	(2.77)	33.46	(2.99)	9.63	(1.52)	2.75	(.)	0.60	(.)
MAC	6546	.	6546	34.77	(1.83)	37.22	(1.76)	24.31	(1.53)	2.98	(0.57)	0.72	(.)
RUS	2153373	0.02	2152991	20.98	(0.90)	45.22	(0.73)	28.44	(0.78)	2.40	(0.17)	2.95	(0.37)
YUG	68596	0.57	68202	29.93	(1.21)	33.63	(0.79)	24.31	(0.88)	3.96	(0.31)	8.17	(0.73)
THA	637076	.	637076	12.93	(0.61)	42.55	(0.85)	36.66	(0.94)	6.35	(0.47)	1.51	(0.22)
TUN	150875	0.13	150672	26.62	(0.89)	30.01	(0.71)	24.36	(0.78)	7.44	(0.39)	11.57	(0.65)
URY	33775	0.15	33724	33.92	(1.03)	39.68	(0.77)	17.09	(0.57)	2.46	(0.29)	6.85	(0.44)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how many square metres of tiles you need to cover a floor.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	565 (2.60)	520 (1.99)	495 (3.56)	474 (5.86)	380 (13.35)
AUT	85931	1.08	85003	517 (3.71)	485 (4.43)	469 (4.58)	446 (8.95)	407 (26.53)
BEL	111831	1.79	109825	539 (3.00)	521 (3.03)	498 (3.44)	464 (6.58)	334 (19.72)
CAN	330436	9.70	298375	564 (1.94)	523 (2.07)	500 (2.14)	464 (5.70)	478 (9.52)
CZE	121183	4.09	116221	533 (2.77)	492 (3.34)	460 (3.57)	443 (6.88)	377 (15.85)
DNK	51741	0.65	51406	525 (3.32)	494 (2.91)	467 (3.78)	456 (6.29)	397 (16.21)
FIN	57884	0.07	57845	574 (2.93)	548 (2.30)	521 (2.28)	519 (5.03)	494 (9.63)
FRA	734579	0.87	728167	527 (3.30)	502 (3.59)	481 (4.14)	457 (5.90)	400 (13.91)
DEU	884358	5.57	835070	532 (3.31)	495 (4.16)	471 (4.57)	437 (8.22)	360 (11.60)
GRC	105131	0.13	104991	493 (4.97)	473 (4.82)	469 (4.73)	469 (5.03)	344 (17.19)
HUN	107044	0.06	106984	519 (3.32)	469 (2.92)	451 (3.22)	446 (10.61)	371 (24.81)
ISL	3928	0.63	3903	524 (2.86)	490 (2.93)	458 (3.71)	445 (6.15)	. (.)
IRL	54850	1.03	54285	551 (3.14)	514 (3.08)	496 (3.23)	469 (6.57)	386 (18.72)
ITA	481521	0.20	480558	506 (4.14)	477 (3.30)	458 (4.10)	438 (7.87)	363 (22.01)
JPN	1240054	0.10	1238855	554 (7.72)	530 (3.63)	485 (4.27)	438 (6.23)	. (.)
KOR	533504	.	533504	584 (3.96)	547 (3.12)	514 (3.42)	491 (6.33)	. (.)
LUX	4080	0.08	4077	509 (2.81)	484 (2.56)	458 (2.75)	444 (5.01)	345 (13.91)
MEX	1071650	0.37	1067674	436 (5.79)	402 (3.83)	395 (3.89)	369 (6.91)	307 (8.07)
NLD	184943	3.14	179135	547 (3.70)	510 (3.39)	503 (3.53)	486 (6.04)	463 (14.38)
NZL	48638	1.14	48081	568 (3.02)	514 (3.09)	487 (4.16)	465 (9.66)	. (.)
NOR	52816	0.77	52407	542 (3.55)	500 (3.82)	478 (3.74)	451 (6.21)	405 (21.65)
POL	534900	.	534900	543 (3.18)	492 (3.53)	466 (3.09)	449 (7.51)	360 (19.89)
PRT	96857	0.23	96637	526 (4.36)	479 (4.73)	462 (4.12)	438 (8.40)	421 (15.42)
SVK	77067	0.04	77034	511 (2.43)	454 (3.22)	413 (4.85)	391 (9.81)	348 (19.92)
ESP	344372	0.07	344114	511 (3.08)	483 (3.16)	470 (3.21)	439 (7.17)	327 (13.03)
SWE	107104	0.27	106810	559 (3.64)	509 (2.73)	486 (3.13)	449 (8.28)	390 (22.25)
CHE	86491	0.14	86370	525 (4.70)	489 (3.10)	466 (3.98)	449 (7.18)	374 (13.87)
TUR	481279	0.03	481137	489 (11.31)	444 (5.61)	432 (5.22)	406 (6.63)	360 (6.61)
GBR	698579	3.63	673211	553 (4.15)	500 (2.85)	480 (3.19)	455 (7.06)	400 (16.60)
USA	3147089	0.76	3123066	540 (3.60)	481 (2.85)	465 (3.99)	437 (9.40)	371 (14.22)
TOT	.	1.33	.	530 (1.50)	486 (1.24)	469 (1.34)	441 (2.72)	355 (4.60)
AVG	.	1.23	.	532 (0.77)	494 (0.74)	474 (0.75)	451 (1.52)	372 (3.48)
HKG	72484	0.21	72334	542 (2.48)	506 (3.70)	467 (5.89)	433 (12.34)	. (.)
IDN	1971476	0.14	1968659	394 (6.34)	386 (3.51)	382 (3.75)	352 (8.66)	324 (6.24)
LVA	33643	0.23	33565	529 (5.21)	486 (3.42)	472 (4.42)	466 (9.56)	398 (15.44)
LIE	338	.	338	548 (5.40)	508 (8.20)	473 (15.55)	. (.)	. (.)
MAC	6546	.	6546	520 (3.35)	493 (4.27)	480 (4.89)	451 (11.75)	. (.)
RUS	2153373	0.02	2152991	486 (4.53)	442 (3.64)	426 (4.22)	410 (13.23)	324 (9.08)
YUG	68596	0.57	68202	443 (4.44)	415 (3.92)	401 (3.02)	388 (7.50)	335 (7.61)
THA	637076	.	637076	446 (4.57)	422 (3.29)	411 (2.98)	416 (5.66)	366 (12.85)
TUN	150875	0.13	150672	393 (5.33)	384 (3.67)	368 (3.38)	349 (5.99)	339 (5.89)
URY	33775	0.15	33724	470 (4.26)	433 (3.78)	415 (5.57)	395 (13.56)	327 (8.00)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how many square metres of tiles you need to cover a floor.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	581 (2.52)	518 (1.69)	475 (2.95)	445 (5.82)	403 (12.82)
AUT	85931	1.08	85003	543 (3.15)	493 (3.49)	470 (4.14)	440 (7.15)	415 (17.10)
BEL	111831	1.79	109825	577 (2.91)	546 (2.84)	505 (3.09)	465 (5.47)	374 (18.34)
CAN	330436	9.70	298375	583 (1.98)	523 (1.87)	487 (2.05)	455 (4.12)	487 (9.18)
CZE	121183	4.09	116221	577 (3.11)	516 (3.35)	471 (3.39)	437 (5.54)	403 (18.88)
DNK	51741	0.65	51406	571 (3.43)	515 (2.75)	469 (2.90)	440 (5.57)	419 (14.34)
FIN	57884	0.07	57845	602 (3.09)	549 (2.27)	504 (2.09)	484 (3.79)	511 (8.73)
FRA	734579	0.87	728167	556 (3.33)	517 (3.16)	484 (3.44)	451 (4.51)	435 (11.58)
DEU	884358	5.57	835070	554 (3.40)	503 (3.79)	466 (4.09)	424 (6.58)	390 (8.89)
GRC	105131	0.13	104991	485 (5.10)	451 (4.12)	432 (3.69)	417 (4.76)	336 (10.51)
HUN	107044	0.06	106984	544 (3.47)	474 (3.22)	442 (3.12)	417 (8.73)	384 (26.24)
ISL	3928	0.63	3903	562 (2.70)	512 (2.54)	465 (2.48)	444 (5.25)	. (.)
IRL	54850	1.03	54285	553 (2.79)	502 (2.72)	469 (2.56)	435 (5.73)	393 (14.33)
ITA	481521	0.20	480558	518 (3.82)	467 (2.89)	431 (3.63)	400 (7.96)	368 (15.37)
JPN	1240054	0.10	1238855	611 (8.36)	571 (3.50)	515 (3.64)	460 (5.55)	. (.)
KOR	533504	.	533504	617 (4.74)	561 (3.24)	511 (3.29)	478 (5.73)	. (.)
LUX	4080	0.08	4077	537 (2.20)	495 (2.21)	460 (2.35)	437 (4.28)	392 (9.22)
MEX	1071650	0.37	1067674	428 (5.03)	388 (3.51)	373 (3.25)	347 (5.08)	300 (6.90)
NLD	184943	3.14	179135	588 (3.41)	535 (3.48)	517 (3.52)	484 (7.07)	463 (12.18)
NZL	48638	1.14	48081	585 (2.72)	514 (2.51)	473 (3.30)	440 (8.50)	. (.)
NOR	52816	0.77	52407	553 (3.22)	499 (3.01)	459 (2.74)	426 (4.14)	411 (14.43)
POL	534900	.	534900	551 (2.81)	484 (3.33)	447 (2.42)	422 (6.39)	380 (14.74)
PRT	96857	0.23	96637	536 (3.95)	472 (4.10)	437 (3.35)	407 (7.81)	412 (13.24)
SVK	77067	0.04	77034	551 (2.58)	477 (2.97)	427 (4.70)	397 (10.75)	378 (21.22)
ESP	344372	0.07	344114	529 (2.87)	489 (2.74)	461 (3.24)	431 (4.41)	366 (11.16)
SWE	107104	0.27	106810	572 (3.68)	504 (2.63)	463 (2.74)	422 (6.95)	395 (16.72)
CHE	86491	0.14	86370	569 (5.13)	509 (2.71)	465 (3.46)	438 (7.42)	413 (12.21)
TUR	481279	0.03	481137	494 (13.24)	424 (5.80)	403 (5.06)	368 (6.30)	335 (5.32)
GBR	698579	3.63	673211	570 (3.54)	501 (2.70)	466 (3.12)	436 (6.83)	409 (15.08)
USA	3147089	0.76	3123066	535 (3.65)	465 (2.36)	443 (3.20)	411 (8.10)	386 (11.18)
TOT	.	1.33	.	542 (1.47)	486 (1.20)	462 (1.12)	433 (2.30)	362 (3.89)
AVG	.	1.23	.	555 (0.83)	498 (0.72)	465 (0.63)	435 (1.20)	382 (2.89)
HKG	72484	0.21	72334	602 (3.38)	543 (4.40)	484 (5.72)	431 (12.31)	. (.)
IDN	1971476	0.14	1968659	388 (7.13)	365 (3.88)	353 (4.29)	321 (10.17)	300 (5.26)
LVA	33643	0.23	33565	537 (5.06)	480 (3.33)	451 (3.85)	432 (8.44)	406 (11.91)
LIE	338	.	338	571 (6.30)	509 (8.35)	452 (13.51)	. (.)	. (.)
MAC	6546	.	6546	563 (4.98)	522 (4.66)	494 (5.61)	463 (16.17)	. (.)
RUS	2153373	0.02	2152991	526 (4.91)	468 (4.01)	440 (4.67)	426 (8.42)	374 (8.69)
YUG	68596	0.57	68202	482 (4.87)	438 (3.75)	417 (2.60)	390 (7.71)	355 (6.66)
THA	637076	.	637076	456 (5.61)	422 (3.19)	403 (3.36)	396 (4.73)	378 (11.72)
TUN	150875	0.13	150672	389 (4.51)	368 (3.21)	340 (2.87)	324 (3.85)	326 (4.93)
URY	33775	0.15	33724	468 (3.79)	418 (3.16)	390 (4.64)	365 (8.01)	318 (6.09)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how many square metres of tiles you need to cover a floor.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	582 (2.59)	518 (1.78)	477 (3.02)	449 (5.51)	405 (12.26)
AUT	85931	1.08	85003	526 (3.28)	480 (4.10)	457 (4.23)	435 (7.73)	399 (20.12)
BEL	111831	1.79	109825	551 (3.12)	523 (3.05)	489 (3.38)	451 (5.84)	352 (16.47)
CAN	330436	9.70	298375	569 (2.23)	511 (2.23)	475 (2.32)	440 (5.78)	463 (10.74)
CZE	121183	4.09	116221	577 (3.33)	523 (3.57)	481 (4.12)	453 (6.56)	413 (19.43)
DNK	51741	0.65	51406	531 (3.67)	476 (3.29)	432 (3.51)	406 (6.43)	358 (15.66)
FIN	57884	0.07	57845	600 (3.11)	553 (2.63)	511 (2.20)	498 (4.59)	517 (10.70)
FRA	734579	0.87	728167	562 (4.06)	517 (3.77)	482 (4.43)	445 (6.26)	415 (16.12)
DEU	884358	5.57	835070	553 (3.69)	504 (4.62)	467 (4.71)	428 (7.61)	374 (10.18)
GRC	105131	0.13	104991	519 (4.89)	486 (4.67)	468 (4.16)	457 (5.28)	384 (12.49)
HUN	107044	0.06	106984	552 (3.83)	487 (2.98)	461 (3.37)	445 (10.17)	390 (25.44)
ISL	3928	0.63	3903	539 (2.64)	490 (2.95)	450 (2.97)	428 (6.03)	. (.)
IRL	54850	1.03	54285	552 (3.33)	503 (3.04)	475 (3.04)	445 (6.00)	407 (15.22)
ITA	481521	0.20	480558	534 (4.05)	486 (3.13)	457 (3.76)	432 (9.90)	386 (20.00)
JPN	1240054	0.10	1238855	621 (9.40)	583 (3.86)	530 (4.27)	477 (6.15)	. (.)
KOR	533504	.	533504	610 (5.04)	557 (3.64)	508 (3.64)	482 (6.80)	. (.)
LUX	4080	0.08	4077	528 (2.97)	485 (2.41)	448 (2.84)	428 (4.92)	357 (12.04)
MEX	1071650	0.37	1067674	442 (4.97)	406 (3.66)	396 (2.99)	370 (7.53)	332 (6.90)
NLD	184943	3.14	179135	573 (4.01)	521 (3.95)	500 (3.66)	473 (8.02)	445 (14.06)
NZL	48638	1.14	48081	579 (2.95)	511 (2.80)	475 (3.77)	447 (10.10)	. (.)
NOR	52816	0.77	52407	541 (3.70)	487 (3.91)	450 (3.34)	423 (6.38)	374 (17.28)
POL	534900	.	534900	561 (3.37)	492 (3.51)	452 (3.05)	431 (7.52)	394 (14.23)
PRT	96857	0.23	96637	531 (4.48)	473 (4.17)	442 (4.09)	413 (8.70)	404 (14.62)
SVK	77067	0.04	77034	546 (2.89)	475 (3.61)	428 (4.20)	390 (18.15)	364 (23.25)
ESP	344372	0.07	344114	533 (3.12)	490 (2.92)	466 (3.43)	429 (6.17)	344 (14.16)
SWE	107104	0.27	106810	564 (4.09)	501 (2.93)	466 (3.21)	423 (9.66)	382 (19.53)
CHE	86491	0.14	86370	553 (5.50)	497 (3.56)	454 (4.16)	431 (8.88)	408 (13.87)
TUR	481279	0.03	481137	493 (11.79)	434 (5.48)	416 (5.07)	386 (5.14)	372 (6.33)
GBR	698579	3.63	673211	580 (3.96)	512 (2.82)	478 (3.58)	450 (7.09)	404 (14.92)
USA	3147089	0.76	3123066	542 (3.58)	474 (2.72)	453 (3.86)	429 (9.40)	388 (15.89)
TOT	.	1.33	.	546 (1.43)	492 (1.22)	471 (1.25)	445 (2.49)	374 (3.93)
AVG	.	1.23	.	550 (0.81)	498 (0.71)	468 (0.67)	441 (1.35)	385 (2.51)
HKG	72484	0.21	72334	583 (3.16)	533 (4.14)	483 (6.14)	441 (10.81)	. (.)
IDN	1971476	0.14	1968659	420 (5.71)	398 (3.30)	388 (3.26)	364 (8.60)	351 (4.76)
LVA	33643	0.23	33565	542 (5.56)	485 (3.46)	460 (4.39)	440 (9.69)	396 (14.27)
LIE	338	.	338	558 (6.55)	497 (8.75)	453 (17.47)	. (.)	. (.)
MAC	6546	.	6546	558 (4.79)	522 (5.27)	490 (5.83)	460 (17.28)	. (.)
RUS	2153373	0.02	2152991	547 (5.11)	488 (3.98)	463 (4.33)	445 (10.52)	389 (10.42)
YUG	68596	0.57	68202	476 (4.54)	436 (3.55)	416 (2.99)	399 (7.63)	377 (8.22)
THA	637076	.	637076	469 (5.01)	432 (3.27)	416 (3.00)	412 (5.06)	397 (11.61)
TUN	150875	0.13	150672	411 (4.60)	392 (3.09)	373 (3.67)	355 (5.56)	349 (5.85)
URY	33775	0.15	33724	479 (4.52)	435 (3.13)	413 (5.99)	401 (10.53)	339 (6.18)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating how many square metres of tiles you need to cover a floor.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	579 (2.30)	525 (1.67)	488 (2.87)	460 (5.80)	412 (12.29)
AUT	85931	1.08	85003	539 (3.25)	496 (3.58)	476 (4.13)	448 (6.86)	422 (18.03)
BEL	111831	1.79	109825	567 (2.84)	539 (2.80)	505 (3.10)	466 (5.61)	389 (11.43)
CAN	330436	9.70	298375	576 (1.94)	523 (1.94)	491 (2.11)	455 (4.88)	487 (8.27)
CZE	121183	4.09	116221	570 (2.88)	518 (3.44)	477 (3.48)	449 (5.68)	406 (20.05)
DNK	51741	0.65	51406	567 (3.03)	518 (2.58)	477 (3.18)	453 (5.94)	420 (16.14)
FIN	57884	0.07	57845	597 (2.76)	553 (2.42)	511 (2.52)	496 (4.42)	528 (8.43)
FRA	734579	0.87	728167	559 (3.48)	527 (3.36)	496 (3.51)	466 (4.94)	436 (12.56)
DEU	884358	5.57	835070	555 (3.25)	513 (3.83)	480 (4.09)	442 (6.37)	401 (9.74)
GRC	105131	0.13	104991	481 (5.47)	454 (4.44)	440 (4.12)	425 (5.45)	344 (11.82)
HUN	107044	0.06	106984	550 (3.60)	486 (3.12)	458 (3.19)	437 (9.79)	407 (25.07)
ISL	3928	0.63	3903	546 (2.54)	502 (2.54)	461 (2.78)	445 (5.26)	. (.)
IRL	54850	1.03	54285	539 (2.93)	498 (2.64)	472 (2.82)	445 (5.81)	393 (13.58)
ITA	481521	0.20	480558	515 (3.99)	471 (3.26)	441 (3.39)	410 (8.51)	349 (19.25)
JPN	1240054	0.10	1238855	619 (7.77)	584 (3.55)	529 (3.84)	477 (6.17)	. (.)
KOR	533504	.	533504	614 (4.57)	567 (3.12)	524 (3.26)	494 (5.78)	. (.)
LUX	4080	0.08	4077	531 (2.32)	496 (2.37)	466 (2.96)	443 (4.51)	400 (10.70)
MEX	1071650	0.37	1067674	425 (6.18)	387 (4.03)	376 (4.04)	349 (5.36)	291 (7.85)
NLD	184943	3.14	179135	566 (3.44)	517 (3.52)	497 (3.58)	466 (7.53)	443 (14.59)
NZL	48638	1.14	48081	586 (2.74)	524 (2.48)	491 (3.55)	459 (9.13)	. (.)
NOR	52816	0.77	52407	544 (3.64)	492 (3.69)	458 (3.02)	424 (5.25)	409 (17.25)
POL	534900	.	534900	540 (3.10)	481 (3.50)	450 (2.72)	430 (7.63)	353 (22.83)
PRT	96857	0.23	96637	534 (4.10)	475 (4.67)	444 (4.02)	415 (8.40)	418 (15.73)
SVK	77067	0.04	77034	541 (2.79)	472 (2.97)	425 (4.65)	392 (11.92)	388 (22.39)
ESP	344372	0.07	344114	520 (2.96)	486 (3.21)	464 (3.26)	430 (6.29)	348 (12.66)
SWE	107104	0.27	106810	560 (3.48)	504 (2.47)	472 (2.86)	437 (6.80)	400 (17.39)
CHE	86491	0.14	86370	557 (4.33)	507 (2.65)	471 (3.74)	447 (7.31)	402 (14.74)
TUR	481279	0.03	481137	470 (11.66)	410 (5.40)	392 (4.56)	356 (5.51)	317 (5.91)
GBR	698579	3.63	673211	564 (3.80)	504 (2.73)	474 (3.46)	443 (6.80)	422 (15.27)
USA	3147089	0.76	3123066	528 (3.86)	461 (2.73)	438 (3.33)	406 (7.82)	376 (13.33)
TOT	.	1.33	.	537 (1.52)	486 (1.31)	467 (1.28)	441 (2.47)	353 (4.24)
AVG	.	1.23	.	548 (0.78)	499 (0.74)	470 (0.70)	442 (1.37)	379 (3.25)
HKG	72484	0.21	72334	594 (2.76)	541 (4.02)	489 (6.02)	443 (13.69)	. (.)
IDN	1971476	0.14	1968659	383 (6.16)	365 (3.45)	356 (3.84)	331 (9.67)	312 (4.42)
LVA	33643	0.23	33565	534 (5.01)	479 (3.48)	454 (4.42)	436 (8.92)	380 (10.24)
LIE	338	.	338	560 (6.62)	509 (8.66)	455 (13.72)	. (.)	. (.)
MAC	6546	.	6546	560 (4.70)	530 (4.78)	506 (5.43)	474 (15.96)	. (.)
RUS	2153373	0.02	2152991	533 (5.51)	479 (4.20)	454 (4.55)	427 (10.16)	359 (11.51)
YUG	68596	0.57	68202	458 (4.36)	423 (3.54)	404 (2.78)	380 (8.50)	339 (7.70)
THA	637076	.	637076	459 (5.54)	429 (2.99)	412 (3.37)	410 (5.06)	382 (13.23)
TUN	150875	0.13	150672	367 (4.16)	355 (2.80)	334 (3.05)	316 (4.99)	308 (4.65)
URY	33775	0.15	33724	452 (4.10)	409 (3.92)	385 (5.28)	359 (9.96)	299 (5.99)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Understanding graphs presented in newspapers.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident % (SE)	Confident % (SE)	Not Very Confident % (SE)	Not at All Confident % (SE)	Missing % (SE)
AUS	235591	0.33	234807	38.13 (0.74)	49.34 (0.62)	10.23 (0.33)	1.27 (0.12)	1.04 (0.13)
AUT	85931	1.08	85003	39.39 (1.13)	34.56 (0.83)	18.28 (0.86)	5.91 (0.41)	1.86 (0.38)
BEL	111831	1.79	109825	27.39 (0.61)	43.83 (0.66)	20.81 (0.61)	4.78 (0.29)	3.20 (0.49)
CAN	330436	9.70	298375	42.46 (0.66)	42.36 (0.65)	11.21 (0.35)	2.48 (0.16)	1.48 (0.13)
CZE	121183	4.09	116221	26.58 (0.95)	41.61 (0.86)	26.10 (0.87)	4.83 (0.38)	0.87 (0.17)
DNK	51741	0.65	51406	35.56 (0.76)	48.83 (0.83)	11.82 (0.62)	1.79 (0.25)	2.00 (0.24)
FIN	57884	0.07	57845	18.52 (0.58)	42.74 (0.74)	31.88 (0.81)	4.67 (0.37)	2.19 (0.22)
FRA	734579	0.87	728167	37.82 (0.96)	41.38 (0.78)	15.45 (0.61)	2.99 (0.30)	2.36 (0.25)
DEU	884358	5.57	835070	40.56 (1.01)	36.88 (0.76)	17.02 (0.75)	3.57 (0.33)	1.98 (0.28)
GRC	105131	0.13	104991	30.45 (0.82)	35.57 (0.53)	21.76 (0.65)	9.15 (0.47)	3.08 (0.31)
HUN	107044	0.06	106984	36.65 (0.93)	43.68 (0.78)	17.40 (0.62)	1.31 (0.16)	0.96 (0.18)
ISL	3928	0.63	3903	33.96 (0.78)	41.90 (0.78)	18.30 (0.69)	5.09 (0.39)	0.74 (.)
IRL	54850	1.03	54285	42.76 (0.84)	44.02 (0.72)	9.53 (0.50)	2.12 (0.25)	1.58 (0.30)
ITA	481521	0.20	480558	23.52 (0.66)	53.22 (0.70)	18.92 (0.48)	3.05 (0.32)	1.28 (0.18)
JPN	1240054	0.10	1238855	12.48 (0.71)	39.51 (0.95)	35.29 (0.74)	11.95 (0.75)	0.77 (0.15)
KOR	533504	.	533504	16.50 (0.63)	48.79 (0.70)	30.10 (0.76)	4.06 (0.34)	0.54 (.)
LUX	4080	0.08	4077	36.28 (0.69)	34.82 (0.75)	20.50 (0.62)	6.45 (0.38)	1.96 (0.20)
MEX	1071650	0.37	1067674	23.20 (0.77)	41.42 (0.66)	24.50 (0.66)	3.71 (0.26)	7.17 (0.50)
NLD	184943	3.14	179135	28.75 (0.78)	53.71 (0.83)	13.85 (0.62)	2.45 (0.34)	1.24 (0.21)
NZL	48638	1.17	48068	36.51 (0.70)	52.43 (0.70)	9.28 (0.48)	1.33 (0.18)	0.45 (.)
NOR	52816	0.77	52407	32.01 (0.85)	37.44 (0.78)	21.16 (0.75)	7.32 (0.50)	2.07 (0.37)
POL	534900	.	534900	36.74 (0.92)	46.40 (0.75)	13.38 (0.54)	1.92 (0.24)	1.55 (0.24)
PRT	96857	0.23	96637	36.17 (1.07)	53.02 (1.06)	7.96 (0.55)	1.26 (0.22)	1.59 (0.25)
SVK	77067	0.04	77034	29.49 (0.91)	40.53 (0.74)	22.94 (0.62)	5.38 (0.52)	1.66 (0.32)
ESP	344372	0.07	344114	26.97 (0.79)	47.28 (0.89)	20.17 (0.74)	3.78 (0.33)	1.81 (0.22)
SWE	107104	0.27	106810	44.43 (1.10)	44.96 (0.91)	8.18 (0.48)	1.40 (0.19)	1.03 (0.18)
CHE	86491	0.14	86370	33.58 (1.06)	40.99 (0.78)	20.48 (0.90)	2.84 (0.24)	2.11 (0.21)
TUR	481279	0.03	481137	23.26 (1.37)	37.59 (1.23)	22.64 (0.92)	6.90 (0.45)	9.62 (1.22)
GBR	698579	3.63	673211	34.59 (0.92)	52.23 (0.86)	10.47 (0.46)	1.35 (0.20)	1.36 (0.22)
USA	3147089	0.76	3123066	43.46 (1.07)	42.70 (0.91)	9.69 (0.50)	2.01 (0.20)	2.14 (0.22)
TOT	.	1.33	.	32.44 (0.34)	43.39 (0.31)	17.79 (0.19)	3.90 (0.12)	2.48 (0.09)
AVG	.	1.23	.	32.22 (0.15)	43.79 (0.17)	18.01 (0.11)	3.91 (0.07)	2.06 (0.06)
HKG	72484	0.21	72334	23.77 (0.89)	48.94 (0.89)	23.66 (0.92)	3.04 (0.31)	0.59 (.)
IDN	1971476	0.14	1968659	9.54 (0.58)	47.96 (0.58)	34.06 (0.84)	1.79 (0.20)	6.66 (0.56)
LVA	33643	0.23	33565	22.60 (0.92)	52.79 (1.06)	21.47 (0.85)	1.99 (0.26)	1.15 (0.19)
LIE	338	.	338	44.81 (2.83)	41.91 (2.96)	10.87 (1.69)	2.10 (.)	0.30 (.)
MAC	6546	.	6546	19.95 (1.51)	41.77 (1.38)	33.27 (1.48)	4.01 (0.60)	1.00 (.)
RUS	2153373	0.02	2152991	19.29 (0.91)	43.02 (0.94)	30.17 (0.89)	4.11 (0.44)	3.41 (0.35)
YUG	68596	0.57	68202	22.66 (0.69)	36.91 (0.87)	26.71 (0.89)	4.77 (0.39)	8.95 (0.73)
THA	637076	.	637076	12.16 (0.63)	45.82 (0.91)	36.10 (0.88)	4.39 (0.33)	1.53 (0.21)
TUN	150875	0.13	150672	25.11 (0.80)	33.21 (0.74)	20.75 (0.65)	5.83 (0.40)	15.10 (0.73)
URY	33775	0.15	33724	28.81 (0.89)	43.14 (0.78)	17.87 (0.62)	2.89 (0.29)	7.29 (0.50)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Understanding graphs presented in newspapers.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	559 (2.55)	517 (2.07)	470 (5.19)	431 (9.04)	386 (13.36)
AUT	85931	1.08	85003	532 (3.65)	488 (3.74)	449 (4.45)	432 (5.91)	409 (24.19)
BEL	111831	1.79	109825	545 (3.20)	523 (2.62)	481 (4.17)	437 (7.90)	338 (19.70)
CAN	330436	9.70	298375	560 (1.85)	522 (1.77)	483 (3.22)	446 (5.91)	475 (9.95)
CZE	121183	4.09	116221	531 (3.77)	502 (2.74)	466 (3.22)	434 (6.02)	363 (13.82)
DNK	51741	0.65	51406	516 (2.86)	493 (2.93)	446 (5.78)	416 (9.89)	403 (16.57)
FIN	57884	0.07	57845	569 (2.80)	551 (2.00)	525 (2.79)	516 (6.41)	493 (9.32)
FRA	734579	0.87	728167	519 (3.13)	503 (3.40)	460 (6.16)	416 (10.69)	398 (12.57)
DEU	884358	5.57	835070	539 (3.35)	501 (3.74)	446 (4.79)	402 (8.24)	369 (14.00)
GRC	105131	0.13	104991	503 (4.42)	477 (4.65)	455 (4.83)	431 (5.34)	363 (15.99)
HUN	107044	0.06	106984	514 (3.37)	476 (2.48)	440 (3.88)	400 (13.33)	377 (21.97)
ISL	3928	0.63	3903	522 (2.71)	491 (2.73)	461 (4.25)	433 (6.53)	. (.)
IRL	54850	1.03	54285	540 (2.73)	509 (2.83)	471 (6.42)	432 (8.91)	377 (18.48)
ITA	481521	0.20	480558	503 (3.92)	479 (2.82)	450 (5.13)	414 (10.96)	362 (18.95)
JPN	1240054	0.10	1238855	548 (6.88)	522 (3.70)	484 (4.15)	423 (7.25)	344 (32.42)
KOR	533504	.	533504	577 (4.26)	542 (2.87)	508 (3.72)	466 (7.61)	. (.)
LUX	4080	0.08	4077	516 (2.66)	483 (2.50)	441 (3.70)	419 (5.67)	340 (13.05)
MEX	1071650	0.37	1067674	429 (6.19)	404 (3.76)	397 (4.71)	360 (9.25)	311 (6.34)
NLD	184943	3.14	179135	535 (3.72)	516 (3.09)	499 (4.37)	468 (8.55)	469 (15.36)
NZL	48638	1.17	48068	559 (2.86)	512 (3.01)	465 (6.21)	425 (16.21)	. (.)
NOR	52816	0.77	52407	534 (3.69)	508 (3.14)	470 (3.92)	433 (6.37)	398 (20.60)
POL	534900	.	534900	536 (2.93)	488 (3.26)	446 (4.57)	406 (10.74)	370 (14.96)
PRT	96857	0.23	96637	510 (3.94)	469 (3.80)	418 (6.66)	352 (13.60)	433 (13.19)
SVK	77067	0.04	77034	507 (2.81)	473 (3.25)	438 (4.42)	403 (9.24)	350 (17.98)
ESP	344372	0.07	344114	512 (3.39)	484 (2.28)	459 (3.90)	401 (8.55)	327 (12.07)
SWE	107104	0.27	106810	544 (3.07)	502 (2.00)	463 (5.36)	375 (14.55)	389 (20.74)
CHE	86491	0.14	86370	531 (3.95)	499 (3.32)	465 (3.37)	449 (8.97)	391 (12.79)
TUR	481279	0.03	481137	484 (10.79)	451 (5.61)	425 (4.76)	404 (5.93)	361 (6.44)
GBR	698579	3.63	673211	538 (3.49)	498 (2.75)	469 (5.06)	423 (10.32)	388 (13.42)
USA	3147089	0.76	3123066	536 (3.03)	478 (3.04)	436 (4.81)	410 (10.24)	370 (13.32)
TOT	.	1.33	.	527 (1.36)	488 (1.19)	455 (1.47)	415 (2.79)	358 (4.08)
AVG	.	1.23	.	529 (0.69)	496 (0.67)	462 (0.82)	425 (1.59)	374 (3.08)
HKG	72484	0.21	72334	541 (3.93)	516 (3.34)	479 (5.68)	435 (9.99)	. (.)
IDN	1971476	0.14	1968659	377 (6.47)	385 (3.63)	390 (3.24)	357 (10.06)	325 (6.48)
LVA	33643	0.23	33565	527 (4.31)	488 (4.30)	468 (4.06)	444 (11.22)	413 (16.80)
LIE	338	.	338	559 (5.83)	511 (7.02)	452 (12.63)	. (.)	. (.)
MAC	6546	.	6546	512 (5.72)	505 (3.55)	485 (4.20)	471 (11.57)	. (.)
RUS	2153373	0.02	2152991	481 (4.95)	449 (4.29)	426 (3.57)	404 (10.29)	330 (8.28)
YUG	68596	0.57	68202	438 (4.47)	419 (3.61)	409 (3.85)	399 (6.88)	337 (7.28)
THA	637076	.	637076	449 (5.52)	422 (3.07)	411 (3.20)	405 (7.31)	365 (12.89)
TUN	150875	0.13	150672	386 (3.93)	382 (3.87)	378 (3.87)	360 (6.88)	339 (5.66)
URY	33775	0.15	33724	471 (4.98)	439 (3.52)	411 (5.43)	377 (12.96)	334 (7.56)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Understanding graphs presented in newspapers.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	566 (2.70)	511 (1.83)	461 (4.40)	413 (9.26)	407 (12.63)
AUT	85931	1.08	85003	550 (3.21)	501 (3.28)	460 (3.82)	435 (5.09)	423 (16.65)
BEL	111831	1.79	109825	573 (2.82)	545 (2.48)	498 (3.76)	449 (6.72)	376 (18.18)
CAN	330436	9.70	298375	573 (1.79)	521 (1.67)	480 (3.04)	447 (5.45)	481 (9.06)
CZE	121183	4.09	116221	571 (4.28)	529 (2.97)	482 (3.17)	442 (5.96)	385 (15.02)
DNK	51741	0.65	51406	547 (3.17)	513 (2.77)	454 (4.81)	418 (7.80)	427 (15.43)
FIN	57884	0.07	57845	590 (3.45)	555 (1.76)	515 (2.61)	484 (5.75)	508 (9.03)
FRA	734579	0.87	728167	537 (3.04)	514 (3.13)	475 (4.71)	426 (8.20)	431 (11.36)
DEU	884358	5.57	835070	553 (3.38)	510 (3.58)	449 (4.27)	404 (7.86)	395 (10.41)
GRC	105131	0.13	104991	485 (4.31)	451 (3.95)	418 (3.60)	382 (5.29)	351 (11.66)
HUN	107044	0.06	106984	533 (3.75)	480 (2.85)	438 (3.42)	389 (10.88)	391 (22.05)
ISL	3928	0.63	3903	556 (2.37)	512 (2.43)	474 (3.16)	433 (5.97)	. (.)
IRL	54850	1.03	54285	531 (2.64)	494 (2.57)	458 (4.98)	403 (9.17)	381 (12.48)
ITA	481521	0.20	480558	504 (3.68)	468 (3.00)	431 (3.97)	386 (14.65)	371 (14.73)
JPN	1240054	0.10	1238855	596 (8.14)	555 (3.34)	520 (4.17)	450 (6.63)	422 (23.97)
KOR	533504	.	533504	601 (5.35)	550 (3.19)	510 (3.42)	460 (7.21)	. (.)
LUX	4080	0.08	4077	536 (2.07)	494 (2.02)	449 (2.82)	418 (4.94)	391 (9.60)
MEX	1071650	0.37	1067674	417 (5.60)	390 (3.22)	376 (4.30)	343 (8.34)	307 (6.11)
NLD	184943	3.14	179135	570 (3.71)	541 (3.14)	515 (4.95)	465 (8.12)	466 (13.69)
NZL	48638	1.17	48068	568 (2.79)	509 (2.43)	466 (5.23)	413 (15.18)	. (.)
NOR	52816	0.77	52407	539 (3.10)	499 (2.66)	458 (2.94)	420 (4.61)	401 (14.01)
POL	534900	.	534900	534 (2.57)	478 (2.58)	438 (3.33)	400 (8.90)	385 (11.63)
PRT	96857	0.23	96637	504 (3.35)	454 (3.37)	400 (5.84)	355 (16.28)	425 (12.24)
SVK	77067	0.04	77034	545 (3.03)	503 (3.33)	458 (3.45)	414 (10.96)	382 (20.13)
ESP	344372	0.07	344114	522 (3.17)	488 (2.27)	454 (2.92)	407 (6.70)	362 (11.55)
SWE	107104	0.27	106810	546 (3.11)	492 (2.20)	444 (5.00)	370 (12.44)	391 (17.35)
CHE	86491	0.14	86370	572 (4.72)	524 (2.98)	478 (3.07)	450 (7.28)	424 (10.96)
TUR	481279	0.03	481137	483 (12.57)	432 (6.51)	399 (4.70)	375 (6.05)	337 (5.04)
GBR	698579	3.63	673211	547 (3.26)	496 (2.71)	463 (4.28)	420 (10.85)	403 (13.97)
USA	3147089	0.76	3123066	526 (3.10)	463 (2.63)	419 (4.49)	397 (8.45)	379 (11.50)
TOT	.	1.33	.	531 (1.31)	486 (1.04)	456 (1.62)	417 (2.75)	364 (3.77)
AVG	.	1.23	.	542 (0.74)	499 (0.60)	462 (0.90)	420 (1.50)	384 (2.68)
HKG	72484	0.21	72334	600 (4.89)	557 (3.95)	504 (6.18)	438 (10.12)	. (.)
IDN	1971476	0.14	1968659	362 (6.26)	366 (3.94)	365 (4.26)	337 (8.60)	300 (5.48)
LVA	33643	0.23	33565	527 (4.68)	480 (3.90)	455 (3.91)	424 (11.82)	410 (12.03)
LIE	338	.	338	580 (6.27)	518 (7.14)	440 (12.77)	. (.)	. (.)
MAC	6546	.	6546	562 (9.39)	534 (4.12)	504 (5.62)	496 (12.63)	. (.)
RUS	2153373	0.02	2152991	515 (5.78)	473 (4.32)	448 (3.95)	416 (6.97)	383 (7.88)
YUG	68596	0.57	68202	472 (5.08)	446 (3.72)	427 (3.72)	408 (6.35)	358 (6.35)
THA	637076	.	637076	456 (5.02)	422 (3.24)	402 (3.34)	384 (6.71)	377 (11.03)
TUN	150875	0.13	150672	379 (3.78)	366 (3.33)	353 (3.09)	332 (5.52)	327 (4.34)
URY	33775	0.15	33724	464 (3.93)	427 (3.21)	394 (4.56)	356 (8.43)	321 (5.08)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Understanding graphs presented in newspapers.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	569 (2.66)	512 (2.09)	454 (5.30)	414 (8.76)	408 (12.06)
AUT	85931	1.08	85003	536 (3.41)	486 (3.53)	444 (4.02)	422 (5.46)	405 (18.18)
BEL	111831	1.79	109825	552 (3.11)	522 (2.63)	478 (4.26)	434 (7.10)	353 (16.21)
CAN	330436	9.70	298375	561 (2.11)	508 (2.09)	462 (3.33)	430 (6.80)	458 (10.63)
CZE	121183	4.09	116221	573 (4.24)	535 (3.09)	490 (3.47)	449 (6.25)	398 (15.17)
DNK	51741	0.65	51406	511 (3.33)	473 (2.95)	413 (6.06)	375 (9.56)	370 (17.51)
FIN	57884	0.07	57845	592 (3.22)	558 (2.21)	520 (2.91)	496 (6.74)	513 (10.79)
FRA	734579	0.87	728167	543 (3.92)	514 (3.46)	466 (6.47)	414 (10.83)	410 (14.37)
DEU	884358	5.57	835070	555 (3.60)	510 (3.89)	447 (5.54)	401 (9.53)	383 (13.35)
GRC	105131	0.13	104991	520 (4.03)	485 (4.53)	456 (4.23)	426 (5.32)	396 (11.47)
HUN	107044	0.06	106984	545 (4.14)	494 (2.71)	452 (3.53)	407 (12.49)	394 (23.61)
ISL	3928	0.63	3903	536 (2.69)	491 (2.17)	455 (4.02)	421 (6.20)	. (.)
IRL	54850	1.03	54285	533 (2.89)	497 (2.88)	453 (6.24)	413 (8.62)	394 (16.21)
ITA	481521	0.20	480558	524 (4.22)	490 (2.97)	450 (4.55)	404 (16.02)	384 (17.58)
JPN	1240054	0.10	1238855	610 (8.63)	571 (3.78)	531 (4.10)	464 (7.25)	416 (25.61)
KOR	533504	.	533504	595 (5.55)	549 (3.46)	503 (4.01)	457 (8.10)	. (.)
LUX	4080	0.08	4077	529 (2.85)	484 (2.54)	435 (2.98)	406 (5.65)	356 (11.70)
MEX	1071650	0.37	1067674	434 (5.44)	408 (3.07)	397 (4.01)	367 (8.27)	338 (5.90)
NLD	184943	3.14	179135	556 (4.09)	526 (3.50)	502 (5.10)	450 (8.83)	448 (15.69)
NZL	48638	1.17	48068	565 (3.23)	507 (2.79)	460 (5.39)	421 (15.13)	. (.)
NOR	52816	0.77	52407	529 (3.74)	490 (3.13)	445 (3.88)	410 (5.71)	367 (15.77)
POL	534900	.	534900	545 (3.05)	485 (2.94)	440 (4.27)	410 (10.04)	391 (13.22)
PRT	96857	0.23	96637	505 (3.78)	456 (3.38)	406 (6.37)	345 (17.32)	418 (12.89)
SVK	77067	0.04	77034	544 (3.17)	498 (3.77)	455 (4.31)	408 (14.89)	369 (21.12)
ESP	344372	0.07	344114	529 (3.40)	490 (2.44)	453 (3.92)	401 (8.96)	346 (14.18)
SWE	107104	0.27	106810	543 (3.92)	489 (2.37)	447 (6.08)	360 (13.76)	376 (20.84)
CHE	86491	0.14	86370	559 (5.06)	512 (3.19)	460 (3.73)	436 (8.98)	414 (12.21)
TUR	481279	0.03	481137	485 (11.32)	441 (5.53)	411 (4.44)	389 (6.31)	373 (6.94)
GBR	698579	3.63	673211	558 (3.39)	506 (2.92)	473 (5.31)	424 (12.54)	398 (13.01)
USA	3147089	0.76	3123066	535 (3.00)	471 (3.07)	428 (4.74)	411 (9.60)	387 (14.00)
TOT	.	1.33	.	538 (1.27)	493 (1.08)	462 (1.53)	426 (2.76)	377 (3.47)
AVG	.	1.23	.	541 (0.72)	499 (0.57)	462 (0.85)	422 (1.71)	387 (2.32)
HKG	72484	0.21	72334	582 (4.58)	545 (3.75)	499 (6.19)	446 (8.91)	. (.)
IDN	1971476	0.14	1968659	399 (5.75)	400 (3.50)	396 (3.17)	374 (9.50)	353 (5.52)
LVA	33643	0.23	33565	532 (5.30)	487 (3.79)	460 (4.47)	428 (11.45)	406 (15.37)
LIE	338	.	338	571 (7.16)	506 (9.11)	429 (12.10)	. (.)	. (.)
MAC	6546	.	6546	551 (7.89)	531 (5.07)	506 (5.37)	485 (13.74)	. (.)
RUS	2153373	0.02	2152991	537 (5.55)	495 (4.44)	468 (3.91)	438 (9.67)	394 (9.70)
YUG	68596	0.57	68202	469 (4.91)	442 (3.46)	427 (3.62)	409 (6.88)	379 (8.17)
THA	637076	.	637076	468 (5.96)	433 (2.94)	415 (3.27)	404 (7.34)	393 (13.05)
TUN	150875	0.13	150672	403 (3.83)	392 (3.50)	382 (3.84)	361 (5.52)	350 (5.09)
URY	33775	0.15	33724	477 (5.12)	441 (2.89)	416 (5.36)	384 (9.49)	346 (6.13)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Understanding graphs presented in newspapers.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	567 (2.41)	519 (1.80)	471 (4.07)	427 (8.73)	419 (12.50)
AUT	85931	1.08	85003	546 (3.31)	503 (3.21)	463 (3.77)	443 (4.81)	428 (16.63)
BEL	111831	1.79	109825	564 (3.07)	539 (2.50)	497 (3.54)	449 (6.53)	394 (12.05)
CAN	330436	9.70	298375	568 (1.78)	520 (1.68)	479 (3.06)	445 (5.81)	482 (8.70)
CZE	121183	4.09	116221	565 (3.88)	529 (3.13)	487 (3.37)	449 (5.39)	393 (15.80)
DNK	51741	0.65	51406	547 (2.82)	515 (2.62)	462 (4.79)	433 (8.19)	424 (16.23)
FIN	57884	0.07	57845	590 (2.75)	557 (2.01)	521 (2.69)	493 (6.91)	525 (9.54)
FRA	734579	0.87	728167	544 (3.02)	523 (3.36)	485 (5.39)	434 (8.57)	433 (12.22)
DEU	884358	5.57	835070	556 (3.23)	519 (3.69)	464 (4.36)	418 (7.31)	409 (10.86)
GRC	105131	0.13	104991	484 (4.32)	456 (4.25)	424 (4.09)	393 (5.56)	354 (12.19)
HUN	107044	0.06	106984	541 (3.65)	493 (2.94)	452 (3.60)	402 (11.80)	408 (23.51)
ISL	3928	0.63	3903	541 (2.19)	501 (2.36)	470 (3.18)	436 (6.73)	. (.)
IRL	54850	1.03	54285	523 (2.58)	491 (2.38)	457 (5.02)	411 (8.94)	380 (12.33)
ITA	481521	0.20	480558	506 (3.82)	473 (3.15)	437 (4.56)	392 (14.71)	363 (19.19)
JPN	1240054	0.10	1238855	605 (7.34)	570 (3.61)	533 (4.43)	466 (7.83)	397 (30.99)
KOR	533504	.	533504	599 (4.69)	558 (3.05)	522 (3.46)	476 (7.60)	. (.)
LUX	4080	0.08	4077	532 (2.43)	496 (2.42)	452 (3.04)	425 (4.91)	399 (10.44)
MEX	1071650	0.37	1067674	418 (6.33)	390 (4.20)	377 (4.72)	336 (9.67)	299 (6.70)
NLD	184943	3.14	179135	549 (3.82)	521 (3.22)	497 (5.08)	448 (9.05)	445 (16.27)
NZL	48638	1.17	48068	572 (2.76)	521 (2.53)	480 (5.68)	424 (14.72)	. (.)
NOR	52816	0.77	52407	532 (3.73)	496 (2.79)	454 (3.75)	412 (5.81)	401 (16.71)
POL	534900	.	534900	527 (2.91)	476 (2.90)	438 (3.57)	404 (8.83)	363 (18.80)
PRT	96857	0.23	96637	506 (3.82)	459 (3.81)	405 (7.07)	348 (18.34)	430 (12.81)
SVK	77067	0.04	77034	537 (3.30)	496 (3.21)	453 (3.82)	405 (12.86)	390 (20.87)
ESP	344372	0.07	344114	517 (3.48)	486 (2.63)	455 (3.04)	402 (8.27)	350 (12.68)
SWE	107104	0.27	106810	540 (3.00)	495 (2.12)	452 (4.82)	383 (14.54)	403 (17.12)
CHE	86491	0.14	86370	561 (4.09)	520 (2.87)	479 (3.04)	454 (7.13)	415 (12.11)
TUR	481279	0.03	481137	462 (10.85)	418 (5.53)	387 (4.52)	360 (6.04)	320 (5.58)
GBR	698579	3.63	673211	544 (3.23)	500 (2.66)	466 (4.30)	418 (12.84)	415 (14.20)
USA	3147089	0.76	3123066	521 (3.11)	458 (2.84)	413 (4.76)	389 (9.50)	373 (12.42)
TOT	.	1.33	.	528 (1.32)	487 (1.19)	460 (1.65)	422 (3.08)	358 (3.83)
AVG	.	1.23	.	538 (0.73)	500 (0.65)	466 (0.94)	423 (1.69)	381 (3.03)
HKG	72484	0.21	72334	593 (3.86)	554 (3.65)	505 (6.42)	446 (10.57)	. (.)
IDN	1971476	0.14	1968659	363 (6.01)	366 (3.45)	366 (3.35)	340 (8.52)	312 (4.60)
LVA	33643	0.23	33565	526 (4.50)	479 (4.23)	456 (4.42)	430 (11.72)	382 (11.43)
LIE	338	.	338	569 (6.30)	514 (6.59)	443 (12.08)	. (.)	. (.)
MAC	6546	.	6546	555 (8.25)	541 (4.01)	512 (5.10)	503 (12.92)	. (.)
RUS	2153373	0.02	2152991	525 (5.88)	485 (4.75)	458 (4.24)	434 (7.64)	369 (9.62)
YUG	68596	0.57	68202	451 (4.48)	428 (3.51)	415 (3.47)	400 (7.33)	341 (7.37)
THA	637076	.	637076	461 (5.49)	429 (2.91)	413 (3.17)	401 (6.22)	379 (13.53)
TUN	150875	0.13	150672	360 (3.48)	352 (2.86)	345 (3.04)	329 (6.15)	310 (4.47)
URY	33775	0.15	33724	451 (4.79)	417 (3.75)	384 (5.80)	352 (9.92)	303 (6.27)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like 3x+5= 17.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	(SE)	Confident %	(SE)	Not Very Confident %	(SE)	Not at All Confident %	(SE)	Missing %	(SE)
AUS	235591	0.33	234807	49.61	(0.95)	32.89	(0.57)	13.65	(0.46)	2.89	(0.19)	0.96	(0.13)
AUT	85931	1.08	85003	59.34	(1.06)	22.74	(0.84)	11.45	(0.66)	4.80	(0.40)	1.67	(0.38)
BEL	111831	1.79	109825	50.81	(0.91)	28.27	(0.61)	12.66	(0.49)	5.27	(0.34)	2.99	(0.46)
CAN	330436	9.70	298375	63.54	(0.59)	25.93	(0.47)	6.64	(0.22)	2.21	(0.16)	1.67	(0.14)
CZE	121183	4.09	116221	66.00	(0.89)	23.72	(0.71)	7.74	(0.48)	1.67	(0.23)	0.87	(0.15)
DNK	51741	0.65	51406	42.12	(1.12)	31.13	(0.79)	17.43	(0.75)	7.24	(0.48)	2.08	(0.25)
FIN	57884	0.07	57845	48.80	(1.02)	31.58	(0.72)	14.11	(0.67)	3.45	(0.31)	2.06	(0.20)
FRA	734579	0.87	728167	60.77	(1.02)	22.51	(0.69)	10.46	(0.52)	4.32	(0.37)	1.94	(0.24)
DEU	884358	5.57	835070	60.52	(1.04)	24.07	(0.66)	10.53	(0.56)	3.05	(0.33)	1.82	(0.28)
GRC	105131	0.13	104991	60.79	(1.34)	19.37	(0.71)	11.58	(0.56)	5.63	(0.45)	2.63	(0.29)
HUN	107044	0.06	106984	70.69	(0.91)	22.99	(0.73)	4.74	(0.48)	0.80	(0.14)	0.79	(0.17)
ISL	3928	0.63	3903	58.12	(0.88)	25.58	(0.73)	10.62	(0.55)	4.98	(0.39)	0.70	(.)
IRL	54850	1.03	54285	46.27	(1.14)	28.73	(0.85)	16.82	(0.65)	6.91	(0.45)	1.28	(0.24)
ITA	481521	0.20	480558	49.49	(1.19)	34.34	(0.73)	11.65	(0.68)	3.66	(0.38)	0.86	(0.13)
JPN	1240054	0.10	1238855	60.69	(1.22)	24.75	(0.76)	8.14	(0.59)	5.63	(0.58)	0.78	(0.15)
KOR	533504	.	533504	41.26	(1.01)	36.78	(0.81)	16.50	(0.81)	5.15	(0.43)	0.31	(.)
LUX	4080	0.08	4077	65.51	(0.79)	22.52	(0.68)	7.01	(0.39)	3.39	(0.30)	1.57	(0.18)
MEX	1071650	0.37	1067674	33.87	(1.08)	35.07	(0.76)	20.51	(0.80)	4.47	(0.29)	6.08	(0.46)
NLD	184943	3.14	179135	34.20	(1.00)	37.98	(0.79)	20.15	(0.81)	6.49	(0.52)	1.18	(0.22)
NZL	48638	1.14	48081	47.27	(0.71)	35.95	(0.77)	13.54	(0.56)	2.73	(0.29)	0.52	(.)
NOR	52816	0.77	52407	46.82	(0.97)	25.44	(0.72)	16.39	(0.71)	9.42	(0.52)	1.93	(0.36)
POL	534900	.	534900	58.84	(1.02)	30.05	(0.73)	8.29	(0.51)	1.88	(0.22)	0.95	(0.18)
PRT	96857	0.23	96637	44.95	(1.11)	36.04	(0.89)	13.66	(0.72)	3.94	(0.30)	1.41	(0.25)
SVK	77067	0.04	77034	76.32	(1.02)	18.19	(0.66)	3.05	(0.38)	1.13	(0.34)	1.31	(0.29)
ESP	344372	0.07	344114	62.77	(0.92)	24.59	(0.74)	8.20	(0.44)	2.94	(0.30)	1.50	(0.20)
SWE	107104	0.27	106810	43.73	(1.26)	29.85	(0.90)	18.84	(0.81)	6.27	(0.41)	1.31	(0.19)
CHE	86491	0.14	86370	62.71	(1.26)	22.07	(0.85)	9.94	(0.52)	3.61	(0.34)	1.67	(0.20)
TUR	481279	0.03	481137	49.75	(2.07)	23.71	(1.00)	12.54	(0.76)	5.49	(0.50)	8.50	(1.12)
GBR	698579	3.63	673211	42.94	(0.89)	31.59	(0.78)	18.65	(0.59)	5.54	(0.34)	1.27	(0.19)
USA	3147089	0.76	3123066	63.78	(1.01)	25.67	(0.79)	6.49	(0.34)	2.18	(0.20)	1.89	(0.27)
TOT	.	1.33	.	55.31	(0.37)	27.77	(0.28)	11.02	(0.14)	3.74	(0.12)	2.15	(0.10)
AVG	.	1.23	.	54.06	(0.20)	27.80	(0.14)	12.07	(0.10)	4.24	(0.07)	1.82	(0.06)
HKG	72484	0.21	72334	63.42	(0.98)	28.69	(0.83)	5.69	(0.47)	1.92	(0.25)	0.28	(.)
IDN	1971476	0.14	1968659	19.39	(0.85)	53.65	(0.81)	20.29	(0.79)	1.45	(0.20)	5.21	(0.52)
LVA	33643	0.23	33565	56.34	(1.82)	30.95	(1.25)	10.14	(0.73)	1.33	(0.21)	1.24	(0.22)
LIE	338	.	338	67.66	(2.32)	21.12	(2.06)	8.53	(.)	2.39	(.)	0.30	(.)
MAC	6546	.	6546	74.71	(1.42)	22.24	(1.41)	2.39	(.)	0.41	(.)	0.25	(.)
RUS	2153373	0.02	2152991	56.10	(1.49)	32.26	(0.91)	7.77	(0.60)	1.35	(0.25)	2.52	(0.30)
YUG	68596	0.55	68217	68.22	(1.37)	17.96	(0.92)	4.79	(0.38)	1.53	(0.18)	7.50	(0.68)
THA	637076	.	637076	32.37	(1.15)	39.87	(0.90)	22.95	(0.84)	3.55	(0.33)	1.27	(0.17)
TUN	150875	0.13	150672	35.28	(1.05)	22.85	(0.74)	22.88	(0.81)	9.08	(0.42)	9.91	(0.58)
URY	33775	0.15	33724	50.70	(1.28)	29.64	(0.92)	10.45	(0.48)	2.96	(0.25)	6.25	(0.39)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Solving an equation like 3x+5= 17.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	561 (2.14)	506 (2.49)	473 (4.20)	451 (6.02)	384 (13.17)
AUT	85931	1.08	85003	522 (3.48)	461 (3.92)	447 (4.96)	425 (8.26)	419 (24.18)
BEL	111831	1.79	109825	548 (2.06)	506 (3.07)	454 (4.67)	413 (7.68)	323 (19.48)
CAN	330436	9.70	298375	554 (1.68)	502 (1.97)	473 (4.23)	444 (6.48)	468 (8.45)
CZE	121183	4.09	116221	518 (2.70)	465 (3.49)	430 (5.96)	420 (10.89)	374 (18.18)
DNK	51741	0.65	51406	524 (2.81)	488 (3.52)	454 (4.25)	451 (5.39)	406 (14.84)
FIN	57884	0.07	57845	565 (1.94)	532 (2.77)	513 (3.37)	497 (7.24)	492 (9.70)
FRA	734579	0.87	728167	523 (2.74)	478 (4.14)	439 (5.69)	419 (10.83)	387 (14.64)
DEU	884358	5.57	835070	529 (3.18)	479 (4.20)	445 (6.98)	405 (9.04)	364 (10.73)
GRC	105131	0.13	104991	500 (3.91)	447 (5.02)	427 (5.16)	409 (6.64)	352 (14.55)
HUN	107044	0.06	106984	503 (2.67)	443 (2.97)	391 (7.53)	380 (17.10)	380 (25.33)
ISL	3928	0.63	3903	518 (2.47)	472 (3.21)	429 (6.03)	437 (7.76)	. (.)
IRL	54850	1.03	54285	548 (2.82)	504 (3.40)	475 (3.76)	468 (5.30)	376 (21.65)
ITA	481521	0.20	480558	505 (2.93)	460 (3.70)	421 (6.49)	425 (11.26)	364 (15.58)
JPN	1240054	0.10	1238855	523 (3.57)	493 (4.44)	420 (7.56)	386 (7.05)	349 (28.93)
KOR	533504	.	533504	565 (3.30)	536 (2.49)	475 (4.90)	473 (6.83)	. (.)
LUX	4080	0.08	4077	501 (1.97)	461 (3.06)	418 (6.86)	375 (8.64)	331 (15.02)
MEX	1071650	0.37	1067674	433 (5.09)	395 (4.28)	387 (4.23)	375 (5.52)	307 (6.62)
NLD	184943	3.14	179135	549 (3.33)	514 (3.12)	489 (4.14)	468 (5.87)	461 (15.32)
NZL	48638	1.14	48081	558 (2.77)	504 (3.47)	472 (4.97)	447 (9.46)	. (.)
NOR	52816	0.77	52407	537 (3.04)	485 (4.66)	467 (3.74)	437 (5.80)	405 (20.52)
POL	534900	.	534900	528 (2.57)	464 (3.05)	426 (5.81)	424 (11.14)	347 (19.14)
PRT	96857	0.23	96637	513 (3.29)	462 (4.32)	425 (6.53)	418 (8.83)	424 (16.79)
SVK	77067	0.04	77034	489 (2.45)	424 (4.60)	359 (8.52)	334 (11.32)	340 (19.68)
ESP	344372	0.07	344114	505 (2.36)	463 (3.24)	413 (5.61)	380 (7.44)	323 (14.61)
SWE	107104	0.27	106810	551 (2.54)	501 (3.40)	479 (3.21)	453 (7.67)	407 (22.04)
CHE	86491	0.14	86370	526 (3.25)	469 (3.71)	443 (5.62)	430 (7.20)	376 (13.14)
TUR	481279	0.03	481137	481 (6.86)	424 (5.16)	403 (5.22)	387 (6.20)	349 (5.48)
GBR	698579	3.63	673211	548 (3.40)	496 (3.07)	455 (3.63)	439 (6.28)	390 (13.49)
USA	3147089	0.76	3123066	528 (2.84)	452 (3.48)	417 (5.28)	395 (8.50)	374 (16.02)
TOT	.	1.33	.	522 (1.10)	467 (1.40)	430 (1.75)	411 (2.56)	354 (4.35)
AVG	.	1.23	.	524 (0.55)	479 (0.78)	447 (1.10)	428 (1.52)	371 (3.14)
HKG	72484	0.21	72334	525 (2.97)	501 (4.31)	434 (10.87)	393 (10.53)	. (.)
IDN	1971476	0.14	1968659	398 (6.19)	384 (3.30)	379 (3.54)	361 (7.34)	317 (7.37)
LVA	33643	0.23	33565	520 (3.38)	464 (4.29)	425 (6.28)	425 (14.36)	410 (18.38)
LIE	338	.	338	544 (4.63)	492 (10.23)	. (.)	. (.)	. (.)
MAC	6546	.	6546	501 (2.64)	490 (5.64)	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	471 (3.19)	420 (4.39)	378 (6.63)	378 (14.02)	315 (9.60)
YUG	68596	0.55	68217	433 (3.34)	383 (4.08)	365 (6.17)	371 (11.10)	329 (8.18)
THA	637076	.	637076	462 (3.72)	407 (2.95)	390 (3.15)	393 (6.08)	368 (12.96)
TUN	150875	0.13	150672	406 (4.54)	374 (4.02)	354 (4.64)	350 (4.80)	334 (6.53)
URY	33775	0.15	33724	470 (3.66)	417 (3.72)	392 (6.88)	371 (11.23)	326 (9.04)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Solving an equation like 3x+5= 17.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	568 (2.10)	498 (2.23)	459 (3.36)	432 (5.77)	408 (12.31)
AUT	85931	1.08	85003	539 (3.11)	472 (3.37)	454 (4.02)	431 (6.87)	431 (14.01)
BEL	111831	1.79	109825	575 (2.18)	524 (2.66)	468 (3.52)	424 (6.32)	365 (18.38)
CAN	330436	9.70	298375	563 (1.67)	499 (1.90)	464 (4.07)	441 (4.69)	473 (7.22)
CZE	121183	4.09	116221	550 (3.28)	482 (3.09)	446 (6.31)	427 (10.02)	398 (18.06)
DNK	51741	0.65	51406	558 (3.16)	507 (3.13)	463 (3.29)	444 (4.93)	432 (13.79)
FIN	57884	0.07	57845	580 (2.17)	523 (2.16)	495 (3.03)	469 (5.72)	509 (8.79)
FRA	734579	0.87	728167	541 (2.47)	487 (3.19)	448 (4.63)	426 (7.97)	426 (12.35)
DEU	884358	5.57	835070	542 (3.17)	484 (4.30)	447 (5.99)	404 (7.26)	393 (9.37)
GRC	105131	0.13	104991	477 (3.62)	415 (3.73)	386 (4.61)	370 (5.54)	345 (10.48)
HUN	107044	0.06	106984	515 (3.03)	441 (3.05)	386 (7.36)	372 (15.97)	394 (25.50)
ISL	3928	0.63	3903	548 (1.73)	490 (2.96)	443 (4.68)	435 (6.46)	. (.)
IRL	54850	1.03	54285	540 (2.64)	489 (3.15)	459 (3.41)	438 (4.71)	387 (16.54)
ITA	481521	0.20	480558	501 (3.00)	446 (3.24)	405 (5.44)	394 (12.20)	374 (13.52)
JPN	1240054	0.10	1238855	564 (3.81)	524 (4.13)	447 (6.40)	405 (6.56)	419 (21.99)
KOR	533504	.	533504	586 (3.58)	540 (2.50)	466 (4.01)	457 (6.34)	. (.)
LUX	4080	0.08	4077	516 (1.40)	468 (2.66)	427 (5.89)	402 (8.10)	378 (11.10)
MEX	1071650	0.37	1067674	422 (4.34)	379 (3.62)	367 (3.49)	347 (5.81)	303 (6.35)
NLD	184943	3.14	179135	587 (3.49)	539 (3.11)	503 (4.20)	471 (6.30)	455 (11.49)
NZL	48638	1.14	48081	568 (2.43)	501 (2.83)	461 (4.09)	428 (8.43)	. (.)
NOR	52816	0.77	52407	538 (2.70)	479 (3.08)	450 (3.45)	426 (3.91)	410 (14.64)
POL	534900	.	534900	523 (2.39)	454 (2.66)	421 (4.80)	424 (8.08)	372 (15.55)
PRT	96857	0.23	96637	510 (2.56)	445 (3.74)	404 (4.72)	390 (7.33)	424 (13.01)
SVK	77067	0.04	77034	518 (2.68)	448 (4.79)	398 (7.53)	360 (22.47)	372 (23.26)
ESP	344372	0.07	344114	510 (2.31)	464 (2.64)	414 (4.24)	395 (5.71)	362 (11.58)
SWE	107104	0.27	106810	558 (3.04)	491 (3.17)	460 (2.94)	431 (6.04)	401 (16.05)
CHE	86491	0.14	86370	560 (3.70)	489 (3.28)	454 (4.85)	428 (6.47)	416 (12.48)
TUR	481279	0.03	481137	474 (8.15)	397 (4.85)	368 (4.01)	358 (6.29)	328 (4.60)
GBR	698579	3.63	673211	559 (3.07)	494 (2.69)	445 (3.36)	426 (5.65)	408 (13.18)
USA	3147089	0.76	3123066	516 (2.71)	437 (2.93)	402 (4.97)	388 (7.87)	392 (13.96)
TOT	.	1.33	.	527 (0.98)	463 (1.20)	423 (1.61)	404 (2.35)	365 (3.79)
AVG	.	1.23	.	536 (0.55)	479 (0.75)	441 (1.01)	419 (1.33)	383 (2.87)
HKG	72484	0.21	72334	573 (3.87)	531 (5.08)	453 (10.07)	399 (13.14)	. (.)
IDN	1971476	0.14	1968659	387 (7.38)	362 (3.63)	351 (4.51)	322 (9.31)	291 (5.66)
LVA	33643	0.23	33565	517 (3.21)	453 (3.35)	411 (4.92)	408 (13.14)	417 (14.28)
LIE	338	.	338	560 (5.37)	489 (11.04)	. (.)	. (.)	. (.)
MAC	6546	.	6546	534 (3.64)	512 (6.40)	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	498 (3.92)	444 (4.22)	398 (6.71)	386 (9.22)	372 (8.49)
YUG	68596	0.55	68217	460 (3.54)	403 (3.58)	381 (5.55)	387 (11.01)	353 (7.20)
THA	637076	.	637076	468 (4.00)	403 (3.03)	379 (3.08)	372 (6.35)	377 (12.53)
TUN	150875	0.13	150672	399 (4.27)	356 (3.32)	329 (3.04)	321 (3.70)	323 (5.13)
URY	33775	0.15	33724	462 (3.11)	403 (3.63)	372 (4.92)	351 (6.70)	311 (5.92)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like 3x+5= 17.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	568 (2.17)	499 (2.71)	461 (3.65)	435 (5.37)	408 (11.76)
AUT	85931	1.08	85003	524 (3.21)	459 (3.61)	442 (4.89)	416 (7.60)	410 (17.68)
BEL	111831	1.79	109825	552 (2.28)	503 (2.89)	450 (4.27)	411 (6.33)	343 (16.17)
CAN	330436	9.70	298375	550 (1.87)	486 (2.44)	452 (4.61)	425 (6.55)	452 (9.09)
CZE	121183	4.09	116221	553 (3.18)	492 (3.55)	457 (6.48)	446 (11.68)	407 (18.94)
DNK	51741	0.65	51406	518 (3.17)	468 (3.42)	427 (3.94)	412 (5.80)	373 (14.44)
FIN	57884	0.07	57845	580 (2.39)	530 (2.69)	503 (3.71)	477 (6.75)	516 (11.09)
FRA	734579	0.87	728167	545 (3.10)	485 (4.09)	441 (6.08)	416 (11.37)	405 (16.33)
DEU	884358	5.57	835070	542 (3.23)	484 (4.75)	448 (6.85)	403 (8.43)	379 (11.97)
GRC	105131	0.13	104991	511 (3.75)	453 (4.64)	425 (5.04)	416 (6.12)	392 (11.00)
HUN	107044	0.06	106984	527 (3.21)	458 (3.23)	405 (6.97)	392 (17.16)	401 (26.53)
ISL	3928	0.63	3903	525 (2.06)	469 (3.52)	433 (5.41)	423 (7.89)	. (.)
IRL	54850	1.03	54285	541 (2.99)	491 (3.63)	462 (4.04)	447 (5.19)	398 (17.76)
ITA	481521	0.20	480558	520 (3.03)	467 (3.54)	427 (6.71)	426 (15.26)	399 (14.79)
JPN	1240054	0.10	1238855	576 (3.98)	539 (4.40)	464 (6.89)	427 (7.60)	415 (23.59)
KOR	533504	.	533504	578 (3.85)	540 (2.92)	462 (5.41)	458 (7.49)	. (.)
LUX	4080	0.08	4077	508 (2.08)	456 (3.04)	415 (6.33)	377 (9.22)	348 (14.49)
MEX	1071650	0.37	1067674	436 (4.32)	400 (3.65)	390 (3.83)	375 (5.17)	332 (7.07)
NLD	184943	3.14	179135	571 (3.91)	524 (3.46)	490 (4.60)	460 (7.58)	439 (14.90)
NZL	48638	1.14	48081	562 (2.87)	500 (3.38)	463 (4.26)	435 (8.99)	. (.)
NOR	52816	0.77	52407	526 (3.41)	467 (3.98)	444 (4.12)	417 (4.84)	371 (16.97)
POL	534900	.	534900	533 (2.82)	460 (3.42)	421 (6.13)	423 (10.37)	371 (16.16)
PRT	96857	0.23	96637	507 (2.89)	449 (3.89)	415 (6.14)	403 (9.39)	413 (14.20)
SVK	77067	0.04	77034	516 (2.83)	447 (4.53)	388 (8.01)	309 (34.61)	367 (21.96)
ESP	344372	0.07	344114	514 (2.45)	464 (3.12)	413 (5.16)	385 (7.30)	342 (17.19)
SWE	107104	0.27	106810	553 (2.94)	489 (3.72)	461 (4.03)	429 (7.17)	387 (20.08)
CHE	86491	0.14	86370	545 (4.06)	476 (3.78)	446 (5.58)	419 (11.20)	406 (14.30)
TUR	481279	0.03	481137	477 (7.34)	408 (4.36)	390 (4.44)	373 (4.88)	365 (6.58)
GBR	698579	3.63	673211	569 (3.23)	505 (3.27)	457 (4.34)	434 (6.06)	396 (12.81)
USA	3147089	0.76	3123066	524 (2.84)	447 (3.32)	412 (5.16)	405 (8.57)	395 (17.36)
TOT	.	1.33	.	533 (1.06)	471 (1.30)	431 (1.60)	414 (2.37)	375 (4.16)
AVG	.	1.23	.	535 (0.51)	479 (0.77)	443 (0.99)	420 (1.43)	385 (2.44)
HKG	72484	0.21	72334	559 (3.67)	524 (4.94)	453 (10.48)	414 (12.48)	. (.)
IDN	1971476	0.14	1968659	419 (5.65)	395 (3.12)	387 (3.88)	367 (6.82)	346 (5.97)
LVA	33643	0.23	33565	521 (3.70)	461 (3.88)	419 (4.84)	419 (14.29)	414 (18.28)
LIE	338	.	338	550 (6.25)	476 (14.12)	. (.)	. (.)	. (.)
MAC	6546	.	6546	529 (3.65)	515 (8.15)	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	519 (3.76)	463 (4.84)	424 (6.25)	421 (12.86)	390 (10.52)
YUG	68596	0.55	68217	457 (3.38)	406 (3.86)	386 (6.77)	381 (11.76)	374 (9.00)
THA	637076	.	637076	476 (3.79)	416 (2.54)	394 (2.77)	390 (6.59)	399 (14.33)
TUN	150875	0.13	150672	422 (4.13)	380 (4.08)	362 (3.79)	353 (4.40)	342 (6.72)
URY	33775	0.15	33724	473 (3.66)	422 (3.06)	396 (6.12)	370 (13.29)	337 (5.81)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like 3x+5= 17.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	568 (1.94)	507 (2.24)	472 (3.16)	447 (6.16)	418 (11.45)
AUT	85931	1.08	85003	537 (3.07)	477 (3.61)	457 (4.09)	440 (6.14)	435 (15.01)
BEL	111831	1.79	109825	567 (2.07)	519 (2.67)	467 (3.76)	427 (6.94)	383 (11.74)
CAN	330436	9.70	298375	559 (1.67)	500 (1.96)	466 (4.49)	439 (6.25)	475 (6.91)
CZE	121183	4.09	116221	547 (3.03)	487 (3.55)	452 (6.30)	438 (11.20)	396 (18.64)
DNK	51741	0.65	51406	556 (2.92)	511 (2.82)	469 (3.51)	457 (4.69)	431 (14.08)
FIN	57884	0.07	57845	579 (2.19)	528 (2.29)	502 (3.00)	475 (6.54)	525 (9.24)
FRA	734579	0.87	728167	548 (2.54)	498 (3.70)	459 (4.60)	433 (9.29)	425 (13.66)
DEU	884358	5.57	835070	547 (3.00)	496 (4.12)	459 (6.03)	421 (7.89)	402 (9.06)
GRC	105131	0.13	104991	480 (3.99)	420 (4.23)	391 (4.66)	372 (5.55)	352 (11.06)
HUN	107044	0.06	106984	525 (3.08)	455 (2.96)	398 (8.51)	383 (18.42)	419 (25.79)
ISL	3928	0.63	3903	535 (1.71)	481 (2.79)	439 (4.38)	438 (5.80)	. (.)
IRL	54850	1.03	54285	531 (2.51)	487 (2.94)	459 (3.39)	443 (4.81)	382 (15.48)
ITA	481521	0.20	480558	505 (2.94)	451 (3.23)	403 (6.65)	401 (14.20)	357 (16.54)
JPN	1240054	0.10	1238855	575 (3.82)	540 (4.45)	461 (7.13)	423 (8.20)	397 (27.82)
KOR	533504	.	533504	587 (3.34)	550 (2.51)	485 (4.36)	478 (7.02)	. (.)
LUX	4080	0.08	4077	515 (1.77)	471 (2.83)	435 (6.25)	400 (7.44)	393 (12.50)
MEX	1071650	0.37	1067674	421 (5.26)	379 (4.10)	367 (4.79)	349 (6.96)	296 (6.17)
NLD	184943	3.14	179135	565 (3.54)	519 (3.01)	486 (4.72)	453 (6.48)	433 (13.99)
NZL	48638	1.14	48081	573 (2.36)	513 (3.06)	475 (4.23)	444 (8.22)	. (.)
NOR	52816	0.77	52407	532 (3.11)	475 (3.75)	446 (4.34)	419 (4.71)	411 (16.61)
POL	534900	.	534900	517 (2.58)	454 (2.76)	422 (5.71)	422 (11.29)	328 (24.72)
PRT	96857	0.23	96637	511 (2.76)	451 (4.38)	410 (6.34)	396 (8.34)	429 (14.44)
SVK	77067	0.04	77034	512 (2.68)	442 (4.85)	387 (8.05)	361 (29.28)	380 (23.72)
ESP	344372	0.07	344114	507 (2.49)	463 (3.17)	411 (5.20)	389 (7.45)	346 (14.84)
SWE	107104	0.27	106810	549 (2.83)	493 (3.07)	469 (3.18)	441 (6.06)	417 (16.91)
CHE	86491	0.14	86370	551 (3.34)	488 (3.21)	459 (4.89)	432 (5.95)	405 (13.80)
TUR	481279	0.03	481137	453 (6.99)	387 (4.45)	361 (5.16)	346 (5.77)	309 (5.01)
GBR	698579	3.63	673211	557 (3.01)	497 (2.70)	451 (3.67)	430 (6.03)	420 (13.94)
USA	3147089	0.76	3123066	511 (2.82)	432 (3.20)	394 (5.09)	378 (8.48)	380 (15.96)
TOT	.	1.33	.	526 (0.99)	465 (1.39)	426 (1.90)	408 (2.61)	356 (4.27)
AVG	.	1.23	.	534 (0.52)	481 (0.79)	445 (1.13)	423 (1.46)	380 (3.09)
HKG	72484	0.21	72334	569 (3.34)	531 (4.76)	458 (11.60)	411 (13.54)	. (.)
IDN	1971476	0.14	1968659	383 (6.31)	362 (3.02)	356 (3.94)	333 (8.41)	305 (4.86)
LVA	33643	0.23	33565	516 (3.31)	452 (3.64)	409 (5.35)	405 (12.66)	384 (11.92)
LIE	338	.	338	552 (6.02)	487 (10.29)	. (.)	. (.)	. (.)
MAC	6546	.	6546	537 (3.35)	524 (5.55)	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	511 (3.95)	453 (4.77)	404 (7.43)	391 (11.67)	358 (11.44)
YUG	68596	0.55	68217	442 (3.12)	390 (3.44)	375 (5.73)	378 (13.59)	336 (8.24)
THA	637076	.	637076	472 (3.57)	412 (2.75)	390 (3.60)	383 (7.03)	379 (14.23)
TUN	150875	0.13	150672	378 (3.58)	344 (3.09)	323 (2.86)	316 (3.82)	303 (5.34)
URY	33775	0.15	33724	449 (3.95)	392 (3.95)	363 (6.06)	349 (9.35)	293 (6.88)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Finding the actual distance between two places on a map with a 1:10,000 scale.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	(SE)	Confident %	(SE)	Not Very Confident %	(SE)	Not at All Confident %	(SE)	Missing %	(SE)
AUS	235591	0.33	234807	19.17	(0.70)	38.52	(0.62)	34.79	(0.73)	6.40	(0.28)	1.11	(0.14)
AUT	85931	1.08	85003	20.94	(0.84)	32.03	(0.70)	33.48	(0.84)	11.96	(0.64)	1.59	(0.40)
BEL	111831	1.79	109825	26.17	(0.69)	37.52	(0.63)	26.33	(0.66)	6.76	(0.34)	3.22	(0.49)
CAN	330436	9.70	298375	25.49	(0.60)	34.97	(0.57)	30.48	(0.60)	7.31	(0.31)	1.75	(0.14)
CZE	121183	4.09	116221	26.95	(0.81)	33.17	(0.73)	31.53	(0.85)	7.51	(0.44)	0.83	(0.14)
DNK	51741	0.65	51406	20.96	(0.75)	41.18	(0.93)	29.08	(0.76)	6.84	(0.46)	1.93	(0.24)
FIN	57884	0.07	57845	21.62	(0.70)	39.41	(0.80)	30.76	(0.85)	6.17	(0.36)	2.04	(0.19)
FRA	734579	0.87	728167	20.96	(0.85)	27.37	(0.70)	36.83	(0.93)	12.70	(0.60)	2.15	(0.22)
DEU	884358	5.57	835070	22.35	(0.70)	31.22	(0.63)	36.03	(0.74)	8.61	(0.44)	1.78	(0.26)
GRC	105131	0.13	104991	17.92	(0.66)	25.60	(0.75)	35.09	(0.64)	18.85	(0.69)	2.55	(0.27)
HUN	107044	0.06	106984	28.56	(0.88)	35.49	(0.73)	31.84	(0.90)	3.21	(0.29)	0.90	(0.17)
ISL	3928	0.63	3903	27.50	(0.67)	33.83	(0.76)	28.36	(0.81)	9.64	(0.50)	0.68	(.)
IRL	54850	1.03	54285	18.15	(0.72)	32.72	(0.84)	35.97	(0.89)	11.60	(0.61)	1.56	(0.26)
ITA	481521	0.20	480558	12.88	(0.52)	34.64	(0.74)	41.35	(0.80)	9.83	(0.53)	1.29	(0.18)
JPN	1240054	0.10	1238855	17.21	(1.04)	24.46	(0.86)	37.88	(0.95)	19.54	(0.92)	0.92	(0.14)
KOR	533504	.	533504	17.54	(0.80)	30.12	(0.66)	42.58	(0.91)	9.31	(0.48)	0.45	(.)
LUX	4080	0.08	4077	27.34	(0.74)	30.77	(0.66)	30.72	(0.65)	9.21	(0.47)	1.95	(0.21)
MEX	1071650	0.37	1067674	12.25	(0.57)	29.85	(0.70)	42.80	(0.75)	7.89	(0.39)	7.22	(0.65)
NLD	184943	3.20	179033	21.34	(0.86)	41.29	(0.95)	29.08	(1.00)	6.87	(0.50)	1.43	(0.26)
NZL	48638	1.14	48081	17.45	(0.55)	36.07	(0.77)	38.02	(0.81)	7.62	(0.42)	0.85	(0.14)
NOR	52816	0.77	52407	30.51	(0.99)	32.35	(0.75)	25.88	(0.83)	9.46	(0.54)	1.81	(0.35)
POL	534900	.	534900	19.54	(0.85)	33.59	(0.69)	38.59	(0.86)	6.97	(0.44)	1.29	(0.25)
PRT	96857	0.23	96637	16.00	(0.63)	40.69	(0.87)	37.19	(0.80)	4.66	(0.43)	1.46	(0.24)
SVK	77067	0.04	77034	38.13	(1.21)	35.09	(0.73)	21.28	(0.86)	4.03	(0.52)	1.46	(0.31)
ESP	344372	0.07	344114	20.15	(0.68)	34.37	(0.69)	35.66	(0.81)	8.03	(0.46)	1.79	(0.21)
SWE	107104	0.27	106810	22.39	(0.86)	37.24	(0.77)	30.77	(0.96)	8.30	(0.50)	1.29	(0.20)
CHE	86491	0.14	86370	27.65	(1.09)	34.52	(0.93)	29.17	(0.75)	6.76	(0.40)	1.89	(0.19)
TUR	481279	0.03	481137	22.38	(1.51)	31.15	(0.78)	27.66	(1.01)	9.44	(0.57)	9.37	(1.24)
GBR	698579	3.63	673211	16.20	(0.63)	33.21	(0.84)	38.74	(0.82)	10.36	(0.57)	1.49	(0.21)
USA	3147089	0.76	3123066	24.61	(0.97)	36.10	(0.69)	31.09	(0.75)	6.08	(0.36)	2.12	(0.25)
TOT	.	1.33	.	20.45	(0.28)	32.59	(0.22)	35.27	(0.24)	9.24	(0.14)	2.45	(0.10)
AVG	.	1.24	.	22.00	(0.15)	33.95	(0.13)	33.31	(0.14)	8.74	(0.08)	2.01	(0.06)
HKG	72484	0.21	72334	29.23	(1.03)	36.02	(0.75)	28.03	(1.09)	6.41	(0.38)	0.31	(.)
IDN	1971476	0.14	1968659	17.58	(0.88)	56.04	(0.81)	19.91	(0.89)	1.04	(0.16)	5.42	(0.58)
LVA	33643	0.23	33565	17.95	(0.82)	35.50	(0.78)	38.99	(0.98)	6.17	(0.45)	1.39	(0.21)
LIE	338	.	338	28.65	(2.31)	37.32	(2.51)	29.53	(2.33)	3.91	(.)	0.59	(.)
MAC	6546	.	6546	27.21	(1.46)	30.97	(1.37)	33.22	(1.48)	8.34	(1.01)	0.26	(.)
RUS	2153373	0.02	2152991	20.09	(0.75)	35.20	(0.72)	36.09	(0.73)	5.48	(0.36)	3.14	(0.38)
YUG	68596	0.57	68202	16.94	(0.77)	30.01	(0.88)	35.83	(0.93)	8.57	(0.47)	8.65	(0.73)
THA	637076	.	637076	10.32	(0.52)	37.55	(0.89)	43.36	(0.96)	7.54	(0.48)	1.23	(0.17)
TUN	150875	0.13	150672	19.79	(0.82)	25.36	(0.68)	32.92	(0.74)	11.94	(0.55)	10.00	(0.62)
URY	33775	0.15	33724	16.89	(0.70)	31.42	(0.81)	37.18	(0.82)	7.32	(0.48)	7.18	(0.44)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Finding the actual distance between two places on a map with a 1:10,000 scale.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	564 (4.27)	533 (2.70)	507 (2.95)	493 (4.03)	390 (13.39)
AUT	85931	1.08	85003	514 (5.07)	494 (4.79)	492 (3.49)	471 (4.61)	409 (27.40)
BEL	111831	1.79	109825	534 (3.44)	520 (3.08)	505 (3.18)	469 (6.42)	337 (19.71)
CAN	330436	9.70	298375	561 (2.17)	533 (2.13)	517 (1.94)	492 (3.66)	486 (8.48)
CZE	121183	4.09	116221	522 (3.62)	497 (3.03)	482 (3.09)	469 (5.91)	375 (14.62)
DNK	51741	0.65	51406	512 (3.62)	501 (3.28)	479 (3.72)	464 (6.13)	406 (17.42)
FIN	57884	0.07	57845	562 (3.04)	547 (2.12)	533 (2.30)	523 (4.82)	497 (9.64)
FRA	734579	0.87	728167	524 (3.92)	509 (4.05)	490 (3.51)	469 (5.23)	392 (14.16)
DEU	884358	5.57	835070	528 (4.46)	511 (4.31)	491 (3.91)	464 (5.63)	368 (13.28)
GRC	105131	0.13	104991	486 (5.87)	477 (5.51)	477 (4.23)	461 (4.63)	349 (15.16)
HUN	107044	0.06	106984	517 (3.77)	479 (3.29)	461 (3.01)	435 (10.11)	384 (23.67)
ISL	3928	0.63	3903	517 (3.20)	501 (2.65)	472 (2.72)	460 (5.26)	. (.)
IRL	54850	1.03	54285	551 (3.66)	527 (3.30)	502 (3.08)	485 (4.56)	380 (18.58)
ITA	481521	0.20	480558	495 (5.24)	486 (3.42)	470 (3.18)	454 (6.63)	374 (17.81)
JPN	1240054	0.10	1238855	552 (6.16)	534 (4.07)	483 (4.29)	442 (5.86)	363 (27.72)
KOR	533504	.	533504	582 (4.35)	554 (3.11)	510 (3.33)	495 (5.28)	. (.)
LUX	4080	0.08	4077	499 (3.02)	488 (2.68)	471 (2.77)	451 (4.99)	344 (16.02)
MEX	1071650	0.37	1067674	415 (6.13)	400 (4.56)	410 (4.24)	407 (6.79)	305 (6.73)
NLD	184943	3.20	179033	539 (4.96)	521 (2.95)	507 (4.08)	484 (5.80)	470 (14.47)
NZL	48638	1.14	48081	569 (4.75)	530 (3.35)	506 (3.12)	486 (6.20)	408 (19.82)
NOR	52816	0.77	52407	532 (3.52)	506 (3.62)	484 (3.82)	446 (6.22)	395 (23.72)
POL	534900	.	534900	534 (4.07)	501 (3.28)	483 (3.41)	475 (6.06)	351 (19.67)
PRT	96857	0.23	96637	511 (5.30)	481 (4.91)	466 (3.69)	441 (9.07)	431 (14.41)
SVK	77067	0.04	77034	499 (2.77)	466 (3.56)	442 (4.30)	405 (11.00)	338 (21.67)
ESP	344372	0.07	344114	508 (4.03)	490 (3.13)	473 (2.97)	438 (5.34)	338 (12.59)
SWE	107104	0.27	106810	543 (3.70)	520 (2.80)	502 (3.54)	476 (6.12)	415 (21.58)
CHE	86491	0.14	86370	523 (6.85)	501 (3.14)	485 (3.30)	482 (5.84)	384 (15.09)
TUR	481279	0.03	481137	487 (10.73)	448 (5.85)	432 (4.64)	418 (5.23)	356 (5.43)
GBR	698579	3.63	673211	552 (4.54)	523 (3.58)	487 (2.88)	470 (4.66)	398 (16.24)
USA	3147089	0.76	3123066	543 (4.50)	492 (3.21)	478 (3.66)	459 (5.28)	378 (12.88)
TOT	.	1.33	.	530 (1.70)	496 (1.33)	476 (1.29)	455 (1.93)	358 (4.08)
AVG	.	1.24	.	526 (0.81)	503 (0.78)	483 (0.69)	463 (1.08)	374 (3.23)
HKG	72484	0.21	72334	543 (2.86)	519 (3.56)	480 (5.26)	450 (8.13)	. (.)
IDN	1971476	0.14	1968659	395 (5.72)	386 (3.18)	377 (3.89)	348 (12.81)	316 (6.81)
LVA	33643	0.23	33565	522 (5.29)	494 (5.27)	478 (3.63)	477 (7.33)	409 (14.47)
LIE	338	.	338	537 (8.50)	535 (8.21)	504 (8.84)	. (.)	. (.)
MAC	6546	.	6546	518 (4.13)	505 (3.69)	481 (4.35)	474 (8.54)	. (.)
RUS	2153373	0.02	2152991	470 (4.83)	448 (4.42)	434 (4.02)	424 (10.10)	327 (10.90)
YUG	68596	0.57	68202	434 (5.59)	422 (4.55)	413 (3.25)	410 (5.12)	335 (7.78)
THA	637076	.	637076	448 (5.42)	424 (3.52)	411 (2.99)	419 (4.63)	365 (12.52)
TUN	150875	0.13	150672	401 (5.76)	380 (4.19)	373 (3.34)	362 (4.85)	331 (6.94)
URY	33775	0.15	33724	464 (5.62)	442 (5.16)	436 (3.13)	419 (7.58)	333 (8.07)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Finding the actual distance between two places on a map with a 1:10,000 scale.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	583 (3.97)	537 (2.28)	494 (2.48)	463 (4.25)	415 (12.10)
AUT	85931	1.08	85003	547 (4.69)	514 (4.14)	495 (2.97)	463 (3.83)	425 (16.89)
BEL	111831	1.79	109825	566 (3.09)	545 (3.20)	517 (2.74)	471 (5.42)	377 (18.20)
CAN	330436	9.70	298375	583 (2.39)	540 (2.08)	508 (1.84)	477 (2.87)	492 (8.30)
CZE	121183	4.09	116221	567 (3.76)	526 (3.56)	496 (2.97)	471 (5.70)	400 (12.70)
DNK	51741	0.65	51406	559 (4.10)	525 (3.09)	489 (3.45)	455 (5.66)	421 (15.89)
FIN	57884	0.07	57845	590 (3.72)	550 (2.21)	518 (2.11)	490 (5.44)	513 (8.66)
FRA	734579	0.87	728167	555 (4.00)	530 (3.10)	496 (2.93)	464 (3.63)	424 (11.10)
DEU	884358	5.57	835070	554 (4.34)	527 (4.05)	492 (3.66)	446 (4.85)	396 (11.26)
GRC	105131	0.13	104991	478 (5.57)	457 (4.62)	442 (4.10)	417 (4.49)	342 (9.95)
HUN	107044	0.06	106984	544 (4.00)	488 (3.51)	454 (3.01)	415 (8.38)	390 (23.94)
ISL	3928	0.63	3903	557 (2.45)	525 (2.38)	485 (2.66)	459 (4.43)	. (.)
IRL	54850	1.03	54285	552 (3.62)	519 (2.96)	483 (2.75)	454 (3.78)	391 (13.62)
ITA	481521	0.20	480558	518 (4.93)	485 (3.35)	447 (3.11)	419 (6.87)	375 (13.01)
JPN	1240054	0.10	1238855	606 (6.71)	576 (3.92)	514 (3.56)	463 (5.35)	427 (19.30)
KOR	533504	.	533504	616 (4.43)	568 (3.41)	507 (3.21)	480 (4.73)	. (.)
LUX	4080	0.08	4077	530 (2.67)	501 (2.08)	474 (2.43)	442 (3.78)	395 (10.73)
MEX	1071650	0.37	1067674	408 (5.42)	389 (3.92)	392 (4.07)	380 (5.60)	301 (6.79)
NLD	184943	3.20	179033	579 (4.83)	549 (3.05)	525 (4.12)	484 (6.46)	470 (13.36)
NZL	48638	1.14	48081	592 (4.14)	539 (3.05)	496 (2.67)	461 (5.91)	424 (16.57)
NOR	52816	0.77	52407	541 (3.12)	502 (2.99)	465 (2.95)	427 (4.72)	403 (16.08)
POL	534900	.	534900	542 (3.93)	499 (3.01)	467 (2.73)	449 (5.15)	372 (15.07)
PRT	96857	0.23	96637	522 (4.41)	472 (4.30)	444 (3.34)	411 (7.21)	426 (13.41)
SVK	77067	0.04	77034	539 (2.94)	491 (3.39)	461 (3.54)	419 (13.27)	368 (25.46)
ESP	344372	0.07	344114	525 (3.60)	498 (3.19)	468 (2.52)	431 (3.93)	373 (10.88)
SWE	107104	0.27	106810	556 (4.28)	519 (2.82)	485 (3.16)	447 (5.06)	413 (17.80)
CHE	86491	0.14	86370	573 (7.06)	532 (3.16)	495 (3.11)	474 (5.54)	428 (14.00)
TUR	481279	0.03	481137	486 (12.55)	431 (6.52)	406 (5.05)	390 (5.48)	332 (4.71)
GBR	698579	3.63	673211	572 (4.28)	530 (3.25)	480 (2.88)	453 (3.90)	410 (15.11)
USA	3147089	0.76	3123066	541 (4.39)	481 (2.85)	456 (3.07)	434 (4.45)	391 (11.23)
TOT	.	1.33	.	546 (1.70)	500 (1.26)	469 (1.12)	444 (1.70)	365 (3.86)
AVG	.	1.24	.	551 (0.88)	512 (0.77)	478 (0.70)	447 (1.14)	384 (3.14)
HKG	72484	0.21	72334	605 (4.11)	561 (4.11)	503 (5.78)	452 (7.68)	. (.)
IDN	1971476	0.14	1968659	384 (6.47)	365 (3.68)	347 (4.60)	302 (9.69)	291 (5.58)
LVA	33643	0.23	33565	532 (5.28)	491 (5.05)	461 (3.44)	454 (7.59)	416 (13.52)
LIE	338	.	338	576 (9.21)	546 (8.36)	492 (9.90)	. (.)	. (.)
MAC	6546	.	6546	566 (6.01)	536 (4.85)	498 (4.97)	485 (10.19)	. (.)
RUS	2153373	0.02	2152991	507 (4.96)	478 (4.51)	450 (4.27)	437 (9.35)	378 (7.77)
YUG	68596	0.57	68202	475 (6.14)	452 (4.18)	431 (3.24)	420 (5.71)	356 (6.87)
THA	637076	.	637076	462 (5.68)	426 (3.72)	403 (3.02)	399 (4.94)	373 (12.95)
TUN	150875	0.13	150672	397 (5.50)	367 (3.33)	349 (2.37)	335 (3.65)	320 (5.72)
URY	33775	0.15	33724	471 (5.01)	436 (4.15)	415 (3.30)	383 (5.95)	324 (6.61)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Finding the actual distance between two places on a map with a 1:10,000 scale.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	584 (4.34)	537 (2.56)	495 (2.69)	470 (3.86)	413 (12.15)
AUT	85931	1.08	85003	529 (5.01)	498 (4.43)	483 (3.48)	454 (4.70)	404 (20.67)
BEL	111831	1.79	109825	544 (3.30)	522 (3.21)	497 (3.18)	455 (5.60)	354 (16.50)
CAN	330436	9.70	298375	567 (2.58)	527 (2.52)	497 (2.19)	464 (3.92)	471 (9.23)
CZE	121183	4.09	116221	567 (4.34)	532 (3.29)	505 (3.42)	484 (6.69)	410 (14.13)
DNK	51741	0.65	51406	519 (4.39)	487 (3.64)	449 (3.78)	420 (6.22)	361 (17.07)
FIN	57884	0.07	57845	587 (3.54)	554 (2.40)	525 (2.57)	504 (5.85)	519 (11.06)
FRA	734579	0.87	728167	559 (4.42)	531 (4.11)	495 (3.92)	462 (6.26)	406 (16.19)
DEU	884358	5.57	835070	555 (4.80)	524 (4.41)	492 (4.05)	454 (5.61)	386 (13.77)
GRC	105131	0.13	104991	512 (5.70)	494 (5.13)	479 (3.97)	452 (4.72)	388 (10.16)
HUN	107044	0.06	106984	552 (4.37)	501 (3.42)	472 (3.15)	445 (10.06)	401 (25.33)
ISL	3928	0.63	3903	534 (2.92)	504 (2.50)	467 (2.62)	443 (5.41)	. (.)
IRL	54850	1.03	54285	553 (3.95)	519 (3.46)	486 (3.22)	461 (4.46)	402 (15.47)
ITA	481521	0.20	480558	528 (5.20)	505 (3.58)	470 (3.28)	447 (7.90)	399 (16.45)
JPN	1240054	0.10	1238855	614 (7.20)	590 (4.11)	528 (4.04)	481 (5.89)	423 (22.13)
KOR	533504	.	533504	608 (4.84)	566 (3.89)	503 (3.55)	483 (5.94)	. (.)
LUX	4080	0.08	4077	521 (3.33)	491 (2.51)	464 (2.91)	433 (4.98)	358 (14.69)
MEX	1071650	0.37	1067674	426 (5.60)	406 (3.98)	410 (3.69)	403 (6.05)	333 (7.27)
NLD	184943	3.20	179033	564 (5.65)	534 (3.57)	511 (4.25)	472 (6.70)	453 (16.15)
NZL	48638	1.14	48081	586 (4.71)	533 (3.34)	496 (2.91)	469 (6.36)	416 (20.24)
NOR	52816	0.77	52407	529 (3.67)	491 (3.38)	458 (3.96)	417 (5.60)	361 (18.42)
POL	534900	.	534900	550 (4.34)	507 (3.38)	474 (3.37)	459 (7.41)	386 (14.08)
PRT	96857	0.23	96637	518 (5.11)	474 (4.31)	448 (3.81)	420 (9.50)	417 (14.05)
SVK	77067	0.04	77034	535 (3.22)	489 (3.50)	460 (4.05)	406 (20.26)	355 (25.04)
ESP	344372	0.07	344114	530 (4.89)	499 (3.10)	471 (3.12)	431 (5.33)	355 (14.33)
SWE	107104	0.27	106810	548 (4.65)	515 (3.09)	485 (3.44)	449 (6.87)	407 (20.31)
CHE	86491	0.14	86370	556 (8.09)	518 (3.47)	483 (3.69)	467 (6.11)	418 (14.42)
TUR	481279	0.03	481137	491 (10.97)	439 (5.99)	418 (4.89)	399 (5.76)	367 (6.29)
GBR	698579	3.63	673211	583 (4.23)	541 (3.66)	490 (3.24)	464 (4.56)	401 (14.92)
USA	3147089	0.76	3123066	548 (4.73)	489 (3.08)	465 (3.50)	450 (4.86)	398 (15.58)
TOT	.	1.33	.	550 (1.89)	506 (1.29)	476 (1.18)	456 (1.84)	378 (3.99)
AVG	.	1.24	.	547 (0.87)	510 (0.72)	479 (0.68)	453 (1.14)	387 (2.75)
HKG	72484	0.21	72334	585 (3.66)	548 (4.25)	500 (5.73)	462 (7.51)	. (.)
IDN	1971476	0.14	1968659	416 (5.15)	398 (3.20)	384 (3.58)	357 (9.73)	344 (5.61)
LVA	33643	0.23	33565	535 (6.10)	497 (4.61)	469 (3.65)	459 (6.88)	407 (15.31)
LIE	338	.	338	561 (10.41)	534 (8.43)	485 (9.74)	. (.)	. (.)
MAC	6546	.	6546	557 (5.57)	536 (4.68)	499 (5.88)	483 (10.02)	. (.)
RUS	2153373	0.02	2152991	529 (5.06)	497 (4.51)	472 (4.23)	461 (9.20)	391 (10.99)
YUG	68596	0.57	68202	469 (5.71)	447 (4.15)	430 (3.47)	423 (5.67)	378 (8.32)
THA	637076	.	637076	470 (5.59)	436 (3.37)	417 (2.88)	414 (4.62)	395 (12.47)
TUN	150875	0.13	150672	419 (5.81)	391 (3.44)	379 (2.64)	365 (5.01)	342 (6.88)
URY	33775	0.15	33724	476 (6.36)	448 (3.85)	435 (3.08)	420 (6.13)	347 (6.00)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Finding the actual distance between two places on a map with a 1:10,000 scale.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	579 (3.76)	541 (2.37)	504 (2.33)	479 (4.05)	421 (11.83)
AUT	85931	1.08	85003	541 (4.70)	512 (4.27)	500 (2.89)	471 (3.79)	429 (18.06)
BEL	111831	1.79	109825	557 (3.13)	539 (3.20)	515 (2.78)	473 (5.85)	394 (12.15)
CAN	330436	9.70	298375	575 (2.43)	537 (2.06)	510 (1.97)	478 (3.23)	490 (7.74)
CZE	121183	4.09	116221	559 (3.70)	527 (3.34)	500 (3.31)	480 (5.77)	402 (12.56)
DNK	51741	0.65	51406	556 (3.66)	526 (3.06)	495 (3.13)	466 (5.65)	419 (16.44)
FIN	57884	0.07	57845	586 (3.20)	552 (2.44)	526 (2.37)	498 (5.10)	530 (8.11)
FRA	734579	0.87	728167	556 (4.08)	537 (3.73)	507 (3.27)	477 (4.17)	428 (13.18)
DEU	884358	5.57	835070	555 (4.27)	531 (4.16)	504 (3.54)	467 (4.94)	408 (11.78)
GRC	105131	0.13	104991	473 (6.11)	459 (4.62)	449 (4.46)	424 (4.67)	347 (11.06)
HUN	107044	0.06	106984	550 (4.13)	499 (3.78)	469 (3.08)	429 (9.73)	417 (22.43)
ISL	3928	0.63	3903	540 (2.43)	513 (2.23)	480 (2.69)	461 (4.48)	. (.)
IRL	54850	1.03	54285	539 (3.53)	512 (2.79)	482 (2.95)	459 (3.74)	391 (12.70)
ITA	481521	0.20	480558	510 (5.10)	488 (3.48)	456 (3.01)	428 (7.51)	363 (15.69)
JPN	1240054	0.10	1238855	612 (6.32)	587 (4.02)	530 (3.86)	480 (5.76)	417 (28.34)
KOR	533504	.	533504	611 (4.42)	574 (3.21)	521 (3.25)	499 (4.89)	. (.)
LUX	4080	0.08	4077	522 (2.97)	501 (2.33)	479 (2.67)	451 (4.17)	400 (12.26)
MEX	1071650	0.37	1067674	406 (6.42)	386 (4.40)	393 (4.93)	385 (6.68)	293 (7.19)
NLD	184943	3.20	179033	558 (4.72)	529 (3.13)	507 (4.24)	462 (7.09)	448 (16.03)
NZL	48638	1.14	48081	593 (3.92)	545 (3.06)	510 (2.89)	478 (6.10)	431 (17.24)
NOR	52816	0.77	52407	532 (3.34)	497 (3.55)	464 (3.59)	422 (5.17)	403 (19.27)
POL	534900	.	534900	531 (4.02)	494 (3.11)	469 (2.80)	456 (5.16)	344 (21.91)
PRT	96857	0.23	96637	518 (4.57)	476 (4.80)	451 (3.84)	422 (8.63)	432 (14.76)
SVK	77067	0.04	77034	531 (2.94)	485 (3.34)	456 (3.81)	414 (14.93)	378 (25.65)
ESP	344372	0.07	344114	517 (3.83)	494 (3.57)	469 (2.93)	433 (5.33)	360 (12.22)
SWE	107104	0.27	106810	544 (4.00)	516 (2.70)	492 (3.20)	459 (5.45)	423 (17.63)
CHE	86491	0.14	86370	558 (6.51)	526 (3.13)	497 (3.04)	481 (5.26)	415 (15.10)
TUR	481279	0.03	481137	464 (11.01)	416 (5.43)	395 (4.70)	374 (4.93)	314 (4.95)
GBR	698579	3.63	673211	565 (4.12)	530 (3.51)	485 (2.59)	461 (4.63)	421 (16.20)
USA	3147089	0.76	3123066	533 (4.70)	476 (3.08)	451 (3.26)	428 (4.94)	380 (12.80)
TOT	.	1.33	.	540 (1.82)	499 (1.31)	473 (1.24)	451 (1.89)	358 (4.22)
AVG	.	1.24	.	544 (0.86)	510 (0.76)	482 (0.70)	454 (1.17)	381 (3.44)
HKG	72484	0.21	72334	596 (3.31)	558 (3.95)	506 (5.94)	464 (8.15)	. (.)
IDN	1971476	0.14	1968659	380 (5.93)	365 (3.22)	352 (3.81)	316 (12.49)	304 (4.83)
LVA	33643	0.23	33565	526 (5.63)	489 (5.22)	464 (3.51)	458 (8.61)	385 (11.70)
LIE	338	.	338	561 (9.04)	537 (8.62)	498 (8.78)	. (.)	. (.)
MAC	6546	.	6546	562 (5.19)	544 (4.97)	508 (4.14)	493 (9.89)	. (.)
RUS	2153373	0.02	2152991	517 (5.62)	488 (4.96)	463 (4.54)	443 (9.63)	367 (10.66)
YUG	68596	0.57	68202	448 (5.64)	434 (4.02)	418 (3.13)	409 (5.21)	339 (7.75)
THA	637076	.	637076	465 (6.27)	432 (3.35)	413 (3.06)	412 (4.91)	375 (14.64)
TUN	150875	0.13	150672	373 (4.96)	353 (2.68)	341 (2.24)	327 (4.89)	302 (6.05)
URY	33775	0.15	33724	452 (5.68)	422 (4.75)	408 (3.93)	381 (7.22)	303 (7.14)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like $2(x+3)=(x+3)(x-3)$.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident %	Very Confident (SE)	Confident %	Confident (SE)	Not Very Confident %	Not Very Confident (SE)	Not at All Confident %	Not at All Confident (SE)	Missing %	Missing (SE)
AUS	235591	0.33	234807	29.31	(0.80)	37.81	(0.58)	25.53	(0.62)	6.33	(0.29)	1.02	(0.13)
AUT	85931	1.08	85003	44.71	(1.08)	30.44	(0.91)	16.23	(0.56)	7.04	(0.53)	1.58	(0.39)
BEL	111831	1.79	109825	27.42	(0.66)	35.37	(0.64)	25.27	(0.56)	8.62	(0.42)	3.32	(0.49)
CAN	330436	9.70	298375	44.34	(0.62)	34.84	(0.54)	14.31	(0.41)	4.71	(0.23)	1.80	(0.15)
CZE	121183	4.09	116221	41.27	(0.85)	36.53	(0.68)	16.93	(0.59)	4.39	(0.33)	0.89	(0.16)
DNK	51741	0.65	51406	15.98	(0.79)	30.45	(0.87)	34.65	(0.86)	16.81	(0.72)	2.11	(0.25)
FIN	57884	0.07	57845	19.58	(0.68)	34.06	(0.71)	33.45	(0.84)	10.85	(0.47)	2.06	(0.21)
FRA	734579	0.87	728167	36.59	(0.96)	29.64	(0.70)	22.30	(0.73)	9.45	(0.56)	2.03	(0.21)
DEU	884358	5.57	835070	36.97	(0.82)	34.86	(0.66)	20.69	(0.74)	5.95	(0.46)	1.54	(0.26)
GRC	105131	0.13	104991	47.96	(1.34)	23.40	(0.67)	17.24	(0.70)	8.83	(0.51)	2.58	(0.27)
HUN	107044	0.06	106984	49.25	(0.89)	35.18	(0.80)	12.65	(0.61)	2.09	(0.28)	0.83	(0.16)
ISL	3928	0.63	3903	34.59	(0.80)	33.99	(0.74)	21.27	(0.71)	9.55	(0.57)	0.61	(.)
IRL	54850	1.03	54285	31.69	(1.02)	33.20	(0.81)	23.47	(0.70)	10.16	(0.55)	1.48	(0.25)
ITA	481521	0.20	480558	40.30	(1.03)	39.15	(0.74)	14.01	(0.59)	5.70	(0.46)	0.85	(0.17)
JPN	1240054	0.10	1238855	45.45	(1.21)	31.24	(0.77)	14.30	(0.69)	8.18	(0.70)	0.83	(0.15)
KOR	533504	.	533504	33.35	(0.94)	33.36	(0.75)	25.44	(0.90)	7.52	(0.43)	0.33	(.)
LUX	4080	0.08	4077	43.88	(0.80)	32.56	(0.77)	16.21	(0.58)	5.44	(0.39)	1.91	(0.20)
MEX	1071650	0.37	1067674	27.70	(1.01)	34.46	(0.75)	25.74	(0.71)	5.82	(0.37)	6.28	(0.58)
NLD	184943	3.14	179135	16.44	(0.68)	36.94	(0.73)	33.02	(0.97)	12.10	(0.57)	1.50	(0.27)
NZL	48638	1.14	48081	22.75	(0.56)	38.62	(0.86)	29.65	(0.72)	8.24	(0.50)	0.73	(0.13)
NOR	52816	0.77	52407	19.66	(0.89)	26.49	(0.87)	31.87	(1.00)	19.84	(0.80)	2.14	(0.36)
POL	534900	.	534900	43.81	(1.04)	36.81	(0.75)	15.30	(0.70)	2.87	(0.24)	1.21	(0.22)
PRT	96857	0.23	96637	27.81	(0.95)	42.26	(0.87)	21.58	(0.72)	6.89	(0.43)	1.47	(0.27)
SVK	77067	0.04	77034	60.24	(1.04)	28.41	(0.59)	7.56	(0.49)	2.64	(0.51)	1.15	(0.29)
ESP	344372	0.07	344114	42.65	(0.92)	34.92	(0.71)	16.20	(0.69)	4.78	(0.29)	1.46	(0.18)
SWE	107104	0.27	106810	18.83	(0.98)	30.70	(0.86)	33.27	(1.06)	15.77	(0.77)	1.42	(0.18)
CHE	86491	0.14	86370	41.19	(1.32)	32.39	(0.93)	18.16	(0.63)	6.56	(0.36)	1.70	(0.21)
TUR	481279	0.03	481137	36.16	(1.79)	27.39	(0.80)	19.52	(0.83)	8.12	(0.52)	8.81	(1.11)
GBR	698579	3.63	673211	20.75	(0.63)	32.43	(0.71)	33.09	(0.73)	12.24	(0.59)	1.48	(0.23)
USA	3147089	0.76	3123066	47.05	(0.90)	32.41	(0.72)	14.04	(0.57)	4.51	(0.31)	2.00	(0.25)
TOT	.	1.33	.	38.69	(0.33)	33.13	(0.25)	19.28	(0.23)	6.65	(0.13)	2.24	(0.10)
AVG	.	1.23	.	34.93	(0.18)	33.33	(0.13)	21.76	(0.14)	8.07	(0.09)	1.91	(0.06)
HKG	72484	0.21	72334	41.17	(1.14)	33.93	(0.70)	19.05	(0.78)	5.61	(0.44)	0.25	(.)
IDN	1971476	0.14	1968659	12.26	(0.50)	47.35	(0.94)	32.69	(0.88)	2.14	(0.22)	5.56	(0.52)
LVA	33643	0.23	33565	30.03	(1.04)	40.42	(0.77)	24.26	(1.14)	4.07	(0.44)	1.23	(0.21)
LIE	338	.	338	52.01	(2.70)	28.06	(2.17)	12.69	(1.84)	5.73	(.)	1.52	(.)
MAC	6546	.	6546	53.76	(1.59)	31.61	(1.49)	11.85	(1.14)	2.55	(0.47)	0.23	(.)
RUS	2153373	0.02	2152991	40.88	(1.22)	35.77	(0.73)	17.76	(0.76)	2.86	(0.35)	2.73	(0.30)
YUG	68596	0.57	68202	37.09	(1.27)	31.10	(0.77)	19.26	(0.92)	4.73	(0.38)	7.83	(0.72)
THA	637076	.	637076	16.19	(0.73)	38.33	(0.73)	37.65	(0.92)	6.70	(0.45)	1.12	(0.16)
TUN	150875	0.13	150672	28.68	(1.06)	25.60	(0.67)	25.05	(0.78)	12.21	(0.57)	8.45	(0.61)
URY	33775	0.15	33724	32.89	(1.34)	36.46	(0.80)	18.46	(0.83)	5.78	(0.45)	6.42	(0.42)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Solving an equation like 2(x+3)=(x + 3)(x - 3).

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	564 (2.79)	528 (2.42)	495 (3.11)	481 (3.67)	386 (14.57)
AUT	85931	1.08	85003	520 (3.98)	488 (4.23)	458 (4.21)	446 (7.34)	420 (26.92)
BEL	111831	1.79	109825	538 (3.11)	530 (2.65)	496 (3.37)	452 (5.98)	334 (18.65)
CAN	330436	9.70	298375	554 (1.94)	525 (1.83)	499 (3.10)	472 (4.14)	488 (10.32)
CZE	121183	4.09	116221	517 (2.90)	498 (3.40)	458 (4.31)	448 (8.31)	385 (20.60)
DNK	51741	0.65	51406	517 (4.52)	514 (3.94)	480 (3.24)	467 (4.11)	425 (16.90)
FIN	57884	0.07	57845	564 (3.17)	553 (2.19)	531 (2.70)	522 (4.35)	494 (9.39)
FRA	734579	0.87	728167	520 (3.25)	504 (3.39)	479 (4.57)	449 (6.40)	393 (12.72)
DEU	884358	5.57	835070	524 (3.52)	506 (3.72)	482 (4.95)	434 (6.92)	356 (12.46)
GRC	105131	0.13	104991	501 (3.73)	463 (5.00)	447 (5.05)	426 (5.77)	351 (14.90)
HUN	107044	0.06	106984	506 (2.77)	472 (2.75)	431 (5.24)	415 (10.76)	382 (25.45)
ISL	3928	0.63	3903	519 (3.03)	495 (3.11)	464 (3.82)	458 (4.55)	. (.)
IRL	54850	1.03	54285	548 (3.33)	516 (3.20)	492 (3.58)	480 (4.64)	388 (20.58)
ITA	481521	0.20	480558	501 (3.39)	475 (3.28)	435 (5.77)	426 (8.70)	354 (21.97)
JPN	1240054	0.10	1238855	524 (4.05)	507 (4.39)	458 (6.38)	405 (6.72)	355 (28.56)
KOR	533504	.	533504	569 (3.51)	542 (2.76)	493 (4.19)	488 (5.46)	. (.)
LUX	4080	0.08	4077	497 (2.08)	488 (2.87)	457 (3.98)	405 (6.30)	340 (14.08)
MEX	1071650	0.37	1067674	430 (5.86)	401 (4.14)	394 (3.83)	384 (6.45)	302 (6.79)
NLD	184943	3.14	179135	544 (4.96)	524 (3.50)	506 (3.55)	499 (4.99)	469 (13.72)
NZL	48638	1.14	48081	553 (4.28)	525 (3.10)	508 (3.39)	492 (6.29)	433 (21.80)
NOR	52816	0.77	52407	537 (5.16)	518 (4.15)	492 (3.49)	465 (4.16)	411 (18.29)
POL	534900	.	534900	527 (2.77)	489 (3.39)	448 (5.01)	442 (9.49)	367 (20.78)
PRT	96857	0.23	96637	508 (4.00)	483 (3.79)	450 (5.17)	424 (7.46)	420 (18.34)
SVK	77067	0.04	77034	492 (2.31)	452 (4.09)	404 (7.35)	374 (11.65)	332 (23.81)
ESP	344372	0.07	344114	504 (2.97)	482 (3.17)	452 (4.46)	408 (7.39)	312 (13.73)
SWE	107104	0.27	106810	560 (4.59)	526 (3.18)	499 (3.01)	481 (4.34)	419 (19.74)
CHE	86491	0.14	86370	527 (4.00)	498 (3.42)	470 (4.44)	449 (6.45)	364 (15.01)
TUR	481279	0.03	481137	484 (8.33)	439 (5.83)	415 (4.38)	413 (5.84)	354 (5.67)
GBR	698579	3.63	673211	554 (4.26)	521 (3.24)	483 (3.10)	465 (4.21)	397 (13.00)
USA	3147089	0.76	3123066	532 (3.41)	478 (3.04)	452 (3.94)	431 (7.65)	377 (14.73)
TOT	.	1.33	.	521 (1.35)	487 (1.31)	459 (1.26)	438 (2.28)	356 (4.50)
AVG	.	1.23	.	521 (0.74)	499 (0.66)	474 (0.84)	456 (1.19)	375 (3.32)
HKG	72484	0.21	72334	535 (2.85)	509 (4.22)	478 (6.60)	446 (8.33)	. (.)
IDN	1971476	0.14	1968659	385 (6.20)	383 (3.39)	388 (3.46)	385 (9.82)	319 (7.00)
LVA	33643	0.23	33565	523 (4.28)	487 (3.75)	466 (5.26)	452 (9.74)	414 (20.61)
LIE	338	.	338	538 (6.16)	526 (9.43)	482 (14.24)	. (.)	. (.)
MAC	6546	.	6546	508 (2.82)	491 (4.01)	478 (8.04)	454 (15.12)	. (.)
RUS	2153373	0.02	2152991	473 (3.36)	437 (4.28)	410 (4.32)	384 (9.50)	318 (9.66)
YUG	68596	0.57	68202	438 (4.04)	416 (3.41)	395 (4.08)	390 (6.36)	331 (7.97)
THA	637076	.	637076	460 (5.61)	421 (3.01)	406 (2.94)	404 (4.33)	355 (14.72)
TUN	150875	0.13	150672	404 (5.54)	376 (3.68)	364 (3.85)	356 (4.71)	329 (7.42)
URY	33775	0.15	33724	469 (4.46)	436 (3.64)	419 (5.69)	394 (9.68)	327 (8.46)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like $2(x+3)=(x+3)(x-3)$.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	575 (2.82)	526 (2.22)	485 (2.68)	458 (3.50)	410 (13.73)
AUT	85931	1.08	85003	540 (3.38)	498 (3.87)	466 (3.57)	450 (6.43)	430 (17.79)
BEL	111831	1.79	109825	568 (3.08)	553 (2.60)	510 (2.96)	461 (4.77)	376 (18.05)
CAN	330436	9.70	298375	567 (2.01)	526 (1.73)	492 (2.71)	464 (3.55)	495 (9.07)
CZE	121183	4.09	116221	550 (3.42)	523 (3.78)	475 (4.45)	459 (7.08)	409 (17.38)
DNK	51741	0.65	51406	559 (4.94)	545 (3.18)	494 (3.07)	470 (3.45)	447 (16.57)
FIN	57884	0.07	57845	589 (3.18)	558 (2.26)	522 (2.34)	499 (4.08)	513 (8.49)
FRA	734579	0.87	728167	542 (3.23)	517 (2.97)	488 (3.85)	454 (5.17)	429 (10.97)
DEU	884358	5.57	835070	540 (3.73)	515 (3.49)	486 (4.68)	429 (5.52)	384 (10.22)
GRC	105131	0.13	104991	479 (3.62)	437 (4.36)	409 (4.35)	384 (4.76)	341 (9.42)
HUN	107044	0.06	106984	523 (3.22)	473 (3.03)	428 (5.13)	407 (10.72)	396 (25.46)
ISL	3928	0.63	3903	553 (2.46)	517 (2.63)	479 (3.22)	458 (4.32)	. (.)
IRL	54850	1.03	54285	542 (3.13)	502 (3.09)	478 (3.02)	456 (4.23)	394 (15.87)
ITA	481521	0.20	480558	495 (3.31)	463 (3.00)	422 (4.54)	401 (9.77)	360 (17.69)
JPN	1240054	0.10	1238855	567 (4.56)	540 (3.67)	487 (5.17)	427 (7.30)	425 (20.79)
KOR	533504	.	533504	593 (3.73)	550 (3.13)	487 (3.76)	473 (5.03)	. (.)
LUX	4080	0.08	4077	514 (1.73)	498 (2.32)	463 (3.67)	422 (4.84)	387 (10.13)
MEX	1071650	0.37	1067674	421 (4.80)	386 (3.53)	374 (3.39)	361 (5.01)	296 (7.27)
NLD	184943	3.14	179135	587 (4.46)	554 (3.82)	525 (3.39)	504 (5.22)	474 (12.65)
NZL	48638	1.14	48081	571 (4.05)	529 (2.73)	501 (2.82)	471 (5.35)	443 (20.01)
NOR	52816	0.77	52407	544 (4.11)	516 (3.93)	481 (3.14)	450 (2.86)	418 (14.08)
POL	534900	.	534900	523 (2.52)	482 (3.08)	438 (4.17)	428 (7.09)	380 (14.01)
PRT	96857	0.23	96637	507 (3.07)	470 (3.77)	430 (4.22)	399 (7.02)	418 (16.10)
SVK	77067	0.04	77034	522 (2.66)	479 (3.49)	433 (6.98)	396 (15.29)	371 (26.03)
ESP	344372	0.07	344114	510 (2.65)	486 (2.77)	452 (3.57)	414 (4.84)	355 (11.25)
SWE	107104	0.27	106810	569 (4.35)	528 (2.99)	485 (2.68)	461 (3.23)	419 (16.27)
CHE	86491	0.14	86370	565 (4.57)	522 (3.04)	485 (3.48)	452 (5.59)	413 (14.32)
TUR	481279	0.03	481137	480 (9.93)	418 (6.34)	385 (4.16)	381 (5.12)	331 (4.36)
GBR	698579	3.63	673211	568 (3.87)	525 (3.10)	478 (3.14)	452 (3.80)	415 (14.83)
USA	3147089	0.76	3123066	522 (3.49)	463 (2.61)	432 (3.42)	416 (6.60)	392 (12.35)
TOT	.	1.33	.	528 (1.33)	487 (1.10)	453 (1.23)	430 (2.06)	365 (4.29)
AVG	.	1.23	.	535 (0.73)	504 (0.62)	472 (0.82)	446 (1.22)	386 (3.19)
HKG	72484	0.21	72334	593 (3.70)	545 (5.04)	499 (6.53)	455 (8.25)	. (.)
IDN	1971476	0.14	1968659	372 (7.55)	362 (3.90)	365 (4.27)	356 (9.25)	293 (6.15)
LVA	33643	0.23	33565	523 (4.61)	479 (3.18)	455 (4.37)	430 (7.04)	413 (12.55)
LIE	338	.	338	561 (6.56)	524 (10.66)	479 (13.37)	. (.)	. (.)
MAC	6546	.	6546	546 (4.13)	514 (5.52)	494 (8.23)	462 (18.30)	. (.)
RUS	2153373	0.02	2152991	502 (4.02)	461 (4.23)	432 (4.91)	405 (8.76)	366 (8.69)
YUG	68596	0.57	68202	469 (4.19)	439 (3.55)	416 (3.78)	397 (6.00)	352 (7.09)
THA	637076	.	637076	467 (5.76)	421 (3.44)	398 (3.05)	390 (5.13)	367 (13.94)
TUN	150875	0.13	150672	399 (4.81)	359 (2.83)	340 (3.13)	329 (3.83)	321 (6.29)
URY	33775	0.15	33724	464 (4.25)	426 (3.28)	395 (4.58)	370 (7.28)	314 (5.32)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Solving an equation like 2(x+3)=(x + 3)(x - 3).

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	575 (2.78)	527 (2.43)	487 (2.75)	463 (3.67)	411 (13.34)
AUT	85931	1.08	85003	523 (3.51)	486 (4.12)	453 (4.02)	439 (6.73)	407 (20.77)
BEL	111831	1.79	109825	544 (3.12)	531 (2.70)	492 (3.11)	447 (5.21)	352 (15.80)
CAN	330436	9.70	298375	552 (2.12)	514 (2.27)	483 (3.49)	451 (4.66)	475 (10.71)
CZE	121183	4.09	116221	552 (3.27)	530 (3.83)	488 (5.08)	475 (8.13)	416 (20.34)
DNK	51741	0.65	51406	516 (5.21)	504 (4.02)	458 (3.71)	433 (4.70)	391 (17.98)
FIN	57884	0.07	57845	585 (3.46)	561 (2.64)	529 (2.72)	508 (4.41)	517 (10.87)
FRA	734579	0.87	728167	545 (3.98)	518 (3.92)	488 (4.49)	450 (6.64)	406 (13.98)
DEU	884358	5.57	835070	538 (3.64)	517 (3.95)	488 (5.29)	431 (6.11)	373 (13.48)
GRC	105131	0.13	104991	513 (3.77)	472 (4.40)	449 (4.15)	424 (6.08)	386 (9.81)
HUN	107044	0.06	106984	533 (3.46)	490 (2.90)	447 (4.71)	428 (11.14)	404 (27.73)
ISL	3928	0.63	3903	529 (2.66)	496 (3.01)	463 (3.79)	445 (4.96)	. (.)
IRL	54850	1.03	54285	542 (3.46)	504 (3.53)	480 (3.90)	464 (4.57)	405 (18.04)
ITA	481521	0.20	480558	514 (3.43)	485 (3.13)	441 (6.05)	432 (11.19)	377 (21.99)
JPN	1240054	0.10	1238855	578 (4.73)	554 (4.24)	503 (5.77)	445 (7.71)	422 (23.90)
KOR	533504	.	533504	585 (4.07)	548 (3.51)	484 (4.57)	478 (5.93)	. (.)
LUX	4080	0.08	4077	505 (2.22)	489 (2.55)	452 (4.54)	404 (6.55)	357 (14.02)
MEX	1071650	0.37	1067674	434 (4.78)	406 (3.44)	396 (3.43)	383 (3.97)	329 (7.48)
NLD	184943	3.14	179135	570 (5.76)	539 (4.17)	512 (3.79)	493 (6.03)	456 (14.39)
NZL	48638	1.14	48081	562 (4.46)	524 (2.93)	503 (3.33)	477 (6.18)	436 (21.50)
NOR	52816	0.77	52407	532 (5.80)	504 (4.57)	473 (3.33)	442 (3.73)	378 (15.25)
POL	534900	.	534900	532 (2.93)	488 (3.42)	445 (5.03)	427 (9.84)	388 (15.65)
PRT	96857	0.23	96637	502 (3.47)	472 (3.59)	437 (4.83)	414 (7.31)	406 (15.01)
SVK	77067	0.04	77034	519 (2.72)	477 (4.02)	436 (7.16)	375 (25.61)	356 (26.08)
ESP	344372	0.07	344114	514 (3.27)	487 (3.36)	452 (4.33)	411 (5.50)	333 (16.40)
SWE	107104	0.27	106810	562 (4.92)	523 (3.69)	485 (3.30)	461 (4.16)	410 (18.40)
CHE	86491	0.14	86370	548 (5.09)	509 (3.92)	475 (4.67)	445 (7.54)	405 (14.70)
TUR	481279	0.03	481137	482 (9.12)	427 (5.56)	401 (4.17)	396 (5.97)	368 (6.01)
GBR	698579	3.63	673211	577 (3.99)	535 (3.49)	489 (3.42)	466 (4.49)	405 (13.67)
USA	3147089	0.76	3123066	529 (3.47)	473 (3.03)	444 (3.92)	433 (6.63)	395 (15.69)
TOT	.	1.33	.	533 (1.36)	494 (1.23)	461 (1.21)	440 (2.01)	376 (4.25)
AVG	.	1.23	.	534 (0.74)	504 (0.70)	472 (0.77)	447 (1.30)	388 (2.77)
HKG	72484	0.21	72334	574 (3.47)	536 (4.83)	497 (6.67)	462 (8.31)	. (.)
IDN	1971476	0.14	1968659	409 (6.12)	396 (3.21)	397 (3.51)	394 (7.73)	347 (5.30)
LVA	33643	0.23	33565	526 (4.98)	487 (3.83)	461 (4.60)	439 (9.20)	407 (16.66)
LIE	338	.	338	547 (7.69)	516 (11.59)	472 (14.34)	. (.)	. (.)
MAC	6546	.	6546	541 (4.27)	514 (6.85)	498 (10.47)	457 (17.54)	. (.)
RUS	2153373	0.02	2152991	521 (4.14)	483 (4.42)	455 (4.93)	427 (8.88)	387 (12.74)
YUG	68596	0.57	68202	464 (4.23)	439 (3.49)	416 (4.45)	400 (8.03)	375 (8.76)
THA	637076	.	637076	478 (5.29)	432 (3.07)	411 (2.74)	401 (4.29)	387 (14.09)
TUN	150875	0.13	150672	419 (5.22)	385 (2.91)	372 (4.12)	360 (3.85)	339 (7.08)
URY	33775	0.15	33724	474 (3.92)	440 (3.38)	418 (5.26)	401 (8.28)	338 (5.66)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?

Solving an equation like $2(x+3)=(x + 3)(x - 3)$.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	573 (2.69)	533 (2.11)	495 (2.68)	472 (3.49)	421 (13.54)
AUT	85931	1.08	85003	537 (3.42)	501 (3.81)	469 (3.33)	455 (6.42)	435 (18.44)
BEL	111831	1.79	109825	561 (3.07)	547 (2.67)	507 (3.05)	462 (5.09)	391 (11.51)
CAN	330436	9.70	298375	563 (1.93)	524 (1.89)	493 (2.86)	464 (3.88)	495 (8.44)
CZE	121183	4.09	116221	547 (3.05)	523 (3.92)	480 (4.61)	470 (7.57)	416 (20.40)
DNK	51741	0.65	51406	555 (4.53)	545 (3.01)	499 (2.95)	479 (3.30)	443 (16.10)
FIN	57884	0.07	57845	588 (2.98)	560 (2.36)	527 (2.47)	506 (4.18)	529 (8.24)
FRA	734579	0.87	728167	548 (3.22)	526 (3.49)	499 (4.03)	463 (5.56)	430 (12.17)
DEU	884358	5.57	835070	545 (3.59)	523 (3.52)	496 (4.67)	442 (6.10)	398 (10.98)
GRC	105131	0.13	104991	481 (3.86)	441 (4.83)	414 (4.47)	388 (5.17)	347 (10.60)
HUN	107044	0.06	106984	532 (3.27)	487 (2.83)	439 (5.27)	415 (11.92)	419 (24.37)
ISL	3928	0.63	3903	540 (2.47)	506 (2.53)	471 (3.37)	457 (4.23)	. (.)
IRL	54850	1.03	54285	532 (3.15)	499 (3.02)	476 (2.93)	456 (4.19)	393 (14.62)
ITA	481521	0.20	480558	500 (3.29)	468 (3.32)	423 (5.44)	403 (10.57)	348 (20.49)
JPN	1240054	0.10	1238855	579 (4.56)	553 (3.97)	502 (6.02)	444 (8.21)	411 (29.35)
KOR	533504	.	533504	592 (3.59)	558 (2.86)	504 (3.92)	494 (6.17)	. (.)
LUX	4080	0.08	4077	513 (1.99)	498 (2.59)	467 (3.60)	423 (5.00)	398 (11.82)
MEX	1071650	0.37	1067674	419 (5.60)	385 (4.12)	376 (4.29)	359 (5.81)	288 (7.46)
NLD	184943	3.14	179135	564 (4.65)	534 (3.74)	507 (3.81)	487 (5.30)	449 (14.13)
NZL	48638	1.14	48081	574 (4.14)	538 (2.68)	514 (3.04)	486 (5.72)	456 (19.06)
NOR	52816	0.77	52407	536 (4.98)	512 (4.29)	478 (3.18)	445 (3.33)	416 (15.45)
POL	534900	.	534900	516 (2.77)	480 (3.28)	440 (4.28)	428 (8.80)	350 (21.59)
PRT	96857	0.23	96637	508 (3.46)	475 (4.17)	436 (5.06)	404 (7.66)	426 (17.26)
SVK	77067	0.04	77034	516 (2.55)	473 (3.72)	424 (8.04)	387 (17.22)	378 (27.90)
ESP	344372	0.07	344114	506 (2.88)	484 (3.06)	451 (4.34)	410 (7.41)	338 (14.57)
SWE	107104	0.27	106810	559 (4.31)	524 (3.03)	490 (2.77)	469 (3.40)	430 (15.08)
CHE	86491	0.14	86370	556 (4.13)	518 (2.81)	484 (3.72)	455 (5.21)	398 (14.99)
TUR	481279	0.03	481137	459 (8.54)	404 (5.56)	376 (4.48)	371 (5.30)	313 (5.06)
GBR	698579	3.63	673211	565 (3.94)	526 (2.91)	482 (3.21)	457 (3.90)	426 (15.17)
USA	3147089	0.76	3123066	517 (3.58)	458 (2.78)	428 (3.64)	406 (6.94)	380 (14.25)
TOT	.	1.33	.	527 (1.33)	488 (1.19)	456 (1.33)	433 (2.09)	357 (4.55)
AVG	.	1.23	.	532 (0.72)	504 (0.66)	474 (0.85)	450 (1.26)	383 (3.24)
HKG	72484	0.21	72334	586 (3.00)	542 (4.87)	502 (6.70)	465 (8.50)	. (.)
IDN	1971476	0.14	1968659	371 (6.34)	362 (3.22)	366 (3.74)	355 (10.01)	308 (5.16)
LVA	33643	0.23	33565	521 (4.63)	480 (3.54)	453 (4.99)	430 (8.50)	392 (14.50)
LIE	338	.	338	549 (6.64)	523 (9.85)	482 (12.82)	. (.)	. (.)
MAC	6546	.	6546	547 (3.57)	522 (4.43)	506 (8.46)	472 (14.46)	. (.)
RUS	2153373	0.02	2152991	514 (4.15)	472 (4.85)	440 (5.36)	404 (9.13)	356 (12.21)
YUG	68596	0.57	68202	448 (3.76)	425 (3.27)	403 (3.90)	392 (6.75)	336 (8.20)
THA	637076	.	637076	472 (5.37)	429 (3.08)	407 (3.31)	400 (5.27)	368 (15.77)
TUN	150875	0.13	150672	378 (4.26)	347 (2.73)	330 (2.96)	323 (4.19)	301 (5.88)
URY	33775	0.15	33724	450 (4.84)	415 (3.98)	386 (5.39)	362 (7.71)	296 (6.08)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating the petrol consumption rate of a car.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident % (SE)	Confident % (SE)	Not Very Confident % (SE)	Not at All Confident % (SE)	Missing % (SE)
AUS	235591	0.33	234807	16.93 (0.50)	42.75 (0.68)	33.74 (0.64)	5.57 (0.26)	1.00 (0.14)
AUT	85931	1.08	85003	22.57 (0.73)	33.52 (0.74)	30.10 (0.76)	12.33 (0.63)	1.48 (0.38)
BEL	111831	1.79	109825	16.80 (0.50)	35.74 (0.63)	35.64 (0.62)	8.69 (0.41)	3.14 (0.49)
CAN	330436	9.70	298375	20.25 (0.52)	37.62 (0.45)	32.41 (0.48)	7.59 (0.29)	2.13 (0.15)
CZE	121183	4.09	116221	19.00 (0.76)	35.32 (0.78)	36.68 (0.75)	8.28 (0.53)	0.72 (0.12)
DNK	51741	0.65	51406	15.60 (0.62)	44.38 (0.83)	31.75 (0.80)	6.03 (0.42)	2.24 (0.25)
FIN	57884	0.07	57845	12.48 (0.53)	36.42 (0.65)	39.53 (0.70)	9.56 (0.45)	2.01 (0.20)
FRA	734579	0.87	728167	20.89 (0.79)	35.94 (0.73)	33.92 (0.78)	7.11 (0.52)	2.15 (0.23)
DEU	884358	5.57	835070	21.59 (0.73)	35.98 (0.82)	32.77 (0.80)	8.07 (0.44)	1.59 (0.25)
GRC	105131	0.13	104991	14.28 (0.56)	27.77 (0.74)	34.55 (0.79)	20.84 (0.70)	2.56 (0.29)
HUN	107044	0.06	106984	22.30 (0.75)	34.73 (0.72)	37.15 (0.79)	5.10 (0.35)	0.72 (0.16)
ISL	3928	0.63	3903	15.52 (0.57)	37.88 (0.88)	35.83 (0.91)	10.09 (0.58)	0.68 (.)
IRL	54850	1.03	54285	14.56 (0.66)	36.42 (0.78)	37.34 (0.80)	10.38 (0.49)	1.29 (0.25)
ITA	481521	0.20	480558	13.58 (0.53)	35.81 (0.73)	39.06 (0.71)	10.71 (0.54)	0.85 (0.15)
JPN	1240054	0.10	1238855	6.07 (0.75)	16.60 (0.79)	49.07 (0.88)	27.80 (1.00)	0.46 (.)
KOR	533504	.	533504	5.19 (0.45)	17.33 (0.70)	60.16 (0.88)	17.02 (0.57)	0.31 (.)
LUX	4080	0.08	4077	23.13 (0.77)	32.39 (0.77)	32.47 (0.76)	10.27 (0.44)	1.73 (0.19)
MEX	1071650	0.37	1067674	19.71 (0.69)	41.90 (0.81)	26.36 (0.60)	4.94 (0.32)	7.08 (0.65)
NLD	184943	3.16	179092	17.35 (0.73)	44.95 (0.95)	29.20 (0.93)	7.25 (0.59)	1.25 (0.22)
NZL	48638	1.18	48063	13.85 (0.57)	39.70 (0.69)	38.23 (0.66)	7.52 (0.48)	0.70 (.)
NOR	52816	0.77	52407	21.05 (0.68)	38.20 (0.84)	30.37 (0.94)	8.32 (0.46)	2.06 (0.37)
POL	534900	.	534900	14.31 (0.61)	36.76 (0.74)	40.19 (0.96)	7.49 (0.47)	1.25 (0.21)
PRT	96857	0.23	96637	15.79 (0.62)	50.98 (0.84)	28.08 (0.88)	3.58 (0.32)	1.57 (0.25)
SVK	77067	0.04	77034	19.50 (0.67)	36.09 (0.84)	35.26 (0.87)	7.77 (0.53)	1.39 (0.31)
ESP	344372	0.07	344114	14.26 (0.61)	36.87 (0.72)	39.10 (0.83)	8.22 (0.48)	1.55 (0.21)
SWE	107104	0.27	106810	18.64 (0.73)	43.15 (0.77)	30.07 (0.83)	6.86 (0.41)	1.28 (0.19)
CHE	86491	0.14	86370	25.75 (0.84)	39.07 (0.65)	27.37 (0.62)	5.86 (0.33)	1.95 (0.21)
TUR	481279	0.03	481137	17.37 (1.15)	32.71 (1.04)	30.16 (1.10)	11.25 (0.57)	8.50 (1.07)
GBR	698579	3.63	673211	12.13 (0.51)	37.75 (0.74)	39.48 (0.82)	9.22 (0.48)	1.43 (0.22)
USA	3147089	0.76	3123066	30.55 (0.89)	42.92 (0.75)	21.06 (0.66)	3.62 (0.29)	1.85 (0.25)
TOT	.	1.33	.	19.31 (0.30)	35.97 (0.26)	33.19 (0.23)	9.29 (0.14)	2.24 (0.10)
AVG	.	1.24	.	17.35 (0.14)	36.57 (0.15)	34.92 (0.15)	9.26 (0.09)	1.90 (0.06)
HKG	72484	0.21	72334	11.25 (0.55)	33.32 (0.71)	44.56 (0.87)	10.60 (0.50)	0.26 (.)
IDN	1971476	0.14	1968659	6.91 (0.48)	39.56 (0.92)	43.22 (1.03)	4.04 (0.32)	6.27 (0.60)
LVA	33643	0.23	33565	14.26 (0.70)	37.76 (0.81)	40.25 (1.04)	6.62 (0.52)	1.11 (0.19)
LIE	338	.	338	28.96 (2.59)	43.06 (2.69)	22.26 (2.24)	4.51 (.)	1.20 (.)
MAC	6546	.	6546	8.07 (0.94)	25.80 (1.23)	49.89 (1.61)	16.05 (1.13)	0.18 (.)
RUS	2153373	0.02	2152991	19.31 (0.56)	42.24 (0.84)	31.70 (0.70)	4.21 (0.31)	2.54 (0.32)
YUG	68596	0.57	68202	21.50 (0.85)	32.18 (0.77)	31.14 (0.98)	7.68 (0.44)	7.50 (0.67)
THA	637076	.	637076	7.31 (0.46)	35.60 (0.84)	45.85 (0.98)	10.23 (0.56)	1.00 (0.15)
TUN	150875	0.13	150672	24.19 (0.83)	30.14 (0.66)	26.21 (0.68)	11.84 (0.54)	7.63 (0.61)
URY	33775	0.15	33724	17.22 (0.61)	37.82 (0.66)	31.29 (0.72)	7.03 (0.39)	6.64 (0.44)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating the petrol consumption rate of a car.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	548 (3.95)	528 (2.25)	519 (2.90)	506 (5.24)	386 (13.42)
AUT	85931	1.08	85003	487 (4.42)	499 (4.78)	497 (4.62)	487 (4.92)	430 (24.60)
BEL	111831	1.79	109825	511 (4.93)	518 (3.05)	523 (2.56)	491 (5.39)	335 (19.72)
CAN	330436	9.70	298375	552 (2.95)	534 (1.71)	525 (1.93)	503 (3.59)	486 (8.81)
CZE	121183	4.09	116221	506 (4.09)	501 (3.47)	491 (3.10)	485 (5.22)	357 (16.05)
DNK	51741	0.65	51406	503 (4.63)	500 (3.06)	488 (3.20)	473 (6.81)	411 (17.92)
FIN	57884	0.07	57845	542 (3.84)	546 (2.25)	545 (2.36)	540 (3.52)	496 (8.90)
FRA	734579	0.87	728167	505 (3.94)	504 (3.62)	498 (3.48)	468 (6.42)	401 (15.11)
DEU	884358	5.57	835070	505 (5.81)	507 (3.99)	504 (3.79)	476 (6.67)	374 (14.48)
GRC	105131	0.13	104991	461 (6.54)	475 (5.28)	481 (4.27)	478 (4.23)	352 (16.61)
HUN	107044	0.06	106984	496 (4.27)	480 (3.26)	478 (2.61)	472 (7.29)	393 (26.62)
ISL	3928	0.63	3903	498 (4.99)	501 (2.74)	488 (2.73)	473 (5.52)	. (.)
IRL	54850	1.03	54285	528 (4.59)	519 (3.27)	517 (2.94)	498 (5.42)	362 (18.53)
ITA	481521	0.20	480558	466 (6.71)	479 (3.39)	480 (3.19)	472 (5.43)	353 (20.21)
JPN	1240054	0.10	1238855	547 (12.31)	534 (4.78)	501 (4.33)	466 (5.24)	. (.)
KOR	533504	.	533504	590 (7.07)	560 (4.85)	527 (2.92)	519 (4.20)	. (.)
LUX	4080	0.08	4077	477 (3.05)	486 (2.86)	486 (2.94)	468 (4.96)	336 (14.00)
MEX	1071650	0.37	1067674	418 (5.95)	405 (3.94)	409 (4.50)	377 (8.15)	303 (7.17)
NLD	184943	3.16	179092	531 (4.55)	517 (3.19)	516 (3.19)	498 (6.50)	475 (16.20)
NZL	48638	1.18	48063	552 (4.48)	525 (3.25)	516 (2.94)	505 (6.94)	. (.)
NOR	52816	0.77	52407	514 (4.70)	512 (3.14)	495 (4.12)	455 (6.07)	405 (21.04)
POL	534900	.	534900	518 (4.44)	497 (3.85)	494 (3.10)	491 (6.17)	358 (18.34)
PRT	96857	0.23	96637	492 (4.67)	478 (4.55)	476 (4.12)	450 (10.36)	432 (14.40)
SVK	77067	0.04	77034	493 (4.81)	477 (3.63)	462 (3.53)	430 (7.29)	345 (21.67)
ESP	344372	0.07	344114	488 (4.78)	485 (3.27)	486 (3.00)	451 (6.02)	317 (12.94)
SWE	107104	0.27	106810	537 (4.52)	521 (2.75)	504 (2.96)	476 (8.16)	409 (19.86)
CHE	86491	0.14	86370	503 (5.11)	502 (3.60)	500 (3.45)	488 (5.60)	398 (14.72)
TUR	481279	0.03	481137	471 (12.86)	449 (6.63)	444 (5.27)	427 (6.30)	357 (5.51)
GBR	698579	3.63	673211	531 (5.75)	512 (3.44)	503 (2.90)	486 (4.95)	398 (18.11)
USA	3147089	0.76	3123066	527 (4.44)	491 (2.83)	480 (4.08)	444 (8.57)	361 (13.28)
TOT	.	1.33	.	509 (2.14)	490 (1.30)	490 (1.09)	467 (2.22)	351 (4.45)
AVG	.	1.24	.	506 (1.05)	500 (0.77)	496 (0.66)	478 (1.20)	374 (3.35)
HKG	72484	0.21	72334	537 (4.61)	524 (3.51)	503 (4.44)	469 (6.78)	. (.)
IDN	1971476	0.14	1968659	360 (6.87)	381 (3.25)	395 (3.72)	375 (6.96)	321 (6.37)
LVA	33643	0.23	33565	502 (6.26)	487 (4.63)	493 (4.13)	490 (7.59)	411 (21.97)
LIE	338	.	338	530 (8.77)	525 (6.71)	525 (11.17)	. (.)	. (.)
MAC	6546	.	6546	519 (7.97)	512 (4.78)	492 (3.24)	482 (4.60)	. (.)
RUS	2153373	0.02	2152991	454 (5.14)	444 (4.18)	443 (3.79)	440 (9.76)	315 (9.58)
YUG	68596	0.57	68202	415 (4.85)	418 (4.24)	424 (3.77)	413 (4.60)	332 (8.19)
THA	637076	.	637076	423 (6.61)	416 (3.83)	421 (3.01)	431 (4.74)	356 (15.07)
TUN	150875	0.13	150672	382 (4.69)	386 (3.72)	374 (3.54)	358 (4.99)	334 (7.84)
URY	33775	0.15	33724	447 (6.19)	441 (4.42)	444 (3.97)	423 (7.03)	327 (8.02)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating the petrol consumption rate of a car.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	566 (3.97)	531 (2.20)	506 (2.47)	483 (4.85)	413 (13.21)
AUT	85931	1.08	85003	522 (4.46)	518 (4.26)	500 (3.92)	476 (4.59)	440 (14.19)
BEL	111831	1.79	109825	549 (4.30)	544 (2.86)	536 (2.65)	500 (4.92)	376 (18.75)
CAN	330436	9.70	298375	575 (2.91)	543 (1.78)	517 (1.72)	488 (3.43)	496 (8.02)
CZE	121183	4.09	116221	558 (4.47)	533 (3.86)	504 (3.36)	485 (4.62)	391 (18.64)
DNK	51741	0.65	51406	551 (5.07)	525 (3.09)	497 (3.08)	467 (5.88)	429 (16.13)
FIN	57884	0.07	57845	582 (4.77)	557 (2.21)	531 (2.31)	510 (3.80)	514 (8.90)
FRA	734579	0.87	728167	535 (4.05)	522 (3.35)	502 (2.87)	467 (5.98)	433 (12.04)
DEU	884358	5.57	835070	531 (5.88)	522 (3.91)	503 (3.43)	464 (6.16)	400 (10.97)
GRC	105131	0.13	104991	454 (6.62)	459 (4.64)	447 (4.10)	431 (3.99)	340 (10.99)
HUN	107044	0.06	106984	526 (4.38)	490 (3.78)	474 (3.05)	459 (7.03)	417 (27.63)
ISL	3928	0.63	3903	547 (4.19)	528 (2.78)	501 (2.38)	477 (4.92)	. (.)
IRL	54850	1.03	54285	532 (4.51)	512 (3.08)	496 (2.75)	470 (4.78)	378 (13.37)
ITA	481521	0.20	480558	489 (5.82)	475 (3.58)	459 (3.53)	439 (4.70)	363 (14.35)
JPN	1240054	0.10	1238855	609 (13.28)	583 (4.74)	536 (3.78)	489 (4.64)	. (.)
KOR	533504	.	533504	631 (7.62)	585 (5.45)	531 (2.92)	511 (3.93)	. (.)
LUX	4080	0.08	4077	508 (2.73)	504 (2.45)	488 (2.21)	458 (4.42)	392 (12.08)
MEX	1071650	0.37	1067674	408 (4.91)	391 (3.64)	388 (4.07)	358 (8.58)	297 (7.04)
NLD	184943	3.16	179092	575 (4.21)	547 (3.44)	531 (3.38)	498 (6.25)	474 (13.82)
NZL	48638	1.18	48063	577 (4.03)	534 (2.76)	506 (2.88)	481 (6.68)	. (.)
NOR	52816	0.77	52407	528 (4.18)	508 (2.74)	478 (3.17)	438 (4.58)	413 (14.31)
POL	534900	.	534900	534 (4.64)	498 (3.13)	477 (2.53)	461 (4.88)	378 (12.45)
PRT	96857	0.23	96637	503 (4.19)	468 (4.04)	451 (3.52)	419 (8.00)	427 (12.89)
SVK	77067	0.04	77034	542 (4.17)	511 (3.68)	479 (3.39)	438 (6.82)	379 (23.45)
ESP	344372	0.07	344114	509 (4.32)	493 (3.41)	482 (2.65)	446 (4.73)	362 (11.47)
SWE	107104	0.27	106810	555 (5.14)	521 (2.71)	484 (2.72)	446 (6.17)	403 (16.29)
CHE	86491	0.14	86370	551 (6.03)	530 (3.73)	512 (3.22)	491 (7.18)	436 (13.10)
TUR	481279	0.03	481137	478 (15.61)	436 (7.20)	415 (5.33)	393 (5.22)	333 (4.58)
GBR	698579	3.63	673211	554 (4.95)	518 (3.18)	495 (2.87)	471 (4.79)	415 (16.65)
USA	3147089	0.76	3123066	524 (4.44)	477 (2.45)	457 (3.82)	421 (7.36)	381 (11.56)
TOT	.	1.33	.	521 (2.20)	492 (1.26)	486 (0.95)	462 (2.19)	360 (4.21)
AVG	.	1.24	.	532 (1.13)	509 (0.81)	492 (0.59)	465 (1.11)	386 (2.99)
HKG	72484	0.21	72334	613 (6.17)	573 (4.23)	535 (5.14)	485 (7.47)	. (.)
IDN	1971476	0.14	1968659	350 (7.02)	363 (3.88)	370 (4.41)	350 (7.59)	296 (4.86)
LVA	33643	0.23	33565	515 (6.55)	485 (4.81)	477 (3.64)	462 (6.79)	412 (11.67)
LIE	338	.	338	557 (9.48)	534 (7.90)	521 (8.88)	. (.)	. (.)
MAC	6546	.	6546	586 (12.54)	550 (6.07)	516 (3.99)	495 (7.54)	. (.)
RUS	2153373	0.02	2152991	491 (6.21)	473 (4.38)	459 (3.87)	449 (8.74)	366 (7.88)
YUG	68596	0.57	68202	452 (5.02)	447 (4.61)	440 (3.63)	427 (4.53)	353 (7.25)
THA	637076	.	637076	429 (6.25)	417 (3.67)	416 (3.23)	417 (4.56)	376 (14.66)
TUN	150875	0.13	150672	377 (4.71)	368 (3.14)	353 (3.14)	334 (3.78)	322 (6.51)
URY	33775	0.15	33724	450 (5.31)	433 (3.62)	423 (3.96)	395 (6.21)	317 (5.91)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating the petrol consumption rate of a car.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	568 (4.25)	530 (2.32)	508 (2.48)	488 (5.13)	414 (12.73)
AUT	85931	1.08	85003	502 (4.53)	502 (4.70)	488 (4.29)	469 (4.97)	419 (17.77)
BEL	111831	1.79	109825	525 (4.62)	521 (2.98)	516 (2.75)	483 (5.21)	352 (16.29)
CAN	330436	9.70	298375	560 (3.18)	528 (2.08)	506 (2.24)	479 (3.64)	474 (9.39)
CZE	121183	4.09	116221	556 (5.17)	538 (3.85)	513 (3.45)	500 (5.58)	394 (18.20)
DNK	51741	0.65	51406	512 (5.31)	486 (3.45)	459 (3.21)	430 (6.75)	379 (16.93)
FIN	57884	0.07	57845	576 (4.93)	558 (2.76)	539 (2.65)	521 (3.90)	519 (10.92)
FRA	734579	0.87	728167	538 (4.76)	520 (3.88)	504 (3.74)	464 (7.24)	415 (16.63)
DEU	884358	5.57	835070	529 (6.41)	520 (4.11)	507 (3.90)	469 (6.88)	386 (14.35)
GRC	105131	0.13	104991	492 (6.04)	493 (5.28)	482 (4.02)	467 (3.91)	390 (11.47)
HUN	107044	0.06	106984	534 (4.76)	503 (3.43)	490 (2.97)	477 (8.27)	419 (28.26)
ISL	3928	0.63	3903	524 (4.74)	507 (2.86)	482 (2.46)	461 (5.24)	. (.)
IRL	54850	1.03	54285	530 (5.05)	512 (3.19)	501 (3.08)	477 (5.36)	389 (14.84)
ITA	481521	0.20	480558	499 (6.55)	495 (3.69)	483 (3.52)	465 (5.71)	383 (17.91)
JPN	1240054	0.10	1238855	613 (15.02)	594 (5.22)	549 (4.06)	507 (5.19)	. (.)
KOR	533504	.	533504	621 (8.92)	578 (5.80)	527 (3.34)	514 (4.60)	. (.)
LUX	4080	0.08	4077	497 (3.07)	494 (2.75)	478 (2.88)	451 (5.78)	356 (14.25)
MEX	1071650	0.37	1067674	425 (5.10)	410 (3.51)	407 (3.96)	384 (6.06)	329 (7.41)
NLD	184943	3.16	179092	558 (5.19)	531 (3.63)	519 (3.39)	490 (7.02)	455 (17.14)
NZL	48638	1.18	48063	571 (4.58)	529 (2.89)	506 (3.11)	486 (7.47)	. (.)
NOR	52816	0.77	52407	513 (4.88)	498 (3.01)	470 (3.84)	431 (6.01)	373 (16.99)
POL	534900	.	534900	542 (5.05)	505 (3.51)	483 (3.08)	476 (6.64)	381 (13.86)
PRT	96857	0.23	96637	498 (4.04)	469 (4.28)	457 (4.11)	425 (9.27)	422 (13.00)
SVK	77067	0.04	77034	538 (4.90)	507 (4.00)	477 (3.80)	433 (10.71)	360 (24.62)
ESP	344372	0.07	344114	513 (4.71)	496 (3.54)	484 (2.93)	446 (5.77)	339 (16.01)
SWE	107104	0.27	106810	545 (5.01)	516 (3.25)	486 (2.88)	454 (9.61)	396 (18.60)
CHE	86491	0.14	86370	534 (6.29)	517 (3.79)	500 (3.80)	476 (7.97)	430 (14.61)
TUR	481279	0.03	481137	477 (13.48)	442 (6.63)	429 (5.16)	406 (5.62)	370 (6.25)
GBR	698579	3.63	673211	561 (5.88)	528 (3.46)	508 (2.95)	483 (5.63)	406 (17.18)
USA	3147089	0.76	3123066	530 (4.22)	485 (2.70)	468 (4.04)	435 (9.19)	384 (16.06)
TOT	.	1.33	.	525 (2.08)	497 (1.26)	494 (0.97)	475 (2.31)	372 (4.14)
AVG	.	1.24	.	527 (1.10)	507 (0.77)	494 (0.59)	471 (1.19)	388 (2.63)
HKG	72484	0.21	72334	589 (5.71)	557 (4.02)	528 (4.94)	485 (6.95)	. (.)
IDN	1971476	0.14	1968659	392 (5.59)	397 (3.13)	401 (3.81)	383 (7.65)	350 (5.04)
LVA	33643	0.23	33565	519 (7.05)	491 (4.59)	483 (4.03)	471 (6.71)	408 (16.10)
LIE	338	.	338	542 (9.73)	524 (8.26)	514 (10.84)	. (.)	. (.)
MAC	6546	.	6546	574 (11.94)	546 (6.86)	517 (4.48)	492 (6.43)	. (.)
RUS	2153373	0.02	2152991	516 (5.68)	493 (4.91)	478 (4.07)	472 (7.76)	388 (10.68)
YUG	68596	0.57	68202	451 (4.64)	444 (4.23)	438 (4.08)	425 (4.69)	374 (9.25)
THA	637076	.	637076	440 (6.41)	429 (3.17)	428 (2.95)	430 (4.84)	395 (14.51)
TUN	150875	0.13	150672	400 (4.28)	395 (3.44)	380 (3.19)	363 (4.99)	342 (7.41)
URY	33775	0.15	33724	465 (6.38)	444 (3.48)	442 (3.87)	425 (7.10)	338 (6.57)

Student Questionnaire – Question 31

Q31 How confident do you feel about having to do the following Mathematics tasks?
Calculating the petrol consumption rate of a car.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Very Confident Mean (SE)	Confident Mean (SE)	Not Very Confident Mean (SE)	Not at All Confident Mean (SE)	Missing mean (SE)
AUS	235591	0.33	234807	563 (3.63)	535 (2.04)	517 (2.29)	495 (5.08)	422 (13.80)
AUT	85931	1.08	85003	516 (4.21)	518 (4.23)	503 (3.94)	483 (4.66)	447 (15.87)
BEL	111831	1.79	109825	539 (4.12)	538 (2.86)	533 (2.33)	498 (4.82)	393 (12.60)
CAN	330436	9.70	298375	567 (2.99)	540 (1.69)	519 (1.77)	489 (3.42)	492 (8.50)
CZE	121183	4.09	116221	549 (4.38)	533 (3.53)	508 (3.36)	493 (5.48)	394 (19.97)
DNK	51741	0.65	51406	547 (4.42)	526 (2.91)	503 (2.89)	479 (6.21)	431 (16.45)
FIN	57884	0.07	57845	576 (4.53)	558 (2.29)	537 (2.45)	519 (3.99)	530 (8.55)
FRA	734579	0.87	728167	539 (4.13)	529 (3.58)	514 (3.33)	477 (5.72)	435 (13.82)
DEU	884358	5.57	835070	534 (5.46)	527 (3.97)	515 (3.33)	479 (5.93)	411 (11.79)
GRC	105131	0.13	104991	449 (6.79)	459 (4.67)	453 (4.26)	439 (4.31)	345 (11.91)
HUN	107044	0.06	106984	528 (4.42)	501 (3.65)	490 (3.05)	473 (7.60)	438 (25.79)
ISL	3928	0.63	3903	530 (4.30)	515 (2.59)	494 (2.52)	474 (4.85)	. (.)
IRL	54850	1.03	54285	519 (4.49)	505 (2.86)	495 (2.57)	472 (4.30)	376 (13.16)
ITA	481521	0.20	480558	482 (6.46)	477 (3.56)	467 (3.29)	449 (5.29)	343 (18.52)
JPN	1240054	0.10	1238855	614 (11.92)	591 (5.04)	550 (3.94)	506 (4.87)	. (.)
KOR	533504	.	533504	621 (7.38)	586 (5.11)	541 (2.80)	526 (3.95)	. (.)
LUX	4080	0.08	4077	502 (3.44)	504 (2.56)	491 (2.75)	466 (4.82)	402 (12.50)
MEX	1071650	0.37	1067674	406 (5.95)	390 (4.34)	390 (4.62)	359 (9.22)	287 (7.79)
NLD	184943	3.16	179092	552 (4.23)	527 (3.51)	513 (3.50)	481 (6.32)	451 (16.24)
NZL	48638	1.18	48063	579 (4.01)	541 (2.84)	519 (2.85)	497 (6.71)	. (.)
NOR	52816	0.77	52407	516 (4.52)	504 (3.19)	477 (3.61)	431 (5.16)	412 (16.52)
POL	534900	.	534900	523 (4.80)	492 (3.39)	477 (2.82)	467 (5.45)	349 (23.53)
PRT	96857	0.23	96637	497 (4.72)	472 (4.60)	459 (4.24)	429 (10.02)	434 (14.13)
SVK	77067	0.04	77034	531 (4.45)	503 (3.85)	475 (3.31)	434 (7.02)	389 (25.19)
ESP	344372	0.07	344114	499 (4.60)	490 (3.55)	482 (2.79)	446 (5.12)	345 (13.78)
SWE	107104	0.27	106810	540 (4.66)	518 (3.01)	491 (2.63)	460 (6.06)	419 (17.49)
CHE	86491	0.14	86370	541 (4.94)	525 (3.67)	511 (2.88)	491 (7.18)	422 (14.49)
TUR	481279	0.03	481137	453 (14.13)	419 (6.30)	404 (4.87)	381 (4.84)	318 (5.31)
GBR	698579	3.63	673211	545 (5.42)	519 (3.22)	500 (2.73)	478 (5.09)	425 (17.09)
USA	3147089	0.76	3123066	516 (4.41)	472 (2.58)	454 (4.27)	415 (7.88)	369 (13.41)
TOT	.	1.33	.	515 (2.18)	490 (1.37)	491 (1.12)	471 (2.29)	351 (4.50)
AVG	.	1.24	.	524 (1.07)	507 (0.85)	496 (0.62)	471 (1.21)	383 (3.32)
HKG	72484	0.21	72334	600 (5.44)	567 (3.83)	535 (4.94)	492 (7.44)	. (.)
IDN	1971476	0.14	1968659	349 (6.38)	362 (3.23)	371 (3.79)	353 (6.80)	309 (4.44)
LVA	33643	0.23	33565	510 (6.63)	485 (4.87)	477 (4.12)	465 (7.99)	387 (14.03)
LIE	338	.	338	546 (10.10)	529 (7.44)	518 (9.68)	. (.)	. (.)
MAC	6546	.	6546	563 (10.85)	557 (5.67)	523 (3.78)	507 (6.05)	. (.)
RUS	2153373	0.02	2152991	500 (6.44)	484 (4.88)	472 (4.21)	456 (10.19)	353 (10.32)
YUG	68596	0.57	68202	429 (4.74)	431 (4.13)	426 (3.35)	414 (4.59)	337 (8.33)
THA	637076	.	637076	439 (6.35)	424 (3.71)	424 (3.38)	429 (4.23)	376 (16.59)
TUN	150875	0.13	150672	357 (3.89)	353 (3.10)	342 (2.55)	329 (4.13)	303 (6.75)
URY	33775	0.15	33724	432 (6.47)	422 (4.29)	414 (4.67)	387 (7.05)	297 (6.87)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I often worry that it will be difficult for me in Mathematics classes.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	10.02 (0.33)	42.34 (0.55)	39.01 (0.59)	7.73 (0.31)	0.89 (0.13)
AUT	85931	1.08	85003	21.51 (0.76)	33.84 (0.71)	28.27 (0.79)	15.04 (0.81)	1.34 (0.63)
BEL	111831	1.79	109825	14.88 (0.51)	40.28 (0.64)	33.10 (0.68)	8.96 (0.41)	2.79 (0.49)
CAN	330436	9.70	298375	15.57 (0.36)	37.35 (0.49)	33.53 (0.60)	11.97 (0.36)	1.59 (0.12)
CZE	121183	4.09	116221	10.12 (0.51)	41.83 (0.98)	39.52 (0.93)	7.74 (0.42)	0.78 (0.32)
DNK	51741	0.65	51406	7.02 (0.40)	26.18 (0.81)	42.32 (0.79)	22.67 (0.79)	1.80 (0.22)
FIN	57884	0.07	57845	10.23 (0.49)	39.87 (0.65)	40.49 (0.82)	8.86 (0.38)	0.55 (0.11)
FRA	734579	0.87	728167	17.60 (0.67)	42.06 (0.89)	29.48 (0.94)	9.10 (0.54)	1.76 (0.20)
DEU	884358	5.57	835070	19.49 (0.67)	32.35 (0.69)	31.26 (0.77)	15.44 (0.55)	1.46 (0.25)
GRC	105131	0.13	104991	19.07 (0.73)	49.63 (0.86)	23.96 (0.73)	6.20 (0.36)	1.14 (0.21)
HUN	107044	0.06	106984	15.98 (0.60)	46.07 (0.80)	30.95 (0.76)	6.28 (0.35)	0.72 (0.14)
ISL	3928	0.63	3903	14.29 (0.58)	35.74 (0.74)	35.82 (0.75)	13.47 (0.54)	0.69 (.)
IRL	54850	1.03	54285	15.23 (0.59)	43.83 (0.90)	33.42 (0.90)	6.34 (0.42)	1.18 (0.21)
ITA	481521	0.42	479499	17.74 (0.40)	52.04 (0.67)	24.20 (0.57)	5.22 (0.37)	0.80 (0.15)
JPN	1240054	0.10	1238855	27.44 (0.83)	40.91 (0.75)	23.28 (0.71)	7.90 (0.45)	0.46 (.)
KOR	533504	0.02	533393	21.59 (0.64)	57.39 (0.57)	17.01 (0.54)	3.74 (0.33)	0.28 (.)
LUX	4080	0.08	4077	21.55 (0.58)	35.63 (0.78)	28.43 (0.68)	12.90 (0.53)	1.50 (0.18)
MEX	1071650	0.37	1067674	24.65 (0.66)	48.65 (0.77)	18.07 (0.58)	3.41 (0.26)	5.22 (0.49)
NLD	184943	3.26	178914	8.07 (0.43)	27.69 (0.96)	50.29 (1.00)	12.53 (0.63)	1.42 (0.28)
NZL	48638	1.16	48073	10.31 (0.57)	41.59 (0.91)	38.85 (0.87)	8.90 (0.42)	0.35 (.)
NOR	52816	0.77	52407	12.99 (0.65)	32.84 (0.82)	38.92 (0.87)	13.57 (0.58)	1.68 (0.38)
POL	534900	.	534900	12.64 (0.59)	48.11 (0.88)	30.18 (0.78)	8.33 (0.49)	0.75 (0.19)
PRT	96857	0.23	96637	19.44 (0.60)	54.54 (0.97)	20.72 (0.63)	3.87 (0.35)	1.43 (0.27)
SVK	77067	0.04	77034	11.58 (0.64)	45.21 (0.82)	36.12 (0.76)	5.71 (0.37)	1.38 (0.51)
ESP	344372	0.07	344114	18.53 (0.52)	46.67 (0.78)	27.50 (0.79)	6.32 (0.33)	0.97 (0.15)
SWE	107104	0.27	106810	6.27 (0.41)	25.61 (0.70)	48.59 (0.66)	18.63 (0.63)	0.90 (0.15)
CHE	86491	0.14	86370	13.45 (0.45)	33.38 (0.91)	36.09 (0.69)	15.56 (0.60)	1.53 (0.19)
TUR	481279	0.03	481137	19.99 (0.76)	40.89 (1.09)	24.50 (1.05)	9.74 (0.71)	4.88 (0.58)
GBR	698579	3.61	673362	8.98 (0.41)	37.12 (0.81)	43.44 (0.83)	9.36 (0.39)	1.10 (0.19)
USA	3147089	0.76	3123066	15.41 (0.51)	39.74 (0.79)	32.86 (0.79)	10.39 (0.48)	1.61 (0.20)
TOT	.	1.34	.	17.70 (0.20)	41.90 (0.26)	29.70 (0.25)	8.98 (0.15)	1.72 (0.09)
AVG	.	1.25	.	15.40 (0.10)	40.69 (0.14)	32.63 (0.13)	9.84 (0.09)	1.43 (0.06)
HKG	72484	0.21	72334	17.12 (0.55)	50.68 (0.94)	27.23 (0.89)	4.74 (0.36)	0.24 (.)
IDN	1971476	0.00	1971403	13.18 (0.45)	63.75 (0.75)	18.26 (0.65)	1.83 (0.35)	2.97 (0.33)
LVA	33643	0.23	33565	11.98 (0.68)	49.93 (0.94)	32.86 (1.01)	4.71 (0.47)	0.53 (.)
LIE	338	.	338	11.76 (1.66)	34.95 (2.64)	37.92 (2.74)	15.07 (1.87)	0.30 (.)
MAC	6546	.	6546	23.62 (1.56)	44.24 (1.83)	25.61 (1.40)	6.25 (0.90)	0.28 (.)
RUS	2153373	0.02	2152991	9.88 (0.41)	46.94 (0.72)	36.09 (0.80)	5.76 (0.31)	1.32 (0.18)
YUG	68596	0.55	68217	17.56 (0.75)	42.49 (1.00)	28.86 (0.93)	6.00 (0.48)	5.08 (0.69)
THA	637076	.	637076	10.38 (0.45)	53.24 (0.98)	32.65 (0.91)	2.91 (0.31)	0.82 (0.16)
TUN	150875	0.16	150640	31.73 (0.80)	46.33 (0.87)	13.74 (0.51)	5.57 (0.38)	2.62 (0.26)
URY	33775	0.17	33718	23.38 (0.83)	38.80 (0.79)	26.47 (0.81)	7.88 (0.43)	3.48 (0.34)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I often worry that it will be difficult for me in Mathematics classes.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	504 (5.30)	519 (2.40)	537 (2.11)	554 (4.20)	384 (11.52)
AUT	85931	1.08	85003	483 (4.50)	489 (4.00)	503 (3.97)	504 (6.70)	456 (34.91)
BEL	111831	1.79	109825	499 (4.08)	512 (3.29)	528 (3.29)	512 (6.66)	331 (23.73)
CAN	330436	9.70	298375	511 (2.78)	521 (1.96)	544 (2.10)	560 (2.76)	499 (7.08)
CZE	121183	4.09	116221	467 (4.82)	481 (3.21)	515 (3.15)	527 (5.81)	405 (40.72)
DNK	51741	0.65	51406	453 (5.69)	468 (4.17)	499 (2.66)	527 (3.88)	414 (15.77)
FIN	57884	0.07	57845	528 (4.47)	532 (2.32)	553 (2.03)	574 (4.09)	512 (22.65)
FRA	734579	0.87	728167	483 (5.09)	497 (2.75)	510 (3.98)	500 (7.02)	415 (15.23)
DEU	884358	5.57	835070	486 (5.67)	496 (4.19)	513 (3.47)	519 (4.75)	362 (13.70)
GRC	105131	0.13	104991	467 (4.92)	470 (4.16)	490 (5.01)	472 (9.32)	307 (23.28)
HUN	107044	0.06	106984	475 (4.81)	473 (2.70)	497 (3.19)	506 (6.10)	365 (23.52)
ISL	3928	0.63	3903	464 (4.52)	476 (3.27)	509 (2.36)	528 (4.90)	. (.)
IRL	54850	1.03	54285	498 (3.98)	512 (3.12)	527 (3.34)	538 (7.36)	399 (19.71)
ITA	481521	0.42	479499	469 (5.00)	472 (3.18)	493 (3.31)	481 (8.58)	354 (25.29)
JPN	1240054	0.10	1238855	502 (4.83)	504 (4.00)	495 (5.52)	474 (7.77)	. (.)
KOR	533504	0.02	533393	527 (3.82)	534 (3.20)	546 (4.59)	541 (9.05)	. (.)
LUX	4080	0.08	4077	469 (3.68)	479 (2.58)	493 (3.02)	485 (4.70)	342 (16.07)
MEX	1071650	0.37	1067674	402 (4.22)	401 (3.79)	416 (7.01)	433 (9.95)	305 (6.32)
NLD	184943	3.26	178914	500 (5.56)	511 (4.00)	524 (3.06)	521 (5.97)	483 (12.19)
NZL	48638	1.16	48073	490 (7.03)	508 (3.36)	540 (2.89)	564 (5.79)	. (.)
NOR	52816	0.77	52407	455 (5.42)	481 (3.06)	520 (2.91)	543 (5.22)	425 (21.09)
POL	534900	.	534900	470 (5.12)	479 (2.96)	529 (3.48)	536 (7.55)	326 (26.24)
PRT	96857	0.23	96637	476 (4.23)	471 (4.32)	498 (4.91)	495 (9.46)	434 (17.72)
SVK	77067	0.04	77034	432 (5.62)	461 (3.35)	490 (3.55)	503 (8.01)	371 (29.41)
ESP	344372	0.07	344114	473 (3.52)	481 (2.88)	493 (3.86)	474 (6.91)	319 (18.98)
SWE	107104	0.27	106810	477 (7.93)	494 (4.13)	521 (2.70)	544 (3.89)	421 (23.69)
CHE	86491	0.14	86370	480 (4.19)	495 (4.17)	507 (3.38)	516 (5.87)	395 (19.06)
TUR	481279	0.03	481137	427 (5.73)	434 (5.19)	468 (8.97)	472 (10.57)	356 (6.14)
GBR	698579	3.61	673362	485 (5.49)	499 (3.35)	515 (3.06)	531 (5.32)	406 (14.54)
USA	3147089	0.76	3123066	468 (4.82)	485 (3.66)	515 (3.44)	534 (6.16)	365 (16.82)
TOT	.	1.34	.	472 (1.74)	482 (1.31)	508 (1.36)	516 (2.15)	355 (5.16)
AVG	.	1.25	.	476 (0.96)	487 (0.78)	513 (0.65)	520 (1.13)	378 (4.22)
HKG	72484	0.21	72334	499 (4.48)	504 (4.93)	526 (3.51)	519 (8.03)	. (.)
IDN	1971476	0.00	1971403	380 (5.43)	388 (3.24)	375 (4.39)	367 (12.98)	301 (9.61)
LVA	33643	0.23	33565	475 (5.66)	477 (3.43)	512 (4.65)	536 (10.13)	. (.)
LIE	338	.	338	524 (12.40)	520 (7.80)	522 (8.04)	544 (12.44)	. (.)
MAC	6546	.	6546	495 (6.66)	491 (3.58)	505 (4.15)	524 (8.01)	. (.)
RUS	2153373	0.02	2152991	420 (5.88)	431 (3.96)	462 (4.20)	482 (7.19)	295 (12.78)
YUG	68596	0.55	68217	394 (4.10)	408 (3.65)	434 (4.29)	440 (7.97)	352 (11.27)
THA	637076	.	637076	427 (4.46)	416 (2.81)	424 (4.03)	444 (8.62)	341 (19.26)
TUN	150875	0.16	150640	380 (3.41)	376 (3.35)	370 (5.44)	376 (8.13)	311 (11.30)
URY	33775	0.17	33718	417 (5.22)	431 (4.28)	457 (4.67)	467 (8.59)	329 (10.16)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I often worry that it will be difficult for me in Mathematics classes.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	479 (4.69)	510 (1.95)	544 (2.21)	580 (4.76)	420 (11.76)
AUT	85931	1.08	85003	474 (3.76)	497 (3.32)	527 (3.63)	545 (6.21)	455 (21.77)
BEL	111831	1.79	109825	503 (3.80)	529 (3.07)	559 (2.89)	555 (6.24)	375 (22.69)
CAN	330436	9.70	298375	492 (2.59)	518 (1.98)	558 (2.04)	591 (2.73)	502 (8.10)
CZE	121183	4.09	116221	474 (4.33)	499 (3.42)	549 (3.30)	582 (6.68)	437 (38.59)
DNK	51741	0.65	51406	446 (5.59)	471 (3.33)	523 (2.70)	577 (3.63)	438 (11.99)
FIN	57884	0.07	57845	498 (4.11)	521 (2.25)	564 (2.15)	616 (4.38)	508 (19.54)
FRA	734579	0.87	728167	480 (4.37)	506 (2.52)	535 (3.20)	537 (6.30)	453 (11.77)
DEU	884358	5.57	835070	475 (4.95)	499 (3.96)	530 (3.22)	554 (4.53)	403 (10.84)
GRC	105131	0.13	104991	416 (3.69)	438 (3.88)	477 (5.11)	485 (7.81)	340 (18.41)
HUN	107044	0.06	106984	466 (3.81)	475 (3.15)	516 (3.48)	545 (6.27)	409 (21.36)
ISL	3928	0.63	3903	468 (3.56)	493 (2.73)	538 (2.40)	569 (4.14)	. (.)
IRL	54850	1.03	54285	467 (3.83)	496 (2.90)	522 (3.12)	554 (6.53)	391 (15.75)
ITA	481521	0.42	479499	445 (4.74)	459 (3.27)	492 (3.52)	492 (7.68)	399 (19.02)
JPN	1240054	0.10	1238855	527 (4.83)	539 (4.01)	539 (5.79)	529 (8.05)	. (.)
KOR	533504	0.02	533393	520 (3.90)	539 (3.45)	571 (4.73)	589 (8.73)	. (.)
LUX	4080	0.08	4077	461 (3.03)	486 (2.46)	516 (2.76)	525 (4.19)	416 (13.26)
MEX	1071650	0.37	1067674	377 (3.43)	385 (3.37)	410 (6.07)	434 (10.56)	306 (5.14)
NLD	184943	3.26	178914	499 (5.77)	528 (4.32)	555 (3.11)	562 (6.33)	475 (9.85)
NZL	48638	1.16	48073	468 (5.41)	501 (2.68)	550 (2.67)	597 (5.00)	. (.)
NOR	52816	0.77	52407	433 (4.40)	467 (2.59)	521 (2.49)	561 (4.59)	419 (16.66)
POL	534900	.	534900	445 (4.16)	466 (2.44)	532 (2.96)	562 (6.09)	355 (20.68)
PRT	96857	0.23	96637	451 (3.57)	456 (4.03)	500 (4.06)	520 (8.93)	425 (14.15)
SVK	77067	0.04	77034	446 (6.23)	484 (3.27)	528 (3.28)	552 (8.19)	407 (33.87)
ESP	344372	0.07	344114	462 (3.10)	481 (2.53)	509 (3.62)	504 (7.44)	352 (15.87)
SWE	107104	0.27	106810	444 (6.92)	471 (3.51)	518 (2.85)	565 (4.15)	429 (19.83)
CHE	86491	0.14	86370	486 (4.53)	511 (3.98)	541 (4.08)	568 (5.98)	438 (16.70)
TUR	481279	0.03	481137	394 (5.28)	412 (5.51)	463 (10.32)	482 (11.52)	327 (7.96)
GBR	698579	3.61	673362	466 (5.16)	491 (3.27)	522 (3.02)	558 (4.97)	423 (15.86)
USA	3147089	0.76	3123066	439 (4.12)	468 (3.05)	509 (3.39)	541 (6.24)	387 (15.18)
TOT	.	1.34	.	459 (1.59)	478 (1.19)	517 (1.30)	541 (1.92)	370 (4.96)
AVG	.	1.25	.	463 (0.85)	485 (0.75)	527 (0.68)	554 (1.05)	394 (3.78)
HKG	72484	0.21	72334	522 (4.45)	539 (5.63)	584 (4.48)	590 (9.79)	. (.)
IDN	1971476	0.00	1971403	349 (4.85)	366 (3.94)	362 (5.04)	354 (13.13)	283 (6.66)
LVA	33643	0.23	33565	448 (4.87)	464 (3.27)	516 (4.75)	561 (11.35)	. (.)
LIE	338	.	338	507 (12.70)	517 (9.54)	540 (7.33)	592 (12.59)	. (.)
MAC	6546	.	6546	508 (6.40)	514 (4.64)	552 (6.14)	598 (14.67)	. (.)
RUS	2153373	0.02	2152991	434 (5.07)	452 (4.18)	493 (4.59)	531 (7.99)	366 (9.33)
YUG	68596	0.55	68217	407 (4.30)	429 (3.68)	469 (3.81)	479 (6.64)	374 (10.72)
THA	637076	.	637076	413 (4.37)	409 (3.09)	430 (3.81)	452 (9.28)	364 (18.24)
TUN	150875	0.16	150640	357 (3.23)	359 (2.72)	366 (4.33)	376 (6.60)	310 (7.30)
URY	33775	0.17	33718	393 (3.32)	415 (3.60)	455 (4.61)	477 (7.13)	320 (9.86)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I often worry that it will be difficult for me in Mathematics classes.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	490 (4.17)	512 (2.27)	542 (2.35)	574 (4.48)	422 (13.47)
AUT	85931	1.08	85003	471 (4.08)	485 (3.69)	507 (3.94)	518 (6.45)	433 (27.81)
BEL	111831	1.79	109825	493 (4.20)	511 (2.99)	532 (3.05)	521 (6.18)	347 (19.39)
CAN	330436	9.70	298375	482 (3.05)	506 (2.33)	544 (2.33)	572 (2.72)	490 (9.17)
CZE	121183	4.09	116221	488 (4.86)	508 (3.49)	552 (3.47)	579 (7.17)	449 (39.42)
DNK	51741	0.65	51406	410 (6.84)	437 (4.10)	483 (3.54)	535 (3.87)	392 (14.76)
FIN	57884	0.07	57845	516 (4.44)	528 (2.40)	564 (2.31)	607 (4.65)	504 (18.52)
FRA	734579	0.87	728167	488 (5.51)	508 (3.28)	531 (4.31)	529 (7.88)	441 (15.77)
DEU	884358	5.57	835070	481 (5.67)	501 (4.50)	528 (3.39)	549 (5.00)	386 (13.39)
GRC	105131	0.13	104991	464 (4.36)	475 (3.89)	505 (5.62)	505 (9.44)	388 (16.75)
HUN	107044	0.06	106984	493 (4.93)	492 (2.88)	521 (3.52)	536 (7.31)	398 (22.72)
ISL	3928	0.63	3903	455 (4.15)	475 (2.91)	515 (2.94)	542 (4.86)	. (.)
IRL	54850	1.03	54285	477 (4.24)	500 (3.10)	520 (3.49)	548 (7.72)	408 (15.08)
ITA	481521	0.42	479499	474 (5.28)	481 (3.40)	507 (3.44)	507 (8.46)	404 (24.94)
JPN	1240054	0.10	1238855	546 (5.05)	552 (4.34)	549 (5.78)	533 (8.17)	. (.)
KOR	533504	0.02	533393	527 (4.61)	536 (3.74)	558 (5.38)	564 (9.57)	. (.)
LUX	4080	0.08	4077	455 (3.73)	477 (2.60)	505 (3.14)	511 (4.89)	361 (16.49)
MEX	1071650	0.37	1067674	400 (3.86)	405 (3.09)	424 (6.79)	440 (10.38)	340 (6.95)
NLD	184943	3.26	178914	495 (6.48)	517 (4.66)	539 (3.33)	540 (7.34)	452 (13.08)
NZL	48638	1.16	48073	477 (6.72)	502 (2.89)	543 (2.94)	580 (5.59)	. (.)
NOR	52816	0.77	52407	422 (4.97)	457 (3.46)	510 (3.25)	550 (5.32)	382 (19.17)
POL	534900	.	534900	457 (4.65)	471 (3.10)	541 (3.52)	566 (8.13)	406 (22.62)
PRT	96857	0.23	96637	460 (3.91)	460 (4.14)	493 (4.84)	499 (8.77)	421 (15.33)
SVK	77067	0.04	77034	453 (6.88)	482 (3.80)	521 (3.61)	543 (9.42)	383 (29.53)
ESP	344372	0.07	344114	472 (3.58)	485 (2.56)	505 (3.97)	498 (8.76)	327 (22.23)
SWE	107104	0.27	106810	454 (8.35)	477 (4.30)	514 (3.32)	549 (4.79)	409 (26.13)
CHE	86491	0.14	86370	479 (4.22)	500 (5.10)	526 (4.09)	547 (6.12)	435 (18.69)
TUR	481279	0.03	481137	411 (5.33)	425 (5.12)	466 (9.11)	477 (10.49)	364 (8.36)
GBR	698579	3.61	673362	484 (6.28)	504 (3.91)	531 (3.13)	562 (5.27)	417 (15.85)
USA	3147089	0.76	3123066	455 (4.36)	478 (3.52)	515 (3.72)	542 (5.91)	382 (21.04)
TOT	.	1.34	.	474 (1.67)	486 (1.26)	519 (1.41)	537 (1.89)	380 (5.62)
AVG	.	1.25	.	472 (0.88)	488 (0.73)	522 (0.68)	540 (1.13)	393 (3.54)
HKG	72484	0.21	72334	520 (4.65)	531 (5.43)	564 (4.17)	570 (8.56)	. (.)
IDN	1971476	0.00	1971403	394 (4.72)	399 (3.17)	393 (4.37)	385 (11.27)	343 (6.46)
LVA	33643	0.23	33565	459 (5.59)	472 (3.53)	518 (4.99)	556 (11.70)	. (.)
LIE	338	.	338	508 (13.44)	509 (9.30)	527 (9.05)	569 (14.54)	. (.)
MAC	6546	.	6546	511 (6.92)	514 (4.23)	543 (6.66)	579 (15.22)	. (.)
RUS	2153373	0.02	2152991	456 (5.29)	475 (4.44)	513 (4.46)	543 (8.87)	389 (14.51)
YUG	68596	0.55	68217	414 (4.00)	430 (3.57)	459 (4.24)	474 (6.95)	400 (11.83)
THA	637076	.	637076	428 (4.38)	423 (2.95)	438 (3.52)	463 (7.71)	392 (18.60)
TUN	150875	0.16	150640	390 (3.32)	384 (3.00)	385 (4.85)	388 (7.45)	326 (8.53)
URY	33775	0.17	33718	414 (3.43)	435 (3.97)	463 (4.70)	487 (8.11)	339 (8.66)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I often worry that it will be difficult for me in Mathematics classes.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	492 (4.24)	518 (2.04)	546 (1.91)	577 (4.41)	432 (11.79)
AUT	85931	1.08	85003	479 (3.65)	498 (3.24)	526 (3.78)	541 (6.69)	440 (23.58)
BEL	111831	1.79	109825	498 (3.87)	524 (2.95)	552 (2.77)	548 (6.48)	397 (14.07)
CAN	330436	9.70	298375	493 (2.59)	518 (2.01)	553 (2.12)	583 (2.47)	501 (7.95)
CZE	121183	4.09	116221	479 (4.74)	502 (3.32)	547 (3.18)	573 (6.75)	442 (43.71)
DNK	51741	0.65	51406	454 (5.44)	479 (3.38)	524 (2.22)	573 (3.63)	441 (12.94)
FIN	57884	0.07	57845	512 (4.10)	527 (2.21)	564 (2.10)	608 (4.52)	517 (17.20)
FRA	734579	0.87	728167	491 (4.61)	516 (2.71)	541 (3.55)	542 (6.60)	455 (14.42)
DEU	884358	5.57	835070	489 (5.01)	509 (3.92)	535 (3.29)	555 (4.38)	411 (11.64)
GRC	105131	0.13	104991	422 (4.40)	443 (3.91)	479 (5.26)	478 (8.39)	330 (17.84)
HUN	107044	0.06	106984	477 (4.26)	487 (3.08)	526 (3.64)	552 (6.73)	413 (19.02)
ISL	3928	0.63	3903	466 (3.86)	485 (2.69)	525 (2.28)	551 (3.60)	. (.)
IRL	54850	1.03	54285	468 (3.78)	493 (2.62)	515 (3.05)	538 (6.75)	392 (13.87)
ITA	481521	0.42	479499	450 (5.04)	464 (3.36)	497 (3.79)	492 (8.99)	368 (22.16)
JPN	1240054	0.10	1238855	539 (5.06)	553 (4.17)	552 (5.98)	544 (8.36)	. (.)
KOR	533504	0.02	533393	534 (3.49)	548 (3.18)	573 (4.64)	582 (8.21)	. (.)
LUX	4080	0.08	4077	465 (3.15)	488 (2.46)	514 (3.21)	520 (4.46)	430 (13.94)
MEX	1071650	0.37	1067674	380 (4.15)	384 (3.96)	408 (7.17)	429 (11.27)	299 (7.27)
NLD	184943	3.26	178914	480 (6.11)	510 (4.41)	535 (3.25)	542 (6.30)	448 (11.59)
NZL	48638	1.16	48073	486 (5.73)	514 (2.86)	556 (2.49)	595 (5.02)	. (.)
NOR	52816	0.77	52407	425 (5.04)	463 (3.27)	516 (2.64)	552 (5.19)	426 (18.11)
POL	534900	.	534900	448 (4.19)	465 (2.77)	524 (3.28)	549 (7.01)	317 (30.59)
PRT	96857	0.23	96637	455 (4.31)	461 (4.49)	502 (4.71)	511 (9.94)	435 (16.59)
SVK	77067	0.04	77034	439 (6.22)	478 (3.60)	520 (2.95)	545 (7.82)	419 (33.96)
ESP	344372	0.07	344114	462 (3.69)	479 (3.08)	504 (3.86)	495 (7.55)	338 (18.94)
SWE	107104	0.27	106810	451 (7.59)	482 (3.37)	516 (2.59)	553 (3.65)	424 (22.08)
CHE	86491	0.14	86370	486 (3.79)	508 (3.97)	536 (3.46)	556 (5.71)	422 (17.14)
TUR	481279	0.03	481137	384 (5.23)	397 (5.15)	442 (9.17)	457 (10.46)	317 (6.82)
GBR	698579	3.61	673362	470 (5.24)	496 (3.23)	522 (2.83)	551 (5.24)	433 (14.27)
USA	3147089	0.76	3123066	435 (4.12)	463 (3.52)	504 (3.63)	533 (6.14)	371 (15.83)
TOT	.	1.34	.	463 (1.78)	480 (1.34)	515 (1.35)	536 (1.91)	363 (5.30)
AVG	.	1.25	.	466 (0.92)	487 (0.80)	525 (0.67)	546 (1.07)	392 (3.71)
HKG	72484	0.21	72334	526 (4.22)	538 (5.53)	576 (3.92)	583 (8.60)	. (.)
IDN	1971476	0.00	1971403	357 (4.66)	367 (3.35)	358 (4.66)	351 (11.09)	300 (6.55)
LVA	33643	0.23	33565	449 (6.18)	464 (3.46)	514 (5.14)	556 (12.29)	. (.)
LIE	338	.	338	504 (13.06)	518 (8.61)	531 (6.60)	575 (11.05)	. (.)
MAC	6546	.	6546	515 (7.37)	524 (3.97)	550 (5.37)	582 (11.82)	. (.)
RUS	2153373	0.02	2152991	442 (4.92)	463 (4.58)	503 (5.01)	540 (8.81)	354 (12.27)
YUG	68596	0.55	68217	395 (4.65)	416 (3.33)	448 (3.96)	451 (6.89)	359 (10.92)
THA	637076	.	637076	427 (4.37)	418 (2.89)	434 (3.67)	465 (9.64)	342 (20.10)
TUN	150875	0.16	150640	344 (2.99)	345 (2.57)	348 (4.09)	363 (7.05)	301 (8.94)
URY	33775	0.17	33718	381 (4.11)	405 (4.25)	443 (5.06)	466 (8.82)	298 (9.33)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I am just not good at Mathematics.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	9.63 (0.44)	22.36 (0.55)	51.75 (0.62)	15.27 (0.46)	0.98 (0.13)
AUT	85931	1.08	85003	14.05 (0.62)	21.38 (0.70)	38.25 (0.79)	24.93 (0.80)	1.39 (0.63)
BEL	111831	1.79	109825	15.18 (0.52)	21.48 (0.55)	43.97 (0.63)	16.20 (0.48)	3.17 (0.48)
CAN	330436	9.70	298375	13.35 (0.31)	20.43 (0.47)	42.63 (0.56)	21.77 (0.43)	1.82 (0.14)
CZE	121183	4.09	116221	12.56 (0.68)	25.47 (0.74)	47.65 (0.88)	13.56 (0.59)	0.76 (0.29)
DNK	51741	0.65	51406	11.68 (0.52)	17.70 (0.56)	39.11 (0.85)	29.30 (0.82)	2.21 (0.25)
FIN	57884	0.07	57845	15.09 (0.58)	24.93 (0.61)	43.20 (0.74)	16.13 (0.53)	0.64 (0.11)
FRA	734579	0.87	728167	16.83 (0.66)	21.59 (0.63)	41.84 (0.79)	17.84 (0.67)	1.89 (0.20)
DEU	884358	5.57	835070	14.55 (0.51)	20.65 (0.65)	35.03 (0.76)	28.10 (0.67)	1.67 (0.23)
GRC	105131	0.13	104991	12.18 (0.54)	29.92 (0.87)	40.86 (0.86)	15.58 (0.66)	1.46 (0.23)
HUN	107044	0.06	106984	13.85 (0.53)	30.45 (0.77)	43.17 (0.83)	11.64 (0.51)	0.88 (0.17)
ISL	3928	0.63	3903	19.83 (0.68)	26.14 (0.72)	34.90 (0.83)	18.37 (0.68)	0.76 (.)
IRL	54850	1.03	54285	14.02 (0.57)	23.06 (0.70)	48.75 (0.96)	13.05 (0.65)	1.12 (0.21)
ITA	481521	0.42	479499	15.77 (0.67)	33.76 (0.55)	37.40 (0.71)	12.40 (0.50)	0.66 (0.12)
JPN	1240054	0.10	1238855	25.36 (0.90)	26.90 (0.73)	37.89 (0.83)	9.37 (0.51)	0.47 (.)
KOR	533504	0.02	533393	14.14 (0.60)	47.58 (0.72)	32.72 (0.74)	5.37 (0.35)	0.19 (.)
LUX	4080	0.08	4077	16.96 (0.55)	20.45 (0.66)	36.63 (0.79)	24.29 (0.68)	1.67 (0.21)
MEX	1071650	0.37	1067674	11.94 (0.45)	33.28 (0.76)	37.47 (0.78)	10.79 (0.77)	6.52 (0.62)
NLD	184943	3.18	179068	14.89 (0.64)	22.13 (0.81)	45.19 (0.89)	15.96 (0.83)	1.84 (0.28)
NZL	48638	1.14	48084	9.36 (0.52)	23.50 (0.64)	50.78 (0.75)	15.63 (0.61)	0.72 (.)
NOR	52816	0.77	52407	21.71 (0.69)	22.09 (0.75)	36.67 (0.80)	17.47 (0.66)	2.04 (0.37)
POL	534900	.	534900	13.84 (0.52)	37.59 (0.81)	34.92 (0.84)	12.58 (0.55)	1.07 (0.20)
PRT	96857	0.23	96637	18.00 (0.54)	34.21 (0.92)	37.11 (1.00)	9.35 (0.45)	1.33 (0.26)
SVK	77067	0.04	77034	11.03 (0.47)	32.19 (0.72)	45.67 (0.89)	9.41 (0.51)	1.70 (0.49)
ESP	344372	0.07	344114	21.34 (0.82)	28.74 (0.63)	37.46 (0.81)	11.35 (0.50)	1.10 (0.16)
SWE	107104	0.27	106810	11.80 (0.58)	21.48 (0.70)	40.79 (0.77)	24.42 (0.70)	1.50 (0.20)
CHE	86491	0.14	86370	12.53 (0.49)	20.64 (0.72)	38.98 (0.90)	25.94 (0.66)	1.90 (0.24)
TUR	481279	0.03	481137	16.05 (0.89)	40.57 (1.00)	27.47 (1.15)	11.07 (0.72)	4.84 (0.61)
GBR	698579	3.61	673362	11.15 (0.47)	21.87 (0.54)	49.03 (0.81)	16.41 (0.62)	1.54 (0.21)
USA	3147089	0.76	3123066	12.91 (0.48)	22.33 (0.62)	43.13 (0.75)	19.92 (0.62)	1.71 (0.25)
TOT	.	1.34	.	15.01 (0.19)	27.04 (0.22)	40.01 (0.23)	15.98 (0.21)	1.95 (0.10)
AVG	.	1.24	.	14.73 (0.10)	26.55 (0.12)	40.66 (0.13)	16.41 (0.12)	1.65 (0.06)
HKG	72484	0.21	72334	19.04 (0.68)	37.39 (1.00)	35.16 (0.96)	8.15 (0.60)	0.26 (.)
IDN	1971476	0.00	1971403	7.25 (0.38)	58.23 (0.92)	28.43 (0.90)	2.91 (0.33)	3.19 (0.37)
LVA	33643	0.23	33565	10.76 (0.55)	28.09 (0.85)	45.83 (0.94)	14.74 (0.77)	0.58 (.)
LIE	338	.	338	12.08 (1.68)	22.86 (2.42)	41.85 (2.97)	22.29 (2.35)	0.93 (.)
MAC	6546	.	6546	15.03 (1.09)	35.10 (1.70)	38.19 (1.68)	11.38 (1.09)	0.30 (.)
RUS	2153373	0.02	2152991	7.18 (0.45)	29.55 (1.10)	46.87 (1.06)	14.72 (0.53)	1.68 (0.21)
YUG	68596	0.56	68211	10.70 (0.54)	24.31 (0.99)	44.35 (1.07)	14.56 (0.68)	6.08 (0.74)
THA	637076	.	637076	14.49 (0.53)	53.11 (0.94)	28.85 (0.99)	2.82 (0.28)	0.73 (0.13)
TUN	150875	0.16	150640	24.11 (0.79)	26.39 (0.69)	26.62 (0.69)	19.14 (0.73)	3.73 (0.31)
URY	33775	0.17	33718	15.05 (0.54)	29.03 (0.76)	37.33 (0.73)	14.41 (0.57)	4.18 (0.30)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I am just not good at Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	492 (5.24)	499 (2.46)	536 (2.29)	561 (3.27)	404 (10.57)
AUT	85931	1.08	85003	480 (4.88)	476 (4.42)	500 (4.72)	507 (4.78)	463 (29.94)
BEL	111831	1.79	109825	491 (4.35)	502 (4.15)	525 (2.77)	531 (4.18)	350 (23.69)
CAN	330436	9.70	298375	501 (2.76)	506 (2.12)	538 (1.92)	564 (2.37)	496 (7.93)
CZE	121183	4.09	116221	466 (4.59)	471 (3.60)	508 (3.20)	530 (3.95)	441 (25.05)
DNK	51741	0.65	51406	461 (5.31)	465 (4.76)	497 (3.05)	522 (3.20)	411 (14.02)
FIN	57884	0.07	57845	513 (3.70)	518 (2.43)	557 (2.12)	576 (3.43)	516 (19.44)
FRA	734579	0.87	728167	475 (5.11)	480 (4.33)	508 (3.18)	520 (4.07)	423 (14.14)
DEU	884358	5.57	835070	492 (5.64)	489 (5.13)	507 (3.67)	515 (4.28)	367 (14.71)
GRC	105131	0.13	104991	452 (5.16)	455 (4.24)	488 (4.57)	495 (5.44)	322 (22.85)
HUN	107044	0.06	106984	470 (4.08)	467 (2.96)	488 (3.09)	518 (5.88)	377 (19.54)
ISL	3928	0.63	3903	465 (3.90)	469 (4.35)	507 (2.50)	530 (4.09)	. (.)
IRL	54850	1.03	54285	484 (4.26)	501 (3.44)	525 (3.26)	548 (4.96)	389 (20.04)
ITA	481521	0.42	479499	464 (4.91)	461 (3.98)	489 (3.24)	499 (4.47)	365 (22.93)
JPN	1240054	0.10	1238855	481 (5.27)	503 (4.90)	512 (4.38)	486 (7.73)	. (.)
KOR	533504	0.02	533393	508 (4.30)	521 (3.44)	559 (3.49)	564 (5.90)	. (.)
LUX	4080	0.08	4077	477 (3.98)	473 (3.85)	485 (2.56)	487 (3.10)	371 (17.87)
MEX	1071650	0.37	1067674	388 (4.96)	390 (3.39)	414 (4.37)	452 (8.98)	307 (7.25)
NLD	184943	3.18	179068	509 (4.34)	508 (4.31)	522 (2.99)	528 (5.11)	480 (11.34)
NZL	48638	1.14	48084	485 (6.61)	490 (4.41)	534 (2.87)	564 (4.25)	. (.)
NOR	52816	0.77	52407	460 (3.76)	471 (3.61)	521 (3.67)	549 (4.76)	453 (19.04)
POL	534900	.	534900	477 (4.41)	472 (3.28)	518 (3.29)	543 (5.27)	350 (26.31)
PRT	96857	0.23	96637	459 (4.62)	456 (4.76)	500 (3.76)	514 (5.04)	432 (17.81)
SVK	77067	0.04	77034	440 (5.71)	445 (3.81)	487 (2.84)	517 (4.96)	371 (26.23)
ESP	344372	0.07	344114	463 (3.25)	468 (3.36)	499 (3.03)	497 (5.29)	345 (18.62)
SWE	107104	0.27	106810	486 (5.19)	494 (4.36)	517 (2.98)	548 (3.68)	417 (16.88)
CHE	86491	0.14	86370	491 (4.21)	492 (4.03)	504 (4.14)	508 (4.68)	411 (18.32)
TUR	481279	0.03	481137	423 (5.15)	432 (4.82)	467 (7.76)	480 (10.34)	342 (8.43)
GBR	698579	3.61	673362	479 (4.40)	481 (4.05)	516 (3.28)	538 (3.66)	421 (16.50)
USA	3147089	0.76	3123066	460 (4.54)	466 (3.91)	508 (3.22)	537 (4.63)	365 (15.66)
TOT	.	1.34	.	467 (1.47)	469 (1.50)	503 (1.23)	522 (1.83)	356 (4.96)
AVG	.	1.24	.	473 (0.81)	475 (0.94)	509 (0.64)	525 (0.85)	385 (3.68)
HKG	72484	0.21	72334	488 (4.24)	502 (5.43)	526 (3.50)	532 (5.46)	. (.)
IDN	1971476	0.00	1971403	378 (6.69)	384 (3.26)	387 (4.21)	371 (9.15)	302 (8.69)
LVA	33643	0.23	33565	468 (6.67)	460 (4.49)	500 (3.69)	539 (5.20)	. (.)
LIE	338	.	338	515 (14.32)	524 (11.04)	530 (7.11)	522 (9.98)	. (.)
MAC	6546	.	6546	491 (5.62)	488 (3.96)	504 (3.87)	517 (6.54)	. (.)
RUS	2153373	0.02	2152991	419 (6.26)	415 (4.67)	454 (4.29)	485 (4.09)	321 (12.52)
YUG	68596	0.56	68211	396 (4.29)	400 (4.63)	424 (3.80)	438 (5.49)	340 (10.35)
THA	637076	.	637076	426 (3.56)	410 (2.81)	435 (4.33)	442 (8.96)	350 (19.98)
TUN	150875	0.16	150640	371 (3.69)	361 (3.44)	384 (3.85)	397 (5.45)	314 (9.25)
URY	33775	0.17	33718	411 (7.80)	415 (4.46)	455 (4.04)	474 (6.00)	331 (8.46)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I am just not good at Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	459 (4.55)	484 (2.42)	538 (2.04)	586 (3.33)	431 (11.55)
AUT	85931	1.08	85003	462 (4.40)	479 (3.96)	517 (3.88)	545 (4.06)	463 (18.35)
BEL	111831	1.79	109825	486 (3.98)	513 (3.40)	554 (2.56)	573 (4.03)	391 (22.33)
CAN	330436	9.70	298375	481 (2.56)	497 (2.26)	546 (1.99)	590 (2.16)	504 (7.66)
CZE	121183	4.09	116221	468 (4.40)	486 (3.27)	540 (3.46)	583 (4.46)	481 (24.29)
DNK	51741	0.65	51406	442 (4.44)	466 (3.92)	521 (2.95)	570 (3.35)	434 (13.67)
FIN	57884	0.07	57845	479 (2.80)	505 (2.66)	564 (1.75)	615 (3.62)	516 (15.61)
FRA	734579	0.87	728167	463 (3.82)	487 (3.63)	529 (2.84)	555 (3.93)	455 (11.50)
DEU	884358	5.57	835070	473 (5.43)	487 (4.85)	519 (3.32)	546 (4.22)	404 (11.24)
GRC	105131	0.13	104991	394 (4.39)	413 (3.77)	467 (4.15)	497 (5.46)	357 (15.17)
HUN	107044	0.06	106984	457 (3.53)	465 (3.22)	503 (3.22)	551 (5.96)	405 (16.17)
ISL	3928	0.63	3903	461 (2.82)	486 (2.92)	536 (2.28)	579 (3.24)	. (.)
IRL	54850	1.03	54285	451 (3.99)	478 (3.07)	517 (2.87)	558 (4.60)	384 (14.14)
ITA	481521	0.42	479499	433 (4.53)	446 (3.82)	485 (2.90)	507 (4.82)	400 (19.31)
JPN	1240054	0.10	1238855	498 (4.43)	535 (4.40)	557 (4.69)	546 (8.13)	. (.)
KOR	533504	0.02	533393	490 (4.19)	521 (3.47)	584 (3.88)	610 (5.99)	. (.)
LUX	4080	0.08	4077	463 (3.34)	475 (3.07)	500 (2.24)	525 (2.81)	430 (13.90)
MEX	1071650	0.37	1067674	357 (4.17)	371 (2.88)	403 (3.96)	448 (7.03)	305 (6.78)
NLD	184943	3.18	179068	507 (4.50)	524 (4.32)	555 (3.21)	576 (5.12)	481 (9.02)
NZL	48638	1.14	48084	458 (5.17)	478 (3.59)	540 (2.40)	590 (4.14)	. (.)
NOR	52816	0.77	52407	433 (2.63)	461 (3.05)	522 (2.81)	569 (3.62)	437 (13.20)
POL	534900	.	534900	446 (3.96)	459 (2.84)	519 (2.72)	564 (4.47)	366 (19.04)
PRT	96857	0.23	96637	424 (3.51)	442 (4.23)	495 (3.38)	526 (4.52)	426 (13.50)
SVK	77067	0.04	77034	444 (5.29)	465 (3.98)	523 (2.92)	570 (4.47)	412 (27.73)
ESP	344372	0.07	344114	449 (2.90)	467 (2.98)	512 (2.83)	523 (5.25)	379 (18.05)
SWE	107104	0.27	106810	447 (3.94)	471 (3.86)	513 (2.79)	571 (3.89)	427 (14.35)
CHE	86491	0.14	86370	486 (4.85)	500 (4.16)	535 (4.14)	561 (4.30)	449 (15.01)
TUR	481279	0.03	481137	384 (5.15)	408 (5.17)	459 (9.04)	492 (11.29)	325 (7.22)
GBR	698579	3.61	673362	457 (4.09)	470 (3.61)	520 (3.06)	564 (3.57)	431 (13.47)
USA	3147089	0.76	3123066	431 (4.11)	446 (3.32)	496 (2.82)	539 (4.62)	386 (14.66)
TOT	.	1.34	.	450 (1.45)	462 (1.31)	509 (1.12)	542 (1.70)	370 (4.68)
AVG	.	1.24	.	454 (0.82)	470 (0.81)	520 (0.64)	556 (0.77)	400 (3.33)
HKG	72484	0.21	72334	502 (4.75)	535 (6.10)	581 (4.52)	608 (6.64)	. (.)
IDN	1971476	0.00	1971403	343 (6.73)	360 (3.85)	374 (4.99)	363 (9.30)	282 (5.50)
LVA	33643	0.23	33565	436 (5.04)	444 (3.73)	497 (3.41)	551 (5.46)	. (.)
LIE	338	.	338	492 (15.34)	516 (10.77)	546 (7.27)	558 (10.80)	. (.)
MAC	6546	.	6546	493 (7.22)	507 (5.11)	544 (4.58)	581 (10.34)	. (.)
RUS	2153373	0.02	2152991	428 (5.77)	434 (4.25)	481 (4.29)	527 (5.05)	391 (9.08)
YUG	68596	0.56	68211	398 (5.30)	414 (4.01)	454 (3.82)	484 (5.16)	369 (9.26)
THA	637076	.	637076	405 (3.24)	404 (2.94)	444 (4.58)	465 (8.64)	377 (17.45)
TUN	150875	0.16	150640	335 (2.73)	341 (2.72)	373 (3.58)	403 (4.87)	315 (6.30)
URY	33775	0.17	33718	377 (4.11)	397 (3.80)	448 (3.45)	483 (4.48)	324 (8.24)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I am just not good at Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	472 (5.18)	488 (2.64)	537 (2.19)	579 (3.52)	435 (13.68)
AUT	85931	1.08	85003	465 (4.67)	470 (4.14)	500 (4.39)	520 (4.26)	442 (22.80)
BEL	111831	1.79	109825	482 (4.08)	497 (3.60)	529 (2.70)	541 (4.09)	364 (19.48)
CAN	330436	9.70	298375	471 (2.94)	486 (2.54)	532 (2.19)	573 (2.35)	491 (9.17)
CZE	121183	4.09	116221	484 (5.33)	497 (3.50)	544 (3.52)	577 (5.30)	487 (27.07)
DNK	51741	0.65	51406	412 (5.58)	434 (4.18)	479 (3.66)	528 (3.57)	391 (15.09)
FIN	57884	0.07	57845	496 (3.26)	511 (2.74)	566 (2.50)	607 (3.93)	511 (17.56)
FRA	734579	0.87	728167	472 (4.95)	488 (4.56)	527 (3.65)	552 (5.06)	435 (15.47)
DEU	884358	5.57	835070	482 (5.86)	490 (5.52)	519 (3.78)	539 (4.42)	387 (13.11)
GRC	105131	0.13	104991	444 (4.24)	457 (3.95)	499 (4.30)	520 (5.54)	395 (16.02)
HUN	107044	0.06	106984	486 (4.44)	485 (3.48)	512 (3.26)	547 (7.02)	406 (16.34)
ISL	3928	0.63	3903	450 (3.28)	468 (3.32)	514 (2.68)	551 (3.82)	. (.)
IRL	54850	1.03	54285	463 (4.24)	484 (3.68)	516 (3.34)	554 (5.93)	400 (16.87)
ITA	481521	0.42	479499	466 (5.21)	469 (4.37)	501 (3.19)	520 (5.22)	415 (22.04)
JPN	1240054	0.10	1238855	521 (5.18)	551 (4.67)	565 (4.84)	546 (8.63)	. (.)
KOR	533504	0.02	533393	500 (4.83)	520 (3.84)	574 (4.39)	591 (6.52)	. (.)
LUX	4080	0.08	4077	457 (3.97)	467 (3.95)	491 (2.60)	509 (3.58)	382 (17.75)
MEX	1071650	0.37	1067674	386 (4.13)	392 (2.91)	418 (3.72)	459 (8.09)	339 (6.76)
NLD	184943	3.18	179068	504 (4.93)	514 (4.85)	538 (3.58)	551 (5.99)	458 (12.44)
NZL	48638	1.14	48084	472 (7.38)	482 (3.86)	535 (2.72)	576 (4.51)	. (.)
NOR	52816	0.77	52407	428 (3.44)	449 (3.67)	510 (3.64)	557 (4.57)	406 (16.56)
POL	534900	.	534900	458 (4.99)	464 (3.52)	525 (3.31)	572 (5.72)	405 (19.13)
PRT	96857	0.23	96637	439 (4.20)	447 (4.55)	492 (3.54)	512 (4.91)	419 (15.45)
SVK	77067	0.04	77034	457 (5.54)	464 (4.41)	518 (3.14)	557 (5.01)	375 (30.81)
ESP	344372	0.07	344114	457 (3.01)	471 (3.42)	511 (3.07)	518 (6.59)	354 (22.12)
SWE	107104	0.27	106810	460 (4.73)	475 (4.36)	511 (3.56)	555 (4.34)	413 (17.62)
CHE	86491	0.14	86370	479 (5.86)	493 (4.86)	520 (4.59)	539 (4.91)	447 (16.89)
TUR	481279	0.03	481137	402 (5.24)	422 (4.64)	462 (8.14)	487 (10.57)	363 (8.17)
GBR	698579	3.61	673362	473 (4.69)	484 (4.51)	530 (3.30)	567 (4.22)	428 (14.75)
USA	3147089	0.76	3123066	447 (4.35)	458 (4.05)	504 (2.95)	541 (4.46)	390 (17.99)
TOT	.	1.34	.	466 (1.59)	472 (1.31)	513 (1.19)	540 (1.76)	382 (4.55)
AVG	.	1.24	.	464 (0.87)	475 (0.76)	517 (0.63)	544 (0.86)	399 (3.19)
HKG	72484	0.21	72334	504 (4.83)	528 (6.01)	562 (4.20)	582 (6.37)	. (.)
IDN	1971476	0.00	1971403	391 (5.33)	395 (3.20)	402 (3.90)	392 (8.65)	336 (5.62)
LVA	33643	0.23	33565	449 (5.30)	456 (3.94)	500 (3.74)	550 (6.32)	. (.)
LIE	338	.	338	494 (14.96)	512 (12.71)	533 (9.34)	538 (12.39)	. (.)
MAC	6546	.	6546	499 (7.97)	510 (5.30)	537 (4.97)	567 (10.94)	. (.)
RUS	2153373	0.02	2152991	455 (5.42)	459 (4.09)	501 (4.50)	543 (5.08)	376 (13.51)
YUG	68596	0.56	68211	412 (4.35)	417 (4.07)	447 (3.89)	472 (5.33)	393 (10.22)
THA	637076	.	637076	424 (3.54)	417 (2.94)	450 (4.40)	468 (8.52)	408 (18.81)
TUN	150875	0.16	150640	378 (3.01)	369 (3.20)	392 (3.91)	416 (5.48)	329 (7.58)
URY	33775	0.17	33718	405 (4.42)	418 (3.62)	459 (3.64)	488 (5.59)	343 (7.01)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I am just not good at Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	474 (4.82)	495 (2.31)	542 (1.97)	582 (3.16)	441 (10.96)
AUT	85931	1.08	85003	470 (4.05)	482 (3.84)	516 (3.90)	542 (4.01)	447 (20.33)
BEL	111831	1.79	109825	485 (4.01)	509 (3.53)	547 (2.49)	566 (3.85)	409 (14.62)
CAN	330436	9.70	298375	481 (2.63)	498 (2.02)	543 (1.88)	584 (2.09)	501 (7.72)
CZE	121183	4.09	116221	473 (4.94)	489 (3.25)	538 (3.31)	577 (4.37)	483 (28.26)
DNK	51741	0.65	51406	456 (4.20)	475 (4.09)	522 (2.51)	567 (3.14)	435 (13.94)
FIN	57884	0.07	57845	492 (2.99)	513 (2.65)	565 (1.94)	608 (3.23)	523 (14.25)
FRA	734579	0.87	728167	476 (4.39)	498 (4.06)	536 (2.91)	559 (4.16)	457 (14.00)
DEU	884358	5.57	835070	489 (5.12)	499 (4.79)	525 (3.43)	548 (4.04)	414 (13.01)
GRC	105131	0.13	104991	402 (4.33)	420 (3.81)	470 (4.51)	494 (5.75)	341 (15.79)
HUN	107044	0.06	106984	467 (3.72)	479 (2.93)	514 (3.49)	559 (6.16)	408 (16.11)
ISL	3928	0.63	3903	461 (2.86)	478 (2.94)	524 (2.26)	559 (2.70)	. (.)
IRL	54850	1.03	54285	455 (3.79)	478 (2.99)	511 (2.85)	544 (4.48)	378 (13.32)
ITA	481521	0.42	479499	439 (4.67)	451 (4.24)	488 (3.19)	510 (4.83)	376 (23.70)
JPN	1240054	0.10	1238855	511 (5.03)	547 (4.38)	570 (4.81)	561 (8.07)	. (.)
KOR	533504	0.02	533393	509 (4.39)	534 (3.34)	584 (3.52)	602 (5.92)	. (.)
LUX	4080	0.08	4077	467 (3.68)	477 (3.48)	500 (2.40)	519 (3.09)	443 (14.60)
MEX	1071650	0.37	1067674	362 (5.34)	370 (3.89)	402 (4.36)	447 (8.54)	297 (8.14)
NLD	184943	3.18	179068	490 (4.66)	505 (4.78)	535 (3.21)	553 (5.14)	455 (11.30)
NZL	48638	1.14	48084	477 (5.03)	493 (3.94)	547 (2.48)	590 (4.00)	. (.)
NOR	52816	0.77	52407	429 (2.98)	456 (3.76)	516 (3.17)	560 (4.56)	452 (13.78)
POL	534900	.	534900	453 (4.32)	459 (3.15)	511 (3.10)	551 (4.82)	346 (30.45)
PRT	96857	0.23	96637	430 (4.49)	446 (4.78)	499 (3.75)	524 (4.69)	432 (15.85)
SVK	77067	0.04	77034	441 (5.14)	460 (4.26)	515 (2.86)	560 (4.44)	422 (28.03)
ESP	344372	0.07	344114	451 (3.79)	464 (3.05)	508 (3.15)	515 (5.27)	373 (19.60)
SWE	107104	0.27	106810	458 (4.35)	479 (3.61)	513 (2.89)	558 (3.32)	418 (14.82)
CHE	86491	0.14	86370	487 (4.45)	499 (3.82)	529 (3.76)	549 (4.30)	437 (16.55)
TUR	481279	0.03	481137	376 (5.46)	394 (4.78)	440 (7.39)	467 (10.18)	300 (8.50)
GBR	698579	3.61	673362	463 (4.42)	475 (4.05)	522 (2.98)	558 (4.12)	442 (13.44)
USA	3147089	0.76	3123066	427 (4.42)	440 (3.65)	492 (3.05)	531 (4.77)	373 (15.36)
TOT	.	1.34	.	455 (1.67)	464 (1.53)	508 (1.18)	538 (1.79)	362 (5.07)
AVG	.	1.24	.	459 (0.89)	472 (0.90)	519 (0.63)	549 (0.84)	396 (3.50)
HKG	72484	0.21	72334	510 (4.47)	535 (5.87)	572 (4.29)	598 (5.57)	. (.)
IDN	1971476	0.00	1971403	353 (6.03)	363 (3.31)	369 (4.07)	360 (8.47)	290 (6.63)
LVA	33643	0.23	33565	439 (6.73)	444 (4.34)	496 (3.85)	548 (5.43)	. (.)
LIE	338	.	338	493 (14.81)	516 (10.93)	536 (7.28)	549 (9.76)	. (.)
MAC	6546	.	6546	504 (6.94)	519 (4.80)	546 (3.93)	568 (8.96)	. (.)
RUS	2153373	0.02	2152991	438 (5.90)	444 (5.40)	492 (4.95)	536 (5.36)	376 (10.97)
YUG	68596	0.56	68211	393 (5.42)	402 (3.95)	436 (3.46)	456 (5.44)	345 (10.24)
THA	637076	.	637076	420 (2.86)	413 (3.01)	447 (4.26)	469 (10.50)	359 (20.36)
TUN	150875	0.16	150640	329 (2.82)	329 (3.19)	357 (3.02)	377 (4.08)	304 (6.65)
URY	33775	0.17	33718	368 (5.67)	386 (4.66)	436 (3.96)	469 (6.10)	307 (9.64)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very tense when I have to do Mathematics homework.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	5.06 (0.23)	22.34 (0.52)	56.42 (0.55)	15.05 (0.47)	1.13 (0.14)
AUT	85931	1.08	85003	8.34 (0.49)	20.83 (0.78)	39.20 (0.89)	29.92 (0.98)	1.71 (0.64)
BEL	111831	1.79	109825	7.10 (0.33)	19.91 (0.47)	50.59 (0.63)	19.19 (0.59)	3.22 (0.49)
CAN	330436	9.70	298375	8.62 (0.30)	23.16 (0.44)	46.49 (0.55)	19.83 (0.46)	1.90 (0.14)
CZE	121183	4.09	116221	4.60 (0.36)	15.16 (0.56)	58.42 (0.84)	20.39 (0.71)	1.44 (0.33)
DNK	51741	0.65	51406	5.72 (0.42)	19.87 (0.58)	46.01 (0.76)	26.35 (0.75)	2.04 (0.25)
FIN	57884	0.07	57845	1.24 (0.16)	5.46 (0.34)	52.41 (0.75)	40.22 (0.76)	0.66 (0.12)
FRA	734579	0.87	728167	18.76 (0.66)	33.38 (0.79)	33.82 (0.77)	12.04 (0.55)	1.99 (0.23)
DEU	884358	5.57	835070	8.02 (0.50)	20.88 (0.56)	41.15 (0.75)	27.67 (0.68)	2.28 (0.27)
GRC	105131	0.13	104991	7.88 (0.49)	26.64 (0.76)	45.48 (0.66)	18.04 (0.76)	1.95 (0.25)
HUN	107044	0.06	106984	4.35 (0.27)	14.26 (0.65)	56.13 (0.79)	24.14 (0.69)	1.12 (0.17)
ISL	3928	0.63	3903	5.27 (0.38)	13.47 (0.63)	48.33 (0.99)	32.35 (0.81)	0.59 (.)
IRL	54850	1.03	54285	7.77 (0.39)	22.05 (0.76)	53.95 (0.78)	14.56 (0.70)	1.67 (0.25)
ITA	481521	0.42	479499	7.27 (0.39)	20.26 (0.75)	50.06 (0.77)	21.46 (0.58)	0.95 (0.11)
JPN	1240054	0.10	1238855	22.31 (0.77)	28.79 (0.76)	39.13 (0.90)	8.98 (0.44)	0.79 (0.21)
KOR	533504	0.02	533393	6.99 (0.39)	26.02 (0.62)	53.70 (0.69)	12.84 (0.52)	0.46 (.)
LUX	4080	0.08	4077	10.94 (0.52)	17.65 (0.63)	37.81 (0.64)	31.72 (0.63)	1.88 (0.25)
MEX	1071650	0.37	1067674	9.66 (0.41)	32.53 (0.81)	39.45 (0.74)	11.20 (0.78)	7.15 (0.56)
NLD	184943	3.26	178914	1.34 (0.18)	5.52 (0.43)	60.50 (0.91)	31.11 (0.89)	1.53 (0.32)
NZL	48638	1.16	48073	4.51 (0.40)	19.68 (0.66)	57.80 (0.87)	17.32 (0.58)	0.69 (.)
NOR	52816	0.77	52407	11.37 (0.56)	25.23 (0.83)	43.66 (0.94)	17.84 (0.66)	1.91 (0.36)
POL	534900	.	534900	6.12 (0.43)	23.27 (0.73)	53.47 (0.82)	15.97 (0.58)	1.18 (0.23)
PRT	96857	0.23	96637	5.56 (0.41)	16.06 (0.74)	54.00 (0.84)	22.76 (0.71)	1.62 (0.26)
SVK	77067	0.04	77034	4.84 (0.39)	20.13 (0.67)	57.18 (0.71)	16.19 (0.62)	1.67 (0.49)
ESP	344372	0.07	344114	9.52 (0.43)	26.16 (0.70)	48.06 (0.80)	14.49 (0.55)	1.76 (0.21)
SWE	107104	0.27	106810	2.51 (0.25)	11.62 (0.57)	50.70 (0.83)	33.77 (0.81)	1.41 (0.21)
CHE	86491	0.14	86370	6.60 (0.40)	19.00 (0.67)	44.11 (0.83)	28.24 (0.86)	2.06 (0.24)
TUR	481279	0.03	481137	14.18 (0.73)	32.52 (1.10)	32.04 (1.19)	14.50 (0.94)	6.75 (0.72)
GBR	698579	3.61	673362	5.66 (0.36)	21.52 (0.55)	54.74 (0.73)	16.32 (0.64)	1.75 (0.21)
USA	3147089	0.76	3123066	9.56 (0.42)	23.59 (0.53)	46.86 (0.69)	17.73 (0.61)	2.26 (0.27)
TOT	.	1.34	.	10.35 (0.15)	24.77 (0.22)	45.58 (0.23)	16.91 (0.21)	2.39 (0.10)
AVG	.	1.25	.	7.73 (0.08)	20.91 (0.12)	48.38 (0.14)	21.06 (0.15)	1.92 (0.06)
HKG	72484	0.21	72334	6.51 (0.43)	22.40 (0.58)	58.53 (0.66)	12.13 (0.64)	0.43 (.)
IDN	1971476	0.00	1971403	5.28 (0.31)	31.99 (0.98)	52.65 (0.99)	6.03 (0.38)	4.04 (0.45)
LVA	33643	0.23	33565	5.34 (0.41)	26.82 (0.99)	54.62 (1.03)	12.16 (0.69)	1.06 (0.21)
LIE	338	.	338	3.90 (.)	15.12 (2.00)	49.15 (2.74)	31.23 (2.51)	0.59 (.)
MAC	6546	.	6546	6.49 (0.74)	25.38 (1.49)	54.44 (1.58)	13.22 (1.26)	0.47 (.)
RUS	2153373	0.02	2152991	6.56 (0.39)	31.34 (0.84)	49.69 (1.12)	10.02 (0.41)	2.39 (0.23)
YUG	68596	0.60	68187	10.74 (0.63)	31.11 (1.03)	41.45 (1.12)	9.78 (0.56)	6.92 (0.75)
THA	637076	.	637076	9.08 (0.50)	44.48 (1.06)	41.46 (1.06)	4.00 (0.31)	0.98 (0.18)
TUN	150875	0.16	150640	30.36 (0.80)	30.54 (0.65)	22.59 (0.69)	10.65 (0.49)	5.86 (0.42)
URY	33775	0.17	33718	9.79 (0.44)	24.29 (0.80)	42.86 (0.70)	17.32 (0.76)	5.75 (0.41)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very tense when I have to do Mathematics homework.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	488 (5.93)	510 (3.54)	531 (1.92)	554 (3.24)	396 (10.45)
AUT	85931	1.08	85003	471 (6.04)	486 (5.24)	496 (3.70)	502 (4.97)	467 (19.70)
BEL	111831	1.79	109825	477 (5.89)	492 (4.72)	525 (2.56)	530 (3.87)	343 (22.07)
CAN	330436	9.70	298375	503 (3.45)	512 (2.33)	536 (1.73)	560 (2.71)	483 (9.27)
CZE	121183	4.09	116221	446 (7.85)	457 (4.17)	501 (2.79)	526 (3.50)	440 (18.68)
DNK	51741	0.65	51406	456 (7.22)	465 (4.19)	497 (3.24)	521 (3.40)	408 (16.18)
FIN	57884	0.07	57845	488 (12.24)	510 (5.65)	537 (1.81)	559 (2.22)	505 (19.64)
FRA	734579	0.87	728167	491 (4.50)	496 (3.19)	506 (3.63)	500 (4.41)	413 (16.45)
DEU	884358	5.57	835070	467 (8.23)	486 (4.68)	508 (3.63)	522 (4.06)	380 (13.13)
GRC	105131	0.13	104991	457 (8.25)	459 (4.45)	481 (4.16)	491 (6.24)	346 (20.57)
HUN	107044	0.06	106984	457 (7.46)	461 (4.83)	482 (2.72)	505 (4.41)	361 (17.92)
ISL	3928	0.63	3903	454 (8.00)	460 (5.05)	492 (2.16)	515 (2.95)	. (.)
IRL	54850	1.03	54285	482 (5.62)	504 (3.33)	520 (3.05)	543 (4.48)	415 (16.82)
ITA	481521	0.42	479499	440 (6.61)	445 (5.45)	485 (2.80)	501 (3.61)	364 (16.89)
JPN	1240054	0.10	1238855	475 (5.13)	501 (4.30)	515 (4.47)	489 (7.68)	358 (30.23)
KOR	533504	0.02	533393	518 (5.98)	522 (3.69)	539 (3.25)	549 (4.67)	. (.)
LUX	4080	0.08	4077	460 (5.85)	460 (4.23)	491 (2.39)	490 (2.67)	358 (14.33)
MEX	1071650	0.37	1067674	385 (5.62)	387 (3.89)	416 (3.94)	444 (8.04)	321 (7.59)
NLD	184943	3.26	178914	481 (12.01)	493 (7.47)	518 (2.88)	523 (3.85)	481 (12.92)
NZL	48638	1.16	48073	474 (9.60)	496 (4.49)	528 (2.47)	556 (3.95)	. (.)
NOR	52816	0.77	52407	448 (4.99)	484 (4.05)	511 (2.97)	538 (5.25)	433 (20.01)
POL	534900	.	534900	461 (6.71)	464 (4.08)	507 (2.95)	534 (4.08)	350 (22.40)
PRT	96857	0.23	96637	443 (7.01)	446 (6.17)	483 (3.82)	499 (4.08)	435 (14.62)
SVK	77067	0.04	77034	408 (8.68)	435 (4.35)	480 (3.36)	503 (4.14)	381 (23.94)
ESP	344372	0.07	344114	453 (5.24)	466 (3.09)	494 (2.92)	496 (4.34)	358 (13.35)
SWE	107104	0.27	106810	462 (12.88)	494 (5.25)	511 (2.56)	536 (2.98)	412 (16.14)
CHE	86491	0.14	86370	475 (5.63)	482 (4.10)	504 (4.20)	515 (4.37)	402 (14.07)
TUR	481279	0.03	481137	424 (5.10)	423 (4.98)	466 (7.06)	483 (10.58)	353 (6.34)
GBR	698579	3.61	673362	484 (6.65)	495 (4.06)	508 (2.85)	535 (4.30)	396 (12.03)
USA	3147089	0.76	3123066	456 (5.25)	475 (4.16)	506 (2.88)	534 (5.41)	372 (14.05)
TOT	.	1.34	.	461 (1.89)	470 (1.45)	501 (1.17)	519 (1.79)	364 (4.44)
AVG	.	1.25	.	462 (1.21)	473 (0.89)	504 (0.65)	520 (0.85)	384 (3.24)
HKG	72484	0.21	72334	485 (6.34)	490 (6.07)	518 (3.43)	524 (5.02)	. (.)
IDN	1971476	0.00	1971403	356 (9.05)	376 (3.28)	392 (3.53)	395 (7.15)	306 (8.56)
LVA	33643	0.23	33565	469 (8.79)	462 (4.53)	501 (3.56)	526 (7.60)	398 (18.85)
LIE	338	.	338	. (.)	502 (13.02)	525 (6.67)	537 (8.45)	. (.)
MAC	6546	.	6546	478 (8.40)	489 (4.81)	500 (3.04)	516 (7.93)	. (.)
RUS	2153373	0.02	2152991	421 (7.22)	417 (4.50)	458 (3.81)	483 (5.36)	332 (11.47)
YUG	68596	0.60	68187	394 (5.86)	400 (3.50)	430 (3.86)	444 (5.45)	347 (9.43)
THA	637076	.	637076	426 (4.12)	413 (3.18)	425 (3.82)	438 (7.32)	361 (18.37)
TUN	150875	0.16	150640	380 (3.51)	374 (3.61)	378 (4.18)	378 (5.20)	335 (8.27)
URY	33775	0.17	33718	410 (8.03)	417 (5.14)	448 (3.72)	468 (5.60)	339 (7.41)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very tense when I have to do Mathematics homework.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	463 (5.45)	496 (3.40)	531 (1.95)	570 (2.95)	419 (10.43)
AUT	85931	1.08	85003	458 (5.68)	488 (4.71)	511 (3.12)	532 (4.69)	468 (11.36)
BEL	111831	1.79	109825	478 (5.21)	505 (4.14)	549 (2.41)	564 (3.87)	383 (20.47)
CAN	330436	9.70	298375	487 (3.42)	505 (2.31)	542 (1.75)	583 (2.65)	500 (7.16)
CZE	121183	4.09	116221	449 (6.98)	469 (4.35)	527 (3.26)	569 (3.82)	471 (18.99)
DNK	51741	0.65	51406	449 (6.12)	472 (3.70)	516 (2.89)	565 (3.71)	436 (13.55)
FIN	57884	0.07	57845	469 (14.92)	493 (4.34)	531 (1.89)	572 (2.52)	508 (16.74)
FRA	734579	0.87	728167	492 (4.21)	509 (2.86)	525 (2.74)	526 (4.85)	444 (13.80)
DEU	884358	5.57	835070	459 (7.74)	486 (4.37)	517 (3.46)	545 (4.10)	413 (10.59)
GRC	105131	0.13	104991	400 (5.71)	420 (3.94)	455 (3.97)	486 (5.55)	360 (12.71)
HUN	107044	0.06	106984	444 (6.07)	458 (5.44)	489 (2.72)	524 (4.25)	402 (16.19)
ISL	3928	0.63	3903	459 (5.70)	474 (4.38)	512 (2.10)	549 (2.69)	. (.)
IRL	54850	1.03	54285	448 (5.40)	484 (2.90)	509 (2.90)	546 (4.42)	413 (12.33)
ITA	481521	0.42	479499	414 (6.24)	428 (4.27)	475 (3.01)	501 (3.95)	391 (14.24)
JPN	1240054	0.10	1238855	499 (4.72)	533 (4.23)	556 (4.58)	539 (8.28)	444 (24.13)
KOR	533504	0.02	533393	501 (5.58)	518 (3.73)	552 (3.45)	578 (4.50)	. (.)
LUX	4080	0.08	4077	452 (4.00)	471 (3.84)	500 (1.95)	516 (2.29)	427 (11.30)
MEX	1071650	0.37	1067674	357 (4.32)	367 (3.30)	404 (3.71)	443 (6.58)	316 (6.23)
NLD	184943	3.26	178914	477 (13.65)	500 (7.51)	543 (3.12)	557 (3.63)	474 (9.56)
NZL	48638	1.16	48073	457 (7.57)	488 (4.64)	529 (2.27)	575 (4.28)	. (.)
NOR	52816	0.77	52407	431 (3.92)	472 (3.44)	507 (2.76)	549 (3.98)	432 (13.51)
POL	534900	.	534900	435 (5.65)	451 (3.40)	499 (2.56)	549 (3.83)	365 (16.63)
PRT	96857	0.23	96637	410 (6.42)	427 (4.93)	472 (3.52)	496 (4.03)	429 (11.28)
SVK	77067	0.04	77034	419 (9.01)	455 (4.25)	510 (3.18)	543 (3.53)	421 (24.88)
ESP	344372	0.07	344114	438 (4.06)	464 (3.01)	500 (2.61)	517 (4.62)	386 (13.20)
SWE	107104	0.27	106810	434 (11.42)	464 (4.96)	500 (2.44)	548 (3.56)	422 (14.00)
CHE	86491	0.14	86370	476 (5.80)	497 (3.95)	531 (4.59)	557 (4.59)	443 (11.45)
TUR	481279	0.03	481137	389 (5.08)	396 (5.13)	457 (7.88)	489 (12.31)	330 (6.68)
GBR	698579	3.61	673362	463 (6.40)	487 (3.69)	510 (2.66)	554 (4.05)	405 (11.14)
USA	3147089	0.76	3123066	428 (4.55)	456 (3.27)	493 (2.72)	536 (5.52)	391 (11.71)
TOT	.	1.34	.	450 (1.86)	464 (1.31)	502 (1.06)	534 (1.69)	376 (3.92)
AVG	.	1.25	.	449 (1.24)	468 (0.87)	510 (0.62)	542 (0.78)	398 (2.92)
HKG	72484	0.21	72334	495 (6.81)	518 (6.42)	562 (4.29)	588 (6.72)	. (.)
IDN	1971476	0.00	1971403	323 (5.28)	349 (3.87)	374 (4.28)	385 (8.50)	280 (6.62)
LVA	33643	0.23	33565	433 (6.44)	448 (4.10)	494 (3.40)	543 (8.00)	396 (16.96)
LIE	338	.	338	. (.)	492 (14.46)	534 (6.58)	563 (8.98)	. (.)
MAC	6546	.	6546	475 (7.93)	504 (5.78)	534 (3.90)	571 (11.53)	. (.)
RUS	2153373	0.02	2152991	426 (5.85)	439 (4.24)	485 (4.29)	525 (5.54)	391 (7.68)
YUG	68596	0.60	68187	401 (5.18)	419 (3.69)	460 (3.78)	484 (5.83)	370 (8.69)
THA	637076	.	637076	407 (4.00)	407 (3.09)	427 (4.13)	450 (6.93)	378 (16.15)
TUN	150875	0.16	150640	350 (3.18)	357 (3.03)	371 (3.93)	378 (4.57)	334 (5.48)
URY	33775	0.17	33718	376 (5.32)	397 (3.62)	439 (3.75)	472 (4.94)	332 (7.54)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very tense when I have to do Mathematics homework.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	472 (6.08)	500 (3.24)	531 (2.05)	567 (3.14)	419 (11.79)
AUT	85931	1.08	85003	457 (5.81)	478 (5.17)	496 (3.63)	511 (4.91)	449 (13.60)
BEL	111831	1.79	109825	469 (5.61)	489 (4.51)	527 (2.45)	536 (3.92)	356 (17.83)
CAN	330436	9.70	298375	474 (3.56)	493 (2.76)	529 (1.94)	567 (2.80)	476 (8.21)
CZE	121183	4.09	116221	465 (8.34)	481 (4.85)	533 (3.17)	568 (4.11)	480 (18.91)
DNK	51741	0.65	51406	413 (7.57)	436 (4.13)	477 (3.37)	523 (3.90)	393 (16.97)
FIN	57884	0.07	57845	477 (16.51)	502 (5.70)	537 (2.10)	572 (2.58)	506 (18.78)
FRA	734579	0.87	728167	500 (5.20)	509 (3.62)	524 (3.57)	521 (5.69)	431 (18.03)
DEU	884358	5.57	835070	466 (9.13)	487 (4.95)	518 (3.79)	542 (4.37)	398 (12.60)
GRC	105131	0.13	104991	454 (7.04)	461 (4.10)	489 (3.79)	512 (5.66)	405 (14.70)
HUN	107044	0.06	106984	473 (7.79)	482 (5.02)	502 (2.71)	530 (4.89)	396 (15.83)
ISL	3928	0.63	3903	453 (6.54)	457 (4.89)	492 (2.41)	524 (2.96)	. (.)
IRL	54850	1.03	54285	461 (6.25)	488 (3.25)	510 (3.13)	545 (5.05)	422 (12.79)
ITA	481521	0.42	479499	441 (7.25)	451 (4.91)	495 (3.07)	519 (4.33)	403 (14.08)
JPN	1240054	0.10	1238855	518 (5.15)	547 (4.22)	567 (4.79)	546 (8.82)	458 (28.91)
KOR	533504	0.02	533393	514 (6.21)	519 (4.51)	545 (3.86)	565 (5.17)	. (.)
LUX	4080	0.08	4077	444 (5.42)	459 (3.74)	492 (2.48)	505 (3.19)	375 (14.18)
MEX	1071650	0.37	1067674	384 (3.85)	390 (3.32)	420 (3.36)	452 (7.37)	344 (6.98)
NLD	184943	3.26	178914	467 (15.04)	491 (8.35)	530 (3.28)	538 (4.33)	454 (14.37)
NZL	48638	1.16	48073	468 (7.82)	489 (4.91)	526 (2.38)	565 (4.35)	. (.)
NOR	52816	0.77	52407	420 (5.08)	460 (4.16)	497 (3.34)	539 (4.51)	397 (17.02)
POL	534900	.	534900	449 (7.67)	454 (4.22)	507 (2.82)	557 (4.56)	410 (16.70)
PRT	96857	0.23	96637	429 (7.16)	435 (5.68)	474 (3.47)	490 (3.98)	425 (11.35)
SVK	77067	0.04	77034	428 (10.00)	457 (5.19)	506 (3.61)	536 (4.63)	381 (32.59)
ESP	344372	0.07	344114	448 (4.75)	467 (3.30)	502 (3.06)	513 (4.89)	374 (15.70)
SWE	107104	0.27	106810	448 (12.55)	476 (5.73)	500 (2.83)	535 (3.49)	403 (18.06)
CHE	86491	0.14	86370	470 (6.73)	486 (4.50)	518 (5.01)	539 (4.79)	437 (12.74)
TUR	481279	0.03	481137	405 (5.37)	413 (4.66)	460 (7.43)	485 (11.11)	366 (6.78)
GBR	698579	3.61	673362	482 (7.55)	500 (4.20)	521 (2.79)	559 (4.65)	402 (12.57)
USA	3147089	0.76	3123066	444 (5.26)	466 (4.23)	501 (2.86)	540 (5.47)	392 (16.33)
TOT	.	1.34	.	466 (2.12)	474 (1.38)	508 (1.06)	534 (1.75)	385 (4.53)
AVG	.	1.25	.	459 (1.35)	472 (0.85)	509 (0.60)	534 (0.84)	398 (2.96)
HKG	72484	0.21	72334	500 (7.21)	512 (6.21)	549 (4.09)	569 (5.68)	. (.)
IDN	1971476	0.00	1971403	380 (4.92)	388 (3.63)	403 (3.53)	412 (6.83)	341 (6.41)
LVA	33643	0.23	33565	448 (7.36)	457 (3.88)	500 (3.74)	540 (8.06)	397 (15.05)
LIE	338	.	338	. (.)	486 (15.16)	524 (7.13)	548 (9.02)	. (.)
MAC	6546	.	6546	478 (11.45)	507 (6.09)	530 (3.83)	563 (11.52)	. (.)
RUS	2153373	0.02	2152991	459 (5.63)	460 (4.28)	506 (4.06)	539 (6.41)	394 (9.52)
YUG	68596	0.60	68187	411 (5.31)	421 (3.48)	453 (4.00)	476 (5.93)	393 (9.77)
THA	637076	.	637076	423 (4.14)	420 (3.03)	438 (3.73)	461 (7.07)	394 (16.17)
TUN	150875	0.16	150640	388 (3.07)	382 (3.18)	388 (4.51)	394 (4.71)	352 (7.05)
URY	33775	0.17	33718	406 (5.65)	416 (3.76)	454 (3.39)	479 (5.34)	351 (6.00)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very tense when I have to do Mathematics homework.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	478 (5.48)	506 (3.58)	536 (1.82)	570 (2.67)	430 (10.57)
AUT	85931	1.08	85003	466 (5.20)	489 (4.71)	512 (3.08)	530 (4.42)	457 (12.13)
BEL	111831	1.79	109825	474 (5.37)	500 (4.08)	543 (2.30)	558 (3.77)	403 (13.71)
CAN	330436	9.70	298375	486 (3.64)	506 (2.25)	539 (1.66)	577 (2.76)	495 (7.04)
CZE	121183	4.09	116221	453 (8.16)	474 (4.44)	528 (3.03)	563 (3.65)	475 (20.60)
DNK	51741	0.65	51406	457 (5.95)	479 (3.49)	518 (2.58)	564 (3.63)	439 (14.32)
FIN	57884	0.07	57845	480 (13.31)	506 (4.33)	536 (1.90)	571 (2.50)	516 (15.92)
FRA	734579	0.87	728167	503 (4.13)	518 (3.17)	533 (3.07)	531 (4.71)	446 (15.95)
DEU	884358	5.57	835070	473 (7.61)	497 (4.42)	525 (3.42)	548 (3.92)	419 (11.19)
GRC	105131	0.13	104991	408 (5.85)	427 (3.88)	459 (4.34)	482 (6.00)	343 (13.26)
HUN	107044	0.06	106984	454 (6.39)	470 (4.86)	500 (2.88)	534 (4.51)	406 (14.01)
ISL	3928	0.63	3903	459 (6.08)	470 (4.52)	502 (1.90)	534 (2.56)	. (.)
IRL	54850	1.03	54285	452 (4.99)	481 (2.76)	505 (2.82)	534 (4.03)	405 (11.94)
ITA	481521	0.42	479499	417 (6.21)	430 (4.82)	481 (2.95)	505 (3.89)	361 (16.26)
JPN	1240054	0.10	1238855	510 (4.89)	547 (4.08)	569 (4.61)	556 (8.30)	433 (33.33)
KOR	533504	0.02	533393	519 (5.46)	531 (3.92)	558 (3.29)	578 (4.29)	. (.)
LUX	4080	0.08	4077	458 (4.74)	470 (3.47)	501 (2.48)	514 (2.44)	431 (11.24)
MEX	1071650	0.37	1067674	357 (5.75)	366 (4.14)	403 (4.21)	441 (7.99)	312 (7.33)
NLD	184943	3.26	178914	465 (12.65)	484 (7.61)	524 (3.31)	535 (3.62)	450 (12.85)
NZL	48638	1.16	48073	472 (8.06)	502 (4.76)	538 (2.16)	577 (3.73)	. (.)
NOR	52816	0.77	52407	422 (4.33)	466 (4.07)	503 (2.69)	542 (5.29)	437 (15.07)
POL	534900	.	534900	442 (6.45)	451 (3.66)	495 (2.76)	539 (4.08)	346 (26.56)
PRT	96857	0.23	96637	416 (6.92)	434 (5.62)	476 (3.93)	497 (4.71)	433 (13.52)
SVK	77067	0.04	77034	411 (9.16)	448 (4.36)	504 (3.28)	534 (3.80)	432 (25.64)
ESP	344372	0.07	344114	441 (5.04)	461 (3.25)	497 (2.77)	511 (4.83)	375 (14.89)
SWE	107104	0.27	106810	441 (11.19)	473 (5.06)	503 (2.59)	539 (2.98)	420 (14.93)
CHE	86491	0.14	86370	475 (5.77)	495 (3.73)	525 (4.09)	550 (4.23)	432 (13.12)
TUR	481279	0.03	481137	378 (5.20)	385 (4.96)	438 (6.79)	465 (10.60)	314 (6.29)
GBR	698579	3.61	673362	470 (6.26)	491 (3.95)	512 (2.50)	549 (4.33)	414 (11.37)
USA	3147089	0.76	3123066	423 (4.65)	451 (3.91)	488 (2.81)	529 (5.60)	379 (12.40)
TOT	.	1.34	.	454 (1.92)	466 (1.61)	503 (1.08)	530 (1.70)	369 (4.26)
AVG	.	1.25	.	453 (1.28)	471 (0.93)	510 (0.64)	537 (0.76)	394 (3.13)
HKG	72484	0.21	72334	505 (6.52)	518 (6.63)	558 (3.86)	580 (5.78)	. (.)
IDN	1971476	0.00	1971403	332 (5.36)	354 (3.46)	372 (3.71)	379 (6.88)	293 (6.18)
LVA	33643	0.23	33565	436 (7.65)	448 (4.62)	494 (3.59)	536 (8.23)	377 (18.01)
LIE	338	.	338	. (.)	490 (13.91)	528 (6.35)	554 (8.89)	. (.)
MAC	6546	.	6546	485 (8.64)	515 (6.41)	539 (3.90)	563 (9.96)	. (.)
RUS	2153373	0.02	2152991	439 (7.00)	447 (5.02)	497 (4.48)	533 (5.62)	384 (12.10)
YUG	68596	0.60	68187	396 (5.78)	405 (3.31)	442 (3.40)	456 (5.86)	350 (8.90)
THA	637076	.	637076	421 (3.57)	416 (3.23)	435 (3.72)	453 (8.26)	361 (18.80)
TUN	150875	0.16	150640	340 (3.06)	343 (2.81)	353 (3.59)	360 (4.89)	319 (5.87)
URY	33775	0.17	33718	363 (6.23)	383 (4.28)	430 (4.03)	459 (6.04)	317 (8.04)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get good <marks> in Mathematics.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	12.27 (0.42)	51.35 (0.67)	27.86 (0.60)	6.70 (0.42)	1.81 (0.16)
AUT	85931	1.08	85003	16.67 (0.71)	40.89 (1.03)	29.39 (0.84)	10.87 (0.58)	2.18 (0.64)
BEL	111831	1.79	109825	12.92 (0.50)	45.99 (0.77)	26.49 (0.55)	10.06 (0.41)	4.54 (0.50)
CAN	330436	9.70	298375	18.83 (0.47)	43.26 (0.59)	26.57 (0.48)	9.27 (0.26)	2.07 (0.14)
CZE	121183	4.09	116221	8.80 (0.43)	45.39 (0.98)	34.28 (0.94)	9.86 (0.56)	1.67 (0.36)
DNK	51741	0.65	51406	17.48 (0.72)	49.22 (0.82)	22.14 (0.65)	6.66 (0.40)	4.49 (0.37)
FIN	57884	0.07	57845	15.00 (0.59)	40.43 (0.83)	31.50 (0.75)	12.22 (0.56)	0.85 (0.14)
FRA	734579	0.87	728167	9.46 (0.50)	37.19 (0.82)	31.74 (0.90)	18.78 (0.63)	2.84 (0.24)
DEU	884358	5.57	835070	19.54 (0.67)	37.75 (0.89)	28.87 (0.73)	11.22 (0.55)	2.62 (0.31)
GRC	105131	0.13	104991	16.61 (0.67)	45.16 (0.92)	29.31 (0.98)	7.15 (0.43)	1.77 (0.25)
HUN	107044	0.06	106984	8.30 (0.53)	32.80 (0.89)	43.83 (0.90)	13.93 (0.62)	1.14 (0.19)
ISL	3928	0.63	3903	16.07 (0.68)	38.33 (0.74)	29.22 (0.82)	14.94 (0.63)	1.44 (0.21)
IRL	54850	1.03	54285	9.11 (0.48)	50.06 (1.04)	30.09 (0.80)	8.85 (0.56)	1.89 (0.27)
ITA	481521	0.42	479499	11.80 (0.52)	43.08 (0.80)	29.94 (0.64)	13.99 (0.74)	1.20 (0.15)
JPN	1240054	0.10	1238855	4.86 (0.32)	23.05 (0.76)	46.87 (0.88)	24.12 (0.73)	1.10 (0.27)
KOR	533504	0.02	533393	7.50 (0.48)	28.10 (0.80)	44.41 (0.77)	19.67 (0.87)	0.33 (.)
LUX	4080	0.08	4077	18.90 (0.60)	40.14 (0.76)	25.85 (0.75)	12.57 (0.49)	2.54 (0.24)
MEX	1071650	0.37	1067674	17.40 (0.94)	43.28 (0.74)	27.12 (0.80)	5.36 (0.39)	6.84 (0.58)
NLD	184943	3.29	178867	12.05 (0.69)	48.21 (0.92)	26.51 (0.89)	10.06 (0.61)	3.16 (0.37)
NZL	48638	1.13	48088	11.16 (0.55)	58.53 (0.83)	23.52 (0.77)	5.49 (0.35)	1.30 (0.19)
NOR	52816	0.77	52407	12.04 (0.60)	35.00 (0.85)	31.93 (0.69)	18.32 (0.67)	2.71 (0.38)
POL	534900	.	534900	12.09 (0.53)	46.21 (0.89)	34.06 (0.94)	6.24 (0.47)	1.41 (0.24)
PRT	96857	0.23	96637	6.72 (0.45)	39.39 (0.79)	36.21 (0.72)	15.60 (0.62)	2.07 (0.32)
SVK	77067	0.04	77034	9.24 (0.50)	47.65 (0.91)	33.83 (0.79)	6.92 (0.43)	2.37 (0.53)
ESP	344372	0.07	344114	10.24 (0.49)	35.63 (0.83)	33.15 (0.77)	19.13 (0.69)	1.85 (0.20)
SWE	107104	0.27	106810	13.93 (0.68)	43.78 (0.75)	32.22 (0.77)	7.81 (0.46)	2.27 (0.27)
CHE	86491	0.14	86370	17.40 (0.86)	41.49 (0.81)	27.34 (0.79)	10.20 (0.43)	3.56 (0.25)
TUR	481279	0.03	481137	13.65 (0.79)	35.99 (1.01)	32.85 (0.95)	10.63 (0.65)	6.87 (0.80)
GBR	698579	3.61	673362	10.38 (0.51)	56.19 (0.73)	25.46 (0.61)	5.49 (0.44)	2.48 (0.22)
USA	3147089	0.76	3123066	21.53 (0.74)	49.19 (0.77)	20.89 (0.71)	6.13 (0.36)	2.26 (0.22)
TOT	.	1.34	.	14.55 (0.23)	41.86 (0.26)	29.88 (0.27)	11.07 (0.17)	2.64 (0.09)
AVG	.	1.25	.	13.04 (0.11)	42.39 (0.15)	30.82 (0.15)	11.29 (0.10)	2.45 (0.07)
HKG	72484	0.21	72334	3.57 (0.29)	21.46 (0.79)	51.32 (0.75)	23.42 (0.79)	0.23 (.)
IDN	1971476	0.00	1971403	11.25 (0.72)	50.15 (0.91)	32.69 (1.02)	1.47 (0.15)	4.44 (0.47)
LVA	33643	0.23	33565	6.28 (0.43)	37.19 (0.90)	45.90 (0.96)	9.69 (0.54)	0.94 (0.16)
LIE	338	.	338	15.64 (1.96)	46.96 (2.69)	23.23 (2.46)	11.16 (1.82)	3.01 (.)
MAC	6546	.	6546	6.33 (0.78)	22.93 (1.37)	53.35 (1.72)	17.14 (1.26)	0.25 (.)
RUS	2153373	0.02	2152991	11.09 (0.58)	37.51 (0.87)	43.34 (0.97)	5.44 (0.33)	2.62 (0.24)
YUG	68596	0.57	68202	9.61 (0.55)	31.92 (0.85)	38.79 (0.90)	12.86 (0.67)	6.82 (0.75)
THA	637076	.	637076	3.51 (0.32)	39.80 (0.99)	50.44 (1.10)	5.44 (0.35)	0.81 (0.14)
TUN	150875	0.16	150640	19.65 (0.68)	31.58 (0.77)	29.50 (0.71)	15.07 (0.63)	4.20 (0.30)
URY	33775	0.17	33718	12.95 (0.64)	39.09 (0.98)	30.61 (0.84)	11.44 (0.66)	5.90 (0.41)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get good <marks> in Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	557 (3.74)	535 (2.36)	510 (2.47)	484 (5.50)	442 (9.22)
AUT	85931	1.08	85003	512 (6.12)	495 (4.28)	484 (4.22)	491 (5.06)	466 (18.38)
BEL	111831	1.79	109825	514 (5.69)	521 (2.88)	515 (3.57)	499 (4.92)	393 (20.80)
CAN	330436	9.70	298375	567 (2.83)	536 (2.09)	513 (1.83)	497 (3.07)	497 (8.63)
CZE	121183	4.09	116221	526 (5.22)	511 (3.09)	480 (3.11)	464 (5.43)	441 (15.52)
DNK	51741	0.65	51406	536 (4.01)	503 (2.79)	461 (4.11)	441 (6.54)	444 (11.01)
FIN	57884	0.07	57845	590 (3.24)	559 (1.93)	517 (2.26)	504 (4.45)	509 (18.37)
FRA	734579	0.87	728167	496 (7.18)	511 (3.54)	497 (3.39)	481 (4.61)	425 (10.74)
DEU	884358	5.57	835070	516 (5.33)	504 (3.94)	499 (4.53)	493 (5.79)	412 (14.43)
GRC	105131	0.13	104991	500 (5.94)	485 (4.53)	455 (4.10)	432 (6.54)	344 (24.21)
HUN	107044	0.06	106984	507 (6.47)	495 (3.38)	473 (2.81)	473 (4.15)	393 (21.18)
ISL	3928	0.63	3903	537 (4.74)	510 (2.61)	470 (3.26)	449 (4.86)	425 (15.97)
IRL	54850	1.03	54285	546 (5.30)	526 (3.19)	501 (3.24)	484 (5.25)	437 (16.72)
ITA	481521	0.42	479499	490 (5.23)	488 (3.17)	465 (4.02)	460 (4.84)	382 (18.20)
JPN	1240054	0.10	1238855	479 (8.64)	509 (4.98)	506 (4.11)	483 (5.45)	383 (23.94)
KOR	533504	0.02	533393	567 (4.97)	562 (3.79)	525 (3.30)	503 (4.28)	. (.)
LUX	4080	0.08	4077	485 (4.32)	481 (2.23)	484 (3.55)	472 (4.17)	398 (14.02)
MEX	1071650	0.37	1067674	435 (6.82)	404 (4.14)	396 (3.95)	389 (7.97)	308 (7.23)
NLD	184943	3.29	178867	517 (5.29)	522 (3.18)	517 (4.06)	508 (4.72)	486 (9.61)
NZL	48638	1.13	48088	549 (5.99)	534 (2.88)	499 (4.30)	473 (7.66)	462 (13.05)
NOR	52816	0.77	52407	564 (5.67)	530 (3.73)	480 (3.08)	442 (4.42)	461 (13.87)
POL	534900	.	534900	545 (5.45)	514 (3.18)	469 (3.25)	459 (6.71)	365 (23.64)
PRT	96857	0.23	96637	516 (6.85)	494 (4.26)	469 (4.40)	446 (4.95)	433 (14.76)
SVK	77067	0.04	77034	506 (5.94)	485 (3.41)	449 (3.67)	437 (5.28)	392 (16.47)
ESP	344372	0.07	344114	510 (6.03)	503 (2.93)	471 (3.41)	448 (3.41)	385 (17.35)
SWE	107104	0.27	106810	572 (4.52)	522 (2.74)	497 (3.01)	463 (6.38)	441 (14.69)
CHE	86491	0.14	86370	508 (4.91)	504 (3.83)	491 (3.98)	502 (4.69)	452 (10.25)
TUR	481279	0.03	481137	471 (9.74)	456 (7.02)	437 (5.30)	422 (6.63)	351 (6.13)
GBR	698579	3.61	673362	550 (4.71)	515 (3.11)	486 (3.51)	462 (7.03)	440 (10.59)
USA	3147089	0.76	3123066	533 (4.67)	502 (2.99)	468 (4.72)	447 (7.04)	378 (13.18)
TOT	.	1.34	.	516 (2.37)	498 (1.32)	479 (1.33)	469 (1.96)	377 (4.56)
AVG	.	1.25	.	523 (1.16)	507 (0.71)	483 (0.80)	469 (0.94)	408 (3.00)
HKG	72484	0.21	72334	516 (8.64)	533 (3.55)	511 (3.85)	487 (5.02)	. (.)
IDN	1971476	0.00	1971403	355 (4.30)	381 (3.21)	400 (4.32)	388 (15.11)	316 (8.24)
LVA	33643	0.23	33565	539 (10.21)	514 (4.00)	472 (3.87)	465 (6.08)	423 (16.02)
LIE	338	.	338	542 (12.61)	524 (7.11)	515 (10.34)	525 (14.43)	. (.)
MAC	6546	.	6546	512 (8.78)	510 (4.36)	493 (2.87)	490 (5.69)	. (.)
RUS	2153373	0.02	2152991	482 (6.08)	461 (3.96)	424 (4.07)	424 (5.97)	342 (11.05)
YUG	68596	0.57	68202	432 (5.55)	425 (4.55)	410 (3.65)	411 (4.62)	343 (11.00)
THA	637076	.	637076	416 (9.34)	423 (3.67)	418 (2.91)	429 (5.46)	369 (20.88)
TUN	150875	0.16	150640	385 (5.34)	380 (3.92)	369 (3.54)	377 (4.45)	320 (8.21)
URY	33775	0.17	33718	464 (7.08)	454 (3.67)	424 (4.17)	403 (7.71)	348 (8.54)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get good <marks> in Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	579 (4.03)	539 (2.26)	495 (2.34)	459 (5.27)	455 (8.45)
AUT	85931	1.08	85003	548 (5.67)	515 (3.81)	487 (3.52)	481 (5.00)	462 (12.80)
BEL	111831	1.79	109825	553 (5.30)	547 (2.82)	528 (3.23)	500 (5.00)	429 (19.29)
CAN	330436	9.70	298375	589 (2.25)	543 (2.17)	507 (2.07)	481 (2.67)	509 (7.88)
CZE	121183	4.09	116221	575 (5.69)	543 (3.51)	499 (3.29)	472 (5.49)	468 (16.52)
DNK	51741	0.65	51406	588 (4.08)	527 (2.67)	465 (3.51)	430 (5.48)	459 (9.82)
FIN	57884	0.07	57845	624 (3.18)	566 (1.86)	506 (2.23)	474 (3.22)	504 (16.55)
FRA	734579	0.87	728167	535 (6.79)	535 (3.28)	507 (2.94)	470 (3.81)	458 (9.42)
DEU	884358	5.57	835070	548 (5.41)	520 (3.71)	496 (4.28)	475 (5.45)	430 (11.09)
GRC	105131	0.13	104991	498 (5.44)	458 (4.14)	413 (3.55)	389 (5.66)	364 (15.82)
HUN	107044	0.06	106984	534 (7.24)	512 (3.83)	475 (2.96)	465 (3.67)	419 (19.30)
ISL	3928	0.63	3903	588 (3.90)	540 (2.37)	482 (2.59)	444 (3.54)	459 (14.92)
IRL	54850	1.03	54285	555 (5.53)	518 (2.90)	480 (2.87)	453 (5.20)	425 (14.29)
ITA	481521	0.42	479499	495 (4.91)	483 (3.21)	448 (3.91)	430 (4.52)	403 (13.64)
JPN	1240054	0.10	1238855	535 (9.04)	557 (5.06)	541 (4.09)	503 (4.83)	446 (19.60)
KOR	533504	0.02	533393	608 (5.52)	588 (4.20)	527 (3.23)	487 (3.94)	. (.)
LUX	4080	0.08	4077	519 (3.12)	499 (1.99)	485 (2.56)	461 (3.33)	443 (10.47)
MEX	1071650	0.37	1067674	427 (6.05)	388 (3.68)	377 (3.20)	369 (7.54)	305 (6.37)
NLD	184943	3.29	178867	566 (5.18)	554 (3.36)	533 (4.21)	504 (4.95)	491 (8.63)
NZL	48638	1.13	48088	580 (5.29)	539 (2.32)	486 (3.13)	450 (7.02)	453 (12.98)
NOR	52816	0.77	52407	584 (4.86)	531 (2.96)	469 (2.42)	421 (2.91)	456 (11.41)
POL	534900	.	534900	560 (5.28)	510 (2.85)	454 (2.83)	434 (5.93)	378 (15.96)
PRT	96857	0.23	96637	529 (6.93)	488 (3.72)	453 (3.70)	418 (4.38)	431 (13.20)
SVK	77067	0.04	77034	552 (6.30)	518 (3.26)	471 (4.15)	447 (5.38)	424 (17.79)
ESP	344372	0.07	344114	533 (5.75)	513 (2.67)	471 (2.83)	440 (3.39)	411 (15.94)
SWE	107104	0.27	106810	594 (4.79)	522 (2.78)	478 (2.58)	431 (4.87)	450 (12.56)
CHE	86491	0.14	86370	563 (4.74)	537 (3.96)	503 (4.33)	502 (5.50)	477 (9.46)
TUR	481279	0.03	481137	470 (10.60)	446 (8.38)	411 (5.76)	389 (6.24)	324 (6.19)
GBR	698579	3.61	673362	576 (4.66)	520 (2.69)	474 (3.07)	441 (6.41)	441 (9.76)
USA	3147089	0.76	3123066	531 (4.35)	489 (2.75)	449 (4.27)	427 (5.35)	390 (11.74)
TOT	.	1.34	.	528 (2.14)	500 (1.28)	477 (1.23)	459 (1.75)	386 (4.25)
AVG	.	1.25	.	550 (1.22)	517 (0.69)	480 (0.70)	456 (0.91)	420 (2.96)
HKG	72484	0.21	72334	597 (10.32)	596 (4.79)	550 (4.62)	503 (5.28)	. (.)
IDN	1971476	0.00	1971403	335 (4.83)	363 (3.86)	374 (5.36)	357 (13.10)	289 (5.97)
LVA	33643	0.23	33565	564 (9.55)	513 (3.98)	459 (3.58)	438 (4.78)	419 (14.30)
LIE	338	.	338	586 (15.79)	539 (6.64)	508 (11.11)	505 (15.20)	. (.)
MAC	6546	.	6546	596 (14.64)	553 (6.55)	518 (3.51)	496 (7.09)	. (.)
RUS	2153373	0.02	2152991	519 (6.48)	489 (4.44)	447 (4.39)	440 (6.32)	385 (9.28)
YUG	68596	0.57	68202	472 (5.62)	457 (4.55)	430 (3.93)	423 (4.46)	363 (9.77)
THA	637076	.	637076	433 (9.85)	428 (3.94)	409 (2.88)	403 (5.29)	390 (16.66)
TUN	150875	0.16	150640	389 (4.39)	369 (3.44)	344 (2.69)	338 (3.39)	317 (6.84)
URY	33775	0.17	33718	471 (6.12)	446 (3.55)	404 (3.71)	382 (5.72)	334 (7.66)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get good <marks> in Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	572 (3.99)	538 (2.38)	500 (2.44)	469 (4.99)	455 (8.90)
AUT	85931	1.08	85003	522 (5.71)	496 (4.06)	479 (3.92)	484 (4.81)	449 (14.80)
BEL	111831	1.79	109825	521 (5.19)	523 (2.95)	514 (3.34)	492 (5.29)	401 (17.40)
CAN	330436	9.70	298375	573 (2.96)	529 (2.42)	496 (2.36)	471 (3.27)	490 (9.39)
CZE	121183	4.09	116221	571 (6.48)	546 (3.25)	508 (3.50)	487 (5.71)	474 (16.89)
DNK	51741	0.65	51406	544 (4.18)	488 (3.45)	430 (4.26)	398 (7.33)	412 (10.54)
FIN	57884	0.07	57845	618 (3.86)	568 (2.47)	514 (2.30)	489 (3.91)	502 (16.35)
FRA	734579	0.87	728167	526 (8.15)	532 (4.50)	509 (3.85)	481 (4.68)	444 (12.50)
DEU	884358	5.57	835070	543 (5.93)	517 (4.00)	500 (4.72)	485 (6.03)	420 (13.35)
GRC	105131	0.13	104991	520 (5.75)	493 (4.10)	457 (3.94)	433 (5.93)	408 (16.76)
HUN	107044	0.06	106984	533 (7.28)	519 (3.88)	492 (2.87)	492 (4.24)	416 (20.45)
ISL	3928	0.63	3903	558 (4.20)	516 (3.04)	467 (2.88)	435 (4.19)	432 (15.45)
IRL	54850	1.03	54285	551 (5.62)	519 (3.19)	484 (3.45)	465 (5.61)	441 (13.43)
ITA	481521	0.42	479499	509 (5.35)	500 (3.55)	472 (4.18)	463 (5.05)	417 (16.04)
JPN	1240054	0.10	1238855	535 (8.81)	563 (5.54)	555 (4.20)	526 (5.56)	454 (21.73)
KOR	533504	0.02	533393	588 (6.01)	578 (4.54)	525 (3.83)	495 (4.88)	. (.)
LUX	4080	0.08	4077	505 (3.85)	488 (2.50)	479 (3.64)	455 (3.90)	406 (14.14)
MEX	1071650	0.37	1067674	439 (6.48)	407 (3.57)	399 (3.42)	396 (7.05)	337 (6.67)
NLD	184943	3.29	178867	539 (6.45)	536 (3.60)	526 (4.66)	502 (5.34)	474 (11.42)
NZL	48638	1.13	48088	564 (6.26)	534 (2.49)	490 (3.50)	468 (7.74)	455 (11.41)
NOR	52816	0.77	52407	570 (6.36)	519 (3.69)	459 (3.15)	415 (3.80)	431 (13.59)
POL	534900	.	534900	567 (5.77)	518 (3.19)	460 (3.29)	441 (6.61)	409 (17.13)
PRT	96857	0.23	96637	512 (7.03)	487 (3.84)	458 (3.87)	431 (5.17)	425 (13.54)
SVK	77067	0.04	77034	538 (7.74)	513 (3.78)	473 (4.18)	458 (5.90)	396 (20.44)
ESP	344372	0.07	344114	529 (6.72)	513 (2.73)	475 (3.54)	446 (3.72)	396 (18.91)
SWE	107104	0.27	106810	580 (5.13)	517 (3.59)	482 (2.93)	439 (6.28)	431 (14.12)
CHE	86491	0.14	86370	540 (5.07)	522 (4.51)	495 (4.76)	496 (5.80)	466 (9.70)
TUR	481279	0.03	481137	472 (10.13)	450 (7.50)	425 (4.99)	408 (6.51)	360 (6.49)
GBR	698579	3.61	673362	580 (5.22)	530 (2.94)	488 (3.75)	455 (7.49)	445 (11.11)
USA	3147089	0.76	3123066	535 (4.73)	496 (2.81)	461 (4.45)	442 (6.33)	386 (15.39)
TOT	.	1.34	.	529 (2.28)	505 (1.28)	487 (1.28)	474 (1.96)	394 (4.08)
AVG	.	1.25	.	540 (1.21)	514 (0.69)	484 (0.76)	465 (1.00)	416 (2.63)
HKG	72484	0.21	72334	567 (9.49)	573 (4.28)	540 (4.40)	504 (5.42)	. (.)
IDN	1971476	0.00	1971403	378 (4.02)	396 (3.15)	407 (4.26)	394 (13.10)	344 (6.54)
LVA	33643	0.23	33565	559 (10.93)	516 (4.05)	468 (3.77)	448 (6.08)	420 (16.55)
LIE	338	.	338	573 (17.06)	525 (7.90)	500 (12.34)	510 (15.33)	. (.)
MAC	6546	.	6546	568 (15.52)	548 (6.82)	515 (4.08)	506 (7.44)	. (.)
RUS	2153373	0.02	2152991	537 (6.79)	508 (4.71)	470 (4.18)	460 (7.34)	399 (10.14)
YUG	68596	0.57	68202	462 (5.80)	449 (4.29)	430 (3.73)	433 (4.45)	391 (10.59)
THA	637076	.	637076	438 (8.83)	437 (3.77)	423 (2.58)	425 (6.46)	410 (19.56)
TUN	150875	0.16	150640	404 (4.66)	390 (3.68)	374 (2.91)	381 (3.84)	343 (8.11)
URY	33775	0.17	33718	476 (7.15)	460 (3.65)	422 (4.06)	406 (6.48)	357 (7.85)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get good <marks> in Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	576 (3.73)	542 (2.09)	506 (2.19)	472 (5.46)	465 (8.41)
AUT	85931	1.08	85003	545 (5.16)	514 (3.75)	489 (3.48)	487 (5.25)	456 (12.27)
BEL	111831	1.79	109825	548 (5.10)	542 (2.79)	523 (3.13)	495 (4.95)	439 (13.51)
CAN	330436	9.70	298375	583 (2.19)	541 (2.11)	507 (1.96)	481 (2.90)	508 (7.80)
CZE	121183	4.09	116221	569 (5.55)	541 (3.30)	501 (3.24)	477 (5.73)	469 (18.47)
DNK	51741	0.65	51406	582 (3.96)	529 (2.38)	473 (3.54)	443 (5.22)	463 (11.00)
FIN	57884	0.07	57845	617 (3.25)	568 (1.82)	514 (2.44)	488 (3.85)	510 (14.80)
FRA	734579	0.87	728167	538 (7.40)	541 (3.42)	518 (3.10)	483 (4.12)	461 (10.48)
DEU	884358	5.57	835070	550 (5.38)	525 (3.82)	507 (4.31)	493 (5.01)	441 (11.94)
GRC	105131	0.13	104991	493 (5.98)	462 (4.47)	422 (3.52)	394 (5.80)	353 (18.18)
HUN	107044	0.06	106984	547 (7.55)	521 (3.99)	488 (2.93)	474 (4.22)	428 (18.71)
ISL	3928	0.63	3903	567 (3.53)	527 (2.40)	477 (2.53)	445 (3.62)	439 (14.63)
IRL	54850	1.03	54285	543 (4.84)	513 (2.91)	478 (2.65)	453 (5.22)	422 (14.02)
ITA	481521	0.42	479499	499 (5.16)	487 (3.27)	453 (3.83)	437 (5.23)	381 (15.34)
JPN	1240054	0.10	1238855	552 (9.01)	570 (5.21)	554 (4.02)	515 (5.26)	450 (28.30)
KOR	533504	0.02	533393	601 (5.33)	587 (3.77)	538 (3.14)	508 (4.16)	. (.)
LUX	4080	0.08	4077	516 (3.50)	499 (2.20)	487 (2.75)	463 (3.62)	451 (11.65)
MEX	1071650	0.37	1067674	426 (6.99)	389 (4.38)	377 (3.89)	368 (9.37)	295 (8.32)
NLD	184943	3.29	178867	541 (5.59)	535 (3.27)	514 (4.30)	486 (5.17)	469 (10.26)
NZL	48638	1.13	48088	578 (5.00)	546 (2.34)	502 (3.52)	469 (6.69)	471 (12.95)
NOR	52816	0.77	52407	574 (5.98)	527 (3.20)	465 (3.04)	415 (3.66)	460 (11.39)
POL	534900	.	534900	548 (5.28)	503 (3.01)	457 (3.13)	440 (5.87)	356 (23.66)
PRT	96857	0.23	96637	525 (7.00)	493 (4.18)	458 (4.47)	422 (4.59)	436 (14.36)
SVK	77067	0.04	77034	542 (6.73)	511 (3.28)	466 (4.27)	440 (5.43)	430 (19.01)
ESP	344372	0.07	344114	526 (5.72)	509 (3.05)	469 (3.14)	439 (3.45)	405 (18.72)
SWE	107104	0.27	106810	577 (4.73)	519 (2.72)	486 (2.51)	442 (5.32)	451 (12.32)
CHE	86491	0.14	86370	552 (4.33)	530 (3.86)	502 (3.97)	501 (5.34)	470 (10.41)
TUR	481279	0.03	481137	448 (9.80)	428 (7.34)	398 (5.13)	378 (6.04)	306 (6.89)
GBR	698579	3.61	673362	569 (4.61)	521 (2.65)	479 (3.66)	447 (7.48)	451 (9.35)
USA	3147089	0.76	3123066	524 (4.79)	484 (3.01)	442 (4.32)	418 (5.87)	378 (11.90)
TOT	.	1.34	.	524 (2.28)	499 (1.37)	480 (1.32)	465 (1.97)	380 (4.45)
AVG	.	1.25	.	543 (1.25)	516 (0.72)	483 (0.75)	461 (0.93)	417 (3.17)
HKG	72484	0.21	72334	586 (9.35)	586 (4.38)	547 (4.35)	510 (4.98)	. (.)
IDN	1971476	0.00	1971403	337 (4.54)	361 (3.13)	377 (4.82)	366 (13.23)	303 (5.90)
LVA	33643	0.23	33565	555 (9.90)	512 (4.08)	459 (3.95)	441 (6.73)	398 (17.69)
LIE	338	.	338	574 (13.92)	531 (6.59)	508 (11.20)	505 (14.86)	. (.)
MAC	6546	.	6546	580 (12.04)	552 (5.35)	524 (3.51)	514 (7.02)	. (.)
RUS	2153373	0.02	2152991	528 (7.58)	500 (4.66)	457 (4.68)	452 (6.96)	376 (10.57)
YUG	68596	0.57	68202	447 (6.07)	436 (4.23)	417 (3.47)	413 (4.57)	342 (10.60)
THA	637076	.	637076	442 (9.15)	434 (3.80)	419 (2.65)	418 (5.57)	365 (19.11)
TUN	150875	0.16	150640	365 (4.08)	353 (3.11)	334 (2.50)	333 (3.80)	303 (6.62)
URY	33775	0.17	33718	456 (7.28)	432 (4.04)	397 (4.04)	372 (6.64)	319 (7.39)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very nervous doing Mathematics problems.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	3.33 (0.18)	18.35 (0.52)	62.71 (0.51)	14.49 (0.43)	1.12 (0.14)
AUT	85931	1.08	85003	5.55 (0.36)	16.41 (0.62)	42.51 (0.89)	34.10 (0.90)	1.43 (0.62)
BEL	111831	1.79	109825	8.27 (0.35)	22.49 (0.62)	50.22 (0.61)	15.60 (0.43)	3.42 (0.47)
CAN	330436	9.70	298375	5.91 (0.20)	19.81 (0.37)	52.53 (0.43)	19.71 (0.40)	2.04 (0.12)
CZE	121183	4.09	116221	6.04 (0.40)	25.58 (0.63)	55.33 (0.82)	12.01 (0.48)	1.05 (0.33)
DNK	51741	0.65	51406	2.65 (0.27)	11.90 (0.53)	55.67 (0.80)	27.52 (0.71)	2.26 (0.28)
FIN	57884	0.07	57845	2.63 (0.20)	12.30 (0.52)	55.26 (0.74)	29.21 (0.66)	0.60 (0.10)
FRA	734579	0.87	728167	10.61 (0.55)	27.43 (0.68)	44.42 (0.84)	15.47 (0.62)	2.07 (0.23)
DEU	884358	5.57	835070	6.05 (0.37)	17.88 (0.61)	45.09 (0.73)	29.34 (0.63)	1.64 (0.24)
GRC	105131	0.13	104991	11.93 (0.60)	31.36 (0.69)	41.46 (0.82)	13.85 (0.48)	1.40 (0.24)
HUN	107044	0.06	106984	5.15 (0.37)	16.70 (0.59)	57.68 (0.74)	19.43 (0.65)	1.03 (0.16)
ISL	3928	0.63	3903	3.94 (0.32)	12.70 (0.55)	53.12 (0.88)	29.64 (0.78)	0.59 (.)
IRL	54850	1.03	54285	5.89 (0.35)	19.93 (0.67)	59.00 (0.83)	13.77 (0.64)	1.40 (0.25)
ITA	481521	0.42	479499	9.88 (0.43)	33.93 (0.61)	43.15 (0.70)	12.04 (0.44)	1.00 (0.13)
JPN	1240054	0.10	1238855	15.74 (0.66)	26.14 (0.71)	47.68 (0.91)	9.86 (0.50)	0.58 (.)
KOR	533504	0.02	533393	9.13 (0.42)	35.02 (0.59)	46.11 (0.74)	9.45 (0.39)	0.28 (.)
LUX	4080	0.08	4077	10.03 (0.49)	21.83 (0.62)	41.54 (0.74)	24.79 (0.61)	1.82 (0.17)
MEX	1071650	0.37	1067674	9.98 (0.44)	36.13 (0.76)	37.99 (0.72)	9.05 (0.57)	6.84 (0.61)
NLD	184943	3.24	178945	2.29 (0.23)	13.05 (0.69)	62.90 (0.95)	20.16 (0.79)	1.60 (0.38)
NZL	48638	1.16	48073	3.24 (0.32)	17.80 (0.61)	61.84 (0.84)	16.38 (0.56)	0.74 (0.12)
NOR	52816	0.77	52407	4.91 (0.36)	14.75 (0.69)	53.88 (0.80)	24.67 (0.72)	1.78 (0.36)
POL	534900	.	534900	5.47 (0.41)	28.95 (0.74)	50.89 (0.81)	13.33 (0.59)	1.36 (0.23)
PRT	96857	0.23	96637	5.14 (0.33)	23.92 (0.84)	53.70 (0.94)	15.58 (0.61)	1.66 (0.28)
SVK	77067	0.04	77034	6.99 (0.48)	32.09 (0.77)	49.49 (0.98)	9.89 (0.46)	1.55 (0.46)
ESP	344372	0.07	344114	10.16 (0.46)	28.78 (0.79)	46.32 (0.80)	13.13 (0.51)	1.61 (0.18)
SWE	107104	0.27	106810	1.36 (0.15)	9.22 (0.47)	53.72 (0.79)	34.54 (0.77)	1.16 (0.18)
CHE	86491	0.14	86370	4.43 (0.27)	14.47 (0.67)	46.25 (0.73)	32.96 (0.80)	1.88 (0.23)
TUR	481279	0.03	481137	12.32 (0.67)	26.08 (0.89)	39.52 (1.12)	15.35 (0.89)	6.73 (0.74)
GBR	698579	3.61	673362	3.96 (0.32)	20.28 (0.63)	59.37 (0.84)	14.82 (0.59)	1.57 (0.21)
USA	3147089	0.76	3123066	5.96 (0.39)	19.98 (0.69)	53.44 (0.79)	18.96 (0.69)	1.66 (0.20)
TOT	.	1.34	.	8.03 (0.15)	24.38 (0.24)	49.18 (0.28)	16.29 (0.22)	2.12 (0.09)
AVG	.	1.24	.	6.65 (0.07)	21.87 (0.12)	50.73 (0.15)	18.96 (0.12)	1.80 (0.06)
HKG	72484	0.21	72334	5.44 (0.38)	27.77 (0.73)	55.32 (0.77)	11.14 (0.59)	0.34 (.)
IDN	1971476	0.00	1971403	4.53 (0.31)	41.33 (0.92)	45.33 (0.95)	4.49 (0.35)	4.33 (0.49)
LVA	33643	0.23	33565	3.07 (0.31)	22.29 (0.96)	61.33 (1.01)	12.62 (0.63)	0.70 (0.14)
LIE	338	.	338	2.44 (.)	10.25 (1.80)	50.65 (3.33)	35.76 (2.94)	0.90 (.)
MAC	6546	.	6546	8.46 (0.89)	30.36 (1.70)	49.27 (1.58)	11.48 (1.35)	0.42 (.)
RUS	2153373	0.02	2152991	4.60 (0.32)	26.60 (0.71)	55.71 (0.89)	10.63 (0.46)	2.46 (0.26)
YUG	68596	0.57	68205	10.38 (0.51)	29.22 (1.09)	42.84 (1.12)	10.67 (0.58)	6.89 (0.75)
THA	637076	.	637076	8.82 (0.37)	57.89 (0.99)	30.25 (0.87)	1.95 (0.28)	1.08 (0.16)
TUN	150875	0.16	150640	16.51 (0.52)	28.90 (0.80)	34.24 (0.78)	15.78 (0.61)	4.57 (0.34)
URY	33775	0.17	33718	8.19 (0.48)	27.50 (0.72)	44.60 (0.89)	14.24 (0.57)	5.47 (0.44)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very nervous doing Mathematics problems.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	485 (6.79)	506 (3.19)	530 (2.13)	554 (3.51)	398 (11.02)
AUT	85931	1.08	85003	457 (7.50)	481 (5.31)	495 (4.02)	504 (4.12)	464 (24.68)
BEL	111831	1.79	109825	475 (6.01)	502 (4.36)	525 (2.59)	529 (3.90)	349 (21.77)
CAN	330436	9.70	298375	498 (3.58)	512 (2.77)	535 (1.81)	555 (2.38)	485 (7.55)
CZE	121183	4.09	116221	459 (6.92)	472 (3.73)	508 (2.84)	517 (4.80)	416 (27.72)
DNK	51741	0.65	51406	449 (9.17)	464 (5.67)	493 (3.12)	515 (3.45)	407 (15.75)
FIN	57884	0.07	57845	504 (8.18)	521 (4.13)	542 (1.74)	559 (2.59)	520 (21.21)
FRA	734579	0.87	728167	466 (5.54)	489 (3.98)	510 (2.99)	507 (4.58)	415 (12.81)
DEU	884358	5.57	835070	457 (8.18)	479 (5.89)	509 (3.30)	518 (3.99)	368 (15.06)
GRC	105131	0.13	104991	458 (6.02)	466 (4.36)	482 (4.49)	485 (6.57)	318 (20.29)
HUN	107044	0.06	106984	465 (7.38)	457 (4.08)	483 (2.79)	509 (4.80)	367 (19.28)
ISL	3928	0.63	3903	456 (9.00)	466 (5.04)	492 (2.09)	512 (3.57)	. (.)
IRL	54850	1.03	54285	481 (6.37)	495 (3.72)	522 (2.89)	542 (5.18)	403 (18.77)
ITA	481521	0.42	479499	449 (5.66)	463 (3.63)	490 (3.04)	493 (5.20)	363 (18.38)
JPN	1240054	0.10	1238855	466 (6.36)	504 (4.36)	510 (4.08)	490 (8.44)	. (.)
KOR	533504	0.02	533393	532 (5.25)	531 (3.48)	540 (3.28)	522 (4.79)	. (.)
LUX	4080	0.08	4077	452 (5.10)	470 (3.85)	490 (2.46)	490 (3.15)	360 (15.44)
MEX	1071650	0.37	1067674	388 (6.22)	391 (4.10)	417 (3.87)	444 (8.06)	309 (7.22)
NLD	184943	3.24	178945	499 (8.19)	501 (5.55)	520 (2.80)	526 (4.51)	473 (14.83)
NZL	48638	1.16	48073	455 (9.81)	491 (4.52)	528 (2.43)	559 (4.01)	397 (21.15)
NOR	52816	0.77	52407	439 (8.63)	470 (5.09)	505 (3.09)	525 (4.46)	428 (20.29)
POL	534900	.	534900	461 (6.74)	467 (3.70)	511 (2.98)	536 (5.13)	355 (20.50)
PRT	96857	0.23	96637	448 (6.81)	452 (5.32)	488 (3.50)	495 (5.20)	445 (15.56)
SVK	77067	0.04	77034	427 (6.72)	448 (3.32)	486 (3.24)	498 (6.57)	377 (25.90)
ESP	344372	0.07	344114	460 (4.34)	473 (3.01)	493 (2.86)	486 (4.39)	355 (15.03)
SWE	107104	0.27	106810	451 (17.19)	493 (5.27)	512 (2.67)	530 (2.96)	424 (22.00)
CHE	86491	0.14	86370	462 (6.55)	475 (5.54)	503 (3.09)	514 (4.45)	411 (17.22)
TUR	481279	0.03	481137	420 (5.80)	430 (5.22)	458 (6.52)	473 (8.93)	350 (6.40)
GBR	698579	3.61	673362	484 (8.03)	487 (3.59)	511 (3.01)	532 (4.56)	400 (12.04)
USA	3147089	0.76	3123066	450 (7.08)	461 (4.12)	506 (2.86)	530 (4.85)	360 (16.22)
TOT	.	1.34	.	454 (2.28)	468 (1.46)	502 (1.16)	516 (1.77)	355 (5.01)
AVG	.	1.24	.	458 (1.26)	474 (0.96)	505 (0.60)	518 (0.83)	380 (3.62)
HKG	72484	0.21	72334	486 (6.60)	503 (4.79)	515 (3.69)	513 (6.09)	. (.)
IDN	1971476	0.00	1971403	373 (8.10)	386 (3.60)	386 (3.62)	380 (8.20)	307 (8.13)
LVA	33643	0.23	33565	464 (9.44)	465 (5.21)	495 (3.44)	527 (6.86)	417 (15.84)
LIE	338	.	338	. (.)	525 (14.01)	523 (6.29)	533 (7.98)	. (.)
MAC	6546	.	6546	481 (8.79)	496 (3.97)	498 (3.16)	514 (8.18)	. (.)
RUS	2153373	0.02	2152991	412 (7.58)	417 (4.41)	454 (3.79)	482 (5.54)	324 (11.22)
YUG	68596	0.57	68205	393 (5.10)	399 (3.66)	432 (3.73)	435 (5.28)	342 (10.39)
THA	637076	.	637076	429 (4.64)	418 (3.16)	422 (3.59)	434 (13.06)	358 (16.43)
TUN	150875	0.16	150640	367 (4.25)	374 (3.18)	383 (3.52)	384 (5.21)	318 (9.06)
URY	33775	0.17	33718	400 (6.27)	416 (4.53)	452 (4.11)	471 (7.49)	335 (9.40)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very nervous doing Mathematics problems.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	452 (7.29)	489 (2.89)	530 (1.95)	570 (3.81)	423 (10.44)
AUT	85931	1.08	85003	446 (7.66)	479 (4.11)	509 (3.63)	531 (3.87)	456 (15.83)
BEL	111831	1.79	109825	477 (5.27)	513 (3.85)	552 (2.36)	562 (3.83)	392 (20.93)
CAN	330436	9.70	298375	477 (3.59)	501 (2.41)	541 (1.88)	578 (2.39)	493 (6.10)
CZE	121183	4.09	116221	464 (6.12)	488 (4.02)	537 (3.13)	564 (5.12)	440 (29.34)
DNK	51741	0.65	51406	439 (9.50)	467 (4.90)	510 (2.75)	558 (3.86)	433 (13.52)
FIN	57884	0.07	57845	474 (7.99)	503 (3.56)	542 (2.02)	573 (2.95)	516 (19.14)
FRA	734579	0.87	728167	464 (4.48)	496 (3.20)	528 (2.61)	535 (5.01)	453 (10.48)
DEU	884358	5.57	835070	447 (7.14)	477 (5.40)	519 (3.34)	540 (4.07)	402 (11.48)
GRC	105131	0.13	104991	411 (4.74)	427 (3.86)	461 (4.41)	478 (5.46)	348 (14.46)
HUN	107044	0.06	106984	458 (5.91)	453 (4.13)	491 (3.06)	531 (4.46)	398 (17.35)
ISL	3928	0.63	3903	461 (7.13)	480 (3.89)	512 (1.97)	546 (3.20)	. (.)
IRL	54850	1.03	54285	446 (5.05)	472 (3.21)	511 (2.74)	545 (5.06)	400 (14.61)
ITA	481521	0.42	479499	422 (5.40)	445 (3.75)	485 (2.98)	499 (5.21)	392 (13.54)
JPN	1240054	0.10	1238855	492 (5.47)	535 (4.36)	549 (4.32)	534 (8.71)	. (.)
KOR	533504	0.02	533393	524 (4.81)	531 (3.74)	554 (3.62)	544 (5.47)	. (.)
LUX	4080	0.08	4077	443 (4.25)	471 (3.02)	505 (2.16)	519 (2.61)	416 (12.43)
MEX	1071650	0.37	1067674	364 (5.05)	372 (3.74)	405 (3.67)	441 (6.80)	306 (6.69)
NLD	184943	3.24	178945	494 (10.34)	510 (5.55)	547 (2.99)	563 (4.56)	465 (9.92)
NZL	48638	1.16	48073	436 (8.50)	481 (3.96)	530 (2.16)	577 (3.65)	392 (16.80)
NOR	52816	0.77	52407	417 (5.70)	456 (3.95)	498 (2.56)	533 (3.62)	423 (14.43)
POL	534900	.	534900	435 (6.18)	452 (3.12)	505 (2.66)	552 (4.14)	373 (14.54)
PRT	96857	0.23	96637	417 (6.19)	435 (4.43)	479 (3.24)	491 (4.85)	433 (14.73)
SVK	77067	0.04	77034	437 (7.25)	470 (3.63)	519 (3.07)	539 (6.71)	417 (26.88)
ESP	344372	0.07	344114	446 (3.99)	468 (2.55)	502 (2.70)	507 (4.11)	376 (12.58)
SWE	107104	0.27	106810	431 (14.67)	464 (5.64)	500 (2.61)	541 (3.46)	431 (17.51)
CHE	86491	0.14	86370	468 (6.24)	485 (3.90)	530 (3.47)	553 (4.45)	441 (13.04)
TUR	481279	0.03	481137	386 (6.00)	403 (5.57)	445 (7.27)	475 (10.58)	325 (7.00)
GBR	698579	3.61	673362	459 (7.93)	475 (3.37)	513 (2.80)	553 (4.19)	406 (13.12)
USA	3147089	0.76	3123066	421 (6.03)	441 (3.64)	492 (2.53)	532 (4.94)	381 (14.38)
TOT	.	1.34	.	443 (2.21)	460 (1.35)	504 (1.01)	531 (1.62)	367 (4.63)
AVG	.	1.24	.	445 (1.38)	468 (0.87)	512 (0.57)	539 (0.79)	393 (3.23)
HKG	72484	0.21	72334	499 (7.70)	532 (5.38)	561 (4.39)	571 (8.58)	. (.)
IDN	1971476	0.00	1971403	337 (7.57)	360 (4.18)	369 (4.32)	371 (7.92)	280 (6.00)
LVA	33643	0.23	33565	441 (9.54)	449 (4.30)	488 (3.60)	537 (6.46)	416 (14.45)
LIE	338	.	338	. (.)	516 (16.00)	530 (6.40)	554 (9.27)	. (.)
MAC	6546	.	6546	490 (8.07)	514 (5.26)	534 (3.95)	565 (14.49)	. (.)
RUS	2153373	0.02	2152991	419 (7.16)	437 (4.38)	480 (4.16)	525 (6.27)	378 (7.43)
YUG	68596	0.57	68205	401 (5.30)	418 (3.73)	463 (3.71)	469 (5.57)	364 (9.22)
THA	637076	.	637076	414 (4.67)	413 (3.24)	426 (3.86)	436 (13.14)	381 (15.39)
TUN	150875	0.16	150640	336 (3.19)	351 (2.62)	372 (3.47)	382 (4.62)	313 (6.29)
URY	33775	0.17	33718	364 (4.28)	399 (3.52)	443 (3.54)	473 (5.30)	326 (8.24)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very nervous doing Mathematics problems.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	465 (6.45)	495 (3.19)	530 (2.10)	567 (3.86)	423 (11.66)
AUT	85931	1.08	85003	444 (8.53)	471 (4.81)	494 (4.01)	511 (4.04)	442 (18.66)
BEL	111831	1.79	109825	469 (5.20)	498 (3.95)	527 (2.55)	535 (3.83)	364 (17.94)
CAN	330436	9.70	298375	465 (4.34)	490 (3.29)	529 (2.10)	561 (2.65)	476 (7.92)
CZE	121183	4.09	116221	480 (6.13)	499 (3.97)	542 (3.05)	560 (6.08)	445 (31.75)
DNK	51741	0.65	51406	405 (11.74)	432 (5.66)	472 (3.10)	515 (4.05)	388 (14.83)
FIN	57884	0.07	57845	491 (8.34)	512 (4.34)	546 (2.15)	573 (2.96)	516 (19.81)
FRA	734579	0.87	728167	472 (5.82)	497 (4.14)	529 (3.83)	531 (5.57)	435 (13.72)
DEU	884358	5.57	835070	453 (7.95)	480 (6.47)	519 (3.57)	537 (4.43)	387 (14.64)
GRC	105131	0.13	104991	455 (4.93)	468 (4.17)	494 (4.38)	504 (6.17)	392 (16.37)
HUN	107044	0.06	106984	482 (7.14)	477 (4.67)	504 (2.83)	536 (5.55)	399 (17.99)
ISL	3928	0.63	3903	450 (7.92)	464 (4.81)	493 (2.04)	521 (3.34)	. (.)
IRL	54850	1.03	54285	458 (6.78)	478 (3.81)	512 (3.02)	543 (5.88)	414 (16.10)
ITA	481521	0.42	479499	454 (5.88)	468 (3.83)	503 (3.38)	513 (5.75)	402 (19.07)
JPN	1240054	0.10	1238855	509 (6.14)	550 (4.79)	561 (4.42)	547 (8.89)	. (.)
KOR	533504	0.02	533393	533 (5.59)	532 (4.11)	546 (3.98)	531 (5.77)	. (.)
LUX	4080	0.08	4077	433 (4.87)	463 (3.71)	495 (2.40)	508 (3.51)	373 (16.24)
MEX	1071650	0.37	1067674	388 (4.74)	395 (3.29)	419 (3.70)	454 (7.57)	338 (7.13)
NLD	184943	3.24	178945	493 (10.71)	500 (6.24)	532 (3.14)	544 (5.24)	446 (14.79)
NZL	48638	1.16	48073	446 (8.94)	485 (4.57)	526 (2.39)	569 (3.75)	397 (20.72)
NOR	52816	0.77	52407	408 (8.66)	446 (4.86)	488 (3.12)	522 (4.04)	397 (17.57)
POL	534900	.	534900	446 (6.79)	456 (3.71)	514 (3.00)	557 (5.19)	403 (15.98)
PRT	96857	0.23	96637	436 (7.04)	443 (4.95)	478 (3.33)	485 (4.79)	430 (13.80)
SVK	77067	0.04	77034	449 (7.35)	469 (4.20)	514 (3.55)	532 (7.12)	386 (25.94)
ESP	344372	0.07	344114	459 (4.70)	472 (2.67)	502 (3.08)	504 (4.52)	362 (15.97)
SWE	107104	0.27	106810	436 (16.76)	473 (5.83)	501 (3.23)	529 (3.54)	410 (21.94)
CHE	86491	0.14	86370	461 (7.93)	474 (5.91)	516 (3.99)	536 (4.81)	442 (14.30)
TUR	481279	0.03	481137	402 (5.59)	419 (5.02)	451 (6.74)	474 (9.34)	361 (6.91)
GBR	698579	3.61	673362	479 (8.70)	489 (4.02)	524 (2.97)	559 (4.69)	404 (13.37)
USA	3147089	0.76	3123066	438 (6.54)	452 (3.93)	500 (2.76)	536 (5.03)	378 (20.62)
TOT	.	1.34	.	458 (2.18)	471 (1.38)	509 (1.06)	531 (1.73)	378 (4.80)
AVG	.	1.24	.	456 (1.27)	474 (0.91)	510 (0.57)	530 (0.82)	394 (3.07)
HKG	72484	0.21	72334	503 (7.53)	526 (5.06)	548 (4.27)	554 (7.17)	. (.)
IDN	1971476	0.00	1971403	389 (6.72)	396 (3.62)	399 (3.72)	397 (6.93)	342 (5.98)
LVA	33643	0.23	33565	453 (11.37)	458 (3.99)	494 (3.75)	536 (7.18)	408 (19.13)
LIE	338	.	338	. (.)	513 (15.50)	521 (7.22)	539 (8.73)	. (.)
MAC	6546	.	6546	493 (9.64)	514 (5.25)	529 (4.33)	560 (13.37)	. (.)
RUS	2153373	0.02	2152991	447 (7.99)	458 (4.50)	502 (4.07)	539 (6.49)	392 (10.34)
YUG	68596	0.57	68205	409 (4.80)	421 (3.76)	455 (3.87)	465 (5.39)	389 (10.49)
THA	637076	.	637076	427 (4.80)	425 (2.95)	436 (3.48)	452 (11.40)	399 (15.54)
TUN	150875	0.16	150640	375 (4.01)	381 (2.89)	393 (3.56)	398 (5.27)	338 (7.40)
URY	33775	0.17	33718	391 (6.20)	418 (4.05)	457 (3.60)	482 (6.30)	345 (7.01)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I get very nervous doing Mathematics problems.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	468 (6.79)	500 (3.02)	535 (1.99)	570 (3.37)	434 (10.36)
AUT	85931	1.08	85003	453 (7.72)	481 (4.18)	510 (3.44)	530 (3.83)	446 (17.01)
BEL	111831	1.79	109825	474 (5.89)	509 (3.82)	545 (2.38)	556 (3.67)	409 (13.26)
CAN	330436	9.70	298375	478 (3.80)	502 (2.43)	539 (1.78)	572 (2.57)	494 (6.90)
CZE	121183	4.09	116221	469 (7.20)	492 (3.78)	536 (2.99)	558 (4.74)	443 (33.04)
DNK	51741	0.65	51406	449 (9.05)	474 (4.89)	514 (2.61)	556 (3.53)	434 (13.75)
FIN	57884	0.07	57845	492 (7.13)	513 (4.19)	545 (1.97)	573 (2.91)	523 (16.14)
FRA	734579	0.87	728167	476 (4.77)	506 (3.68)	536 (2.92)	539 (4.92)	455 (12.10)
DEU	884358	5.57	835070	464 (6.65)	489 (5.24)	526 (3.35)	543 (3.89)	411 (12.79)
GRC	105131	0.13	104991	413 (5.47)	434 (3.85)	464 (4.60)	477 (5.60)	334 (13.82)
HUN	107044	0.06	106984	466 (5.83)	467 (4.14)	502 (3.09)	541 (4.61)	410 (16.60)
ISL	3928	0.63	3903	461 (7.49)	475 (4.44)	502 (1.85)	531 (2.90)	. (.)
IRL	54850	1.03	54285	453 (4.93)	473 (3.09)	506 (2.56)	533 (4.61)	391 (13.35)
ITA	481521	0.42	479499	423 (6.02)	451 (3.98)	489 (3.21)	501 (5.08)	365 (17.65)
JPN	1240054	0.10	1238855	502 (6.08)	548 (4.26)	563 (4.27)	551 (8.94)	. (.)
KOR	533504	0.02	533393	536 (4.86)	542 (3.70)	561 (3.37)	548 (5.22)	. (.)
LUX	4080	0.08	4077	446 (4.29)	475 (3.03)	505 (2.33)	515 (3.16)	428 (14.88)
MEX	1071650	0.37	1067674	364 (5.99)	373 (4.29)	404 (4.28)	438 (8.68)	298 (8.56)
NLD	184943	3.24	178945	480 (8.66)	492 (5.60)	528 (3.15)	540 (4.69)	440 (13.30)
NZL	48638	1.16	48073	455 (8.36)	495 (4.00)	539 (2.03)	579 (3.78)	415 (19.46)
NOR	52816	0.77	52407	407 (7.27)	451 (4.27)	494 (3.00)	527 (4.15)	425 (16.45)
POL	534900	.	534900	440 (6.15)	452 (3.34)	501 (2.76)	540 (4.57)	354 (22.34)
PRT	96857	0.23	96637	423 (7.14)	440 (5.07)	483 (3.52)	491 (5.45)	441 (16.77)
SVK	77067	0.04	77034	432 (7.35)	465 (3.47)	512 (3.27)	531 (5.86)	425 (28.99)
ESP	344372	0.07	344114	448 (5.00)	468 (2.77)	498 (2.98)	499 (4.58)	368 (13.84)
SWE	107104	0.27	106810	425 (17.39)	473 (4.74)	503 (2.82)	534 (2.94)	428 (18.58)
CHE	86491	0.14	86370	465 (6.07)	483 (3.89)	525 (3.16)	545 (4.11)	431 (14.85)
TUR	481279	0.03	481137	376 (5.87)	389 (5.24)	428 (6.28)	454 (9.27)	308 (7.31)
GBR	698579	3.61	673362	462 (7.66)	482 (3.72)	515 (2.72)	548 (4.38)	419 (12.71)
USA	3147089	0.76	3123066	416 (6.67)	436 (4.03)	487 (2.68)	524 (4.96)	368 (14.84)
TOT	.	1.34	.	446 (2.34)	463 (1.61)	504 (1.06)	527 (1.58)	359 (5.13)
AVG	.	1.24	.	448 (1.35)	471 (0.96)	512 (0.58)	534 (0.80)	389 (3.45)
HKG	72484	0.21	72334	507 (6.83)	533 (5.36)	557 (4.09)	566 (7.48)	. (.)
IDN	1971476	0.00	1971403	349 (7.33)	364 (3.70)	366 (3.60)	367 (7.05)	294 (5.91)
LVA	33643	0.23	33565	436 (9.80)	449 (5.11)	488 (3.75)	532 (8.00)	389 (15.03)
LIE	338	.	338	. (.)	517 (15.11)	524 (5.94)	546 (8.63)	. (.)
MAC	6546	.	6546	501 (7.56)	522 (5.73)	539 (3.68)	556 (10.87)	. (.)
RUS	2153373	0.02	2152991	434 (7.85)	444 (4.65)	493 (4.53)	534 (6.72)	370 (9.99)
YUG	68596	0.57	68205	395 (5.40)	405 (3.42)	444 (3.32)	444 (5.52)	344 (9.84)
THA	637076	.	637076	427 (4.46)	421 (2.97)	432 (3.63)	450 (14.11)	374 (16.50)
TUN	150875	0.16	150640	326 (3.17)	340 (2.54)	356 (2.86)	362 (4.25)	299 (6.90)
URY	33775	0.17	33718	351 (6.26)	387 (4.22)	433 (3.81)	460 (6.67)	310 (9.78)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I learn Mathematics quickly.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	9.54 (0.33)	45.84 (0.63)	34.36 (0.48)	8.65 (0.35)	1.60 (0.17)
AUT	85931	1.08	85003	16.58 (0.59)	37.47 (0.84)	30.40 (0.75)	13.84 (0.54)	1.70 (0.64)
BEL	111831	1.79	109825	10.22 (0.39)	38.82 (0.60)	34.22 (0.57)	12.89 (0.44)	3.85 (0.49)
CAN	330436	9.70	298375	16.63 (0.39)	40.14 (0.47)	30.16 (0.55)	11.22 (0.30)	1.85 (0.13)
CZE	121183	4.09	116221	8.49 (0.39)	37.12 (0.95)	41.05 (0.86)	12.27 (0.48)	1.07 (0.33)
DNK	51741	0.65	51406	13.90 (0.53)	43.61 (0.70)	29.44 (0.67)	9.33 (0.44)	3.72 (0.32)
FIN	57884	0.07	57845	9.70 (0.42)	43.95 (0.80)	32.85 (0.77)	12.77 (0.54)	0.72 (0.12)
FRA	734579	0.87	728167	10.26 (0.56)	35.51 (0.84)	34.93 (0.80)	17.09 (0.74)	2.22 (0.20)
DEU	884358	5.57	835070	19.12 (0.65)	37.02 (0.78)	30.78 (0.68)	11.17 (0.49)	1.91 (0.27)
GRC	105131	0.13	104991	13.73 (0.58)	44.24 (0.90)	32.60 (0.82)	8.07 (0.43)	1.36 (0.25)
HUN	107044	0.06	106984	8.28 (0.40)	33.60 (0.78)	44.07 (0.74)	13.09 (0.63)	0.96 (0.17)
ISL	3928	0.63	3903	16.12 (0.63)	38.02 (0.70)	28.70 (0.79)	15.07 (0.63)	2.09 (0.26)
IRL	54850	1.03	54285	7.75 (0.45)	40.61 (1.08)	38.15 (0.89)	11.75 (0.61)	1.74 (0.26)
ITA	481521	0.42	479499	11.37 (0.47)	39.06 (0.66)	36.04 (0.55)	12.40 (0.64)	1.14 (0.16)
JPN	1240054	0.10	1238855	4.15 (0.29)	20.35 (0.67)	49.31 (0.93)	25.51 (0.87)	0.68 (.)
KOR	533504	0.02	533393	5.09 (0.30)	28.64 (0.72)	50.35 (0.74)	15.61 (0.53)	0.31 (.)
LUX	4080	0.08	4077	17.37 (0.57)	36.22 (0.61)	29.29 (0.61)	15.02 (0.51)	2.10 (0.21)
MEX	1071650	0.37	1067674	11.48 (0.60)	34.72 (0.66)	39.33 (0.77)	7.69 (0.43)	6.78 (0.58)
NLD	184943	3.24	178945	10.68 (0.67)	42.22 (0.96)	32.15 (0.93)	12.77 (0.56)	2.19 (0.32)
NZL	48638	1.13	48088	9.90 (0.50)	45.48 (0.66)	33.38 (0.66)	10.04 (0.50)	1.20 (0.18)
NOR	52816	0.77	52407	10.07 (0.43)	35.74 (0.93)	32.20 (0.76)	19.28 (0.70)	2.70 (0.45)
POL	534900	.	534900	12.24 (0.57)	36.72 (0.88)	39.15 (0.85)	10.37 (0.52)	1.52 (0.22)
PRT	96857	0.23	96637	6.29 (0.45)	38.53 (0.89)	40.48 (0.74)	12.90 (0.56)	1.79 (0.32)
SVK	77067	0.04	77034	9.77 (0.37)	37.33 (0.75)	41.57 (0.75)	9.53 (0.57)	1.81 (0.49)
ESP	344372	0.07	344114	8.61 (0.52)	35.46 (0.79)	37.65 (0.70)	16.71 (0.58)	1.58 (0.20)
SWE	107104	0.27	106810	12.77 (0.53)	45.79 (0.82)	29.76 (0.83)	9.48 (0.51)	2.21 (0.25)
CHE	86491	0.14	86370	15.45 (0.47)	39.69 (0.86)	30.85 (0.85)	11.02 (0.40)	3.00 (0.27)
TUR	481279	0.03	481137	14.86 (0.84)	35.94 (1.21)	32.52 (1.03)	9.65 (0.75)	7.03 (0.92)
GBR	698579	3.61	673362	8.58 (0.42)	43.87 (0.71)	35.41 (0.73)	10.21 (0.48)	1.92 (0.22)
USA	3147089	0.76	3123066	16.41 (0.59)	40.49 (0.62)	29.88 (0.72)	11.17 (0.47)	2.05 (0.22)
TOT	.	1.34	.	12.13 (0.18)	36.49 (0.26)	36.02 (0.29)	13.00 (0.19)	2.35 (0.09)
AVG	.	1.24	.	11.49 (0.11)	38.39 (0.14)	35.40 (0.15)	12.56 (0.09)	2.16 (0.06)
HKG	72484	0.21	72334	5.43 (0.33)	38.92 (0.86)	45.59 (0.77)	9.69 (0.57)	0.37 (.)
IDN	1971476	0.00	1971403	5.59 (0.46)	39.47 (0.86)	47.30 (0.99)	3.08 (0.24)	4.56 (0.50)
LVA	33643	0.26	33556	6.26 (0.47)	39.72 (0.98)	44.42 (1.03)	8.72 (0.50)	0.88 (0.15)
LIE	338	.	338	15.69 (1.95)	42.44 (2.66)	29.19 (2.24)	10.87 (1.69)	1.80 (.)
MAC	6546	.	6546	8.71 (0.89)	36.42 (1.40)	43.80 (1.54)	10.29 (1.16)	0.78 (.)
RUS	2153373	0.02	2152991	7.49 (0.39)	37.34 (1.02)	46.68 (0.86)	6.08 (0.44)	2.41 (0.24)
YUG	68596	0.57	68202	12.76 (0.67)	38.18 (0.97)	33.51 (0.95)	8.79 (0.56)	6.75 (0.78)
THA	637076	.	637076	2.96 (0.31)	34.41 (0.92)	55.70 (0.99)	5.81 (0.45)	1.13 (0.16)
TUN	150875	0.16	150640	22.24 (0.70)	29.59 (0.74)	30.35 (0.85)	14.01 (0.60)	3.81 (0.27)
URY	33775	0.17	33718	13.57 (0.64)	33.44 (0.78)	33.62 (0.79)	13.18 (0.50)	6.19 (0.41)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I learn Mathematics quickly.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	556 (3.58)	538 (2.34)	514 (2.20)	494 (5.33)	435 (10.07)
AUT	85931	1.08	85003	507 (5.27)	497 (4.83)	488 (3.56)	482 (5.11)	465 (22.61)
BEL	111831	1.79	109825	512 (4.51)	520 (3.01)	519 (3.15)	501 (4.39)	366 (21.38)
CAN	330436	9.70	298375	561 (2.78)	540 (2.02)	517 (1.90)	501 (2.89)	493 (7.69)
CZE	121183	4.09	116221	525 (5.56)	516 (3.27)	483 (2.85)	467 (5.05)	418 (28.07)
DNK	51741	0.65	51406	519 (4.87)	506 (3.03)	477 (3.78)	459 (5.71)	438 (11.25)
FIN	57884	0.07	57845	576 (4.87)	557 (2.03)	527 (2.09)	516 (3.31)	517 (17.49)
FRA	734579	0.87	728167	503 (5.42)	510 (3.53)	494 (3.27)	484 (4.35)	415 (12.22)
DEU	884358	5.57	835070	509 (4.99)	506 (3.93)	499 (4.79)	495 (5.45)	380 (14.59)
GRC	105131	0.13	104991	492 (5.52)	486 (4.90)	461 (3.72)	441 (5.58)	294 (21.69)
HUN	107044	0.06	106984	509 (5.39)	494 (3.06)	473 (3.01)	473 (4.39)	364 (20.79)
ISL	3928	0.63	3903	538 (4.20)	509 (2.81)	467 (3.34)	456 (4.50)	449 (15.67)
IRL	54850	1.03	54285	539 (5.83)	526 (3.16)	512 (2.85)	487 (4.97)	417 (16.21)
ITA	481521	0.42	479499	481 (5.73)	488 (3.29)	468 (3.74)	464 (5.47)	378 (16.95)
JPN	1240054	0.10	1238855	470 (10.74)	502 (4.99)	509 (4.12)	484 (5.70)	. (.)
KOR	533504	0.02	533393	557 (6.36)	558 (3.65)	528 (3.15)	504 (4.66)	. (.)
LUX	4080	0.08	4077	479 (4.72)	485 (2.50)	483 (3.46)	473 (3.80)	387 (15.37)
MEX	1071650	0.37	1067674	427 (9.27)	413 (4.69)	396 (3.14)	400 (6.46)	310 (7.07)
NLD	184943	3.24	178945	515 (5.34)	522 (3.10)	518 (3.79)	509 (4.90)	489 (10.78)
NZL	48638	1.13	48088	552 (6.65)	535 (3.29)	509 (3.37)	499 (5.67)	433 (14.42)
NOR	52816	0.77	52407	546 (6.99)	529 (4.01)	486 (3.18)	454 (3.86)	447 (13.23)
POL	534900	.	534900	536 (5.28)	515 (3.48)	476 (3.18)	480 (4.77)	367 (21.27)
PRT	96857	0.23	96637	497 (7.64)	497 (4.09)	468 (4.05)	448 (5.17)	427 (17.41)
SVK	77067	0.04	77034	504 (4.74)	488 (3.71)	455 (3.27)	435 (5.28)	386 (21.20)
ESP	344372	0.07	344114	496 (5.80)	499 (3.54)	479 (2.97)	450 (3.57)	356 (16.13)
SWE	107104	0.27	106810	547 (5.04)	524 (2.75)	503 (3.23)	478 (6.66)	452 (12.81)
CHE	86491	0.14	86370	497 (5.14)	508 (3.85)	494 (4.75)	499 (4.16)	442 (12.41)
TUR	481279	0.03	481137	470 (9.67)	462 (7.36)	431 (5.01)	417 (6.05)	350 (6.17)
GBR	698579	3.61	673362	530 (6.08)	514 (3.17)	501 (3.07)	490 (5.02)	415 (14.14)
USA	3147089	0.76	3123066	524 (4.78)	512 (3.47)	478 (3.59)	463 (4.86)	372 (13.34)
TOT	.	1.34	.	509 (2.12)	503 (1.42)	482 (1.18)	473 (1.81)	366 (4.60)
AVG	.	1.24	.	515 (1.02)	509 (0.79)	487 (0.74)	475 (0.94)	397 (3.16)
HKG	72484	0.21	72334	512 (6.84)	524 (3.41)	505 (4.31)	476 (6.29)	. (.)
IDN	1971476	0.00	1971403	345 (7.06)	381 (3.63)	392 (3.49)	390 (8.38)	312 (7.84)
LVA	33643	0.26	33556	522 (11.52)	510 (4.00)	475 (3.90)	466 (6.70)	442 (17.88)
LIE	338	.	338	530 (12.19)	511 (7.49)	541 (8.61)	526 (14.35)	. (.)
MAC	6546	.	6546	507 (7.81)	505 (3.52)	492 (3.68)	488 (8.31)	. (.)
RUS	2153373	0.02	2152991	480 (7.60)	462 (3.59)	429 (4.16)	427 (9.57)	327 (10.94)
YUG	68596	0.57	68202	425 (7.14)	428 (3.70)	407 (3.73)	404 (5.00)	339 (9.94)
THA	637076	.	637076	427 (8.40)	424 (3.85)	418 (2.90)	425 (5.76)	365 (16.13)
TUN	150875	0.16	150640	384 (4.89)	380 (4.28)	372 (3.21)	371 (4.19)	316 (8.56)
URY	33775	0.17	33718	462 (7.30)	454 (4.23)	427 (3.97)	413 (6.68)	349 (8.75)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I learn Mathematics quickly.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	582 (3.75)	545 (2.33)	501 (2.08)	462 (5.35)	452 (9.05)
AUT	85931	1.08	85003	548 (4.92)	520 (4.26)	490 (3.03)	466 (4.79)	471 (13.89)
BEL	111831	1.79	109825	552 (4.87)	554 (2.93)	531 (2.78)	498 (3.75)	404 (19.62)
CAN	330436	9.70	298375	591 (2.21)	551 (2.10)	508 (2.24)	479 (2.40)	503 (6.58)
CZE	121183	4.09	116221	583 (4.86)	553 (3.57)	500 (2.98)	470 (4.61)	443 (29.45)
DNK	51741	0.65	51406	576 (4.64)	539 (2.81)	480 (3.24)	441 (4.87)	458 (10.70)
FIN	57884	0.07	57845	621 (4.88)	569 (1.95)	513 (2.09)	482 (3.05)	512 (15.06)
FRA	734579	0.87	728167	543 (5.90)	537 (3.22)	500 (3.03)	471 (3.62)	455 (10.45)
DEU	884358	5.57	835070	544 (5.11)	523 (3.68)	497 (4.36)	475 (4.94)	401 (12.09)
GRC	105131	0.13	104991	492 (5.05)	466 (4.26)	415 (3.78)	389 (5.57)	332 (16.30)
HUN	107044	0.06	106984	544 (6.21)	514 (3.30)	473 (3.02)	457 (3.90)	398 (17.65)
ISL	3928	0.63	3903	588 (3.28)	539 (2.50)	481 (2.78)	449 (3.14)	481 (12.45)
IRL	54850	1.03	54285	554 (5.66)	521 (3.19)	492 (2.76)	453 (4.54)	404 (12.49)
ITA	481521	0.42	479499	489 (6.04)	486 (3.53)	449 (2.88)	435 (5.30)	396 (16.10)
JPN	1240054	0.10	1238855	528 (9.54)	554 (5.22)	544 (4.11)	503 (5.25)	. (.)
KOR	533504	0.02	533393	597 (6.79)	581 (4.14)	532 (3.24)	488 (4.15)	. (.)
LUX	4080	0.08	4077	520 (3.97)	505 (2.26)	483 (2.58)	460 (3.17)	438 (11.08)
MEX	1071650	0.37	1067674	425 (7.31)	404 (4.06)	375 (2.99)	370 (5.35)	304 (6.71)
NLD	184943	3.24	178945	564 (5.80)	558 (3.31)	535 (3.97)	504 (5.06)	488 (9.06)
NZL	48638	1.13	48088	585 (6.03)	546 (2.76)	498 (2.88)	470 (5.68)	441 (13.47)
NOR	52816	0.77	52407	571 (6.00)	534 (3.21)	473 (2.72)	430 (3.05)	445 (9.49)
POL	534900	.	534900	557 (5.20)	517 (3.29)	461 (2.51)	445 (4.12)	379 (16.02)
PRT	96857	0.23	96637	517 (7.50)	495 (3.67)	450 (3.37)	414 (4.48)	422 (17.68)
SVK	77067	0.04	77034	557 (5.24)	527 (3.69)	475 (3.41)	441 (4.94)	428 (21.47)
ESP	344372	0.07	344114	527 (5.51)	512 (3.38)	475 (2.62)	439 (2.73)	386 (13.68)
SWE	107104	0.27	106810	573 (5.13)	527 (3.06)	480 (2.80)	440 (4.92)	459 (10.91)
CHE	86491	0.14	86370	557 (5.41)	543 (4.11)	508 (4.34)	493 (4.54)	472 (11.21)
TUR	481279	0.03	481137	470 (10.84)	455 (8.43)	401 (4.95)	382 (6.10)	324 (5.67)
GBR	698579	3.61	673362	560 (5.72)	524 (3.15)	491 (2.74)	467 (5.26)	424 (11.79)
USA	3147089	0.76	3123066	529 (4.71)	503 (3.27)	455 (3.09)	435 (4.20)	388 (11.44)
TOT	.	1.34	.	528 (2.02)	509 (1.26)	476 (1.16)	458 (1.68)	375 (4.32)
AVG	.	1.24	.	546 (1.09)	523 (0.73)	483 (0.71)	457 (0.84)	410 (3.22)
HKG	72484	0.21	72334	587 (8.67)	580 (4.21)	535 (5.01)	486 (6.32)	. (.)
IDN	1971476	0.00	1971403	329 (7.18)	366 (4.19)	366 (4.10)	351 (8.95)	286 (5.78)
LVA	33643	0.26	33556	549 (10.28)	513 (4.20)	458 (3.51)	436 (5.51)	434 (16.10)
LIE	338	.	338	580 (14.83)	527 (7.80)	539 (9.18)	498 (14.18)	. (.)
MAC	6546	.	6546	584 (12.28)	546 (4.18)	509 (3.84)	491 (10.61)	. (.)
RUS	2153373	0.02	2152991	521 (7.57)	495 (3.89)	447 (4.35)	441 (6.91)	383 (8.18)
YUG	68596	0.57	68202	469 (6.87)	461 (3.88)	421 (3.22)	408 (5.27)	360 (9.20)
THA	637076	.	637076	449 (9.41)	432 (4.17)	409 (2.90)	398 (5.21)	378 (14.40)
TUN	150875	0.16	150640	389 (3.95)	370 (3.77)	344 (2.94)	332 (3.49)	311 (6.57)
URY	33775	0.17	33718	470 (6.30)	452 (3.48)	407 (3.50)	378 (5.10)	337 (7.41)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I learn Mathematics quickly.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	573 (3.95)	543 (2.44)	505 (2.29)	475 (5.20)	450 (9.52)
AUT	85931	1.08	85003	521 (5.34)	500 (4.31)	481 (3.60)	468 (4.73)	450 (17.29)
BEL	111831	1.79	109825	521 (4.73)	528 (3.26)	514 (2.74)	490 (4.29)	376 (17.52)
CAN	330436	9.70	298375	572 (2.77)	536 (2.37)	498 (2.41)	472 (2.86)	484 (8.67)
CZE	121183	4.09	116221	575 (6.61)	554 (3.55)	510 (3.13)	486 (5.16)	454 (30.14)
DNK	51741	0.65	51406	533 (5.13)	497 (3.33)	446 (3.49)	411 (6.18)	406 (12.20)
FIN	57884	0.07	57845	611 (5.14)	569 (2.34)	522 (2.18)	498 (3.54)	513 (17.24)
FRA	734579	0.87	728167	536 (6.60)	535 (4.00)	503 (4.00)	481 (4.18)	434 (13.41)
DEU	884358	5.57	835070	538 (5.21)	520 (3.99)	500 (4.91)	486 (5.95)	389 (14.27)
GRC	105131	0.13	104991	514 (5.81)	499 (4.59)	459 (3.69)	436 (5.93)	372 (16.80)
HUN	107044	0.06	106984	544 (5.91)	521 (3.62)	489 (3.02)	487 (4.87)	394 (19.61)
ISL	3928	0.63	3903	559 (3.64)	515 (3.07)	465 (2.94)	439 (4.00)	458 (15.41)
IRL	54850	1.03	54285	549 (6.38)	520 (3.42)	496 (2.84)	465 (5.21)	417 (14.32)
ITA	481521	0.42	479499	500 (6.53)	501 (3.76)	475 (3.75)	467 (5.39)	415 (17.16)
JPN	1240054	0.10	1238855	527 (9.97)	559 (5.50)	558 (4.36)	525 (5.68)	. (.)
KOR	533504	0.02	533393	578 (7.19)	571 (4.47)	530 (3.66)	495 (5.03)	. (.)
LUX	4080	0.08	4077	503 (4.51)	495 (2.86)	476 (3.07)	454 (3.83)	397 (15.71)
MEX	1071650	0.37	1067674	436 (8.14)	419 (4.01)	398 (3.01)	395 (4.45)	336 (7.32)
NLD	184943	3.24	178945	539 (6.54)	540 (3.68)	524 (4.07)	502 (5.70)	467 (11.95)
NZL	48638	1.13	48088	568 (6.89)	538 (3.02)	502 (3.11)	486 (6.14)	431 (14.13)
NOR	52816	0.77	52407	556 (6.22)	522 (4.04)	464 (3.12)	423 (3.59)	414 (12.33)
POL	534900	.	534900	563 (5.57)	524 (3.56)	467 (3.06)	458 (5.05)	407 (15.98)
PRT	96857	0.23	96637	499 (8.53)	492 (3.69)	455 (3.73)	430 (5.24)	414 (16.78)
SVK	77067	0.04	77034	546 (6.09)	519 (4.36)	476 (3.47)	452 (5.89)	395 (24.74)
ESP	344372	0.07	344114	523 (7.25)	512 (3.51)	480 (2.96)	444 (3.16)	371 (18.05)
SWE	107104	0.27	106810	556 (5.41)	521 (3.28)	485 (3.66)	453 (6.93)	438 (12.71)
CHE	86491	0.14	86370	532 (5.45)	528 (4.46)	498 (5.42)	487 (5.24)	462 (11.13)
TUR	481279	0.03	481137	470 (10.24)	459 (7.60)	416 (4.72)	403 (5.85)	363 (6.78)
GBR	698579	3.61	673362	559 (6.17)	532 (3.32)	506 (3.18)	486 (5.71)	421 (13.80)
USA	3147089	0.76	3123066	531 (4.56)	510 (3.52)	467 (3.58)	451 (4.52)	388 (16.74)
TOT	.	1.34	.	526 (1.98)	512 (1.33)	486 (1.17)	473 (1.69)	385 (4.43)
AVG	.	1.24	.	535 (1.07)	519 (0.71)	487 (0.73)	467 (0.88)	406 (2.82)
HKG	72484	0.21	72334	563 (7.54)	560 (4.09)	531 (4.70)	489 (6.75)	. (.)
IDN	1971476	0.00	1971403	372 (5.45)	397 (3.34)	401 (3.50)	395 (7.97)	343 (6.13)
LVA	33643	0.26	33556	545 (10.97)	515 (4.25)	467 (3.77)	450 (6.08)	435 (18.98)
LIE	338	.	338	557 (17.33)	516 (9.09)	528 (10.70)	506 (13.61)	. (.)
MAC	6546	.	6546	566 (12.64)	537 (4.60)	512 (4.78)	501 (11.28)	. (.)
RUS	2153373	0.02	2152991	539 (8.44)	513 (3.78)	471 (4.44)	462 (8.90)	389 (10.54)
YUG	68596	0.57	68202	456 (6.80)	452 (4.16)	426 (3.35)	422 (5.11)	388 (10.15)
THA	637076	.	637076	447 (8.17)	439 (3.78)	424 (2.68)	418 (5.67)	409 (15.40)
TUN	150875	0.16	150640	404 (4.62)	392 (3.95)	375 (3.04)	373 (3.81)	336 (8.13)
URY	33775	0.17	33718	472 (7.03)	464 (3.52)	427 (3.76)	408 (5.36)	358 (7.98)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I learn Mathematics quickly.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	578 (3.43)	547 (2.18)	510 (1.97)	477 (5.24)	462 (8.72)
AUT	85931	1.08	85003	545 (4.70)	519 (4.29)	493 (2.95)	472 (4.28)	456 (15.75)
BEL	111831	1.79	109825	548 (4.70)	546 (2.94)	526 (2.71)	495 (4.00)	420 (13.31)
CAN	330436	9.70	298375	583 (2.19)	548 (2.02)	509 (2.00)	480 (2.62)	500 (7.07)
CZE	121183	4.09	116221	576 (5.09)	550 (3.33)	503 (2.92)	475 (4.94)	445 (33.18)
DNK	51741	0.65	51406	571 (4.33)	538 (2.57)	488 (3.10)	453 (4.72)	460 (10.60)
FIN	57884	0.07	57845	614 (4.90)	569 (2.02)	521 (2.42)	495 (3.48)	522 (13.09)
FRA	734579	0.87	728167	545 (6.25)	543 (3.41)	511 (3.02)	484 (3.70)	458 (13.32)
DEU	884358	5.57	835070	544 (4.85)	529 (3.52)	508 (4.37)	492 (4.72)	416 (13.37)
GRC	105131	0.13	104991	487 (6.06)	468 (4.63)	424 (3.93)	397 (5.51)	311 (15.81)
HUN	107044	0.06	106984	553 (6.36)	523 (3.40)	486 (3.11)	470 (4.24)	411 (16.90)
ISL	3928	0.63	3903	567 (3.12)	526 (2.46)	475 (2.67)	451 (3.19)	462 (13.67)
IRL	54850	1.03	54285	539 (5.40)	515 (2.97)	490 (2.48)	455 (4.42)	404 (11.62)
ITA	481521	0.42	479499	491 (5.83)	490 (3.51)	455 (3.43)	440 (5.66)	366 (18.54)
JPN	1240054	0.10	1238855	545 (10.47)	568 (5.74)	556 (4.05)	517 (5.49)	. (.)
KOR	533504	0.02	533393	592 (7.18)	583 (3.99)	542 (3.14)	506 (4.25)	. (.)
LUX	4080	0.08	4077	514 (4.44)	505 (2.27)	486 (3.14)	464 (3.72)	446 (12.06)
MEX	1071650	0.37	1067674	423 (8.22)	401 (5.08)	376 (3.41)	372 (7.00)	295 (7.48)
NLD	184943	3.24	178945	540 (6.03)	538 (3.22)	516 (4.09)	488 (5.16)	465 (11.49)
NZL	48638	1.13	48088	582 (5.83)	552 (2.68)	512 (2.91)	489 (5.10)	457 (14.83)
NOR	52816	0.77	52407	559 (6.99)	529 (3.73)	469 (2.97)	425 (3.75)	447 (11.75)
POL	534900	.	534900	545 (5.11)	508 (3.47)	462 (2.74)	454 (4.37)	361 (23.52)
PRT	96857	0.23	96637	513 (7.66)	498 (3.88)	455 (4.06)	419 (5.33)	419 (20.59)
SVK	77067	0.04	77034	546 (5.05)	519 (3.48)	470 (3.44)	437 (5.40)	435 (23.31)
ESP	344372	0.07	344114	518 (6.09)	507 (3.48)	475 (2.93)	438 (3.21)	377 (15.80)
SWE	107104	0.27	106810	559 (4.28)	523 (3.20)	488 (2.87)	452 (5.80)	458 (10.80)
CHE	86491	0.14	86370	544 (5.52)	535 (3.66)	506 (4.00)	496 (4.61)	466 (11.05)
TUR	481279	0.03	481137	450 (9.77)	436 (7.20)	390 (4.55)	372 (6.21)	304 (5.91)
GBR	698579	3.61	673362	553 (6.04)	524 (3.06)	496 (3.12)	473 (5.32)	437 (11.99)
USA	3147089	0.76	3123066	521 (4.76)	498 (3.45)	451 (3.24)	429 (4.38)	378 (12.37)
TOT	.	1.34	.	522 (2.07)	508 (1.27)	480 (1.27)	464 (1.87)	368 (4.50)
AVG	.	1.24	.	539 (1.05)	521 (0.74)	486 (0.77)	463 (0.97)	406 (3.40)
HKG	72484	0.21	72334	581 (8.15)	572 (3.97)	535 (4.65)	494 (6.21)	. (.)
IDN	1971476	0.00	1971403	332 (6.61)	363 (3.48)	370 (3.56)	361 (7.98)	299 (5.29)
LVA	33643	0.26	33556	538 (11.47)	510 (4.07)	461 (4.03)	437 (6.32)	413 (18.20)
LIE	338	.	338	566 (14.12)	522 (7.16)	534 (8.20)	497 (13.85)	. (.)
MAC	6546	.	6546	566 (11.67)	548 (4.24)	519 (3.62)	506 (11.64)	. (.)
RUS	2153373	0.02	2152991	532 (8.60)	504 (4.33)	458 (4.77)	452 (8.02)	370 (10.72)
YUG	68596	0.57	68202	441 (6.64)	442 (3.29)	410 (3.31)	400 (5.26)	340 (10.13)
THA	637076	.	637076	455 (9.69)	437 (4.02)	418 (2.82)	415 (4.84)	364 (16.41)
TUN	150875	0.16	150640	364 (3.58)	354 (3.10)	335 (2.84)	329 (3.52)	302 (5.88)
URY	33775	0.17	33718	456 (6.97)	438 (4.07)	397 (4.14)	371 (6.23)	323 (9.09)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I have always believed that Mathematics is one of my best subjects.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	11.59 (0.41)	26.22 (0.49)	39.22 (0.55)	21.85 (0.57)	1.11 (0.13)
AUT	85931	1.08	85003	12.88 (0.50)	19.70 (0.62)	31.17 (1.00)	34.62 (1.04)	1.62 (0.64)
BEL	111831	1.79	109825	8.79 (0.39)	20.55 (0.57)	37.78 (0.61)	29.43 (0.62)	3.46 (0.46)
CAN	330436	9.70	298375	16.26 (0.36)	23.56 (0.43)	32.64 (0.41)	25.72 (0.47)	1.82 (0.14)
CZE	121183	4.09	116221	9.19 (0.42)	20.93 (0.68)	43.53 (0.88)	25.12 (0.75)	1.24 (0.34)
DNK	51741	0.65	51406	19.33 (0.71)	27.90 (0.71)	30.60 (0.73)	19.96 (0.63)	2.20 (0.21)
FIN	57884	0.07	57845	10.48 (0.42)	22.09 (0.67)	37.47 (0.76)	29.27 (0.78)	0.70 (0.11)
FRA	734579	0.87	728167	9.55 (0.49)	16.36 (0.53)	34.69 (0.65)	37.34 (0.98)	2.06 (0.22)
DEU	884358	5.57	835070	15.63 (0.64)	19.29 (0.61)	32.83 (0.66)	30.43 (0.64)	1.81 (0.27)
GRC	105131	0.13	104991	13.15 (0.56)	30.57 (0.83)	42.62 (0.81)	12.03 (0.47)	1.64 (0.24)
HUN	107044	0.06	106984	10.75 (0.50)	21.70 (0.71)	39.82 (0.93)	26.90 (0.78)	0.83 (0.15)
ISL	3928	0.63	3903	14.42 (0.60)	25.98 (0.73)	33.38 (0.83)	25.47 (0.68)	0.75 (.)
IRL	54850	1.03	54285	8.80 (0.56)	22.86 (0.88)	41.94 (0.87)	24.91 (0.90)	1.50 (0.24)
ITA	481521	0.42	479499	12.24 (0.48)	23.72 (0.61)	40.62 (0.69)	22.40 (0.81)	1.02 (0.14)
JPN	1240054	0.10	1238855	8.19 (0.43)	18.50 (0.62)	37.56 (0.84)	35.08 (0.95)	0.66 (.)
KOR	533504	0.02	533393	10.10 (0.45)	19.80 (0.56)	38.71 (0.68)	31.12 (0.79)	0.27 (.)
LUX	4080	0.08	4077	15.08 (0.56)	18.97 (0.63)	31.48 (0.67)	32.85 (0.71)	1.62 (0.18)
MEX	1071650	0.37	1067674	12.45 (0.62)	28.19 (0.70)	39.80 (0.96)	12.70 (0.58)	6.86 (0.61)
NLD	184943	3.28	178881	9.02 (0.60)	23.45 (0.74)	40.02 (0.78)	25.93 (0.94)	1.58 (0.33)
NZL	48638	1.11	48097	12.60 (0.49)	26.71 (0.73)	37.73 (0.86)	22.44 (0.84)	0.52 (.)
NOR	52816	0.77	52407	12.24 (0.54)	17.89 (0.64)	31.20 (0.86)	36.93 (0.82)	1.75 (0.37)
POL	534900	.	534900	12.12 (0.51)	24.30 (0.71)	44.34 (0.89)	17.97 (0.67)	1.26 (0.24)
PRT	96857	0.23	96637	7.96 (0.42)	18.60 (0.67)	42.64 (0.74)	29.06 (0.67)	1.75 (0.30)
SVK	77067	0.04	77034	7.37 (0.42)	19.90 (0.59)	50.09 (0.97)	20.93 (0.73)	1.70 (0.49)
ESP	344372	0.07	344114	8.04 (0.41)	22.09 (0.59)	39.99 (0.75)	28.38 (0.74)	1.50 (0.19)
SWE	107104	0.27	106810	10.22 (0.53)	20.21 (0.70)	37.80 (0.69)	30.16 (1.00)	1.61 (0.18)
CHE	86491	0.14	86370	14.73 (0.50)	21.81 (0.61)	31.93 (0.76)	29.74 (0.73)	1.80 (0.21)
TUR	481279	0.03	481137	18.20 (1.08)	24.41 (0.80)	33.41 (0.92)	16.94 (0.81)	7.04 (0.81)
GBR	698579	3.63	673219	11.74 (0.60)	25.59 (0.64)	37.49 (0.69)	23.87 (0.67)	1.30 (0.17)
USA	3147089	0.76	3123066	17.77 (0.64)	25.59 (0.67)	32.23 (0.73)	22.31 (0.58)	2.09 (0.25)
TOT	.	1.34	.	13.27 (0.18)	23.12 (0.23)	36.30 (0.27)	25.05 (0.23)	2.25 (0.10)
AVG	.	1.24	.	12.02 (0.11)	22.58 (0.13)	37.51 (0.16)	26.05 (0.13)	1.84 (0.06)
HKG	72484	0.21	72334	10.29 (0.47)	21.18 (0.70)	39.61 (0.82)	28.68 (0.74)	0.25 (.)
IDN	1971476	0.00	1971403	10.09 (0.56)	44.50 (0.97)	37.66 (0.88)	3.49 (0.32)	4.26 (0.46)
LVA	33643	0.23	33565	5.87 (0.45)	18.33 (0.69)	51.73 (0.82)	23.16 (0.84)	0.91 (0.18)
LIE	338	.	338	15.07 (1.63)	19.83 (2.24)	32.00 (2.25)	32.50 (2.43)	0.59 (.)
MAC	6546	.	6546	9.91 (1.07)	16.05 (1.37)	44.16 (1.67)	29.46 (1.14)	0.41 (.)
RUS	2153373	0.02	2152991	10.91 (0.56)	29.92 (0.91)	45.87 (0.92)	11.20 (0.58)	2.09 (0.24)
YUG	68596	0.57	68202	9.07 (0.52)	26.43 (0.93)	44.94 (1.01)	12.40 (0.74)	7.17 (0.78)
THA	637076	.	637076	7.59 (0.41)	37.31 (1.00)	47.48 (1.08)	6.61 (0.42)	1.01 (0.18)
TUN	150875	0.16	150640	26.98 (0.80)	24.83 (0.64)	28.85 (0.72)	14.95 (0.70)	4.40 (0.27)
URY	33775	0.17	33718	15.05 (0.71)	22.83 (0.71)	36.25 (0.72)	20.21 (0.66)	5.67 (0.39)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I have always believed that Mathematics is one of my best subjects.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	554 (4.00)	542 (2.87)	518 (2.43)	512 (3.00)	406 (11.79)
AUT	85931	1.08	85003	500 (5.60)	488 (5.83)	490 (4.58)	499 (3.76)	445 (30.22)
BEL	111831	1.79	109825	524 (5.43)	525 (3.85)	514 (2.96)	511 (3.35)	348 (21.36)
CAN	330436	9.70	298375	560 (2.53)	544 (2.45)	523 (2.12)	516 (2.22)	489 (7.09)
CZE	121183	4.09	116221	518 (5.57)	517 (3.72)	489 (3.39)	487 (3.68)	419 (24.73)
DNK	51741	0.65	51406	508 (4.35)	505 (3.66)	487 (3.47)	476 (4.21)	429 (16.80)
FIN	57884	0.07	57845	576 (4.51)	564 (2.75)	536 (1.97)	527 (2.64)	513 (18.05)
FRA	734579	0.87	728167	502 (6.70)	511 (5.12)	499 (3.70)	494 (3.26)	407 (12.66)
DEU	884358	5.57	835070	507 (5.82)	504 (4.40)	499 (3.93)	506 (4.40)	358 (13.40)
GRC	105131	0.13	104991	500 (6.18)	488 (5.07)	465 (4.04)	448 (5.68)	330 (22.27)
HUN	107044	0.06	106984	472 (6.09)	475 (4.39)	482 (2.68)	495 (3.64)	359 (22.38)
ISL	3928	0.63	3903	521 (5.04)	510 (2.96)	484 (2.97)	471 (3.52)	. (.)
IRL	54850	1.03	54285	547 (6.17)	527 (4.07)	512 (3.15)	504 (3.51)	405 (17.19)
ITA	481521	0.42	479499	490 (5.13)	490 (3.84)	471 (3.44)	468 (4.66)	367 (18.98)
JPN	1240054	0.10	1238855	489 (7.31)	506 (5.55)	504 (4.31)	494 (4.60)	. (.)
KOR	533504	0.02	533393	570 (4.64)	558 (4.36)	528 (3.45)	516 (3.78)	. (.)
LUX	4080	0.08	4077	471 (4.65)	483 (3.63)	479 (2.87)	488 (2.81)	359 (18.32)
MEX	1071650	0.37	1067674	415 (6.84)	397 (6.16)	407 (3.28)	418 (5.93)	308 (7.20)
NLD	184943	3.28	178881	522 (5.78)	524 (4.16)	511 (3.03)	521 (3.75)	487 (12.42)
NZL	48638	1.11	48097	546 (5.54)	533 (4.32)	517 (2.93)	512 (4.13)	. (.)
NOR	52816	0.77	52407	533 (6.22)	530 (4.23)	506 (3.49)	474 (2.92)	416 (22.54)
POL	534900	.	534900	528 (4.99)	508 (4.57)	488 (3.21)	493 (4.18)	347 (20.02)
PRT	96857	0.23	96637	509 (5.87)	485 (5.74)	478 (4.11)	467 (3.79)	424 (17.14)
SVK	77067	0.04	77034	500 (7.11)	489 (5.31)	464 (3.36)	459 (3.93)	371 (27.65)
ESP	344372	0.07	344114	495 (5.73)	497 (4.46)	484 (2.92)	466 (2.91)	353 (17.58)
SWE	107104	0.27	106810	543 (6.64)	531 (4.69)	513 (3.02)	499 (3.00)	447 (16.38)
CHE	86491	0.14	86370	497 (5.10)	500 (5.67)	499 (3.87)	505 (3.24)	398 (16.88)
TUR	481279	0.03	481137	474 (9.74)	447 (7.57)	440 (5.61)	436 (4.69)	351 (6.37)
GBR	698579	3.63	673219	535 (5.49)	519 (3.16)	499 (3.46)	496 (3.50)	409 (17.43)
USA	3147089	0.76	3123066	525 (5.13)	508 (4.12)	487 (3.51)	482 (3.99)	371 (15.70)
TOT	.	1.34	.	509 (2.24)	496 (1.75)	485 (1.33)	488 (1.26)	357 (4.61)
AVG	.	1.24	.	513 (1.12)	506 (1.00)	492 (0.79)	491 (0.68)	380 (3.50)
HKG	72484	0.21	72334	533 (4.33)	518 (4.95)	506 (4.28)	502 (4.50)	. (.)
IDN	1971476	0.00	1971403	371 (6.78)	382 (3.46)	390 (3.55)	396 (8.73)	309 (9.09)
LVA	33643	0.23	33565	519 (8.56)	500 (6.55)	486 (3.57)	490 (4.68)	407 (27.39)
LIE	338	.	338	530 (13.51)	509 (10.55)	522 (8.23)	536 (8.56)	. (.)
MAC	6546	.	6546	526 (9.14)	500 (5.42)	490 (3.51)	497 (4.08)	. (.)
RUS	2153373	0.02	2152991	464 (6.04)	450 (5.16)	437 (3.77)	446 (5.80)	326 (11.43)
YUG	68596	0.57	68202	422 (6.99)	428 (4.76)	412 (3.26)	414 (4.77)	342 (9.46)
THA	637076	.	637076	431 (6.02)	414 (3.40)	422 (3.13)	439 (5.42)	359 (16.96)
TUN	150875	0.16	150640	382 (4.51)	372 (4.29)	378 (4.07)	380 (4.25)	312 (9.13)
URY	33775	0.17	33718	465 (6.15)	446 (6.27)	433 (4.03)	426 (5.38)	341 (7.42)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I have always believed that Mathematics is one of my best subjects.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	582 (4.31)	555 (2.73)	512 (2.06)	485 (2.73)	438 (11.36)
AUT	85931	1.08	85003	546 (5.40)	523 (5.06)	505 (3.72)	489 (3.71)	449 (19.02)
BEL	111831	1.79	109825	573 (5.45)	565 (3.74)	536 (2.82)	511 (3.02)	389 (19.73)
CAN	330436	9.70	298375	591 (2.59)	560 (2.32)	522 (2.00)	499 (1.96)	496 (7.55)
CZE	121183	4.09	116221	575 (5.82)	560 (4.29)	512 (3.59)	493 (3.39)	442 (26.03)
DNK	51741	0.65	51406	564 (4.08)	538 (3.58)	498 (3.52)	466 (3.80)	457 (16.77)
FIN	57884	0.07	57845	623 (4.77)	585 (2.58)	534 (1.84)	499 (2.45)	520 (15.54)
FRA	734579	0.87	728167	544 (6.86)	547 (4.73)	515 (3.06)	489 (2.72)	446 (10.85)
DEU	884358	5.57	835070	546 (5.54)	531 (4.21)	507 (3.96)	492 (4.09)	395 (9.89)
GRC	105131	0.13	104991	503 (5.91)	475 (4.42)	423 (3.76)	396 (4.59)	354 (15.86)
HUN	107044	0.06	106984	485 (6.28)	493 (4.42)	492 (3.08)	489 (3.54)	401 (20.31)
ISL	3928	0.63	3903	574 (4.28)	550 (2.69)	502 (2.52)	467 (2.82)	. (.)
IRL	54850	1.03	54285	562 (6.31)	530 (3.96)	496 (2.92)	473 (3.19)	403 (13.99)
ITA	481521	0.42	479499	503 (4.63)	494 (3.47)	456 (3.42)	437 (4.22)	394 (14.58)
JPN	1240054	0.10	1238855	552 (7.00)	559 (5.81)	541 (4.14)	512 (4.52)	. (.)
KOR	533504	0.02	533393	613 (4.81)	585 (4.44)	533 (3.65)	504 (3.19)	. (.)
LUX	4080	0.08	4077	517 (4.02)	509 (3.05)	490 (2.58)	480 (2.37)	425 (14.41)
MEX	1071650	0.37	1067674	416 (6.56)	390 (5.14)	386 (3.09)	385 (4.80)	306 (6.78)
NLD	184943	3.28	178881	576 (5.70)	565 (4.40)	537 (3.21)	525 (4.05)	481 (12.38)
NZL	48638	1.11	48097	582 (5.24)	549 (3.61)	513 (2.32)	487 (3.52)	. (.)
NOR	52816	0.77	52407	560 (5.32)	540 (3.52)	500 (2.97)	452 (2.38)	419 (15.41)
POL	534900	.	534900	549 (5.43)	518 (4.09)	475 (2.46)	460 (3.22)	366 (14.67)
PRT	96857	0.23	96637	524 (5.83)	496 (5.08)	464 (3.75)	438 (3.25)	419 (14.45)
SVK	77067	0.04	77034	556 (7.41)	533 (5.68)	490 (3.51)	471 (3.70)	408 (30.19)
ESP	344372	0.07	344114	524 (6.25)	518 (3.78)	485 (2.75)	454 (2.62)	385 (15.71)
SWE	107104	0.27	106810	576 (7.51)	545 (4.91)	503 (2.62)	474 (2.82)	459 (13.64)
CHE	86491	0.14	86370	561 (5.31)	544 (5.26)	523 (4.07)	506 (3.67)	438 (14.54)
TUR	481279	0.03	481137	474 (11.58)	440 (8.41)	417 (5.59)	401 (4.59)	323 (6.30)
GBR	698579	3.63	673219	564 (4.97)	533 (3.07)	495 (3.10)	477 (3.27)	416 (16.65)
USA	3147089	0.76	3123066	530 (4.78)	502 (4.05)	470 (3.02)	453 (3.42)	390 (13.37)
TOT	.	1.34	.	530 (2.10)	508 (1.75)	483 (1.18)	473 (1.18)	369 (4.35)
AVG	.	1.24	.	546 (1.25)	525 (0.97)	493 (0.72)	477 (0.66)	395 (3.41)
HKG	72484	0.21	72334	607 (5.55)	574 (5.80)	543 (5.27)	523 (4.97)	. (.)
IDN	1971476	0.00	1971403	360 (7.62)	365 (4.01)	363 (4.28)	353 (9.25)	283 (6.75)
LVA	33643	0.23	33565	544 (7.61)	512 (6.78)	477 (3.30)	463 (3.94)	421 (23.15)
LIE	338	.	338	580 (15.67)	535 (11.91)	528 (8.96)	522 (8.44)	. (.)
MAC	6546	.	6546	597 (11.62)	538 (7.56)	520 (4.30)	508 (5.50)	. (.)
RUS	2153373	0.02	2152991	504 (6.79)	482 (4.96)	459 (4.18)	453 (4.88)	379 (7.97)
YUG	68596	0.57	68202	470 (6.72)	465 (5.03)	431 (3.18)	417 (4.39)	364 (8.55)
THA	637076	.	637076	443 (6.20)	417 (3.68)	413 (3.19)	417 (5.62)	377 (14.82)
TUN	150875	0.16	150640	384 (3.84)	362 (3.22)	351 (3.21)	337 (3.06)	312 (6.33)
URY	33775	0.17	33718	476 (5.20)	446 (4.59)	417 (3.15)	393 (3.96)	327 (6.73)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I have always believed that Mathematics is one of my best subjects.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	571 (4.51)	550 (2.78)	514 (2.30)	496 (2.80)	434 (12.10)
AUT	85931	1.08	85003	516 (5.17)	498 (5.16)	490 (4.42)	487 (3.79)	426 (24.38)
BEL	111831	1.79	109825	537 (5.26)	534 (3.72)	515 (2.82)	501 (3.21)	361 (17.17)
CAN	330436	9.70	298375	570 (2.71)	544 (2.70)	511 (2.41)	491 (2.35)	474 (9.14)
CZE	121183	4.09	116221	566 (6.97)	558 (4.45)	520 (3.67)	508 (3.83)	454 (26.15)
DNK	51741	0.65	51406	517 (4.43)	496 (4.90)	462 (3.44)	436 (4.69)	404 (17.48)
FIN	57884	0.07	57845	610 (4.99)	582 (3.99)	538 (2.40)	514 (2.77)	518 (17.46)
FRA	734579	0.87	728167	536 (7.66)	540 (6.39)	514 (3.96)	497 (3.38)	428 (15.75)
DEU	884358	5.57	835070	537 (6.18)	526 (4.16)	508 (4.33)	500 (4.63)	377 (12.47)
GRC	105131	0.13	104991	524 (6.30)	504 (4.45)	466 (4.21)	441 (5.15)	401 (17.20)
HUN	107044	0.06	106984	495 (6.58)	500 (4.23)	503 (3.21)	513 (3.84)	394 (22.81)
ISL	3928	0.63	3903	541 (4.82)	523 (3.07)	484 (2.72)	458 (2.86)	. (.)
IRL	54850	1.03	54285	556 (6.97)	524 (4.59)	499 (3.25)	485 (3.72)	415 (14.75)
ITA	481521	0.42	479499	512 (5.69)	505 (3.98)	479 (3.82)	471 (4.81)	400 (18.71)
JPN	1240054	0.10	1238855	550 (7.52)	563 (6.07)	553 (4.47)	536 (4.80)	. (.)
KOR	533504	0.02	533393	596 (5.51)	572 (4.98)	530 (4.24)	510 (3.78)	. (.)
LUX	4080	0.08	4077	497 (4.90)	497 (3.94)	481 (2.99)	475 (2.56)	370 (17.42)
MEX	1071650	0.37	1067674	428 (7.31)	405 (5.06)	408 (2.75)	409 (4.04)	337 (6.49)
NLD	184943	3.28	178881	550 (7.34)	545 (4.99)	522 (3.59)	520 (4.37)	461 (15.25)
NZL	48638	1.11	48097	561 (5.58)	540 (4.12)	512 (2.79)	499 (3.95)	. (.)
NOR	52816	0.77	52407	543 (6.11)	527 (4.49)	490 (3.68)	446 (2.65)	380 (18.03)
POL	534900	.	534900	555 (5.54)	521 (4.45)	482 (3.47)	474 (4.74)	400 (16.06)
PRT	96857	0.23	96637	508 (6.30)	487 (5.19)	467 (3.94)	451 (3.75)	410 (13.88)
SVK	77067	0.04	77034	542 (8.39)	521 (7.05)	488 (3.52)	478 (4.23)	386 (27.28)
ESP	344372	0.07	344114	516 (6.66)	514 (4.22)	489 (3.09)	462 (2.70)	369 (19.66)
SWE	107104	0.27	106810	557 (7.17)	532 (5.31)	504 (3.71)	479 (3.21)	444 (17.11)
CHE	86491	0.14	86370	535 (5.69)	525 (5.73)	509 (5.08)	502 (3.48)	438 (16.59)
TUR	481279	0.03	481137	474 (10.40)	444 (7.69)	428 (5.43)	419 (4.88)	362 (7.07)
GBR	698579	3.63	673219	565 (5.43)	539 (3.58)	507 (3.36)	496 (3.55)	416 (18.89)
USA	3147089	0.76	3123066	530 (5.00)	506 (4.01)	480 (3.41)	470 (3.88)	388 (16.68)
TOT	.	1.34	.	527 (2.16)	509 (1.68)	491 (1.23)	487 (1.25)	379 (4.35)
AVG	.	1.24	.	534 (1.25)	519 (1.01)	495 (0.75)	484 (0.64)	394 (3.15)
HKG	72484	0.21	72334	579 (5.10)	553 (5.65)	536 (4.79)	522 (4.85)	. (.)
IDN	1971476	0.00	1971403	394 (6.14)	398 (3.35)	398 (3.56)	397 (8.05)	342 (6.43)
LVA	33643	0.23	33565	538 (8.26)	510 (6.80)	484 (3.80)	475 (4.38)	431 (35.85)
LIE	338	.	338	560 (15.24)	520 (11.60)	517 (8.83)	520 (9.10)	. (.)
MAC	6546	.	6546	579 (13.20)	535 (6.85)	519 (4.55)	510 (5.27)	. (.)
RUS	2153373	0.02	2152991	519 (6.85)	500 (5.54)	482 (4.02)	481 (5.46)	387 (11.45)
YUG	68596	0.57	68202	453 (6.59)	455 (5.05)	432 (3.34)	431 (4.94)	390 (9.64)
THA	637076	.	637076	446 (5.90)	426 (3.36)	428 (3.00)	439 (5.80)	401 (16.66)
TUN	150875	0.16	150640	399 (3.92)	383 (4.19)	383 (3.42)	378 (3.72)	337 (8.49)
URY	33775	0.17	33718	477 (5.89)	455 (4.91)	435 (3.22)	422 (3.47)	348 (7.10)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I have always believed that Mathematics is one of my best subjects.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	577 (4.11)	555 (2.47)	519 (1.96)	499 (2.81)	448 (11.03)
AUT	85931	1.08	85003	544 (5.11)	519 (4.98)	505 (3.64)	494 (3.41)	436 (19.85)
BEL	111831	1.79	109825	566 (5.21)	557 (3.71)	530 (2.70)	508 (2.95)	406 (12.73)
CAN	330436	9.70	298375	583 (2.24)	556 (2.40)	521 (2.05)	500 (2.05)	493 (7.48)
CZE	121183	4.09	116221	569 (5.79)	555 (4.06)	514 (3.43)	497 (3.68)	446 (29.03)
DNK	51741	0.65	51406	558 (4.07)	538 (3.53)	503 (3.27)	477 (3.43)	455 (16.95)
FIN	57884	0.07	57845	614 (4.84)	582 (2.65)	539 (2.00)	511 (2.67)	521 (13.72)
FRA	734579	0.87	728167	547 (6.82)	551 (4.57)	525 (3.39)	500 (3.14)	446 (12.52)
DEU	884358	5.57	835070	546 (5.45)	532 (4.09)	517 (3.92)	506 (3.98)	404 (11.84)
GRC	105131	0.13	104991	498 (6.29)	475 (4.85)	432 (3.63)	402 (5.41)	344 (14.59)
HUN	107044	0.06	106984	496 (6.17)	501 (4.60)	504 (3.07)	501 (3.64)	412 (18.92)
ISL	3928	0.63	3903	553 (4.23)	533 (2.86)	493 (2.31)	468 (2.75)	. (.)
IRL	54850	1.03	54285	549 (5.58)	520 (3.95)	493 (2.60)	474 (2.94)	401 (13.03)
ITA	481521	0.42	479499	505 (5.13)	495 (3.81)	461 (3.45)	444 (4.33)	373 (17.97)
JPN	1240054	0.10	1238855	565 (7.37)	571 (6.27)	554 (4.20)	526 (4.68)	. (.)
KOR	533504	0.02	533393	606 (4.86)	586 (4.16)	542 (3.45)	521 (3.39)	. (.)
LUX	4080	0.08	4077	511 (4.69)	508 (3.22)	491 (2.89)	483 (2.22)	437 (14.87)
MEX	1071650	0.37	1067674	414 (7.40)	386 (6.08)	388 (3.66)	390 (5.94)	297 (7.98)
NLD	184943	3.28	178881	551 (6.10)	544 (4.52)	517 (3.31)	507 (4.28)	456 (14.01)
NZL	48638	1.11	48097	580 (5.16)	554 (3.60)	524 (2.62)	504 (3.86)	. (.)
NOR	52816	0.77	52407	548 (5.97)	533 (4.11)	496 (3.52)	449 (2.68)	422 (17.42)
POL	534900	.	534900	537 (5.34)	507 (4.14)	475 (2.80)	466 (3.59)	342 (22.55)
PRT	96857	0.23	96637	524 (6.19)	495 (5.50)	469 (4.38)	444 (3.91)	422 (17.46)
SVK	77067	0.04	77034	545 (7.43)	526 (5.17)	484 (3.53)	466 (4.12)	416 (30.98)
ESP	344372	0.07	344114	515 (6.20)	511 (3.89)	483 (3.00)	455 (3.01)	372 (17.02)
SWE	107104	0.27	106810	556 (6.55)	537 (4.27)	505 (2.71)	481 (2.63)	453 (14.80)
CHE	86491	0.14	86370	546 (5.21)	534 (4.67)	519 (3.93)	508 (3.16)	426 (14.90)
TUR	481279	0.03	481137	452 (10.18)	422 (7.88)	403 (4.91)	390 (4.56)	305 (6.70)
GBR	698579	3.63	673219	559 (5.08)	533 (2.96)	498 (3.02)	482 (3.72)	431 (16.52)
USA	3147089	0.76	3123066	522 (4.98)	496 (4.31)	465 (3.19)	449 (3.58)	377 (14.31)
TOT	.	1.34	.	524 (2.19)	504 (1.89)	485 (1.27)	478 (1.27)	360 (4.56)
AVG	.	1.24	.	538 (1.25)	521 (1.06)	495 (0.76)	482 (0.66)	390 (3.53)
HKG	72484	0.21	72334	597 (4.55)	565 (5.63)	542 (4.79)	526 (4.65)	. (.)
IDN	1971476	0.00	1971403	358 (6.41)	363 (3.35)	367 (3.78)	366 (9.60)	295 (6.30)
LVA	33643	0.23	33565	536 (8.25)	508 (7.40)	476 (3.55)	467 (4.63)	402 (26.85)
LIE	338	.	338	570 (15.28)	525 (13.22)	523 (8.13)	520 (8.05)	. (.)
MAC	6546	.	6546	583 (9.45)	540 (6.52)	527 (4.51)	520 (5.29)	. (.)
RUS	2153373	0.02	2152991	513 (6.60)	491 (6.11)	470 (4.34)	470 (5.51)	365 (10.75)
YUG	68596	0.57	68202	441 (6.62)	444 (4.49)	418 (2.92)	409 (4.20)	344 (9.19)
THA	637076	.	637076	446 (6.35)	424 (3.47)	422 (3.08)	431 (5.37)	363 (16.34)
TUN	150875	0.16	150640	360 (3.44)	346 (3.09)	341 (3.11)	336 (3.53)	297 (5.81)
URY	33775	0.17	33718	458 (6.68)	430 (5.41)	408 (4.18)	385 (4.02)	312 (7.24)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I feel helpless when doing a Mathematics problem.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	4.20 (0.23)	15.55 (0.42)	59.75 (0.52)	19.17 (0.52)	1.32 (0.15)
AUT	85931	1.08	85003	6.36 (0.42)	16.82 (0.58)	38.86 (0.86)	36.44 (0.91)	1.52 (0.63)
BEL	111831	1.79	109825	7.39 (0.39)	20.38 (0.46)	51.63 (0.67)	16.99 (0.52)	3.60 (0.48)
CAN	330436	9.70	298375	6.26 (0.21)	16.77 (0.38)	51.05 (0.54)	23.34 (0.46)	2.58 (0.16)
CZE	121183	4.09	116221	6.09 (0.53)	22.88 (0.72)	55.72 (0.89)	13.99 (0.43)	1.32 (0.34)
DNK	51741	0.65	51406	4.40 (0.31)	11.85 (0.59)	45.79 (0.95)	35.41 (0.90)	2.54 (0.26)
FIN	57884	0.07	57845	5.41 (0.36)	19.92 (0.59)	51.03 (0.81)	22.93 (0.59)	0.70 (0.12)
FRA	734579	0.87	728167	11.24 (0.47)	25.29 (0.74)	44.28 (0.84)	16.97 (0.66)	2.22 (0.26)
DEU	884358	5.57	835070	6.08 (0.37)	16.23 (0.63)	37.45 (0.74)	38.09 (0.72)	2.15 (0.25)
GRC	105131	0.13	104991	9.79 (0.50)	27.54 (0.88)	42.87 (0.83)	18.19 (0.76)	1.61 (0.23)
HUN	107044	0.06	106984	5.71 (0.40)	23.13 (0.71)	55.70 (0.84)	14.36 (0.56)	1.09 (0.18)
ISL	3928	0.63	3903	7.50 (0.45)	19.85 (0.65)	42.86 (0.86)	28.87 (0.75)	0.92 (0.17)
IRL	54850	1.03	54285	6.27 (0.40)	19.66 (0.63)	54.61 (0.85)	17.90 (0.70)	1.56 (0.27)
ITA	481521	0.42	479499	10.07 (0.47)	33.58 (0.64)	43.74 (0.66)	11.61 (0.39)	1.00 (0.13)
JPN	1240054	0.10	1238855	12.76 (0.61)	21.92 (0.65)	53.27 (0.88)	11.26 (0.62)	0.78 (0.21)
KOR	533504	0.02	533393	12.51 (0.50)	31.81 (0.76)	43.83 (0.83)	11.52 (0.44)	0.34 (.)
LUX	4080	0.08	4077	9.42 (0.42)	20.41 (0.63)	40.79 (0.69)	27.25 (0.63)	2.13 (0.22)
MEX	1071650	0.37	1067674	4.61 (0.40)	20.08 (0.68)	48.39 (0.89)	19.28 (0.93)	7.65 (0.68)
NLD	184943	3.34	178768	3.29 (0.34)	13.43 (0.55)	60.57 (0.89)	20.97 (0.79)	1.74 (0.33)
NZL	48638	1.18	48064	4.05 (0.33)	17.08 (0.57)	58.79 (0.74)	19.09 (0.56)	0.98 (0.18)
NOR	52816	0.77	52407	11.35 (0.61)	18.70 (0.70)	43.02 (0.90)	24.45 (0.77)	2.48 (0.41)
POL	534900	.	534900	5.45 (0.38)	24.70 (0.77)	50.21 (0.86)	18.39 (0.64)	1.25 (0.23)
PRT	96857	0.23	96637	6.34 (0.36)	28.36 (0.90)	51.07 (0.87)	12.22 (0.46)	2.00 (0.28)
SVK	77067	0.04	77034	5.09 (0.39)	22.31 (0.66)	56.37 (0.80)	14.27 (0.55)	1.96 (0.56)
ESP	344372	0.07	344114	7.78 (0.39)	22.49 (0.60)	52.85 (0.74)	15.38 (0.52)	1.50 (0.18)
SWE	107104	0.27	106810	3.38 (0.25)	13.32 (0.56)	52.32 (0.68)	29.39 (0.61)	1.58 (0.27)
CHE	86491	0.14	86370	5.47 (0.28)	19.31 (0.60)	41.70 (0.77)	31.01 (0.83)	2.52 (0.23)
TUR	481279	0.03	481137	11.67 (0.57)	30.76 (0.86)	37.97 (0.96)	12.55 (0.75)	7.05 (0.76)
GBR	698579	3.61	673362	4.49 (0.36)	16.83 (0.48)	56.56 (0.76)	20.42 (0.68)	1.70 (0.20)
USA	3147089	0.76	3123066	5.79 (0.31)	16.54 (0.54)	51.25 (0.64)	24.24 (0.65)	2.18 (0.29)
TOT	.	1.34	.	7.43 (0.12)	20.77 (0.20)	49.12 (0.27)	20.22 (0.23)	2.46 (0.11)
AVG	.	1.25	.	7.02 (0.07)	20.96 (0.14)	49.13 (0.17)	20.83 (0.13)	2.07 (0.06)
HKG	72484	0.21	72334	8.57 (0.45)	25.90 (0.57)	52.24 (0.71)	12.89 (0.63)	0.41 (.)
IDN	1971476	0.00	1971403	2.85 (0.26)	32.71 (1.04)	54.16 (1.00)	5.70 (0.44)	4.58 (0.46)
LVA	33643	0.26	33556	4.19 (0.39)	19.51 (0.86)	57.46 (0.85)	17.90 (0.79)	0.94 (0.14)
LIE	338	.	338	3.00 (.)	19.11 (2.31)	43.89 (2.42)	32.82 (2.31)	1.19 (.)
MAC	6546	.	6546	9.09 (0.98)	27.92 (1.70)	49.21 (1.77)	13.03 (1.16)	0.75 (.)
RUS	2153373	0.02	2152991	3.84 (0.26)	19.70 (0.73)	56.91 (0.76)	17.16 (0.61)	2.39 (0.29)
YUG	68596	0.57	68202	7.28 (0.48)	22.89 (0.90)	48.95 (1.08)	13.89 (0.77)	7.00 (0.76)
THA	637076	.	637076	5.58 (0.30)	38.78 (0.89)	49.45 (0.99)	4.82 (0.32)	1.36 (0.18)
TUN	150875	0.16	150640	13.71 (0.47)	23.71 (0.68)	37.40 (0.70)	20.87 (0.68)	4.31 (0.28)
URY	33775	0.17	33718	5.21 (0.30)	19.22 (0.64)	49.56 (0.91)	19.88 (0.65)	6.13 (0.43)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I feel helpless when doing a Mathematics problem.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	486 (5.66)	496 (3.10)	530 (2.04)	555 (3.32)	402 (10.71)
AUT	85931	1.08	85003	475 (7.30)	485 (4.04)	494 (4.27)	501 (4.12)	462 (27.11)
BEL	111831	1.79	109825	483 (5.71)	496 (4.68)	524 (2.79)	530 (3.68)	358 (21.14)
CAN	330436	9.70	298375	495 (3.51)	506 (2.84)	533 (1.78)	559 (2.29)	492 (6.79)
CZE	121183	4.09	116221	467 (7.77)	471 (3.52)	506 (3.00)	517 (4.51)	418 (23.35)
DNK	51741	0.65	51406	447 (7.65)	460 (5.63)	489 (3.23)	519 (3.46)	417 (14.38)
FIN	57884	0.07	57845	515 (4.85)	524 (3.22)	545 (1.86)	564 (3.01)	500 (20.30)
FRA	734579	0.87	728167	471 (5.21)	483 (3.57)	510 (3.10)	514 (4.15)	408 (12.40)
DEU	884358	5.57	835070	474 (7.51)	490 (5.51)	503 (3.81)	515 (3.72)	371 (14.60)
GRC	105131	0.13	104991	462 (6.44)	457 (3.95)	480 (4.68)	495 (5.89)	346 (21.84)
HUN	107044	0.06	106984	460 (6.12)	465 (3.51)	486 (2.87)	511 (4.81)	393 (21.38)
ISL	3928	0.63	3903	467 (7.18)	468 (4.38)	493 (2.33)	517 (3.43)	421 (26.01)
IRL	54850	1.03	54285	474 (7.02)	496 (3.91)	522 (3.10)	540 (4.22)	406 (19.59)
ITA	481521	0.42	479499	456 (5.54)	458 (3.81)	491 (2.97)	500 (5.40)	371 (19.20)
JPN	1240054	0.10	1238855	465 (6.46)	508 (4.68)	506 (4.14)	488 (8.05)	371 (30.97)
KOR	533504	0.02	533393	524 (4.43)	528 (3.27)	541 (3.58)	539 (4.79)	. (.)
LUX	4080	0.08	4077	459 (5.05)	468 (3.43)	486 (2.48)	493 (3.25)	387 (14.85)
MEX	1071650	0.37	1067674	363 (7.68)	379 (4.52)	409 (3.60)	444 (6.18)	311 (7.47)
NLD	184943	3.34	178768	504 (7.46)	502 (5.82)	519 (2.78)	528 (4.28)	486 (12.58)
NZL	48638	1.18	48064	475 (9.52)	478 (5.00)	528 (2.41)	564 (4.14)	444 (21.48)
NOR	52816	0.77	52407	454 (4.73)	476 (3.83)	504 (2.85)	540 (4.55)	434 (15.14)
POL	534900	.	534900	457 (7.49)	466 (3.75)	504 (2.96)	538 (4.49)	343 (20.61)
PRT	96857	0.23	96637	445 (5.43)	456 (5.27)	490 (3.68)	505 (4.87)	417 (16.54)
SVK	77067	0.04	77034	426 (8.73)	443 (4.25)	478 (2.92)	505 (4.67)	377 (21.83)
ESP	344372	0.07	344114	447 (4.89)	461 (3.29)	492 (2.64)	497 (4.51)	363 (15.06)
SWE	107104	0.27	106810	471 (11.15)	490 (4.36)	512 (2.77)	541 (3.56)	431 (18.82)
CHE	86491	0.14	86370	473 (8.50)	486 (4.47)	502 (3.38)	515 (4.46)	416 (15.79)
TUR	481279	0.03	481137	427 (5.69)	434 (5.41)	457 (6.75)	469 (10.63)	356 (6.14)
GBR	698579	3.61	673362	474 (8.54)	479 (4.09)	511 (3.09)	531 (3.85)	419 (13.22)
USA	3147089	0.76	3123066	440 (6.46)	459 (4.38)	501 (3.30)	534 (3.99)	372 (15.23)
TOT	.	1.34	.	458 (2.27)	469 (1.51)	496 (1.18)	517 (1.64)	363 (5.09)
AVG	.	1.25	.	465 (1.24)	474 (0.93)	502 (0.63)	520 (0.83)	389 (3.30)
HKG	72484	0.21	72334	480 (7.11)	498 (4.40)	518 (3.56)	523 (4.86)	. (.)
IDN	1971476	0.00	1971403	353 (8.70)	382 (3.51)	389 (3.47)	382 (7.58)	311 (8.63)
LVA	33643	0.26	33556	464 (9.96)	459 (4.76)	492 (3.69)	531 (5.30)	419 (14.98)
LIE	338	.	338	. (.)	501 (13.62)	531 (6.45)	533 (7.27)	. (.)
MAC	6546	.	6546	495 (8.45)	489 (4.34)	496 (3.20)	525 (6.29)	. (.)
RUS	2153373	0.02	2152991	409 (9.40)	411 (4.26)	447 (4.02)	485 (3.92)	325 (10.82)
YUG	68596	0.57	68202	381 (5.25)	396 (3.57)	426 (3.78)	442 (5.35)	342 (9.64)
THA	637076	.	637076	417 (5.95)	412 (3.28)	425 (3.18)	445 (6.41)	370 (15.32)
TUN	150875	0.16	150640	367 (4.70)	366 (3.66)	382 (3.68)	390 (4.52)	312 (9.11)
URY	33775	0.17	33718	403 (10.02)	418 (5.15)	445 (3.87)	462 (5.68)	337 (8.09)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I feel helpless when doing a Mathematics problem.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	455 (6.59)	478 (2.91)	529 (1.85)	572 (3.53)	427 (10.51)
AUT	85931	1.08	85003	453 (6.28)	481 (3.69)	505 (3.67)	534 (3.82)	462 (16.88)
BEL	111831	1.79	109825	480 (4.92)	503 (4.09)	551 (2.55)	566 (3.89)	396 (19.51)
CAN	330436	9.70	298375	475 (2.89)	495 (2.84)	538 (1.82)	581 (2.09)	492 (6.37)
CZE	121183	4.09	116221	468 (6.57)	483 (3.29)	536 (3.48)	564 (5.39)	439 (24.41)
DNK	51741	0.65	51406	425 (6.84)	455 (4.70)	505 (2.57)	564 (3.38)	433 (12.15)
FIN	57884	0.07	57845	475 (4.42)	504 (2.61)	546 (1.89)	593 (3.59)	502 (15.34)
FRA	734579	0.87	728167	464 (4.32)	483 (2.89)	531 (2.48)	546 (4.27)	446 (11.65)
DEU	884358	5.57	835070	456 (7.33)	482 (5.17)	509 (3.53)	540 (3.69)	403 (10.98)
GRC	105131	0.13	104991	408 (4.32)	415 (3.31)	457 (4.31)	489 (5.14)	365 (15.73)
HUN	107044	0.06	106984	443 (6.11)	460 (3.73)	497 (3.04)	537 (4.97)	422 (17.32)
ISL	3928	0.63	3903	462 (4.76)	480 (3.87)	517 (2.04)	554 (3.08)	443 (20.85)
IRL	54850	1.03	54285	437 (4.85)	471 (3.32)	511 (2.83)	543 (4.40)	402 (14.45)
ITA	481521	0.42	479499	429 (4.80)	440 (3.47)	485 (3.19)	508 (4.64)	395 (14.57)
JPN	1240054	0.10	1238855	485 (5.80)	536 (4.70)	546 (4.15)	534 (8.09)	460 (24.01)
KOR	533504	0.02	533393	512 (4.00)	527 (3.58)	556 (3.67)	569 (5.48)	. (.)
LUX	4080	0.08	4077	446 (4.53)	468 (2.75)	499 (1.79)	524 (2.56)	440 (11.16)
MEX	1071650	0.37	1067674	349 (6.33)	360 (3.81)	392 (3.25)	435 (5.33)	307 (7.10)
NLD	184943	3.34	178768	511 (7.97)	510 (5.41)	546 (2.97)	565 (4.25)	480 (10.02)
NZL	48638	1.18	48064	455 (7.98)	469 (4.39)	529 (1.99)	582 (3.63)	423 (17.71)
NOR	52816	0.77	52407	424 (3.94)	457 (2.96)	501 (2.30)	553 (3.75)	435 (11.64)
POL	534900	.	534900	427 (5.94)	448 (3.12)	498 (2.58)	552 (4.08)	367 (15.44)
PRT	96857	0.23	96637	412 (5.29)	435 (4.11)	483 (3.38)	506 (5.12)	412 (11.96)
SVK	77067	0.04	77034	431 (9.01)	459 (3.86)	510 (3.03)	549 (4.55)	414 (22.87)
ESP	344372	0.07	344114	433 (3.83)	457 (2.89)	498 (2.72)	518 (4.66)	394 (13.03)
SWE	107104	0.27	106810	430 (8.82)	462 (4.51)	502 (2.52)	557 (4.00)	433 (15.01)
CHE	86491	0.14	86370	470 (6.50)	494 (4.18)	529 (3.77)	560 (4.62)	450 (13.24)
TUR	481279	0.03	481137	393 (6.18)	409 (5.79)	446 (7.60)	469 (12.61)	329 (6.69)
GBR	698579	3.61	673362	449 (6.06)	469 (3.84)	512 (2.95)	549 (3.97)	423 (11.72)
USA	3147089	0.76	3123066	417 (6.20)	438 (3.83)	486 (2.94)	532 (3.88)	383 (12.91)
TOT	.	1.34	.	445 (2.04)	460 (1.38)	498 (1.09)	530 (1.48)	372 (4.93)
AVG	.	1.25	.	447 (1.07)	466 (0.86)	510 (0.58)	544 (0.82)	400 (3.13)
HKG	72484	0.21	72334	490 (6.28)	525 (5.25)	565 (4.47)	588 (6.00)	. (.)
IDN	1971476	0.00	1971403	318 (8.92)	355 (4.18)	371 (4.25)	371 (6.83)	285 (6.55)
LVA	33643	0.26	33556	434 (7.82)	440 (3.73)	485 (3.22)	540 (5.96)	422 (13.48)
LIE	338	.	338	. (.)	483 (13.02)	535 (6.67)	569 (8.23)	. (.)
MAC	6546	.	6546	497 (10.23)	502 (4.78)	534 (4.08)	583 (10.29)	. (.)
RUS	2153373	0.02	2152991	425 (6.78)	426 (4.30)	473 (4.01)	524 (4.96)	380 (9.51)
YUG	68596	0.57	68202	392 (5.15)	412 (3.58)	453 (3.74)	481 (5.24)	366 (8.70)
THA	637076	.	637076	404 (5.32)	404 (3.41)	426 (3.47)	448 (6.62)	391 (16.56)
TUN	150875	0.16	150640	337 (3.69)	343 (2.88)	366 (3.26)	387 (4.55)	312 (5.64)
URY	33775	0.17	33718	380 (5.13)	396 (4.05)	432 (3.41)	463 (5.09)	330 (7.04)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I feel helpless when doing a Mathematics problem.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	465 (6.33)	482 (2.85)	529 (2.06)	568 (3.34)	427 (11.60)
AUT	85931	1.08	85003	458 (6.48)	475 (3.65)	492 (4.07)	510 (4.07)	444 (20.71)
BEL	111831	1.79	109825	473 (5.37)	490 (4.35)	527 (2.59)	537 (3.94)	368 (17.17)
CAN	330436	9.70	298375	464 (3.66)	483 (3.13)	525 (2.14)	566 (2.50)	476 (7.38)
CZE	121183	4.09	116221	485 (6.60)	494 (3.64)	541 (3.23)	562 (6.44)	444 (25.75)
DNK	51741	0.65	51406	395 (8.29)	422 (6.12)	466 (3.28)	522 (3.62)	387 (13.99)
FIN	57884	0.07	57845	494 (4.89)	513 (3.11)	551 (2.16)	588 (3.46)	497 (17.35)
FRA	734579	0.87	728167	472 (5.28)	486 (3.92)	529 (3.52)	545 (5.16)	430 (14.06)
DEU	884358	5.57	835070	466 (8.60)	488 (5.79)	510 (4.03)	536 (3.87)	391 (13.49)
GRC	105131	0.13	104991	454 (5.58)	458 (3.58)	491 (4.33)	514 (5.20)	413 (16.34)
HUN	107044	0.06	106984	476 (7.43)	481 (3.77)	507 (3.09)	540 (6.25)	425 (20.38)
ISL	3928	0.63	3903	453 (5.89)	463 (4.29)	497 (2.59)	529 (3.31)	425 (20.32)
IRL	54850	1.03	54285	449 (6.06)	477 (3.98)	512 (3.18)	542 (4.55)	415 (17.74)
ITA	481521	0.42	479499	462 (4.96)	462 (3.63)	504 (3.32)	521 (5.69)	407 (17.65)
JPN	1240054	0.10	1238855	506 (6.37)	552 (4.94)	558 (4.33)	545 (8.96)	466 (26.73)
KOR	533504	0.02	533393	524 (4.73)	528 (3.88)	547 (4.16)	554 (5.95)	. (.)
LUX	4080	0.08	4077	438 (4.88)	460 (3.42)	489 (2.28)	512 (3.46)	402 (14.65)
MEX	1071650	0.37	1067674	375 (6.21)	387 (3.65)	409 (2.99)	447 (5.83)	338 (7.02)
NLD	184943	3.34	178768	505 (7.92)	504 (6.10)	531 (3.11)	546 (4.91)	461 (14.11)
NZL	48638	1.18	48064	465 (9.40)	470 (4.65)	526 (2.29)	575 (4.18)	429 (19.19)
NOR	52816	0.77	52407	417 (5.30)	447 (3.72)	490 (2.79)	543 (4.34)	405 (14.85)
POL	534900	.	534900	439 (8.53)	452 (3.77)	507 (3.02)	559 (4.89)	402 (15.98)
PRT	96857	0.23	96637	428 (5.43)	443 (4.81)	482 (3.42)	499 (5.06)	406 (12.65)
SVK	77067	0.04	77034	444 (10.82)	461 (4.33)	504 (3.44)	542 (5.42)	395 (20.41)
ESP	344372	0.07	344114	442 (4.06)	461 (2.98)	500 (2.91)	514 (5.03)	378 (18.08)
SWE	107104	0.27	106810	445 (11.02)	469 (5.09)	502 (3.12)	543 (4.10)	424 (20.12)
CHE	86491	0.14	86370	461 (7.84)	486 (5.24)	515 (4.12)	542 (4.77)	445 (14.54)
TUR	481279	0.03	481137	410 (5.35)	423 (5.32)	452 (6.99)	470 (11.50)	364 (6.20)
GBR	698579	3.61	673362	469 (8.36)	481 (4.65)	523 (3.08)	554 (4.26)	420 (12.97)
USA	3147089	0.76	3123066	433 (6.23)	449 (4.27)	495 (3.16)	537 (4.04)	383 (16.93)
TOT	.	1.34	.	460 (2.14)	471 (1.39)	504 (1.09)	531 (1.59)	383 (5.03)
AVG	.	1.25	.	457 (1.16)	471 (0.86)	508 (0.57)	536 (0.88)	400 (2.81)
HKG	72484	0.21	72334	494 (6.78)	521 (4.80)	550 (4.35)	566 (5.55)	. (.)
IDN	1971476	0.00	1971403	376 (7.67)	393 (3.42)	401 (3.51)	402 (6.39)	344 (6.29)
LVA	33643	0.26	33556	443 (8.82)	451 (4.57)	490 (3.54)	542 (6.07)	421 (14.38)
LIE	338	.	338	. (.)	481 (15.31)	526 (8.55)	552 (8.46)	. (.)
MAC	6546	.	6546	501 (12.40)	506 (5.92)	527 (3.92)	575 (10.03)	. (.)
RUS	2153373	0.02	2152991	445 (6.93)	450 (4.38)	495 (4.24)	541 (4.87)	390 (10.23)
YUG	68596	0.57	68202	400 (5.48)	416 (3.55)	448 (3.87)	472 (5.18)	390 (9.87)
THA	637076	.	637076	418 (5.09)	418 (3.36)	436 (3.17)	466 (6.20)	405 (15.42)
TUN	150875	0.16	150640	377 (4.19)	374 (3.03)	389 (3.45)	405 (4.60)	334 (7.17)
URY	33775	0.17	33718	399 (9.43)	421 (4.79)	447 (3.47)	473 (4.87)	350 (6.80)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I feel helpless when doing a Mathematics problem.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	470 (6.43)	489 (2.78)	534 (1.81)	571 (3.00)	436 (10.12)
AUT	85931	1.08	85003	461 (5.85)	484 (3.78)	507 (3.70)	530 (3.74)	450 (17.97)
BEL	111831	1.79	109825	478 (5.25)	501 (4.04)	543 (2.55)	560 (3.73)	412 (12.70)
CAN	330436	9.70	298375	475 (2.98)	496 (2.81)	536 (1.74)	575 (2.23)	493 (6.24)
CZE	121183	4.09	116221	475 (7.16)	488 (3.31)	535 (3.41)	560 (5.29)	443 (27.24)
DNK	51741	0.65	51406	440 (6.63)	463 (4.83)	510 (2.45)	560 (3.03)	438 (13.63)
FIN	57884	0.07	57845	491 (4.63)	513 (2.75)	549 (2.07)	589 (3.42)	509 (14.62)
FRA	734579	0.87	728167	474 (4.66)	495 (3.29)	539 (2.82)	550 (4.40)	443 (12.69)
DEU	884358	5.57	835070	474 (6.80)	495 (4.98)	518 (3.55)	544 (3.50)	412 (12.31)
GRC	105131	0.13	104991	411 (4.58)	424 (3.76)	460 (4.25)	488 (5.77)	350 (14.73)
HUN	107044	0.06	106984	453 (6.25)	473 (3.55)	508 (3.21)	545 (5.10)	433 (17.05)
ISL	3928	0.63	3903	464 (5.08)	475 (3.22)	506 (1.96)	538 (2.78)	413 (22.78)
IRL	54850	1.03	54285	444 (5.79)	472 (3.38)	506 (2.74)	531 (4.06)	400 (12.73)
ITA	481521	0.42	479499	433 (5.38)	445 (3.54)	489 (3.25)	509 (5.58)	369 (17.98)
JPN	1240054	0.10	1238855	497 (6.12)	549 (4.78)	560 (4.16)	549 (8.49)	452 (32.59)
KOR	533504	0.02	533393	528 (3.93)	539 (3.38)	561 (3.42)	569 (5.22)	. (.)
LUX	4080	0.08	4077	450 (4.61)	471 (2.87)	500 (1.98)	520 (2.96)	451 (12.64)
MEX	1071650	0.37	1067674	348 (6.68)	359 (4.88)	393 (3.79)	434 (6.87)	298 (7.62)
NLD	184943	3.34	178768	492 (7.37)	493 (5.20)	527 (3.11)	543 (4.50)	456 (12.88)
NZL	48638	1.18	48064	474 (7.56)	483 (5.01)	538 (2.08)	583 (3.65)	453 (21.72)
NOR	52816	0.77	52407	421 (4.38)	453 (3.26)	498 (2.57)	545 (4.76)	430 (12.90)
POL	534900	.	534900	434 (6.05)	450 (3.30)	494 (2.94)	542 (4.42)	343 (23.98)
PRT	96857	0.23	96637	417 (5.76)	442 (4.94)	486 (3.67)	504 (5.36)	419 (14.61)
SVK	77067	0.04	77034	425 (8.80)	454 (4.04)	503 (3.03)	541 (4.86)	416 (23.56)
ESP	344372	0.07	344114	432 (5.29)	457 (2.94)	495 (3.04)	510 (4.86)	381 (14.56)
SWE	107104	0.27	106810	442 (9.68)	471 (4.33)	504 (2.60)	547 (3.44)	428 (16.06)
CHE	86491	0.14	86370	470 (6.40)	494 (3.74)	524 (3.60)	551 (4.38)	437 (13.63)
TUR	481279	0.03	481137	381 (5.97)	395 (5.53)	429 (6.46)	449 (11.13)	315 (6.38)
GBR	698579	3.61	673362	456 (7.22)	474 (4.16)	514 (2.79)	544 (3.96)	434 (11.84)
USA	3147089	0.76	3123066	408 (6.31)	433 (3.96)	482 (3.13)	525 (4.11)	372 (13.98)
TOT	.	1.34	.	448 (2.32)	463 (1.65)	499 (1.16)	527 (1.52)	365 (5.06)
AVG	.	1.25	.	451 (1.11)	469 (0.96)	509 (0.60)	539 (0.83)	396 (3.22)
HKG	72484	0.21	72334	499 (6.34)	527 (4.86)	559 (4.11)	581 (5.53)	. (.)
IDN	1971476	0.00	1971403	336 (7.70)	360 (3.74)	368 (3.47)	367 (5.99)	299 (6.26)
LVA	33643	0.26	33556	431 (9.51)	440 (4.59)	485 (3.38)	537 (6.40)	399 (13.87)
LIE	338	.	338	. (.)	483 (12.39)	532 (6.29)	555 (8.21)	. (.)
MAC	6546	.	6546	511 (11.45)	514 (5.46)	537 (3.66)	573 (7.97)	. (.)
RUS	2153373	0.02	2152991	432 (7.85)	434 (5.20)	486 (4.41)	532 (5.00)	368 (12.34)
YUG	68596	0.57	68202	385 (5.45)	400 (3.34)	437 (3.34)	454 (5.67)	345 (9.44)
THA	637076	.	637076	419 (5.01)	413 (3.43)	433 (3.19)	455 (6.83)	376 (17.35)
TUN	150875	0.16	150640	327 (3.60)	332 (2.79)	352 (2.55)	367 (4.04)	300 (6.40)
URY	33775	0.17	33718	356 (7.61)	386 (4.87)	423 (4.02)	449 (5.54)	313 (7.20)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

In my Mathematics class, I understand even the most difficult work.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.34	234792	6.11	(0.27)	31.65	(0.49)	43.99	(0.52)	16.68	(0.44)	1.57	(0.14)
AUT	85931	1.08	85003	8.35	(0.47)	30.03	(0.75)	35.40	(0.78)	24.38	(0.80)	1.84	(0.64)
BEL	111831	1.79	109825	5.21	(0.26)	21.61	(0.55)	46.84	(0.68)	22.39	(0.56)	3.96	(0.47)
CAN	330436	9.70	298375	10.06	(0.32)	32.05	(0.51)	37.39	(0.62)	18.72	(0.38)	1.77	(0.14)
CZE	121183	4.09	116221	3.27	(0.24)	17.43	(0.65)	51.68	(0.76)	26.31	(0.84)	1.31	(0.33)
DNK	51741	0.65	51406	6.69	(0.39)	26.05	(0.86)	40.35	(0.92)	23.00	(0.69)	3.90	(0.28)
FIN	57884	0.07	57845	6.46	(0.34)	30.99	(0.78)	42.62	(0.72)	18.79	(0.56)	1.13	(0.14)
FRA	734579	0.87	728167	4.89	(0.35)	22.69	(0.72)	44.58	(0.84)	25.34	(0.83)	2.51	(0.25)
DEU	884358	5.57	835070	10.70	(0.52)	30.11	(0.68)	34.31	(0.64)	22.63	(0.56)	2.25	(0.29)
GRC	105131	0.13	104991	5.20	(0.35)	18.51	(0.68)	50.80	(0.81)	24.11	(0.76)	1.40	(0.23)
HUN	107044	0.06	106984	3.88	(0.25)	19.90	(0.67)	52.26	(0.84)	22.96	(0.80)	1.00	(0.16)
ISL	3928	0.63	3903	9.91	(0.51)	29.09	(0.89)	35.83	(0.80)	24.04	(0.84)	1.14	(0.21)
IRL	54850	1.03	54285	5.06	(0.38)	23.75	(0.79)	47.27	(0.80)	22.09	(0.70)	1.83	(0.28)
ITA	481521	0.42	479499	6.87	(0.35)	32.70	(0.75)	44.06	(0.75)	15.12	(0.74)	1.25	(0.20)
JPN	1240054	0.10	1238855	2.05	(0.19)	7.98	(0.42)	45.75	(0.90)	43.41	(1.03)	0.81	(0.22)
KOR	533504	0.02	533393	2.53	(0.26)	12.98	(0.53)	54.38	(0.84)	29.79	(0.88)	0.32	(.)
LUX	4080	0.08	4077	8.46	(0.47)	27.66	(0.66)	38.05	(0.73)	23.63	(0.57)	2.20	(0.21)
MEX	1071650	0.37	1067674	8.65	(0.39)	33.35	(0.69)	42.00	(0.76)	8.82	(0.36)	7.19	(0.59)
NLD	184943	3.26	178914	4.84	(0.34)	23.48	(0.86)	47.92	(0.86)	21.25	(0.87)	2.50	(0.33)
NZL	48638	1.17	48068	6.52	(0.40)	31.11	(0.68)	43.92	(0.72)	16.97	(0.66)	1.48	(0.16)
NOR	52816	0.77	52407	6.43	(0.39)	23.08	(0.71)	36.85	(0.76)	30.91	(0.81)	2.73	(0.39)
POL	534900	.	534900	7.02	(0.38)	23.71	(0.68)	50.57	(0.78)	17.37	(0.63)	1.33	(0.24)
PRT	96857	0.23	96637	3.84	(0.35)	27.42	(0.71)	48.88	(0.80)	17.93	(0.61)	1.92	(0.29)
SVK	77067	0.04	77034	3.43	(0.28)	21.79	(0.58)	54.37	(0.68)	18.57	(0.71)	1.84	(0.49)
ESP	344372	0.07	344114	5.78	(0.35)	24.24	(0.84)	45.76	(0.72)	22.43	(0.69)	1.79	(0.20)
SWE	107104	0.27	106810	9.49	(0.55)	33.40	(0.85)	35.68	(0.85)	19.02	(0.81)	2.41	(0.29)
CHE	86491	0.14	86370	6.87	(0.34)	31.36	(0.83)	37.50	(0.84)	21.05	(0.77)	3.23	(0.33)
TUR	481279	0.03	481137	6.89	(0.47)	20.62	(1.26)	45.60	(1.03)	19.26	(0.83)	7.63	(0.90)
GBR	698579	3.61	673362	6.52	(0.37)	30.78	(0.64)	42.44	(0.84)	18.15	(0.61)	2.12	(0.23)
USA	3147089	0.76	3123066	10.81	(0.51)	32.46	(0.73)	36.72	(0.68)	17.63	(0.56)	2.38	(0.27)
TOT	.	1.34	.	7.39	(0.16)	26.27	(0.23)	42.25	(0.22)	21.51	(0.21)	2.59	(0.11)
AVG	.	1.25	.	6.41	(0.07)	25.71	(0.16)	43.82	(0.15)	21.76	(0.12)	2.29	(0.07)
HKG	72484	0.21	72334	3.57	(0.27)	26.41	(0.72)	52.36	(0.74)	17.30	(0.74)	0.36	(.)
IDN	1971476	0.00	1971403	4.04	(0.24)	30.12	(0.99)	54.49	(1.03)	6.62	(0.33)	4.72	(0.49)
LVA	33643	0.23	33565	3.25	(0.33)	21.21	(1.07)	54.45	(0.86)	20.20	(1.10)	0.89	(0.18)
LIE	338	.	338	7.83	(.)	31.35	(2.43)	37.11	(2.30)	20.08	(1.88)	3.63	(.)
MAC	6546	.	6546	4.56	(0.70)	23.54	(1.53)	51.92	(1.74)	19.77	(1.30)	0.21	(.)
RUS	2153373	0.02	2152991	6.03	(0.34)	35.41	(0.69)	48.90	(0.70)	7.28	(0.44)	2.38	(0.24)
YUG	68596	0.57	68202	6.17	(0.34)	19.41	(0.74)	49.04	(1.12)	18.45	(0.67)	6.93	(0.76)
THA	637076	.	637076	2.92	(0.29)	31.42	(1.01)	57.28	(1.03)	7.44	(0.49)	0.94	(0.17)
TUN	150875	0.16	150640	12.83	(0.53)	24.57	(0.75)	38.68	(0.73)	18.92	(0.71)	5.00	(0.32)
URY	33775	0.17	33718	6.98	(0.47)	22.97	(0.69)	43.08	(0.89)	20.78	(0.67)	6.18	(0.48)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

In my Mathematics class, I understand even the most difficult work.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	543 (4.91)	542 (2.47)	520 (2.27)	513 (3.83)	432 (10.37)
AUT	85931	1.08	85003	493 (7.91)	500 (4.26)	491 (4.55)	492 (4.19)	462 (22.47)
BEL	111831	1.79	109825	495 (7.08)	517 (3.42)	520 (2.77)	512 (3.59)	368 (20.98)
CAN	330436	9.70	298375	561 (3.87)	545 (1.94)	524 (1.88)	512 (2.19)	482 (7.75)
CZE	121183	4.09	116221	504 (7.44)	523 (4.24)	494 (2.88)	485 (3.80)	432 (23.54)
DNK	51741	0.65	51406	521 (7.13)	516 (3.94)	486 (3.55)	475 (3.71)	460 (12.93)
FIN	57884	0.07	57845	575 (5.92)	563 (2.46)	533 (2.02)	524 (3.08)	536 (14.28)
FRA	734579	0.87	728167	485 (8.39)	514 (4.26)	499 (3.30)	489 (3.83)	421 (14.35)
DEU	884358	5.57	835070	503 (6.57)	511 (3.90)	500 (4.02)	501 (4.87)	384 (12.49)
GRC	105131	0.13	104991	465 (9.55)	476 (5.98)	478 (4.07)	470 (4.11)	305 (21.14)
HUN	107044	0.06	106984	489 (7.88)	499 (3.73)	477 (2.72)	482 (3.83)	371 (19.67)
ISL	3928	0.63	3903	512 (6.35)	512 (3.26)	484 (2.92)	475 (3.93)	441 (23.89)
IRL	54850	1.03	54285	534 (7.59)	528 (3.91)	515 (3.08)	506 (3.69)	416 (15.72)
ITA	481521	0.42	479499	473 (6.94)	488 (3.41)	473 (3.49)	466 (5.05)	383 (21.49)
JPN	1240054	0.10	1238855	456 (15.03)	507 (6.56)	504 (4.32)	495 (4.21)	361 (31.71)
KOR	533504	0.02	533393	567 (12.44)	565 (4.16)	537 (3.29)	514 (3.35)	. (.)
LUX	4080	0.08	4077	470 (6.43)	487 (3.08)	478 (2.33)	484 (3.53)	393 (13.67)
MEX	1071650	0.37	1067674	398 (7.96)	405 (5.49)	410 (3.39)	403 (6.24)	314 (7.45)
NLD	184943	3.26	178914	517 (7.59)	523 (4.04)	517 (3.41)	515 (4.12)	490 (9.60)
NZL	48638	1.17	48068	550 (8.15)	530 (3.80)	521 (2.91)	512 (4.38)	460 (14.11)
NOR	52816	0.77	52407	540 (9.38)	527 (4.19)	501 (3.27)	476 (3.13)	445 (16.48)
POL	534900	.	534900	513 (6.75)	517 (4.18)	491 (3.06)	489 (3.81)	352 (21.32)
PRT	96857	0.23	96637	477 (8.84)	491 (5.66)	478 (3.62)	461 (4.55)	434 (16.54)
SVK	77067	0.04	77034	490 (9.94)	492 (4.10)	466 (3.08)	455 (5.32)	385 (21.75)
ESP	344372	0.07	344114	481 (8.40)	496 (4.28)	485 (2.84)	464 (3.08)	374 (16.34)
SWE	107104	0.27	106810	556 (5.85)	533 (3.73)	503 (2.53)	491 (4.36)	460 (13.62)
CHE	86491	0.14	86370	498 (8.09)	508 (4.04)	497 (3.35)	499 (4.25)	434 (12.78)
TUR	481279	0.03	481137	447 (11.18)	475 (11.50)	443 (4.91)	431 (4.50)	355 (6.42)
GBR	698579	3.61	673362	526 (6.42)	517 (3.86)	503 (3.12)	498 (3.88)	440 (13.79)
USA	3147089	0.76	3123066	514 (6.81)	515 (3.72)	490 (3.27)	476 (4.46)	387 (14.92)
TOT	.	1.34	.	496 (3.14)	501 (1.75)	488 (1.16)	485 (1.41)	373 (4.86)
AVG	.	1.25	.	506 (1.60)	510 (0.97)	494 (0.64)	487 (0.79)	402 (3.36)
HKG	72484	0.21	72334	514 (7.48)	521 (3.60)	511 (3.99)	490 (5.62)	. (.)
IDN	1971476	0.00	1971403	340 (7.61)	370 (3.04)	395 (3.80)	395 (6.93)	313 (8.39)
LVA	33643	0.23	33565	500 (16.07)	499 (5.68)	490 (3.99)	485 (4.42)	420 (19.31)
LIE	338	.	338	. (.)	520 (8.93)	512 (7.47)	538 (12.10)	. (.)
MAC	6546	.	6546	504 (11.62)	506 (5.42)	497 (3.04)	489 (4.79)	. (.)
RUS	2153373	0.02	2152991	459 (6.92)	453 (4.64)	439 (3.80)	438 (7.11)	321 (10.09)
YUG	68596	0.57	68202	404 (7.38)	427 (4.26)	415 (3.72)	417 (3.81)	343 (10.07)
THA	637076	.	637076	398 (8.04)	410 (3.73)	426 (3.17)	434 (5.53)	358 (19.25)
TUN	150875	0.16	150640	371 (5.86)	376 (4.67)	381 (3.31)	378 (3.76)	317 (7.24)
URY	33775	0.17	33718	456 (9.15)	454 (5.47)	435 (3.80)	429 (5.64)	347 (8.55)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

In my Mathematics class, I understand even the most difficult work.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	576 (5.03)	554 (2.63)	513 (2.00)	486 (3.63)	451 (10.18)
AUT	85931	1.08	85003	541 (7.58)	530 (3.70)	500 (3.70)	481 (3.79)	466 (14.08)
BEL	111831	1.79	109825	542 (6.37)	553 (3.45)	542 (2.48)	514 (3.37)	409 (19.59)
CAN	330436	9.70	298375	595 (3.35)	561 (2.10)	522 (1.82)	494 (2.30)	486 (6.97)
CZE	121183	4.09	116221	568 (9.10)	574 (4.57)	519 (3.34)	491 (3.49)	459 (23.04)
DNK	51741	0.65	51406	585 (7.35)	560 (3.65)	503 (2.94)	466 (3.43)	496 (12.31)
FIN	57884	0.07	57845	627 (5.87)	582 (2.45)	526 (2.09)	495 (2.43)	528 (10.52)
FRA	734579	0.87	728167	521 (8.23)	547 (3.80)	514 (2.78)	481 (3.23)	459 (11.99)
DEU	884358	5.57	835070	542 (6.46)	535 (3.76)	505 (3.74)	483 (4.52)	413 (9.22)
GRC	105131	0.13	104991	470 (8.92)	471 (5.14)	448 (4.07)	418 (3.55)	347 (16.72)
HUN	107044	0.06	106984	523 (7.77)	527 (4.31)	483 (3.03)	472 (3.68)	398 (16.98)
ISL	3928	0.63	3903	569 (5.02)	548 (2.96)	505 (2.29)	470 (2.80)	471 (21.56)
IRL	54850	1.03	54285	555 (7.58)	529 (3.86)	500 (2.95)	476 (3.40)	411 (12.78)
ITA	481521	0.42	479499	489 (6.20)	489 (3.31)	458 (3.44)	434 (4.68)	399 (16.21)
JPN	1240054	0.10	1238855	512 (13.72)	562 (7.21)	548 (4.39)	518 (3.91)	438 (23.94)
KOR	533504	0.02	533393	611 (13.77)	600 (4.83)	548 (3.22)	502 (3.15)	. (.)
LUX	4080	0.08	4077	516 (6.05)	515 (2.89)	487 (2.04)	474 (2.73)	446 (10.84)
MEX	1071650	0.37	1067674	396 (6.68)	395 (4.55)	391 (3.26)	375 (5.15)	308 (7.27)
NLD	184943	3.26	178914	567 (7.63)	566 (4.27)	542 (3.52)	519 (4.29)	497 (10.02)
NZL	48638	1.17	48068	585 (8.10)	546 (3.57)	519 (2.37)	485 (4.19)	464 (13.28)
NOR	52816	0.77	52407	567 (8.24)	538 (3.84)	496 (2.78)	453 (2.59)	446 (12.42)
POL	534900	.	534900	537 (7.21)	527 (3.63)	480 (2.56)	458 (3.29)	373 (15.59)
PRT	96857	0.23	96637	505 (10.14)	493 (4.99)	464 (3.15)	427 (4.02)	432 (13.11)
SVK	77067	0.04	77034	542 (9.95)	538 (4.97)	493 (3.14)	465 (5.20)	424 (22.82)
ESP	344372	0.07	344114	515 (7.75)	512 (3.81)	486 (2.45)	454 (2.48)	409 (15.39)
SWE	107104	0.27	106810	588 (6.02)	541 (3.31)	489 (2.19)	458 (3.56)	466 (10.47)
CHE	86491	0.14	86370	563 (8.25)	554 (3.96)	518 (3.30)	498 (4.50)	471 (12.00)
TUR	481279	0.03	481137	452 (12.48)	476 (13.09)	422 (5.75)	398 (4.30)	329 (6.84)
GBR	698579	3.61	673362	557 (6.31)	530 (3.45)	500 (2.88)	477 (4.01)	450 (12.71)
USA	3147089	0.76	3123066	521 (6.68)	509 (3.39)	472 (3.06)	447 (3.80)	396 (13.78)
TOT	.	1.34	.	516 (3.11)	510 (1.55)	488 (1.17)	473 (1.32)	382 (4.79)
AVG	.	1.25	.	540 (1.57)	529 (0.94)	496 (0.62)	473 (0.79)	417 (3.35)
HKG	72484	0.21	72334	588 (10.10)	582 (4.58)	548 (4.88)	504 (5.68)	. (.)
IDN	1971476	0.00	1971403	319 (7.78)	354 (3.62)	373 (4.49)	365 (7.61)	287 (6.69)
LVA	33643	0.23	33565	522 (15.70)	508 (6.24)	482 (3.62)	457 (4.03)	434 (20.57)
LIE	338	.	338	. (.)	544 (9.29)	517 (7.70)	524 (11.23)	. (.)
MAC	6546	.	6546	571 (13.88)	556 (8.54)	523 (3.67)	493 (6.68)	. (.)
RUS	2153373	0.02	2152991	495 (8.67)	486 (4.89)	460 (3.99)	449 (5.80)	382 (8.50)
YUG	68596	0.57	68202	445 (8.26)	469 (4.58)	439 (3.66)	424 (4.07)	364 (8.77)
THA	637076	.	637076	408 (7.96)	411 (3.95)	421 (3.43)	421 (4.69)	378 (16.54)
TUN	150875	0.16	150640	378 (4.30)	372 (4.31)	360 (2.74)	340 (3.46)	311 (5.57)
URY	33775	0.17	33718	466 (7.69)	455 (4.71)	424 (2.90)	394 (3.96)	335 (6.93)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

In my Mathematics class, I understand even the most difficult work.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	566 (5.25)	551 (2.66)	515 (2.11)	496 (3.92)	448 (9.96)
AUT	85931	1.08	85003	509 (7.63)	509 (3.74)	488 (4.38)	478 (4.01)	442 (18.73)
BEL	111831	1.79	109825	511 (6.47)	526 (3.80)	520 (2.59)	502 (3.63)	380 (17.37)
CAN	330436	9.70	298375	575 (3.53)	545 (2.27)	510 (2.17)	485 (2.43)	469 (8.18)
CZE	121183	4.09	116221	553 (10.29)	571 (4.85)	526 (3.27)	506 (3.60)	466 (24.82)
DNK	51741	0.65	51406	540 (8.33)	517 (4.39)	465 (3.45)	434 (4.07)	446 (13.15)
FIN	57884	0.07	57845	615 (6.55)	581 (2.99)	532 (2.32)	509 (3.03)	536 (12.58)
FRA	734579	0.87	728167	517 (10.32)	545 (4.55)	513 (3.56)	488 (3.87)	442 (15.31)
DEU	884358	5.57	835070	534 (6.59)	531 (4.12)	507 (3.99)	491 (5.04)	402 (13.50)
GRC	105131	0.13	104991	497 (10.93)	497 (5.16)	484 (4.17)	464 (3.92)	387 (18.13)
HUN	107044	0.06	106984	527 (8.76)	530 (4.54)	496 (2.84)	497 (4.23)	400 (18.27)
ISL	3928	0.63	3903	538 (5.57)	526 (3.14)	484 (2.61)	460 (3.47)	440 (19.96)
IRL	54850	1.03	54285	547 (8.15)	526 (4.32)	502 (3.09)	486 (4.11)	424 (14.49)
ITA	481521	0.42	479499	498 (7.48)	502 (3.47)	482 (3.97)	468 (5.08)	414 (20.78)
JPN	1240054	0.10	1238855	519 (13.74)	567 (6.96)	557 (4.65)	537 (4.37)	444 (27.36)
KOR	533504	0.02	533393	596 (14.07)	586 (5.20)	542 (3.67)	507 (3.73)	. (.)
LUX	4080	0.08	4077	498 (6.36)	504 (3.54)	477 (2.27)	469 (3.62)	407 (14.32)
MEX	1071650	0.37	1067674	414 (6.94)	411 (4.59)	411 (2.94)	400 (5.23)	338 (6.64)
NLD	184943	3.26	178914	542 (8.86)	545 (5.12)	528 (3.91)	513 (4.54)	480 (12.47)
NZL	48638	1.17	48068	567 (8.31)	536 (3.69)	518 (2.98)	497 (4.13)	459 (14.13)
NOR	52816	0.77	52407	552 (9.02)	524 (4.52)	485 (3.40)	446 (3.09)	417 (14.76)
POL	534900	.	534900	544 (7.57)	534 (4.06)	487 (3.18)	469 (4.49)	409 (17.09)
PRT	96857	0.23	96637	483 (10.55)	490 (4.87)	466 (3.39)	442 (4.58)	421 (14.45)
SVK	77067	0.04	77034	529 (10.77)	530 (5.70)	490 (3.45)	473 (5.47)	401 (21.17)
ESP	344372	0.07	344114	507 (8.34)	511 (3.74)	489 (2.73)	461 (3.01)	392 (19.04)
SWE	107104	0.27	106810	571 (6.21)	534 (4.27)	490 (2.62)	465 (4.52)	449 (13.91)
CHE	86491	0.14	86370	534 (9.06)	536 (4.25)	506 (4.02)	492 (5.07)	460 (12.47)
TUR	481279	0.03	481137	451 (11.44)	477 (11.63)	432 (5.15)	415 (4.52)	365 (6.15)
GBR	698579	3.61	673362	557 (7.02)	537 (3.79)	512 (3.28)	496 (4.66)	449 (14.11)
USA	3147089	0.76	3123066	523 (6.61)	515 (3.67)	483 (3.31)	461 (4.18)	398 (16.54)
TOT	.	1.34	.	516 (3.08)	513 (1.71)	495 (1.20)	486 (1.33)	392 (4.83)
AVG	.	1.25	.	529 (1.57)	524 (0.98)	497 (0.63)	481 (0.77)	414 (2.98)
HKG	72484	0.21	72334	565 (9.56)	560 (4.38)	539 (4.51)	507 (5.86)	. (.)
IDN	1971476	0.00	1971403	365 (5.02)	387 (3.00)	405 (3.80)	402 (6.47)	345 (6.16)
LVA	33643	0.23	33565	518 (16.38)	509 (5.98)	488 (4.08)	469 (4.43)	423 (19.71)
LIE	338	.	338	. (.)	531 (9.48)	503 (8.13)	523 (12.03)	. (.)
MAC	6546	.	6546	554 (14.69)	549 (7.54)	522 (3.87)	498 (6.33)	. (.)
RUS	2153373	0.02	2152991	517 (8.39)	503 (5.08)	484 (4.14)	471 (6.88)	389 (10.53)
YUG	68596	0.57	68202	436 (7.96)	457 (4.76)	437 (3.76)	434 (3.63)	391 (10.22)
THA	637076	.	637076	415 (7.78)	421 (3.76)	434 (3.07)	437 (5.39)	402 (18.63)
TUN	150875	0.16	150640	393 (4.43)	391 (4.49)	387 (2.96)	378 (3.66)	334 (6.17)
URY	33775	0.17	33718	471 (9.37)	466 (4.87)	438 (3.13)	422 (4.00)	354 (7.05)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

In my Mathematics class, I understand even the most difficult work.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	571 (4.30)	554 (2.34)	521 (2.03)	500 (3.67)	460 (9.54)
AUT	85931	1.08	85003	537 (7.50)	528 (3.70)	501 (3.61)	485 (3.56)	455 (15.07)
BEL	111831	1.79	109825	536 (6.44)	546 (3.32)	537 (2.46)	510 (3.38)	423 (12.67)
CAN	330436	9.70	298375	586 (3.27)	556 (2.09)	521 (1.84)	495 (2.12)	485 (7.23)
CZE	121183	4.09	116221	561 (9.66)	566 (4.56)	521 (3.16)	496 (3.90)	460 (25.41)
DNK	51741	0.65	51406	578 (6.63)	556 (3.55)	507 (2.73)	477 (3.19)	496 (12.38)
FIN	57884	0.07	57845	617 (5.71)	580 (2.42)	532 (2.12)	506 (2.83)	537 (10.79)
FRA	734579	0.87	728167	525 (8.22)	550 (3.95)	523 (3.07)	493 (3.21)	463 (14.15)
DEU	884358	5.57	835070	542 (6.26)	538 (3.82)	515 (3.53)	499 (4.31)	422 (10.56)
GRC	105131	0.13	104991	463 (9.41)	469 (5.77)	453 (4.18)	427 (3.72)	328 (14.52)
HUN	107044	0.06	106984	532 (8.84)	535 (4.30)	495 (3.03)	484 (3.87)	412 (15.16)
ISL	3928	0.63	3903	549 (5.24)	532 (2.70)	496 (2.27)	470 (2.89)	446 (21.66)
IRL	54850	1.03	54285	539 (7.12)	520 (3.74)	497 (2.67)	476 (3.26)	405 (11.83)
ITA	481521	0.42	479499	489 (7.08)	491 (3.44)	462 (3.50)	443 (4.63)	385 (16.08)
JPN	1240054	0.10	1238855	526 (13.67)	576 (7.67)	559 (4.50)	533 (4.09)	431 (36.25)
KOR	533504	0.02	533393	600 (12.67)	596 (4.55)	555 (3.09)	519 (3.25)	. (.)
LUX	4080	0.08	4077	508 (5.86)	512 (2.87)	489 (2.37)	477 (2.67)	456 (11.85)
MEX	1071650	0.37	1067674	392 (7.62)	391 (5.34)	393 (3.75)	375 (5.95)	302 (8.11)
NLD	184943	3.26	178914	543 (7.53)	544 (4.37)	523 (3.65)	501 (4.27)	472 (11.31)
NZL	48638	1.17	48068	583 (7.74)	550 (3.16)	530 (2.49)	502 (4.06)	478 (14.01)
NOR	52816	0.77	52407	554 (9.44)	530 (4.21)	493 (3.09)	449 (2.62)	442 (12.52)
POL	534900	.	534900	527 (7.38)	516 (3.86)	479 (2.92)	463 (3.71)	348 (22.91)
PRT	96857	0.23	96637	497 (10.90)	494 (5.31)	469 (3.61)	435 (4.74)	435 (15.48)
SVK	77067	0.04	77034	536 (10.58)	528 (5.00)	487 (3.22)	460 (4.88)	429 (24.55)
ESP	344372	0.07	344114	501 (8.28)	509 (4.12)	484 (2.81)	453 (3.03)	396 (16.39)
SWE	107104	0.27	106810	567 (4.92)	534 (3.43)	494 (2.32)	470 (3.46)	461 (11.54)
CHE	86491	0.14	86370	547 (7.63)	544 (3.74)	515 (3.02)	500 (4.04)	460 (12.16)
TUR	481279	0.03	481137	430 (11.70)	455 (11.43)	408 (4.93)	387 (4.16)	312 (7.50)
GBR	698579	3.61	673362	548 (6.49)	529 (3.24)	503 (2.97)	484 (4.35)	462 (11.36)
USA	3147089	0.76	3123066	512 (6.42)	503 (3.73)	468 (3.29)	442 (3.95)	385 (14.04)
TOT	.	1.34	.	509 (3.05)	506 (1.63)	490 (1.22)	479 (1.39)	376 (5.02)
AVG	.	1.25	.	532 (1.59)	525 (0.93)	498 (0.65)	478 (0.79)	412 (3.34)
HKG	72484	0.21	72334	579 (9.39)	573 (4.12)	546 (4.47)	511 (5.63)	. (.)
IDN	1971476	0.00	1971403	329 (8.26)	353 (3.00)	373 (3.85)	370 (7.71)	300 (6.35)
LVA	33643	0.23	33565	515 (15.98)	505 (6.62)	482 (3.84)	459 (4.70)	405 (20.92)
LIE	338	.	338	. (.)	533 (9.08)	512 (7.07)	526 (11.04)	. (.)
MAC	6546	.	6546	565 (12.51)	551 (6.55)	531 (3.36)	508 (6.46)	. (.)
RUS	2153373	0.02	2152991	502 (7.43)	494 (5.44)	472 (4.19)	463 (6.29)	365 (10.49)
YUG	68596	0.57	68202	420 (8.21)	444 (4.11)	424 (3.41)	415 (4.10)	344 (9.47)
THA	637076	.	637076	412 (8.67)	419 (4.01)	429 (3.00)	432 (4.70)	353 (18.24)
TUN	150875	0.16	150640	354 (4.21)	353 (3.81)	346 (2.40)	337 (3.38)	299 (5.21)
URY	33775	0.17	33718	449 (8.97)	438 (5.80)	413 (3.44)	388 (4.50)	320 (8.97)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I worry that I will get poor <marks> in Mathematics.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.34	234792	18.05 (0.47)	39.49 (0.66)	30.89 (0.53)	10.55 (0.33)	1.03 (0.13)
AUT	85931	1.08	85003	19.70 (0.71)	23.36 (0.64)	28.60 (0.83)	26.82 (0.83)	1.52 (0.64)
BEL	111831	1.79	109825	23.28 (0.64)	43.01 (0.57)	20.98 (0.50)	9.46 (0.45)	3.27 (0.48)
CAN	330436	9.70	298375	22.17 (0.52)	34.44 (0.45)	26.44 (0.49)	14.18 (0.36)	2.76 (0.18)
CZE	121183	4.09	116221	12.81 (0.58)	37.54 (0.93)	35.13 (0.87)	13.48 (0.53)	1.03 (0.33)
DNK	51741	0.65	51406	11.03 (0.58)	28.48 (0.66)	37.05 (0.78)	20.79 (0.73)	2.65 (0.28)
FIN	57884	0.07	57845	12.56 (0.55)	38.22 (0.82)	34.70 (0.71)	13.74 (0.51)	0.78 (0.12)
FRA	734579	0.87	728167	31.54 (0.86)	42.09 (0.79)	15.98 (0.55)	8.43 (0.46)	1.96 (0.29)
DEU	884358	5.57	835070	20.12 (0.65)	25.91 (0.73)	26.27 (0.64)	26.15 (0.72)	1.55 (0.26)
GRC	105131	0.13	104991	16.03 (0.66)	35.76 (0.80)	31.63 (0.88)	15.31 (0.70)	1.27 (0.25)
HUN	107044	0.06	106984	19.26 (0.60)	42.32 (0.85)	27.00 (0.87)	10.58 (0.48)	0.85 (0.16)
ISL	3928	0.63	3903	26.26 (0.73)	32.26 (0.83)	25.64 (0.72)	15.01 (0.57)	0.83 (.)
IRL	54850	1.03	54285	21.93 (0.76)	37.61 (0.67)	29.04 (0.83)	10.28 (0.60)	1.13 (0.20)
ITA	481521	0.42	479499	28.09 (0.55)	43.66 (0.71)	19.28 (0.58)	7.93 (0.35)	1.04 (0.17)
JPN	1240054	0.10	1238855	31.58 (0.79)	34.01 (0.60)	25.42 (0.64)	8.32 (0.46)	0.67 (.)
KOR	533504	0.02	533393	30.21 (0.83)	47.62 (0.71)	15.66 (0.47)	6.19 (0.35)	0.32 (.)
LUX	4080	0.08	4077	28.61 (0.60)	31.59 (0.68)	22.17 (0.69)	16.02 (0.53)	1.62 (0.18)
MEX	1071650	0.37	1067674	43.47 (0.84)	37.85 (0.73)	8.25 (0.50)	4.05 (0.27)	6.39 (0.52)
NLD	184943	3.24	178945	11.10 (0.67)	31.99 (0.90)	39.02 (0.98)	16.01 (0.79)	1.88 (0.32)
NZL	48638	1.15	48079	17.20 (0.61)	38.52 (0.74)	31.40 (0.79)	12.09 (0.51)	0.79 (0.14)
NOR	52816	0.77	52407	23.61 (0.78)	33.01 (0.77)	25.92 (0.84)	15.16 (0.65)	2.31 (0.40)
POL	534900	.	534900	13.95 (0.56)	42.37 (0.97)	29.50 (0.83)	13.11 (0.57)	1.07 (0.22)
PRT	96857	0.23	96637	22.05 (0.66)	43.45 (0.93)	23.87 (0.67)	8.97 (0.49)	1.66 (0.27)
SVK	77067	0.04	77034	9.97 (0.48)	41.81 (0.66)	35.61 (0.73)	11.10 (0.47)	1.52 (0.50)
ESP	344372	0.07	344114	32.22 (0.62)	43.70 (0.78)	15.29 (0.41)	7.51 (0.37)	1.27 (0.18)
SWE	107104	0.27	106810	16.75 (0.72)	28.81 (0.91)	32.59 (0.80)	20.55 (0.65)	1.30 (0.20)
CHE	86491	0.14	86370	16.52 (0.64)	29.60 (0.70)	30.78 (0.63)	20.94 (0.67)	2.17 (0.26)
TUR	481279	0.03	481137	24.06 (0.77)	39.81 (0.74)	20.73 (0.83)	9.76 (0.57)	5.65 (0.72)
GBR	698579	3.61	673362	18.94 (0.71)	37.90 (0.76)	29.85 (0.84)	11.70 (0.58)	1.61 (0.19)
USA	3147089	0.76	3123066	15.98 (0.58)	30.30 (0.65)	32.21 (0.71)	19.68 (0.56)	1.82 (0.21)
TOT	.	1.34	.	23.58 (0.24)	35.71 (0.22)	25.19 (0.25)	13.44 (0.18)	2.08 (0.09)
AVG	.	1.24	.	21.32 (0.13)	36.58 (0.14)	26.87 (0.13)	13.43 (0.11)	1.79 (0.06)
HKG	72484	0.21	72334	28.65 (0.73)	43.08 (0.79)	20.42 (0.69)	7.58 (0.43)	0.27 (.)
IDN	1971476	0.00	1971403	13.36 (0.55)	50.26 (0.83)	27.05 (0.76)	5.49 (0.35)	3.84 (0.47)
LVA	33643	0.23	33565	23.73 (0.89)	49.04 (0.85)	20.77 (0.71)	5.90 (0.39)	0.57 (0.12)
LIE	338	.	338	17.25 (2.10)	33.72 (2.72)	28.87 (2.17)	19.26 (1.94)	0.90 (.)
MAC	6546	.	6546	27.15 (1.54)	35.81 (1.50)	25.03 (1.30)	11.74 (1.12)	0.26 (.)
RUS	2153373	0.02	2152991	18.68 (0.53)	51.92 (0.91)	21.40 (0.79)	6.22 (0.32)	1.78 (0.20)
YUG	68596	0.57	68202	22.94 (0.86)	35.79 (0.86)	24.56 (0.82)	10.42 (0.60)	6.29 (0.73)
THA	637076	.	637076	19.62 (0.67)	54.71 (0.83)	21.64 (0.85)	3.10 (0.29)	0.93 (0.16)
TUN	150875	0.16	150640	46.72 (0.86)	29.92 (0.80)	10.98 (0.41)	8.97 (0.44)	3.41 (0.33)
URY	33775	0.17	33717	45.65 (0.84)	33.33 (0.60)	9.34 (0.44)	6.87 (0.30)	4.81 (0.39)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I worry that I will get poor <marks> in Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	515 (3.49)	524 (2.34)	532 (2.60)	543 (3.77)	391 (11.73)
AUT	85931	1.08	85003	487 (4.53)	487 (4.21)	495 (5.04)	504 (4.53)	452 (29.92)
BEL	111831	1.79	109825	515 (3.14)	522 (2.99)	515 (3.89)	493 (6.35)	340 (21.53)
CAN	330436	9.70	298375	523 (2.46)	526 (2.28)	538 (1.94)	552 (3.02)	490 (6.89)
CZE	121183	4.09	116221	472 (4.42)	487 (2.96)	508 (3.68)	519 (4.18)	417 (29.32)
DNK	51741	0.65	51406	458 (5.32)	475 (3.76)	504 (2.95)	521 (3.87)	444 (15.70)
FIN	57884	0.07	57845	528 (3.45)	537 (2.28)	552 (2.01)	556 (3.96)	501 (18.06)
FRA	734579	0.87	728167	500 (3.40)	504 (3.09)	494 (4.56)	487 (6.00)	390 (16.10)
DEU	884358	5.57	835070	483 (5.28)	495 (4.54)	509 (4.45)	520 (4.17)	372 (16.87)
GRC	105131	0.13	104991	459 (5.27)	463 (4.19)	487 (4.69)	494 (6.06)	300 (18.60)
HUN	107044	0.06	106984	477 (3.60)	476 (2.93)	489 (3.60)	505 (5.81)	359 (16.37)
ISL	3928	0.63	3903	482 (3.20)	485 (3.67)	504 (3.51)	512 (4.93)	. (.)
IRL	54850	1.03	54285	501 (3.71)	518 (3.42)	520 (3.62)	531 (5.33)	401 (21.12)
ITA	481521	0.42	479499	475 (3.86)	475 (3.27)	485 (3.86)	474 (7.42)	372 (17.57)
JPN	1240054	0.10	1238855	498 (4.42)	507 (4.41)	499 (5.00)	473 (7.59)	. (.)
KOR	533504	0.02	533393	541 (3.36)	533 (3.23)	534 (4.38)	518 (6.90)	. (.)
LUX	4080	0.08	4077	472 (3.46)	482 (2.86)	490 (3.36)	487 (4.76)	353 (16.75)
MEX	1071650	0.37	1067674	420 (3.90)	398 (4.15)	380 (9.09)	397 (9.39)	306 (8.52)
NLD	184943	3.24	178945	507 (5.30)	517 (3.70)	521 (3.01)	520 (4.93)	484 (11.13)
NZL	48638	1.15	48079	499 (4.94)	518 (3.48)	537 (3.52)	545 (5.38)	435 (18.19)
NOR	52816	0.77	52407	474 (4.08)	494 (3.26)	519 (3.96)	536 (5.87)	421 (19.32)
POL	534900	.	534900	481 (4.50)	485 (3.28)	513 (3.82)	528 (4.94)	329 (21.34)
PRT	96857	0.23	96637	479 (4.55)	474 (4.16)	485 (5.52)	486 (6.34)	423 (17.18)
SVK	77067	0.04	77034	449 (6.18)	462 (3.42)	479 (3.83)	493 (4.68)	383 (25.20)
ESP	344372	0.07	344114	491 (3.01)	485 (3.36)	473 (4.66)	450 (5.63)	327 (14.41)
SWE	107104	0.27	106810	488 (4.84)	505 (3.38)	521 (3.53)	545 (4.14)	437 (20.57)
CHE	86491	0.14	86370	489 (4.57)	497 (3.47)	504 (3.68)	512 (5.13)	410 (16.97)
TUR	481279	0.03	481137	444 (5.44)	440 (5.74)	455 (8.57)	459 (9.20)	351 (7.88)
GBR	698579	3.61	673362	492 (3.58)	505 (3.43)	516 (3.38)	522 (4.97)	425 (14.52)
USA	3147089	0.76	3123066	473 (4.67)	488 (4.06)	507 (3.08)	521 (4.78)	362 (14.68)
TOT	.	1.34	.	478 (1.48)	486 (1.32)	502 (1.47)	510 (2.08)	357 (4.93)
AVG	.	1.24	.	485 (0.78)	492 (0.78)	507 (0.76)	513 (1.03)	384 (3.64)
HKG	72484	0.21	72334	507 (4.02)	508 (4.89)	516 (3.72)	519 (7.15)	. (.)
IDN	1971476	0.00	1971403	394 (4.76)	393 (3.45)	370 (3.56)	361 (6.49)	305 (9.14)
LVA	33643	0.23	33565	487 (5.01)	485 (3.70)	504 (5.95)	510 (6.92)	402 (21.54)
LIE	338	.	338	515 (10.59)	518 (9.47)	527 (8.78)	543 (11.18)	. (.)
MAC	6546	.	6546	499 (4.84)	494 (3.14)	497 (3.99)	508 (7.78)	. (.)
RUS	2153373	0.02	2152991	441 (4.40)	436 (4.17)	458 (5.10)	475 (7.84)	311 (10.80)
YUG	68596	0.57	68202	407 (4.06)	413 (3.62)	424 (4.35)	435 (5.54)	344 (10.29)
THA	637076	.	637076	438 (3.60)	418 (3.16)	410 (4.41)	424 (8.45)	356 (18.54)
TUN	150875	0.16	150640	390 (3.89)	375 (3.77)	345 (4.93)	354 (5.66)	304 (9.57)
URY	33775	0.17	33717	440 (3.88)	435 (4.67)	451 (6.31)	442 (9.48)	333 (9.87)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I worry that I will get poor <marks> in Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	496 (3.58)	518 (2.28)	541 (2.32)	562 (4.23)	423 (11.41)
AUT	85931	1.08	85003	477 (4.19)	494 (3.47)	514 (4.11)	536 (4.49)	459 (16.07)
BEL	111831	1.79	109825	522 (2.87)	542 (2.83)	549 (3.63)	530 (5.93)	382 (20.19)
CAN	330436	9.70	298375	511 (2.53)	527 (2.22)	551 (1.96)	577 (2.68)	495 (6.72)
CZE	121183	4.09	116221	481 (4.84)	506 (3.13)	542 (3.92)	563 (4.50)	442 (30.42)
DNK	51741	0.65	51406	459 (4.74)	483 (3.55)	528 (2.56)	569 (4.11)	463 (14.78)
FIN	57884	0.07	57845	509 (3.64)	527 (2.24)	561 (2.10)	583 (4.34)	495 (14.99)
FRA	734579	0.87	728167	509 (3.55)	517 (2.96)	516 (4.18)	509 (5.90)	435 (15.31)
DEU	884358	5.57	835070	473 (4.65)	499 (4.40)	523 (3.92)	547 (3.85)	408 (11.72)
GRC	105131	0.13	104991	412 (3.96)	427 (4.08)	465 (4.34)	489 (5.63)	347 (15.22)
HUN	107044	0.06	106984	471 (3.49)	479 (3.34)	508 (3.68)	530 (6.38)	400 (18.84)
ISL	3928	0.63	3903	481 (2.71)	508 (2.66)	536 (3.01)	561 (4.54)	. (.)
IRL	54850	1.03	54285	472 (3.58)	503 (3.18)	518 (3.48)	534 (5.35)	393 (15.55)
ITA	481521	0.42	479499	458 (4.16)	464 (3.14)	480 (4.86)	478 (5.75)	396 (14.34)
JPN	1240054	0.10	1238855	522 (4.31)	542 (4.14)	547 (5.02)	520 (8.03)	. (.)
KOR	533504	0.02	533393	537 (3.19)	540 (3.61)	557 (4.72)	549 (7.78)	. (.)
LUX	4080	0.08	4077	467 (2.61)	491 (2.70)	512 (2.93)	524 (4.23)	428 (13.56)
MEX	1071650	0.37	1067674	399 (3.62)	385 (3.43)	374 (8.08)	392 (8.27)	305 (7.32)
NLD	184943	3.24	178945	512 (5.03)	537 (4.01)	552 (3.30)	561 (5.01)	481 (9.15)
NZL	48638	1.15	48079	481 (4.69)	514 (2.76)	547 (3.06)	570 (5.43)	438 (16.16)
NOR	52816	0.77	52407	454 (2.91)	484 (2.75)	521 (3.61)	553 (5.52)	422 (12.19)
POL	534900	.	534900	453 (3.70)	473 (2.55)	515 (3.47)	542 (4.98)	352 (14.63)
PRT	96857	0.23	96637	455 (3.77)	460 (3.79)	482 (4.83)	491 (6.56)	424 (12.08)
SVK	77067	0.04	77034	462 (7.21)	485 (3.13)	514 (3.99)	538 (5.37)	426 (25.21)
ESP	344372	0.07	344114	484 (2.61)	489 (2.70)	491 (4.49)	476 (5.84)	362 (12.60)
SWE	107104	0.27	106810	461 (4.59)	489 (2.64)	520 (3.24)	564 (4.09)	437 (17.44)
CHE	86491	0.14	86370	497 (3.72)	514 (3.65)	538 (4.08)	558 (5.05)	446 (15.62)
TUR	481279	0.03	481137	415 (5.75)	421 (6.60)	448 (9.58)	457 (11.22)	328 (9.28)
GBR	698579	3.61	673362	476 (3.70)	501 (2.93)	525 (3.15)	547 (4.97)	436 (13.45)
USA	3147089	0.76	3123066	446 (4.26)	469 (3.84)	498 (3.03)	521 (4.72)	381 (13.32)
TOT	.	1.34	.	468 (1.46)	484 (1.12)	510 (1.32)	525 (1.97)	371 (4.72)
AVG	.	1.24	.	474 (0.83)	493 (0.68)	521 (0.71)	539 (1.00)	401 (3.43)
HKG	72484	0.21	72334	533 (4.64)	546 (5.64)	570 (4.72)	592 (8.42)	. (.)
IDN	1971476	0.00	1971403	367 (4.83)	370 (4.19)	353 (4.16)	345 (6.33)	281 (6.14)
LVA	33643	0.23	33565	466 (4.35)	477 (3.58)	509 (6.29)	526 (7.04)	418 (17.93)
LIE	338	.	338	504 (12.95)	516 (9.05)	549 (9.38)	579 (11.60)	. (.)
MAC	6546	.	6546	515 (5.07)	517 (4.38)	537 (5.56)	566 (12.42)	. (.)
RUS	2153373	0.02	2152991	461 (4.59)	460 (4.55)	490 (5.12)	514 (7.48)	380 (9.09)
YUG	68596	0.57	68202	419 (4.16)	436 (3.83)	458 (4.37)	472 (5.66)	369 (8.96)
THA	637076	.	637076	426 (3.34)	413 (3.35)	419 (4.43)	423 (8.19)	380 (16.67)
TUN	150875	0.16	150640	371 (3.34)	356 (3.11)	337 (3.67)	349 (5.43)	313 (7.13)
URY	33775	0.17	33717	420 (3.75)	427 (4.35)	448 (6.39)	446 (8.34)	326 (7.81)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I worry that I will get poor <marks> in Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	503 (3.40)	520 (2.58)	538 (3.00)	556 (3.96)	422 (12.80)
AUT	85931	1.08	85003	475 (4.24)	484 (3.70)	496 (4.55)	513 (4.48)	434 (21.50)
BEL	111831	1.79	109825	510 (3.17)	522 (2.94)	520 (3.98)	502 (5.83)	353 (17.42)
CAN	330436	9.70	298375	500 (2.78)	514 (2.69)	537 (2.33)	560 (3.07)	478 (7.68)
CZE	121183	4.09	116221	495 (5.18)	515 (3.27)	544 (3.92)	561 (4.52)	452 (30.96)
DNK	51741	0.65	51406	423 (6.61)	447 (3.93)	490 (3.41)	526 (4.28)	417 (15.85)
FIN	57884	0.07	57845	520 (3.71)	535 (2.69)	563 (2.42)	580 (4.43)	498 (15.00)
FRA	734579	0.87	728167	513 (3.71)	519 (3.65)	507 (5.35)	506 (6.62)	415 (18.09)
DEU	884358	5.57	835070	480 (5.18)	500 (4.75)	523 (4.29)	542 (4.36)	398 (15.00)
GRC	105131	0.13	104991	456 (5.42)	467 (4.20)	498 (4.50)	513 (5.28)	387 (15.82)
HUN	107044	0.06	106984	496 (3.66)	495 (3.09)	514 (3.94)	533 (7.31)	397 (20.78)
ISL	3928	0.63	3903	469 (3.08)	489 (2.93)	512 (3.42)	530 (5.15)	. (.)
IRL	54850	1.03	54285	482 (3.97)	506 (3.33)	515 (3.81)	531 (5.84)	413 (18.52)
ITA	481521	0.42	479499	485 (4.28)	483 (3.47)	499 (4.71)	494 (6.90)	408 (19.98)
JPN	1240054	0.10	1238855	542 (4.90)	556 (4.30)	554 (5.21)	527 (8.23)	. (.)
KOR	533504	0.02	533393	542 (3.68)	536 (3.97)	544 (5.18)	533 (8.45)	. (.)
LUX	4080	0.08	4077	460 (3.09)	482 (3.12)	501 (3.70)	510 (5.25)	374 (17.65)
MEX	1071650	0.37	1067674	418 (3.65)	403 (3.37)	393 (7.01)	412 (7.98)	337 (6.90)
NLD	184943	3.24	178945	506 (6.16)	526 (4.17)	535 (3.55)	540 (6.18)	462 (12.88)
NZL	48638	1.15	48079	488 (5.04)	512 (3.07)	541 (3.37)	560 (5.59)	433 (15.89)
NOR	52816	0.77	52407	444 (3.61)	475 (3.50)	510 (3.88)	539 (5.88)	393 (14.73)
POL	534900	.	534900	465 (5.14)	479 (3.28)	522 (3.65)	550 (5.83)	390 (15.93)
PRT	96857	0.23	96637	465 (4.25)	463 (3.94)	479 (5.24)	481 (6.84)	415 (14.04)
SVK	77067	0.04	77034	468 (7.19)	486 (3.23)	508 (4.92)	528 (5.65)	385 (32.31)
ESP	344372	0.07	344114	492 (3.14)	491 (3.24)	488 (4.77)	470 (6.83)	341 (17.59)
SWE	107104	0.27	106810	469 (5.05)	491 (3.40)	516 (3.73)	549 (5.15)	423 (21.46)
CHE	86491	0.14	86370	489 (4.55)	506 (4.00)	521 (4.50)	538 (5.27)	439 (15.51)
TUR	481279	0.03	481137	430 (5.61)	431 (5.89)	453 (8.57)	460 (9.99)	366 (8.79)
GBR	698579	3.61	673362	492 (3.78)	513 (3.53)	533 (3.52)	549 (5.55)	437 (14.64)
USA	3147089	0.76	3123066	460 (4.31)	480 (4.04)	504 (3.21)	525 (4.51)	377 (18.50)
TOT	.	1.34	.	481 (1.49)	491 (1.20)	513 (1.46)	525 (1.92)	381 (4.95)
AVG	.	1.24	.	481 (0.82)	494 (0.70)	516 (0.77)	529 (1.10)	398 (3.18)
HKG	72484	0.21	72334	530 (4.41)	536 (5.46)	552 (4.41)	570 (7.62)	. (.)
IDN	1971476	0.00	1971403	406 (4.50)	402 (3.40)	387 (3.64)	381 (5.65)	340 (5.84)
LVA	33643	0.23	33565	478 (4.67)	484 (3.99)	508 (6.00)	523 (8.74)	403 (21.96)
LIE	338	.	338	504 (11.74)	504 (9.49)	539 (10.06)	559 (14.22)	. (.)
MAC	6546	.	6546	520 (5.21)	517 (4.80)	528 (5.60)	555 (12.48)	. (.)
RUS	2153373	0.02	2152991	482 (4.24)	481 (4.61)	511 (5.24)	535 (8.75)	390 (13.18)
YUG	68596	0.57	68202	427 (4.25)	434 (3.74)	449 (4.71)	465 (5.74)	392 (10.37)
THA	637076	.	637076	439 (3.76)	426 (2.98)	428 (4.07)	441 (7.69)	401 (18.32)
TUN	150875	0.16	150640	400 (3.26)	381 (3.46)	360 (5.42)	368 (5.57)	329 (8.26)
URY	33775	0.17	33717	440 (3.45)	442 (4.13)	452 (6.36)	454 (8.19)	348 (8.32)

Student Questionnaire – Question 32

Q32 Thinking about studying Mathematics: To what extent do you agree with the following statements?

I worry that I will get poor <marks> in Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.34	234792	507 (3.23)	524 (2.15)	544 (2.48)	561 (3.85)	432 (11.41)
AUT	85931	1.08	85003	483 (3.86)	495 (3.71)	514 (4.03)	534 (4.57)	445 (17.38)
BEL	111831	1.79	109825	518 (3.07)	537 (2.78)	543 (3.57)	523 (6.02)	401 (13.09)
CAN	330436	9.70	298375	511 (2.38)	525 (2.17)	547 (1.97)	572 (2.66)	492 (7.26)
CZE	121183	4.09	116221	486 (4.67)	508 (3.07)	539 (3.81)	559 (4.45)	443 (34.41)
DNK	51741	0.65	51406	467 (4.60)	490 (3.43)	530 (2.40)	565 (3.87)	463 (15.57)
FIN	57884	0.07	57845	520 (3.68)	534 (2.32)	561 (2.38)	580 (4.10)	503 (13.56)
FRA	734579	0.87	728167	517 (3.41)	526 (3.27)	522 (4.28)	517 (5.81)	436 (17.28)
DEU	884358	5.57	835070	487 (4.72)	509 (4.41)	529 (3.90)	549 (3.69)	419 (12.96)
GRC	105131	0.13	104991	418 (4.84)	434 (3.97)	467 (4.85)	486 (5.84)	328 (14.76)
HUN	107044	0.06	106984	482 (3.71)	492 (3.44)	518 (3.86)	538 (6.23)	401 (16.55)
ISL	3928	0.63	3903	481 (2.47)	497 (2.78)	523 (2.84)	541 (3.82)	. (.)
IRL	54850	1.03	54285	473 (3.57)	499 (2.90)	511 (3.21)	524 (4.88)	392 (14.08)
ITA	481521	0.42	479499	463 (4.04)	469 (3.25)	482 (4.70)	479 (6.32)	364 (16.34)
JPN	1240054	0.10	1238855	536 (4.38)	555 (4.42)	559 (5.38)	534 (8.34)	. (.)
KOR	533504	0.02	533393	549 (2.94)	549 (3.43)	561 (4.35)	548 (7.61)	. (.)
LUX	4080	0.08	4077	470 (2.50)	494 (2.90)	509 (3.16)	519 (4.61)	437 (14.34)
MEX	1071650	0.37	1067674	400 (4.22)	383 (4.30)	372 (8.93)	389 (9.36)	297 (8.86)
NLD	184943	3.24	178945	494 (5.51)	518 (3.98)	533 (3.29)	539 (5.28)	455 (11.86)
NZL	48638	1.15	48079	497 (4.57)	526 (2.82)	552 (3.16)	572 (5.49)	453 (18.46)
NOR	52816	0.77	52407	448 (3.90)	481 (3.20)	516 (3.99)	544 (6.07)	421 (14.92)
POL	534900	.	534900	458 (4.02)	472 (2.86)	507 (3.94)	531 (5.13)	327 (24.66)
PRT	96857	0.23	96637	460 (4.44)	465 (4.26)	485 (5.36)	488 (6.82)	426 (14.49)
SVK	77067	0.04	77034	456 (6.74)	479 (3.29)	507 (3.96)	531 (5.02)	431 (28.08)
ESP	344372	0.07	344114	484 (2.84)	488 (3.07)	484 (4.92)	465 (5.57)	346 (16.11)
SWE	107104	0.27	106810	470 (4.32)	495 (2.59)	517 (3.32)	552 (3.72)	434 (17.71)
CHE	86491	0.14	86370	497 (3.57)	512 (3.23)	531 (3.83)	549 (4.83)	434 (15.39)
TUR	481279	0.03	481137	402 (5.34)	405 (5.94)	430 (8.55)	437 (9.45)	314 (9.35)
GBR	698579	3.61	673362	482 (3.53)	504 (3.26)	526 (3.06)	540 (5.25)	446 (11.68)
USA	3147089	0.76	3123066	441 (4.24)	465 (4.31)	492 (3.09)	513 (4.82)	369 (13.90)
TOT	.	1.34	.	472 (1.58)	485 (1.31)	509 (1.31)	521 (2.02)	364 (4.99)
AVG	.	1.24	.	478 (0.84)	494 (0.72)	518 (0.71)	533 (1.02)	396 (3.68)
HKG	72484	0.21	72334	535 (4.28)	544 (5.50)	564 (4.43)	582 (8.05)	. (.)
IDN	1971476	0.00	1971403	370 (4.93)	371 (3.50)	352 (3.38)	346 (5.31)	293 (5.97)
LVA	33643	0.23	33565	468 (4.75)	476 (3.84)	507 (6.74)	519 (7.81)	380 (15.62)
LIE	338	.	338	504 (11.99)	513 (9.77)	541 (8.48)	566 (11.84)	. (.)
MAC	6546	.	6546	523 (5.98)	528 (4.04)	538 (5.19)	552 (10.00)	. (.)
RUS	2153373	0.02	2152991	472 (4.49)	471 (4.91)	500 (5.81)	520 (7.93)	366 (11.29)
YUG	68596	0.57	68202	409 (3.75)	422 (3.53)	437 (4.34)	447 (5.95)	350 (9.72)
THA	637076	.	637076	437 (3.25)	422 (3.05)	423 (4.53)	433 (8.44)	362 (19.36)
TUN	150875	0.16	150640	355 (2.95)	344 (2.93)	324 (3.98)	337 (4.98)	301 (6.66)
URY	33775	0.17	33717	408 (4.15)	415 (4.47)	439 (6.47)	439 (9.41)	306 (9.23)

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
Homework or other study set by your Mathematics teacher
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.34	234795	8.69	2.3 (0.04)	0.00	0.00	1.00	2.00	3.00	5.00	6.00
AUT	85931	1.08	85003	10.46	1.7 (0.04)	0.00	0.10	1.00	1.00	2.00	4.00	5.00
BEL	111831	1.79	109825	9.12	2.2 (0.04)	0.00	0.20	1.00	2.00	3.00	5.00	6.00
CAN	330436	9.70	298375	9.35	2.8 (0.05)	0.00	0.00	1.00	2.00	4.00	6.00	8.00
CZE	121183	4.09	116221	11.04	1.7 (0.04)	0.00	0.00	1.00	1.00	2.00	4.00	5.00
DNK	51741	0.65	51406	12.33	2.6 (0.04)	0.00	1.00	1.00	2.00	3.00	5.00	7.00
FIN	57884	0.07	57845	3.75	1.5 (0.03)	0.00	0.00	0.50	1.00	2.00	3.00	4.00
FRA	734579	0.87	728167	9.93	2.5 (0.05)	0.00	1.00	1.00	2.00	3.00	5.00	6.00
DEU	884358	5.57	835070	9.49	2.6 (0.05)	0.00	1.00	1.00	2.00	3.00	5.00	6.00
GRC	105131	0.61	104485	16.17	3.3 (0.07)	0.00	1.00	1.00	3.00	5.00	6.00	8.00
HUN	107044	0.06	106984	10.60	3.3 (0.05)	0.50	1.00	1.00	3.00	4.00	6.00	8.00
ISL	3928	0.63	3903	8.09	2.3 (0.03)	0.00	0.00	1.00	2.00	3.00	5.00	7.00
IRL	54850	1.03	54285	8.51	2.8 (0.05)	0.00	1.00	1.00	2.00	4.00	6.00	7.00
ITA	481521	0.20	480544	6.11	3.5 (0.07)	0.00	1.00	2.00	3.00	5.00	7.00	8.00
JPN	1240054	0.10	1238855	11.11	2.0 (0.10)	0.00	0.00	1.00	1.00	2.00	5.00	7.00
KOR	533504	0.02	533393	14.73	1.8 (0.06)	0.00	0.00	1.00	1.00	2.00	4.00	5.00
LUX	4080	0.08	4077	11.38	2.3 (0.04)	0.00	0.50	1.00	2.00	3.00	5.00	6.00
MEX	1071650	13.46	927393	11.51	3.2 (0.07)	1.00	1.00	1.00	2.00	4.00	7.00	10.00
NLD	184943	3.09	179228	6.99	1.9 (0.05)	0.00	0.00	1.00	1.00	2.50	4.00	5.00
NZL	48638	0.69	48300	7.51	1.7 (0.03)	0.00	0.00	0.50	1.00	2.00	4.00	5.00
NOR	52816	0.77	52407	8.16	1.8 (0.04)	0.00	0.00	1.00	1.00	2.00	4.00	5.00
POL	534900	.	534900	1.17	4.1 (0.08)	1.00	1.00	2.00	3.00	5.00	8.00	10.00
PRT	96857	0.23	96637	10.66	2.0 (0.04)	0.00	0.30	1.00	2.00	3.00	4.00	5.00
SVK	77067	0.03	77043	9.57	3.2 (0.06)	0.00	0.50	1.00	2.00	5.00	6.50	9.00
ESP	344372	0.07	344114	8.46	2.9 (0.05)	0.00	1.00	1.00	2.00	4.00	6.00	7.00
SWE	107104	0.25	106838	6.90	1.3 (0.03)	0.00	0.00	0.50	1.00	2.00	3.00	4.00
CHE	86491	0.16	86356	8.90	1.9 (0.04)	0.00	0.40	1.00	1.00	2.00	4.00	5.00
TUR	481279	0.03	481137	24.84	2.8 (0.07)	0.00	1.00	1.00	2.00	4.00	5.00	8.00
GBR	698579	3.61	673362	7.11	2.0 (0.04)	0.00	0.50	1.00	1.50	2.00	4.00	5.00
USA	3147089	0.76	3123066	12.15	2.8 (0.05)	0.00	0.00	1.00	2.00	4.00	6.00	8.00
TOT	.	2.50	.	10.71	2.6 (0.02)	0.00	0.00	1.00	2.00	3.00	6.00	7.00
AVG	.	1.67	.	9.83	2.4 (0.01)	0.00	0.00	1.00	2.00	3.00	5.00	7.00
HKG	72484	0.21	72334	7.43	3.1 (0.09)	0.00	1.00	1.00	2.00	4.00	7.00	10.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	9.95	3.7 (0.08)	0.00	1.00	2.00	3.00	5.00	7.00	10.00
LIE	338	.	338	8.19	1.7 (0.08)	0.30	0.50	1.00	1.00	2.00	3.00	4.30
MAC	6546	.	6546	9.00	4.3 (0.11)	1.00	1.00	1.00	3.00	6.00	10.00	12.00
RUS	2153373	0.02	2152991	4.62	5.0 (0.10)	1.00	1.00	2.50	4.00	6.00	10.00	12.00
YUG	68596	0.51	68244	21.16	2.4 (0.07)	0.00	0.00	1.00	2.00	3.00	5.00	7.00
THA	637076	.	637076	0.09	4.0 (0.11)	1.00	1.00	1.00	3.00	5.00	10.00	12.00
TUN	150875	0.09	150739	30.88	2.8 (0.08)	0.00	1.00	1.00	2.00	3.00	6.00	7.00
URY	33775	0.19	33710	13.36	2.8 (0.05)	0.00	1.00	1.00	2.00	4.00	6.00	7.00

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
<Remedial classes> in Mathematics at school
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.37	234719	19.40	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
AUT	85931	1.08	85003	11.84	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
BEL	111831	1.79	109825	13.58	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CAN	330436	9.70	298375	17.03	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CZE	121183	4.09	116221	9.31	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
DNK	51741	0.65	51406	15.94	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.73	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
FRA	734579	0.87	728167	16.57	0.3 (0.02)	0.00	0.00	0.00	0.00	1.00	1.00	1.00
DEU	884358	5.57	835070	22.17	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRC	105131	0.19	104935	22.78	0.8 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
HUN	107044	0.06	106984	19.58	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
ISL	3928	0.63	3903	15.54	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IRL	54850	1.03	54285	36.15	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
ITA	481521	0.20	480544	12.80	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	2.00
JPN	1240054	0.10	1238855	11.60	0.5 (0.04)	0.00	0.00	0.00	0.00	0.50	1.30	2.00
KOR	533504	0.02	533393	15.03	1.4 (0.07)	0.00	0.00	0.00	1.00	2.00	4.00	4.00
LUX	4080	0.10	4076	35.93	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.50	1.00
MEX	1071650	67.73	345871	16.77	2.2 (0.05)	1.00	1.00	1.00	1.00	3.00	5.00	6.00
NLD	184943	3.09	179228	6.31	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
NZL	48638	0.69	48300	27.62	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	4.00
NOR	52816	0.77	52407	26.48	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
POL	534900	.	534900	1.25	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
PRT	96857	0.23	96637	20.14	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SVK	77067	0.03	77043	9.93	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
ESP	344372	0.07	344114	17.80	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
SWE	107104	0.25	106838	21.38	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CHE	86491	0.14	86370	32.15	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
TUR	481279	0.03	481137	52.22	1.5 (0.06)	0.00	0.00	0.00	1.00	2.00	4.00	5.00
GBR	698579	3.61	673362	16.90	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
USA	3147089	0.76	3123066	19.14	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	4.00
TOT	.	7.31	.	17.92	0.5 (0.01)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
AVG	.	3.46	.	18.98	0.3 (0.00)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
HKG	72484	0.23	72319	10.62	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	13.20	0.6 (0.02)	0.00	0.00	0.00	0.00	1.00	2.00	2.00
LIE	338	.	338	24.07	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
MAC	6546	.	6546	12.98	0.6 (0.05)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
RUS	2153373	0.02	2152991	20.60	1.2 (0.05)	0.00	0.00	0.00	1.00	2.00	3.00	4.00
YUG	68596	0.51	68244	22.79	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
THA	637076	.	637076	0.10	0.5 (0.02)	0.00	0.00	0.00	0.00	1.00	2.00	2.00
TUN	150875	0.11	150705	30.22	0.9 (0.03)	0.00	0.00	0.00	0.00	2.00	2.00	3.00
URY	33775	0.23	33698	44.12	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
<Enrichment classes> in Mathematics at school
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.37	234725	19.38	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
AUT	85931	1.08	85003	11.73	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BEL	111831	1.79	109825	14.22	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CAN	330436	9.70	298375	15.43	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
CZE	121183	4.09	116221	8.95	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DNK	51741	0.65	51406	16.44	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.92	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
FRA	734579	0.87	728167	19.54	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
DEU	884358	5.57	835070	23.44	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRC	105131	0.17	104956	28.46	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
HUN	107044	0.06	106984	21.67	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISL	3928	0.63	3903	15.59	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IRL	54850	1.03	54285	36.09	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ITA	481521	0.20	480544	13.71	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
JPN	1240054	0.10	1238855	14.35	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
KOR	533504	0.02	533393	19.40	0.7 (0.04)	0.00	0.00	0.00	0.00	1.00	2.00	4.00
LUX	4080	0.10	4076	38.85	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEX	1071650	72.74	292132	16.49	2.0 (0.05)	1.00	1.00	1.00	1.00	2.00	5.00	5.00
NLD	184943	3.09	179228	9.51	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
NZL	48638	0.69	48300	25.42	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
NOR	52816	0.77	52407	25.50	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POL	534900	.	534900	1.37	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
PRT	96857	0.23	96637	23.47	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SVK	77067	0.03	77043	7.56	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ESP	344372	0.07	344114	18.55	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SWE	107104	0.25	106838	20.36	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHE	86491	0.14	86370	34.28	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TUR	481279	0.03	481137	59.83	1.2 (0.06)	0.00	0.00	0.00	1.00	2.00	3.00	5.00
GBR	698579	3.61	673362	17.15	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
USA	3147089	0.76	3123066	17.71	0.5 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	4.00
TOT	.	7.75	.	18.82	0.4 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
AVG	.	3.63	.	20.07	0.2 (0.00)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
HKG	72484	0.23	72319	9.82	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	9.81	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
LIE	338	.	338	24.69	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
MAC	6546	.	6546	13.05	0.3 (0.06)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
RUS	2153373	0.02	2152991	27.59	0.6 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
YUG	68596	0.51	68244	22.75	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
THA	637076	.	637076	0.10	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TUN	150875	100.00	.	.	. (.)	.	.	.	.	.	.	.
URY	33775	0.23	33698	45.97	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
Work with a <Mathematics tutor>
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234745	14.35	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
AUT	85931	1.08	85003	12.72	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
BEL	111831	1.79	109825	13.58	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAN	330436	9.70	298375	13.77	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CZE	121183	4.09	116221	10.04	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
DNK	51741	0.65	51406	16.59	0.0 (0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.50	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FRA	734579	0.87	728167	17.95	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
DEU	884358	5.57	835070	23.21	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
GRC	105131	0.15	104976	23.65	0.9 (0.04)	0.00	0.00	0.00	0.00	2.00	3.00	4.00
HUN	107044	0.06	106984	22.30	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
ISL	3928	0.63	3903	13.78	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IRL	54850	1.03	54285	33.75	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
ITA	481521	0.20	480544	13.68	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
JPN	1240054	0.10	1238855	10.68	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOR	533504	0.02	533393	17.74	0.7 (0.03)	0.00	0.00	0.00	0.00	0.00	3.00	4.00
LUX	4080	0.10	4076	36.07	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
MEX	1071650	87.39	135168	18.67	1.8 (0.08)	0.00	1.00	1.00	1.00	2.00	4.00	5.00
NLD	184943	3.09	179228	6.36	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.30
NZL	48638	0.69	48300	23.50	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
NOR	52816	0.77	52407	25.45	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POL	534900	.	534900	1.40	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
PRT	96857	0.23	96637	19.85	0.5 (0.03)	0.00	0.00	0.00	0.00	1.00	2.00	3.00
SVK	77067	0.03	77043	6.89	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ESP	344372	0.07	344114	17.25	0.6 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
SWE	107104	0.25	106838	23.01	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHE	86491	0.14	86370	33.86	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
TUR	481279	0.03	481137	67.43	1.1 (0.06)	0.00	0.00	0.00	0.00	2.00	3.00	4.00
GBR	698579	3.61	673362	16.21	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
USA	3147089	0.76	3123066	16.06	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
TOT	.	9.05	.	17.76	0.3 (0.00)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
AVG	.	4.12	.	19.16	0.2 (0.00)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
HKG	72484	0.23	72319	9.33	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	6.98	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
LIE	338	.	338	27.64	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAC	6546	.	6546	13.27	0.3 (0.04)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
RUS	2153373	0.02	2152991	29.58	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
YUG	68596	0.51	68244	24.61	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
THA	637076	.	637076	0.10	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TUN	150875	100.00	.	.	. (.)	.	.	.	.	.	.	.
URY	33775	0.19	33710	43.72	0.5 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
Attending <out-of-school> Mathematics classes
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.37	234716	15.70	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUT	85931	1.08	85003	11.67	0.0 (0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BEL	111831	1.79	109825	13.33	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAN	330436	9.70	298375	13.39	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CZE	121183	4.09	116221	14.52	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DNK	51741	0.65	51406	17.13	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.52	0.0 (0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FRA	734579	0.87	728167	16.69	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEU	884358	5.57	835070	22.76	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRC	105131	0.15	104976	20.41	1.7 (0.09)	0.00	0.00	0.00	0.00	4.00	5.00	6.00
HUN	107044	0.06	106984	21.64	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
ISL	3928	0.63	3903	13.02	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
IRL	54850	1.03	54285	35.60	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ITA	481521	0.20	480544	13.23	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JPN	1240054	0.10	1238855	10.42	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
KOR	533504	0.02	533393	19.51	1.4 (0.06)	0.00	0.00	0.00	0.00	3.00	5.00	5.00
LUX	4080	0.10	4076	38.78	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
MEX	1071650	88.49	123353	18.83	1.9 (0.11)	0.00	0.00	1.00	1.00	2.00	4.00	5.00
NLD	184943	100.00	.	.	. (.)	.	.	.	.	.	.	.
NZL	48638	0.69	48300	24.69	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.50
NOR	52816	0.77	52407	26.18	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POL	534900	.	534900	1.30	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
PRT	96857	0.23	96637	22.72	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
SVK	77067	0.03	77043	12.47	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ESP	344372	0.07	344114	17.09	0.6 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
SWE	107104	0.25	106838	20.72	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHE	86491	0.14	86370	33.95	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TUR	481279	0.03	481137	61.92	1.8 (0.08)	0.00	0.00	0.00	1.00	3.00	4.00	6.00
GBR	698579	3.61	673362	16.55	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
USA	3147089	0.76	3123066	14.55	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOT	.	10.64	.	17.28	0.3 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
AVG	.	7.39	.	19.79	0.3 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
HKG	72484	0.23	72319	9.33	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	7.20	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
LIE	338	.	338	23.78	0.0 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAC	6546	.	6546	12.35	0.2 (0.03)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
RUS	2153373	0.03	2152704	30.27	0.4 (0.03)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
YUG	68596	0.51	68244	23.32	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THA	637076	.	637076	0.12	0.6 (0.04)	0.00	0.00	0.00	0.00	0.00	2.00	4.00
TUN	150875	0.09	150739	32.24	0.9 (0.04)	0.00	0.00	0.00	0.00	2.00	2.00	4.00
URY	33775	0.19	33710	46.04	0.3 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	2.00

Student Questionnaire – Question 33

Q33 On average, how much time do you spend each week on the following?
When answering include time at the weekend too.
Other Mathematics activities (e.g. <Mathematics competitions, Mathematics Club>)
hours per week

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.35	234767	14.79	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
AUT	85931	1.08	85003	10.72	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
BEL	111831	1.79	109825	12.67	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAN	330436	9.70	298375	12.37	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
CZE	121183	4.09	116221	7.75	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
DNK	51741	0.65	51406	15.68	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FIN	57884	0.07	57845	3.46	0.0 (0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FRA	734579	0.87	728167	17.83	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEU	884358	5.57	835070	21.68	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
GRC	105131	0.19	104930	24.16	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	2.00	3.00
HUN	107044	0.06	106984	20.89	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.50	1.00
ISL	3928	0.63	3903	13.33	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IRL	54850	1.03	54285	35.46	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
ITA	481521	0.20	480544	13.37	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
JPN	1240054	0.10	1238855	10.70	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOR	533504	0.02	533393	17.78	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
LUX	4080	0.10	4076	37.10	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.50	1.00
MEX	1071650	88.80	119980	9.42	2.1 (0.11)	0.00	1.00	1.00	1.00	3.00	5.00	6.00
NLD	184943	3.09	179228	3.94	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NZL	48638	0.69	48300	24.15	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
NOR	52816	0.82	52384	25.05	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
POL	534900	.	534900	1.46	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
PRT	96857	0.23	96637	21.33	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
SVK	77067	0.03	77043	5.00	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	1.00	1.00
ESP	344372	0.07	344114	16.96	0.4 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
SWE	107104	0.25	106838	19.81	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHE	86491	0.14	86370	33.27	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
TUR	481279	0.03	481137	67.31	1.2 (0.06)	0.00	0.00	0.00	0.00	2.00	4.00	5.00
GBR	698579	3.61	673362	14.87	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
USA	3147089	0.76	3123066	12.27	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
TOT	.	9.18	.	16.20	0.2 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
AVG	.	4.17	.	18.47	0.2 (0.00)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
HKG	72484	0.23	72319	30.87	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.25	33559	2.60	0.3 (0.02)	0.00	0.00	0.00	0.00	0.00	1.00	2.00
LIE	338	.	338	23.78	0.1 (0.03)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAC	6546	.	6546	34.74	0.1 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
RUS	2153373	0.02	2152991	31.12	0.4 (0.03)	0.00	0.00	0.00	0.00	0.00	1.00	3.00
YUG	68596	0.54	68225	20.19	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
THA	637076	.	637076	0.08	0.1 (0.01)	0.00	0.00	0.00	0.00	0.00	0.00	1.00
TUN	150875	0.11	150704	29.00	0.7 (0.04)	0.00	0.00	0.00	0.00	1.00	3.00	4.00
URY	33775	0.19	33710	45.61	0.2 (0.02)	0.00	0.00	0.00	0.00	0.00	0.00	1.00

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for a Mathematics test, I try to work out what are the most important parts to learn.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	20.63	(0.55)	67.31	(0.76)	9.52	(0.36)	1.60	(0.20)	0.93	(0.11)
AUT	85931	1.08	85003	42.40	(0.84)	42.84	(0.84)	10.04	(0.58)	3.46	(0.37)	1.26	(0.59)
BEL	111831	1.79	109825	19.78	(0.51)	62.45	(0.76)	12.13	(0.43)	2.61	(0.23)	3.04	(0.50)
CAN	330436	9.70	298375	21.98	(0.48)	64.17	(0.57)	9.98	(0.35)	2.73	(0.16)	1.13	(0.13)
CZE	121183	4.09	116221	15.76	(0.51)	67.49	(0.76)	13.89	(0.57)	1.89	(0.26)	0.97	(0.33)
DNK	51741	0.65	51406	17.23	(0.61)	64.90	(0.75)	14.25	(0.59)	1.72	(0.21)	1.91	(0.25)
FIN	57884	0.07	57845	17.73	(0.59)	70.15	(0.70)	9.77	(0.44)	2.07	(0.21)	0.28	(.)
FRA	734579	0.87	728167	33.56	(0.78)	56.13	(0.88)	6.50	(0.44)	2.50	(0.23)	1.31	(0.21)
DEU	884358	5.57	835070	41.97	(0.78)	46.34	(0.72)	6.89	(0.41)	3.10	(0.24)	1.70	(0.29)
GRC	105131	0.13	104991	32.72	(0.94)	55.13	(0.79)	8.88	(0.62)	1.92	(0.20)	1.34	(0.24)
HUN	107044	0.06	106984	24.60	(0.64)	64.87	(0.79)	8.39	(0.44)	1.50	(0.18)	0.64	(0.12)
ISL	3928	0.63	3903	32.14	(0.81)	56.19	(0.84)	8.45	(0.39)	2.57	(0.22)	0.65	(.)
IRL	54850	1.03	54285	21.27	(0.68)	67.23	(0.80)	8.51	(0.49)	1.79	(0.17)	1.20	(0.22)
ITA	481521	0.22	480483	26.12	(0.71)	63.13	(0.74)	7.92	(0.33)	2.21	(0.23)	0.62	(0.11)
JPN	1240054	0.10	1238855	23.56	(0.65)	56.56	(0.95)	15.04	(0.63)	4.21	(0.36)	0.63	(.)
KOR	533504	.	533504	16.91	(0.48)	57.49	(0.65)	21.32	(0.61)	4.04	(0.30)	0.23	(.)
LUX	4080	0.08	4077	29.13	(0.68)	51.89	(0.76)	12.35	(0.51)	4.29	(0.34)	2.34	(0.21)
MEX	1071650	0.37	1067674	38.81	(0.86)	51.80	(0.67)	3.55	(0.33)	1.13	(0.19)	4.72	(0.53)
NLD	184943	3.34	178773	17.77	(0.66)	67.37	(0.95)	10.97	(0.59)	2.38	(0.31)	1.51	(0.32)
NZL	48638	1.25	48028	19.06	(0.61)	68.67	(0.79)	10.16	(0.53)	1.78	(0.21)	0.33	(.)
NOR	52816	0.77	52407	24.40	(0.73)	60.31	(0.65)	9.37	(0.54)	3.43	(0.30)	2.49	(0.45)
POL	534900	.	534900	16.84	(0.60)	73.30	(0.67)	7.39	(0.43)	1.74	(0.19)	0.73	(0.19)
PRT	96857	0.23	96637	22.70	(0.76)	66.84	(0.88)	6.82	(0.39)	2.58	(0.28)	1.07	(0.25)
SVK	77067	0.17	76935	22.04	(0.55)	67.64	(0.78)	7.57	(0.47)	1.60	(0.25)	1.15	(0.49)
ESP	344372	0.07	344114	19.93	(0.65)	63.11	(0.82)	11.70	(0.54)	3.96	(0.28)	1.29	(0.16)
SWE	107104	0.25	106838	17.63	(0.58)	60.05	(0.67)	16.92	(0.59)	4.22	(0.33)	1.17	(0.20)
CHE	86491	0.14	86370	38.92	(0.96)	49.12	(0.89)	7.79	(0.39)	2.98	(0.21)	1.20	(0.15)
TUR	481279	0.03	481137	34.53	(1.21)	48.29	(0.79)	7.63	(0.43)	3.85	(0.33)	5.71	(0.83)
GBR	698579	3.61	673362	17.72	(0.60)	69.92	(0.73)	9.37	(0.47)	1.46	(0.17)	1.54	(0.23)
USA	3147089	0.76	3123066	21.15	(0.62)	63.61	(0.76)	10.62	(0.44)	3.11	(0.23)	1.51	(0.28)
TOT	.	1.34	.	25.60	(0.22)	59.94	(0.24)	9.95	(0.14)	2.80	(0.08)	1.70	(0.09)
AVG	.	1.25	.	24.97	(0.14)	60.80	(0.14)	10.13	(0.08)	2.62	(0.05)	1.49	(0.06)
HKG	72484	0.21	72334	16.61	(0.71)	70.02	(0.89)	10.78	(0.55)	2.33	(0.28)	0.25	(.)
IDN	1971476	0.01	1971367	25.48	(0.90)	66.87	(0.97)	4.66	(0.37)	0.44	(0.09)	2.55	(0.30)
LVA	33643	0.22	33570	12.25	(0.66)	70.98	(0.71)	14.47	(0.77)	1.59	(0.20)	0.71	(0.14)
LIE	338	.	338	41.54	(2.43)	42.73	(2.57)	11.51	(1.73)	3.60	(.)	0.62	(.)
MAC	6546	.	6546	24.05	(1.49)	63.20	(1.58)	10.98	(1.04)	1.65	(.)	0.12	(.)
RUS	2153373	0.02	2152991	21.48	(0.64)	64.06	(0.75)	11.57	(0.60)	1.60	(0.22)	1.29	(0.16)
YUG	68596	0.54	68226	36.62	(0.91)	48.88	(0.89)	7.63	(0.42)	2.17	(0.28)	4.71	(0.78)
THA	637076	.	637076	19.84	(0.69)	73.23	(0.76)	5.43	(0.35)	0.31	(.)	1.19	(0.20)
TUN	150875	0.13	150672	51.30	(0.77)	37.12	(0.76)	5.80	(0.36)	2.88	(0.27)	2.91	(0.27)
URY	33775	0.15	33724	30.58	(0.71)	57.46	(0.66)	6.57	(0.38)	1.78	(0.19)	3.61	(0.39)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for a Mathematics test, I try to work out what are the most important parts to learn.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	535 (3.43)	529 (1.92)	508 (4.38)	468 (9.19)	394 (12.93)
AUT	85931	1.08	85003	483 (3.83)	499 (3.44)	523 (7.23)	486 (12.21)	446 (37.10)
BEL	111831	1.79	109825	504 (4.19)	521 (2.54)	519 (4.80)	465 (10.63)	328 (21.56)
CAN	330436	9.70	298375	539 (2.76)	533 (1.66)	520 (3.51)	496 (6.99)	488 (11.70)
CZE	121183	4.09	116221	485 (4.22)	496 (2.79)	513 (4.14)	479 (13.97)	429 (29.15)
DNK	51741	0.65	51406	493 (4.60)	495 (2.71)	497 (5.07)	487 (14.70)	392 (18.68)
FIN	57884	0.07	57845	546 (2.69)	544 (1.87)	544 (3.97)	499 (10.63)	. (.)
FRA	734579	0.87	728167	503 (3.16)	501 (2.93)	484 (7.05)	441 (11.61)	354 (16.83)
DEU	884358	5.57	835070	498 (4.20)	509 (3.63)	513 (7.77)	482 (12.27)	350 (14.43)
GRC	105131	0.13	104991	474 (4.14)	475 (4.31)	481 (6.33)	440 (11.24)	299 (19.88)
HUN	107044	0.06	106984	483 (3.46)	482 (2.58)	492 (5.84)	486 (14.13)	332 (24.13)
ISL	3928	0.63	3903	498 (3.82)	493 (2.00)	486 (6.02)	463 (11.06)	. (.)
IRL	54850	1.03	54285	510 (3.81)	519 (2.73)	521 (5.07)	498 (12.58)	392 (21.30)
ITA	481521	0.22	480483	475 (4.64)	478 (2.96)	481 (6.14)	439 (11.52)	330 (19.28)
JPN	1240054	0.10	1238855	499 (4.59)	508 (3.96)	490 (6.10)	413 (11.50)	. (.)
KOR	533504	.	533504	557 (4.13)	540 (2.87)	515 (4.00)	468 (7.46)	. (.)
LUX	4080	0.08	4077	468 (3.50)	490 (1.98)	493 (4.05)	452 (8.90)	361 (11.83)
MEX	1071650	0.37	1067674	413 (4.31)	401 (4.10)	373 (8.62)	387 (14.42)	307 (8.28)
NLD	184943	3.34	178773	511 (4.80)	523 (2.70)	508 (5.24)	481 (9.54)	486 (11.65)
NZL	48638	1.25	48028	523 (5.20)	526 (2.26)	516 (5.51)	486 (15.44)	. (.)
NOR	52816	0.77	52407	507 (4.62)	506 (2.97)	499 (6.52)	432 (10.23)	405 (17.46)
POL	534900	.	534900	497 (4.52)	499 (2.84)	489 (7.39)	492 (14.51)	360 (31.27)
PRT	96857	0.23	96637	486 (4.86)	478 (3.82)	467 (7.43)	440 (10.01)	442 (20.87)
SVK	77067	0.17	76935	467 (3.85)	470 (3.22)	484 (8.25)	444 (13.91)	393 (27.98)
ESP	344372	0.07	344114	488 (4.19)	487 (2.61)	469 (5.22)	411 (7.94)	361 (17.77)
SWE	107104	0.25	106838	523 (4.65)	516 (2.77)	515 (4.18)	488 (8.38)	436 (16.60)
CHE	86491	0.14	86370	496 (3.77)	503 (3.17)	505 (7.39)	493 (8.91)	404 (19.70)
TUR	481279	0.03	481137	466 (7.09)	442 (5.44)	416 (7.39)	378 (9.03)	357 (6.42)
GBR	698579	3.61	673362	504 (4.21)	510 (2.81)	509 (5.42)	450 (9.65)	395 (11.73)
USA	3147089	0.76	3123066	497 (4.62)	501 (3.00)	484 (6.53)	478 (10.76)	364 (16.07)
TOT	.	1.34	.	487 (1.58)	495 (1.08)	489 (2.32)	452 (4.60)	352 (5.59)
AVG	.	1.25	.	493 (0.93)	500 (0.60)	499 (1.06)	458 (2.06)	373 (4.45)
HKG	72484	0.21	72334	518 (4.29)	514 (3.47)	487 (7.46)	445 (13.93)	. (.)
IDN	1971476	0.01	1971367	387 (4.25)	384 (3.24)	371 (7.08)	321 (21.73)	302 (7.67)
LVA	33643	0.22	33570	499 (5.59)	489 (3.68)	493 (5.35)	497 (16.79)	403 (16.72)
LIE	338	.	338	517 (7.01)	533 (7.71)	529 (13.90)	. (.)	. (.)
MAC	6546	.	6546	494 (5.63)	498 (2.84)	502 (6.98)	. (.)	. (.)
RUS	2153373	0.02	2152991	449 (4.60)	441 (4.02)	446 (6.77)	464 (14.51)	323 (12.67)
YUG	68596	0.54	68226	411 (3.71)	418 (3.83)	422 (6.22)	409 (10.02)	346 (15.21)
THA	637076	.	637076	435 (4.04)	417 (2.84)	410 (6.44)	. (.)	377 (15.24)
TUN	150875	0.13	150672	380 (3.63)	376 (3.09)	368 (7.50)	386 (9.42)	270 (11.97)
URY	33775	0.15	33724	427 (4.42)	443 (3.82)	449 (9.06)	388 (18.75)	346 (8.71)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for a Mathematics test, I try to work out what are the most important parts to learn.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	534 (3.32)	527 (2.06)	507 (4.42)	473 (8.90)	416 (11.70)
AUT	85931	1.08	85003	495 (3.44)	513 (2.94)	539 (6.34)	517 (10.67)	452 (21.49)
BEL	111831	1.79	109825	523 (3.61)	543 (2.49)	545 (4.59)	495 (10.02)	368 (19.72)
CAN	330436	9.70	298375	547 (2.66)	535 (1.69)	526 (3.57)	514 (6.33)	499 (11.82)
CZE	121183	4.09	116221	510 (4.93)	522 (3.22)	541 (4.47)	525 (12.50)	463 (26.15)
DNK	51741	0.65	51406	516 (4.42)	515 (2.64)	522 (4.89)	521 (16.31)	432 (16.74)
FIN	57884	0.07	57845	548 (3.48)	544 (1.85)	547 (4.19)	522 (11.86)	. (.)
FRA	734579	0.87	728167	515 (3.23)	516 (2.61)	503 (6.61)	460 (9.77)	412 (16.99)
DEU	884358	5.57	835070	504 (4.02)	520 (3.74)	529 (7.50)	506 (12.94)	392 (11.53)
GRC	105131	0.13	104991	440 (4.13)	447 (4.22)	465 (6.03)	443 (11.54)	339 (17.43)
HUN	107044	0.06	106984	488 (4.15)	489 (3.04)	508 (6.12)	511 (16.58)	371 (20.97)
ISL	3928	0.63	3903	520 (2.82)	515 (1.86)	511 (5.40)	487 (10.66)	. (.)
IRL	54850	1.03	54285	497 (3.97)	506 (2.42)	508 (5.25)	482 (12.92)	391 (14.45)
ITA	481521	0.22	480483	462 (4.73)	468 (3.05)	478 (5.33)	434 (9.75)	389 (13.01)
JPN	1240054	0.10	1238855	538 (4.85)	541 (4.01)	528 (6.43)	457 (10.78)	. (.)
KOR	533504	.	533504	576 (4.45)	547 (3.19)	516 (4.35)	471 (7.30)	. (.)
LUX	4080	0.08	4077	480 (3.09)	501 (1.72)	509 (3.86)	484 (7.77)	414 (9.51)
MEX	1071650	0.37	1067674	395 (3.91)	387 (3.77)	361 (7.00)	381 (12.50)	308 (8.62)
NLD	184943	3.34	178773	533 (4.96)	549 (2.86)	541 (5.33)	503 (10.15)	469 (9.74)
NZL	48638	1.25	48028	526 (4.88)	527 (2.31)	522 (4.68)	492 (15.74)	. (.)
NOR	52816	0.77	52407	501 (3.62)	499 (2.72)	495 (5.47)	447 (7.72)	415 (12.42)
POL	534900	.	534900	492 (3.98)	490 (2.45)	493 (6.46)	518 (15.11)	388 (24.32)
PRT	96857	0.23	96637	475 (4.87)	466 (3.39)	458 (7.06)	423 (10.21)	432 (17.09)
SVK	77067	0.17	76935	492 (3.99)	499 (3.50)	521 (6.99)	492 (12.91)	429 (30.55)
ESP	344372	0.07	344114	488 (3.45)	491 (2.62)	479 (4.66)	434 (7.03)	373 (12.57)
SWE	107104	0.25	106838	516 (4.66)	506 (2.56)	519 (4.05)	501 (7.96)	453 (17.72)
CHE	86491	0.14	86370	521 (3.61)	530 (3.39)	537 (7.42)	535 (8.82)	448 (19.95)
TUR	481279	0.03	481137	453 (8.44)	421 (6.65)	399 (6.97)	365 (7.84)	335 (7.44)
GBR	698579	3.61	673362	506 (4.35)	511 (2.75)	512 (4.93)	458 (10.69)	406 (12.53)
USA	3147089	0.76	3123066	482 (4.18)	487 (2.92)	477 (5.00)	487 (9.71)	387 (15.77)
TOT	.	1.34	.	487 (1.51)	495 (1.06)	496 (2.00)	468 (4.06)	369 (5.79)
AVG	.	1.25	.	497 (0.95)	505 (0.59)	509 (1.16)	476 (2.13)	392 (4.32)
HKG	72484	0.21	72334	564 (5.42)	554 (4.32)	524 (8.60)	473 (16.34)	. (.)
IDN	1971476	0.01	1971367	366 (4.63)	362 (3.91)	349 (7.25)	300 (17.59)	284 (6.26)
LVA	33643	0.22	33570	483 (5.28)	482 (3.59)	492 (6.06)	508 (18.34)	404 (14.79)
LIE	338	.	338	528 (8.13)	540 (9.37)	542 (17.66)	. (.)	. (.)
MAC	6546	.	6546	522 (7.00)	525 (3.76)	547 (8.98)	. (.)	. (.)
RUS	2153373	0.02	2152991	476 (4.58)	466 (4.40)	473 (6.56)	503 (11.82)	374 (10.94)
YUG	68596	0.54	68226	431 (3.96)	444 (3.90)	460 (6.60)	443 (10.57)	371 (12.52)
THA	637076	.	637076	430 (4.22)	415 (3.04)	406 (6.60)	. (.)	394 (15.01)
TUN	150875	0.13	150672	366 (2.81)	356 (2.92)	346 (5.79)	349 (8.54)	293 (7.74)
URY	33775	0.15	33724	418 (4.80)	430 (3.61)	436 (6.57)	402 (12.09)	327 (8.35)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for a Mathematics test, I try to work out what are the most important parts to learn.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	536 (3.21)	527 (2.04)	509 (4.34)	471 (9.78)	414 (13.22)
AUT	85931	1.08	85003	481 (3.61)	498 (3.31)	524 (6.41)	498 (11.12)	444 (28.00)
BEL	111831	1.79	109825	509 (3.65)	521 (2.50)	521 (4.79)	466 (11.30)	339 (16.79)
CAN	330436	9.70	298375	529 (3.06)	523 (1.94)	515 (4.45)	502 (8.10)	478 (12.97)
CZE	121183	4.09	116221	515 (5.17)	528 (3.18)	549 (4.84)	527 (13.02)	472 (28.83)
DNK	51741	0.65	51406	477 (5.41)	476 (2.93)	484 (5.31)	490 (17.98)	367 (17.64)
FIN	57884	0.07	57845	553 (3.42)	548 (2.03)	550 (4.63)	520 (11.65)	. (.)
FRA	734579	0.87	728167	517 (3.95)	516 (3.23)	502 (7.73)	450 (14.18)	387 (20.56)
DEU	884358	5.57	835070	506 (4.33)	519 (3.84)	528 (7.78)	504 (13.38)	375 (12.27)
GRC	105131	0.13	104991	479 (4.03)	482 (4.10)	497 (6.27)	474 (11.78)	395 (18.18)
HUN	107044	0.06	106984	505 (4.27)	502 (2.84)	518 (6.36)	532 (16.22)	361 (22.37)
ISL	3928	0.63	3903	501 (3.26)	495 (2.17)	490 (6.26)	480 (11.18)	. (.)
IRL	54850	1.03	54285	499 (4.25)	509 (2.72)	508 (6.57)	491 (13.17)	402 (16.90)
ITA	481521	0.22	480483	484 (4.94)	489 (3.15)	494 (6.98)	458 (11.71)	348 (21.51)
JPN	1240054	0.10	1238855	551 (5.32)	556 (4.14)	539 (6.88)	465 (11.51)	. (.)
KOR	533504	.	533504	570 (5.25)	545 (3.46)	510 (4.76)	469 (8.54)	. (.)
LUX	4080	0.08	4077	469 (3.42)	492 (2.40)	498 (4.53)	477 (8.81)	374 (13.99)
MEX	1071650	0.37	1067674	415 (3.75)	405 (3.72)	380 (6.99)	408 (15.72)	340 (9.69)
NLD	184943	3.34	178773	518 (5.53)	535 (3.14)	524 (5.76)	482 (11.53)	448 (13.32)
NZL	48638	1.25	48028	523 (5.43)	524 (2.40)	521 (5.16)	485 (15.77)	. (.)
NOR	52816	0.77	52407	491 (4.14)	489 (3.28)	486 (5.97)	430 (10.22)	386 (13.17)
POL	534900	.	534900	502 (4.15)	498 (2.96)	494 (7.35)	515 (15.55)	413 (22.39)
PRT	96857	0.23	96637	476 (4.73)	468 (3.54)	461 (7.30)	435 (11.27)	419 (19.18)
SVK	77067	0.17	76935	493 (4.53)	496 (3.57)	506 (14.48)	479 (18.38)	405 (25.87)
ESP	344372	0.07	344114	494 (4.15)	494 (2.73)	476 (4.96)	428 (8.41)	343 (18.73)
SWE	107104	0.25	106838	515 (4.98)	505 (3.01)	511 (4.53)	493 (8.93)	440 (20.25)
CHE	86491	0.14	86370	509 (4.39)	517 (3.62)	518 (8.40)	515 (11.45)	456 (18.39)
TUR	481279	0.03	481137	459 (7.42)	432 (5.82)	410 (6.66)	382 (7.53)	370 (6.51)
GBR	698579	3.61	673362	516 (4.51)	522 (2.93)	522 (5.15)	465 (11.47)	389 (12.86)
USA	3147089	0.76	3123066	491 (4.62)	495 (3.05)	487 (5.53)	494 (11.25)	373 (20.03)
TOT	.	1.34	.	495 (1.57)	501 (1.07)	501 (2.00)	472 (4.54)	374 (5.74)
AVG	.	1.25	.	498 (0.95)	505 (0.55)	506 (1.14)	473 (2.17)	388 (3.91)
HKG	72484	0.21	72334	551 (4.94)	543 (4.20)	516 (7.75)	474 (14.14)	. (.)
IDN	1971476	0.01	1971367	404 (3.94)	395 (3.15)	383 (6.55)	343 (19.92)	346 (6.79)
LVA	33643	0.22	33570	494 (6.21)	487 (3.68)	496 (6.46)	509 (18.87)	413 (17.78)
LIE	338	.	338	513 (7.95)	531 (8.75)	540 (18.12)	. (.)	. (.)
MAC	6546	.	6546	527 (6.88)	523 (3.99)	527 (8.61)	. (.)	. (.)
RUS	2153373	0.02	2152991	497 (4.69)	487 (4.38)	494 (8.09)	519 (15.77)	378 (13.14)
YUG	68596	0.54	68226	435 (3.70)	439 (3.62)	449 (6.62)	447 (11.31)	398 (15.19)
THA	637076	.	637076	442 (3.89)	426 (2.83)	423 (7.12)	. (.)	422 (12.70)
TUN	150875	0.13	150672	393 (2.91)	381 (2.79)	376 (6.10)	384 (9.49)	300 (9.59)
URY	33775	0.15	33724	437 (4.74)	445 (3.15)	452 (6.61)	405 (14.76)	348 (9.68)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for a Mathematics test, I try to work out what are the most important parts to learn.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.28)	533 (1.88)	514 (4.11)	480 (10.15)	424 (10.54)
AUT	85931	1.08	85003	495 (3.42)	514 (2.80)	537 (6.23)	519 (10.52)	444 (23.38)
BEL	111831	1.79	109825	517 (3.60)	538 (2.43)	540 (4.63)	489 (10.82)	389 (12.60)
CAN	330436	9.70	298375	543 (2.84)	533 (1.66)	524 (3.55)	506 (6.44)	498 (11.11)
CZE	121183	4.09	116221	510 (4.83)	523 (3.07)	540 (4.65)	520 (12.67)	463 (31.79)
DNK	51741	0.65	51406	516 (4.37)	518 (2.60)	525 (4.99)	528 (15.18)	422 (17.28)
FIN	57884	0.07	57845	552 (3.32)	547 (1.83)	552 (3.85)	524 (11.71)	. (.)
FRA	734579	0.87	728167	521 (3.53)	525 (2.65)	514 (7.05)	464 (11.37)	421 (19.40)
DEU	884358	5.57	835070	512 (3.79)	528 (3.54)	536 (8.11)	518 (11.44)	398 (13.19)
GRC	105131	0.13	104991	443 (4.60)	452 (4.17)	472 (6.36)	441 (11.96)	319 (15.45)
HUN	107044	0.06	106984	496 (4.24)	501 (2.95)	520 (6.50)	534 (17.22)	404 (19.04)
ISL	3928	0.63	3903	512 (2.99)	504 (1.82)	502 (4.88)	480 (10.40)	. (.)
IRL	54850	1.03	54285	492 (3.59)	502 (2.34)	503 (5.45)	481 (11.82)	388 (15.77)
ITA	481521	0.22	480483	467 (4.69)	472 (3.16)	482 (6.05)	437 (11.53)	331 (17.88)
JPN	1240054	0.10	1238855	550 (5.11)	555 (3.99)	542 (6.63)	468 (11.83)	. (.)
KOR	533504	.	533504	577 (4.27)	555 (2.88)	530 (4.39)	485 (7.56)	. (.)
LUX	4080	0.08	4077	482 (3.25)	502 (1.97)	508 (3.76)	478 (7.56)	413 (10.17)
MEX	1071650	0.37	1067674	395 (4.52)	386 (4.52)	357 (9.74)	377 (13.73)	298 (8.75)
NLD	184943	3.34	178773	512 (5.08)	530 (2.91)	520 (5.37)	481 (11.50)	444 (11.55)
NZL	48638	1.25	48028	534 (4.26)	536 (2.18)	530 (4.83)	506 (15.41)	. (.)
NOR	52816	0.77	52407	496 (4.41)	495 (2.87)	490 (6.15)	432 (8.08)	415 (15.08)
POL	534900	.	534900	488 (4.15)	487 (2.64)	486 (6.93)	508 (14.10)	352 (34.98)
PRT	96857	0.23	96637	477 (5.44)	471 (3.89)	458 (7.23)	415 (10.29)	443 (21.64)
SVK	77067	0.17	76935	484 (4.15)	493 (3.65)	516 (6.04)	481 (15.27)	434 (33.27)
ESP	344372	0.07	344114	484 (3.89)	489 (2.87)	475 (4.82)	425 (7.71)	362 (14.23)
SWE	107104	0.25	106838	512 (4.24)	508 (2.54)	516 (3.79)	494 (7.25)	459 (15.29)
CHE	86491	0.14	86370	518 (3.21)	525 (3.12)	528 (6.84)	527 (8.90)	420 (19.20)
TUR	481279	0.03	481137	435 (7.29)	407 (5.86)	386 (7.31)	351 (8.51)	317 (7.48)
GBR	698579	3.61	673362	506 (4.25)	513 (2.70)	513 (5.25)	457 (10.34)	423 (14.15)
USA	3147089	0.76	3123066	478 (4.29)	481 (3.11)	470 (5.64)	478 (9.76)	370 (16.71)
TOT	.	1.34	.	487 (1.51)	495 (1.14)	497 (2.13)	467 (4.11)	360 (6.66)
AVG	.	1.25	.	496 (0.95)	505 (0.61)	509 (1.10)	474 (2.08)	387 (4.43)
HKG	72484	0.21	72334	561 (4.85)	551 (4.02)	523 (8.41)	481 (15.32)	. (.)
IDN	1971476	0.01	1971367	365 (4.06)	363 (3.34)	353 (8.30)	315 (19.87)	297 (6.80)
LVA	33643	0.22	33570	485 (5.59)	481 (3.97)	491 (6.86)	506 (20.21)	390 (16.51)
LIE	338	.	338	520 (7.59)	533 (8.47)	542 (15.72)	. (.)	. (.)
MAC	6546	.	6546	525 (6.88)	533 (3.31)	545 (8.83)	. (.)	. (.)
RUS	2153373	0.02	2152991	485 (5.01)	477 (4.72)	484 (7.33)	509 (12.93)	365 (13.49)
YUG	68596	0.54	68226	413 (3.51)	429 (3.69)	445 (6.14)	424 (10.71)	352 (12.61)
THA	637076	.	637076	441 (4.27)	422 (2.72)	413 (6.37)	. (.)	398 (15.00)
TUN	150875	0.13	150672	350 (2.64)	345 (2.50)	333 (5.71)	346 (9.62)	277 (9.16)
URY	33775	0.15	33724	402 (5.06)	420 (4.00)	428 (8.15)	383 (17.02)	319 (9.13)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving Mathematics problems, I often think of new ways to get the answer.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.37	234726	7.85 (0.25)	44.81 (0.52)	42.73 (0.57)	3.46 (0.17)	1.15 (0.13)
AUT	85931	1.08	85003	11.50 (0.62)	29.14 (0.85)	40.08 (1.01)	17.95 (0.69)	1.33 (0.59)
BEL	111831	1.79	109825	7.69 (0.31)	34.81 (0.69)	45.53 (0.68)	8.63 (0.35)	3.34 (0.50)
CAN	330436	9.70	298375	10.32 (0.31)	41.67 (0.55)	40.68 (0.58)	5.70 (0.24)	1.64 (0.13)
CZE	121183	4.09	116221	4.91 (0.35)	27.93 (0.70)	55.88 (0.79)	10.25 (0.39)	1.02 (0.33)
DNK	51741	0.65	51406	6.70 (0.40)	38.91 (0.83)	47.60 (0.75)	4.68 (0.46)	2.10 (0.25)
FIN	57884	0.07	57845	6.03 (0.38)	37.07 (0.69)	49.57 (0.69)	6.97 (0.35)	0.35 (.)
FRA	734579	0.87	728167	8.65 (0.41)	35.17 (0.78)	44.06 (0.82)	10.56 (0.46)	1.55 (0.23)
DEU	884358	5.57	835070	9.94 (0.54)	25.35 (0.59)	46.85 (0.90)	16.04 (0.55)	1.82 (0.31)
GRC	105131	0.13	104991	10.78 (0.54)	38.39 (0.86)	43.13 (0.92)	6.12 (0.36)	1.58 (0.27)
HUN	107044	0.06	106984	5.31 (0.37)	28.24 (0.71)	57.78 (0.81)	7.90 (0.34)	0.77 (0.13)
ISL	3928	0.63	3903	8.97 (0.47)	29.20 (0.77)	47.27 (0.84)	13.76 (0.61)	0.81 (.)
IRL	54850	1.03	54285	7.05 (0.46)	33.14 (0.90)	50.38 (0.92)	8.14 (0.40)	1.28 (0.21)
ITA	481521	0.22	480483	9.45 (0.56)	43.83 (0.61)	39.67 (0.72)	6.26 (0.43)	0.79 (0.12)
JPN	1240054	0.10	1238855	9.05 (0.49)	32.39 (0.76)	43.53 (0.81)	14.44 (0.67)	0.58 (.)
KOR	533504	.	533504	5.37 (0.30)	34.94 (0.83)	50.30 (0.82)	9.16 (0.49)	0.23 (.)
LUX	4080	0.08	4077	17.49 (0.65)	35.70 (0.71)	33.43 (0.79)	11.04 (0.58)	2.33 (0.23)
MEX	1071650	0.37	1067674	19.80 (0.71)	53.46 (0.81)	18.71 (0.66)	1.49 (0.15)	6.54 (0.62)
NLD	184943	3.34	178773	5.38 (0.44)	34.36 (0.99)	51.51 (1.10)	7.10 (0.41)	1.66 (0.35)
NZL	48638	1.32	47995	8.88 (0.49)	44.40 (0.88)	42.06 (0.91)	4.10 (0.31)	0.57 (.)
NOR	52816	0.77	52407	6.19 (0.39)	27.70 (0.79)	51.77 (0.86)	11.54 (0.56)	2.80 (0.44)
POL	534900	.	534900	8.71 (0.45)	42.42 (0.82)	42.55 (0.81)	5.44 (0.37)	0.88 (0.20)
PRT	96857	0.23	96637	10.14 (0.51)	53.57 (0.76)	30.62 (0.66)	4.46 (0.35)	1.21 (0.28)
SVK	77067	0.17	76935	9.90 (0.47)	54.27 (0.87)	31.58 (0.92)	3.08 (0.34)	1.17 (0.46)
ESP	344372	0.07	344114	8.65 (0.47)	45.30 (1.02)	38.07 (0.90)	6.59 (0.32)	1.39 (0.17)
SWE	107104	0.25	106838	5.95 (0.41)	41.50 (0.79)	45.52 (0.87)	5.43 (0.33)	1.59 (0.23)
CHE	86491	0.14	86370	10.93 (0.45)	32.06 (0.88)	44.57 (0.82)	11.03 (0.47)	1.41 (0.18)
TUR	481279	0.03	481137	16.74 (0.77)	46.10 (0.97)	25.71 (0.78)	4.27 (0.35)	7.18 (0.93)
GBR	698579	3.61	673362	7.44 (0.39)	43.59 (0.73)	42.79 (0.75)	4.36 (0.35)	1.83 (0.27)
USA	3147089	0.76	3123066	12.02 (0.51)	42.75 (0.83)	38.19 (0.86)	5.55 (0.32)	1.48 (0.27)
TOT	.	1.34	.	10.73 (0.17)	40.21 (0.29)	39.58 (0.28)	7.48 (0.13)	2.01 (0.10)
AVG	.	1.25	.	9.27 (0.08)	38.44 (0.17)	42.71 (0.17)	7.84 (0.08)	1.75 (0.06)
HKG	72484	0.21	72334	8.14 (0.44)	49.29 (0.75)	37.81 (0.84)	4.55 (0.29)	0.22 (.)
IDN	1971476	0.01	1971367	11.72 (0.57)	59.28 (0.84)	24.03 (0.77)	1.09 (0.13)	3.87 (0.45)
LVA	33643	0.22	33570	4.90 (0.45)	38.58 (0.92)	50.89 (1.02)	4.67 (0.35)	0.95 (0.17)
LIE	338	.	338	10.60 (1.76)	32.62 (2.75)	43.27 (2.55)	12.28 (1.76)	1.23 (.)
MAC	6546	.	6546	10.19 (0.96)	45.81 (1.99)	39.40 (1.74)	4.38 (0.70)	0.22 (.)
RUS	2153373	0.02	2152991	4.15 (0.30)	27.06 (0.67)	61.11 (0.80)	5.89 (0.33)	1.79 (0.23)
YUG	68596	0.57	68202	15.78 (0.59)	40.39 (0.97)	31.77 (0.93)	5.45 (0.39)	6.61 (0.82)
THA	637076	.	637076	6.59 (0.50)	56.56 (0.91)	33.73 (0.79)	1.67 (0.24)	1.44 (0.22)
TUN	150875	0.13	150672	25.56 (0.77)	45.39 (0.77)	20.59 (0.74)	4.82 (0.34)	3.64 (0.31)
URY	33775	0.15	33724	13.86 (0.52)	47.17 (0.91)	29.79 (0.94)	3.90 (0.28)	5.29 (0.41)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I am solving Mathematics problems, I often think of new ways to get the answer.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	519 (4.18)	521 (2.39)	535 (2.41)	523 (6.39)	398 (10.47)
AUT	85931	1.08	85003	468 (7.71)	478 (3.76)	506 (4.25)	511 (4.30)	445 (35.21)
BEL	111831	1.79	109825	479 (6.28)	499 (3.50)	534 (2.44)	527 (4.98)	337 (20.74)
CAN	330436	9.70	298375	537 (3.76)	525 (1.90)	540 (1.80)	519 (4.43)	482 (9.78)
CZE	121183	4.09	116221	482 (6.85)	497 (3.19)	498 (3.09)	500 (5.64)	415 (31.04)
DNK	51741	0.65	51406	472 (8.39)	487 (2.96)	504 (2.92)	496 (8.10)	388 (15.65)
FIN	57884	0.07	57845	549 (5.30)	539 (2.14)	548 (1.98)	533 (5.16)	. (.)
FRA	734579	0.87	728167	467 (7.06)	492 (3.88)	513 (2.92)	493 (5.06)	366 (18.51)
DEU	884358	5.57	835070	459 (5.93)	486 (4.30)	518 (3.39)	519 (5.13)	349 (13.00)
GRC	105131	0.13	104991	471 (6.26)	469 (5.22)	483 (3.90)	468 (7.66)	306 (20.27)
HUN	107044	0.06	106984	456 (8.31)	466 (4.17)	491 (2.83)	502 (5.18)	337 (20.81)
ISL	3928	0.63	3903	485 (6.04)	486 (3.52)	500 (2.07)	494 (4.28)	. (.)
IRL	54850	1.03	54285	502 (7.03)	506 (3.56)	526 (3.03)	514 (4.87)	386 (20.03)
ITA	481521	0.22	480483	453 (6.10)	467 (3.35)	492 (3.27)	491 (6.81)	350 (18.80)
JPN	1240054	0.10	1238855	488 (7.29)	505 (4.84)	507 (3.75)	473 (5.89)	. (.)
KOR	533504	.	533504	565 (6.19)	552 (3.31)	526 (3.31)	499 (5.10)	. (.)
LUX	4080	0.08	4077	457 (4.07)	472 (3.04)	501 (2.57)	496 (4.63)	371 (14.23)
MEX	1071650	0.37	1067674	405 (5.64)	402 (3.61)	420 (5.97)	414 (14.86)	302 (6.96)
NLD	184943	3.34	178773	489 (7.60)	500 (3.83)	532 (2.93)	523 (5.68)	488 (11.18)
NZL	48638	1.32	47995	507 (7.68)	511 (2.70)	540 (3.05)	526 (9.49)	. (.)
NOR	52816	0.77	52407	487 (8.74)	494 (3.71)	516 (3.10)	477 (5.35)	405 (15.89)
POL	534900	.	534900	494 (5.92)	493 (3.44)	504 (2.95)	500 (6.34)	343 (24.82)
PRT	96857	0.23	96637	479 (6.14)	477 (4.10)	482 (4.26)	461 (7.02)	433 (20.74)
SVK	77067	0.17	76935	471 (5.44)	466 (3.34)	481 (3.69)	448 (9.15)	359 (41.70)
ESP	344372	0.07	344114	475 (6.33)	484 (2.51)	489 (3.34)	448 (7.94)	350 (17.35)
SWE	107104	0.25	106838	502 (8.67)	515 (3.42)	523 (2.63)	485 (6.79)	428 (22.49)
CHE	86491	0.14	86370	471 (5.84)	483 (4.22)	517 (2.96)	513 (5.30)	431 (19.27)
TUR	481279	0.03	481137	449 (6.55)	452 (6.86)	446 (5.10)	406 (8.62)	356 (6.01)
GBR	698579	3.61	673362	497 (7.04)	497 (2.79)	522 (2.94)	504 (8.67)	399 (12.85)
USA	3147089	0.76	3123066	492 (5.81)	489 (3.89)	512 (3.17)	486 (7.43)	345 (13.80)
TOT	.	1.34	.	472 (2.36)	482 (1.43)	507 (1.18)	490 (2.23)	344 (4.65)
AVG	.	1.25	.	477 (1.26)	488 (0.75)	510 (0.62)	496 (1.15)	371 (4.03)
HKG	72484	0.21	72334	514 (5.88)	512 (3.29)	512 (4.93)	468 (8.64)	. (.)
IDN	1971476	0.01	1971367	368 (5.89)	387 (3.27)	387 (4.70)	368 (11.82)	302 (9.74)
LVA	33643	0.22	33570	501 (10.77)	483 (4.71)	497 (3.49)	495 (7.62)	400 (18.53)
LIE	338	.	338	495 (18.17)	510 (9.05)	541 (6.58)	539 (14.20)	. (.)
MAC	6546	.	6546	494 (7.74)	498 (3.25)	500 (3.91)	489 (15.48)	. (.)
RUS	2153373	0.02	2152991	435 (9.50)	434 (5.25)	448 (3.75)	457 (6.10)	325 (11.51)
YUG	68596	0.57	68202	412 (5.12)	413 (4.01)	426 (3.52)	414 (6.65)	341 (11.70)
THA	637076	.	637076	425 (6.70)	418 (3.06)	425 (3.26)	429 (11.04)	364 (13.40)
TUN	150875	0.13	150672	376 (4.67)	377 (3.14)	387 (4.21)	373 (7.49)	279 (9.55)
URY	33775	0.15	33724	424 (7.58)	431 (4.39)	460 (3.76)	441 (9.90)	335 (7.93)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving Mathematics problems, I often think of new ways to get the answer.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	528 (4.94)	525 (2.28)	528 (2.25)	505 (5.87)	416 (9.78)
AUT	85931	1.08	85003	499 (7.40)	504 (4.07)	513 (3.67)	508 (3.63)	453 (20.01)
BEL	111831	1.79	109825	512 (5.94)	527 (3.01)	553 (2.48)	533 (5.09)	375 (18.77)
CAN	330436	9.70	298375	560 (3.47)	534 (2.06)	537 (1.79)	510 (3.76)	492 (8.52)
CZE	121183	4.09	116221	526 (7.89)	530 (3.61)	521 (3.59)	514 (5.28)	453 (27.77)
DNK	51741	0.65	51406	515 (7.76)	516 (3.50)	519 (2.70)	499 (8.18)	424 (15.05)
FIN	57884	0.07	57845	576 (6.37)	551 (2.46)	541 (2.02)	509 (5.07)	. (.)
FRA	734579	0.87	728167	494 (6.15)	512 (3.60)	523 (2.75)	494 (4.60)	422 (16.34)
DEU	884358	5.57	835070	490 (6.53)	509 (4.42)	522 (3.34)	509 (5.02)	394 (11.07)
GRC	105131	0.13	104991	458 (6.79)	449 (4.72)	446 (3.76)	421 (5.99)	340 (14.24)
HUN	107044	0.06	106984	477 (8.43)	476 (4.34)	498 (2.90)	501 (5.45)	383 (18.67)
ISL	3928	0.63	3903	523 (5.74)	514 (3.09)	519 (2.27)	505 (3.82)	. (.)
IRL	54850	1.03	54285	503 (7.93)	500 (3.18)	510 (2.77)	487 (4.63)	384 (12.62)
ITA	481521	0.22	480483	461 (5.50)	459 (3.69)	475 (3.36)	468 (5.29)	384 (14.18)
JPN	1240054	0.10	1238855	534 (7.36)	544 (5.12)	541 (3.70)	499 (5.43)	. (.)
KOR	533504	.	533504	591 (7.21)	570 (3.66)	528 (3.31)	490 (4.69)	. (.)
LUX	4080	0.08	4077	483 (3.33)	490 (2.51)	508 (2.37)	491 (4.12)	422 (10.35)
MEX	1071650	0.37	1067674	396 (5.11)	388 (3.31)	396 (4.93)	383 (11.63)	302 (6.86)
NLD	184943	3.34	178773	516 (8.99)	530 (4.05)	558 (2.94)	536 (5.78)	474 (9.78)
NZL	48638	1.32	47995	522 (7.00)	518 (2.62)	536 (2.76)	516 (9.42)	. (.)
NOR	52816	0.77	52407	499 (7.25)	495 (3.51)	505 (2.78)	468 (4.08)	418 (10.97)
POL	534900	.	534900	505 (5.81)	491 (2.97)	491 (2.63)	473 (5.09)	376 (21.38)
PRT	96857	0.23	96637	484 (5.99)	469 (3.73)	463 (3.77)	426 (7.25)	421 (20.33)
SVK	77067	0.17	76935	503 (5.45)	497 (3.37)	506 (4.14)	468 (6.90)	401 (40.40)
ESP	344372	0.07	344114	487 (4.96)	491 (2.54)	489 (2.98)	448 (6.43)	376 (14.51)
SWE	107104	0.25	106838	514 (7.95)	514 (3.44)	511 (2.72)	470 (6.03)	449 (22.41)
CHE	86491	0.14	86370	514 (5.93)	518 (4.50)	538 (3.38)	524 (4.80)	456 (19.36)
TUR	481279	0.03	481137	439 (7.82)	434 (8.22)	426 (6.04)	382 (7.26)	332 (6.83)
GBR	698579	3.61	673362	513 (7.04)	501 (2.63)	519 (2.94)	496 (7.79)	410 (13.63)
USA	3147089	0.76	3123066	486 (5.55)	478 (3.48)	494 (2.76)	472 (7.10)	368 (12.60)
TOT	.	1.34	.	480 (2.35)	484 (1.33)	505 (1.05)	487 (2.26)	359 (4.44)
AVG	.	1.25	.	494 (1.34)	498 (0.75)	512 (0.62)	492 (1.10)	388 (3.54)
HKG	72484	0.21	72334	574 (7.26)	559 (4.30)	544 (5.54)	481 (9.91)	. (.)
IDN	1971476	0.01	1971367	347 (5.32)	367 (3.86)	363 (5.87)	335 (10.12)	282 (6.83)
LVA	33643	0.22	33570	503 (13.43)	483 (5.05)	485 (3.39)	472 (7.15)	411 (14.77)
LIE	338	.	338	533 (20.82)	520 (9.37)	547 (7.19)	541 (14.28)	. (.)
MAC	6546	.	6546	542 (10.11)	531 (4.66)	522 (4.80)	503 (17.63)	. (.)
RUS	2153373	0.02	2152991	473 (10.90)	467 (6.07)	470 (3.93)	478 (6.73)	383 (7.96)
YUG	68596	0.57	68202	438 (5.56)	441 (4.13)	450 (3.89)	424 (5.78)	364 (9.38)
THA	637076	.	637076	431 (6.89)	416 (3.37)	417 (3.42)	406 (12.39)	384 (14.38)
TUN	150875	0.13	150672	367 (3.76)	361 (2.96)	357 (3.68)	344 (5.41)	299 (6.67)
URY	33775	0.15	33724	421 (6.42)	421 (3.69)	443 (3.48)	421 (7.30)	320 (5.76)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving Mathematics problems, I often think of new ways to get the answer.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	528 (4.69)	524 (2.52)	530 (2.21)	512 (6.20)	411 (10.91)
AUT	85931	1.08	85003	476 (7.42)	484 (4.13)	501 (3.93)	502 (3.98)	445 (25.61)
BEL	111831	1.79	109825	489 (6.32)	503 (3.21)	532 (2.72)	519 (5.15)	345 (16.08)
CAN	330436	9.70	298375	539 (3.92)	519 (2.19)	527 (2.24)	503 (5.10)	471 (9.08)
CZE	121183	4.09	116221	529 (8.54)	534 (3.54)	528 (3.59)	525 (5.23)	463 (30.30)
DNK	51741	0.65	51406	469 (8.87)	478 (3.57)	481 (3.06)	466 (9.41)	355 (15.09)
FIN	57884	0.07	57845	572 (6.02)	550 (2.68)	547 (2.37)	524 (5.32)	. (.)
FRA	734579	0.87	728167	490 (7.55)	511 (4.59)	526 (3.43)	497 (5.68)	397 (23.26)
DEU	884358	5.57	835070	484 (6.93)	506 (4.78)	523 (3.72)	515 (5.65)	377 (12.18)
GRC	105131	0.13	104991	492 (7.06)	482 (4.55)	484 (3.98)	458 (7.59)	389 (16.89)
HUN	107044	0.06	106984	491 (9.05)	488 (4.02)	511 (2.77)	521 (5.78)	368 (19.39)
ISL	3928	0.63	3903	497 (6.32)	492 (3.34)	500 (2.48)	491 (4.32)	. (.)
IRL	54850	1.03	54285	500 (8.38)	499 (3.66)	513 (3.22)	500 (5.27)	393 (15.23)
ITA	481521	0.22	480483	476 (6.32)	478 (3.80)	499 (3.47)	499 (7.05)	368 (19.56)
JPN	1240054	0.10	1238855	543 (7.32)	557 (5.23)	554 (4.01)	516 (5.67)	. (.)
KOR	533504	.	533504	582 (8.03)	563 (3.88)	525 (3.92)	496 (5.56)	. (.)
LUX	4080	0.08	4077	469 (3.95)	480 (3.08)	498 (2.55)	489 (5.34)	380 (14.56)
MEX	1071650	0.37	1067674	415 (4.96)	406 (3.17)	417 (4.64)	406 (12.35)	332 (7.49)
NLD	184943	3.34	178773	493 (9.22)	512 (4.63)	545 (3.26)	530 (6.22)	455 (13.24)
NZL	48638	1.32	47995	516 (7.85)	512 (2.76)	536 (2.85)	524 (10.28)	. (.)
NOR	52816	0.77	52407	482 (8.75)	482 (4.18)	497 (3.23)	459 (5.24)	389 (11.67)
POL	534900	.	534900	509 (6.30)	497 (3.44)	499 (3.33)	491 (6.02)	406 (18.78)
PRT	96857	0.23	96637	475 (6.15)	469 (3.76)	470 (4.09)	445 (6.91)	408 (21.64)
SVK	77067	0.17	76935	502 (6.40)	493 (3.65)	503 (5.25)	473 (9.37)	377 (34.06)
ESP	344372	0.07	344114	489 (6.02)	493 (2.55)	492 (3.26)	448 (6.98)	343 (19.84)
SWE	107104	0.25	106838	502 (8.83)	509 (3.67)	511 (3.19)	470 (7.51)	434 (24.36)
CHE	86491	0.14	86370	499 (6.82)	502 (5.02)	526 (3.56)	513 (5.47)	466 (21.84)
TUR	481279	0.03	481137	442 (6.92)	443 (7.30)	438 (5.41)	405 (7.16)	367 (6.29)
GBR	698579	3.61	673362	517 (7.59)	510 (2.85)	533 (3.22)	510 (8.63)	397 (12.77)
USA	3147089	0.76	3123066	492 (6.15)	486 (3.63)	504 (2.87)	486 (6.47)	355 (17.45)
TOT	.	1.34	.	485 (2.40)	491 (1.36)	512 (1.06)	498 (2.25)	366 (4.52)
AVG	.	1.25	.	490 (1.32)	496 (0.70)	512 (0.62)	496 (1.15)	385 (3.46)
HKG	72484	0.21	72334	555 (7.14)	544 (4.21)	537 (5.36)	485 (8.50)	. (.)
IDN	1971476	0.01	1971367	389 (4.94)	399 (3.29)	397 (4.83)	376 (11.47)	341 (6.69)
LVA	33643	0.22	33570	502 (13.17)	486 (4.92)	493 (3.68)	485 (7.54)	414 (19.59)
LIE	338	.	338	517 (20.62)	509 (11.15)	537 (7.52)	535 (16.24)	. (.)
MAC	6546	.	6546	538 (10.81)	529 (4.97)	518 (5.22)	512 (17.15)	. (.)
RUS	2153373	0.02	2152991	490 (10.66)	490 (6.09)	492 (3.88)	496 (6.69)	381 (11.29)
YUG	68596	0.57	68202	436 (5.39)	437 (3.69)	446 (3.82)	437 (6.77)	390 (11.84)
THA	637076	.	637076	438 (6.97)	427 (2.98)	431 (3.03)	423 (11.94)	408 (13.82)
TUN	150875	0.13	150672	393 (3.91)	385 (2.93)	387 (4.80)	379 (6.10)	311 (8.17)
URY	33775	0.15	33724	434 (6.19)	437 (3.41)	460 (3.31)	438 (9.88)	347 (7.47)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving Mathematics problems, I often think of new ways to get the answer.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	531 (4.52)	529 (2.14)	535 (2.32)	515 (6.17)	423 (9.18)
AUT	85931	1.08	85003	494 (7.44)	503 (4.04)	514 (3.41)	515 (3.46)	449 (20.87)
BEL	111831	1.79	109825	505 (5.72)	520 (3.22)	548 (2.33)	529 (5.17)	395 (12.36)
CAN	330436	9.70	298375	553 (3.30)	531 (1.96)	537 (1.88)	508 (3.87)	487 (10.01)
CZE	121183	4.09	116221	521 (7.82)	530 (3.40)	522 (3.40)	513 (5.06)	450 (33.44)
DNK	51741	0.65	51406	515 (7.07)	516 (3.22)	524 (2.42)	507 (7.74)	417 (15.65)
FIN	57884	0.07	57845	573 (5.66)	551 (2.39)	546 (2.14)	525 (5.08)	. (.)
FRA	734579	0.87	728167	495 (6.39)	520 (3.79)	532 (2.85)	506 (4.79)	434 (17.68)
DEU	884358	5.57	835070	492 (6.52)	514 (4.17)	531 (3.45)	521 (4.81)	398 (11.66)
GRC	105131	0.13	104991	459 (7.91)	452 (4.90)	452 (3.57)	419 (6.32)	325 (13.01)
HUN	107044	0.06	106984	485 (8.95)	486 (4.61)	509 (2.84)	514 (5.00)	411 (17.75)
ISL	3928	0.63	3903	509 (5.49)	502 (2.83)	510 (2.23)	500 (4.10)	. (.)
IRL	54850	1.03	54285	495 (7.36)	495 (3.19)	505 (2.52)	488 (4.80)	380 (12.98)
ITA	481521	0.22	480483	460 (6.12)	463 (3.65)	481 (3.41)	474 (5.62)	340 (16.66)
JPN	1240054	0.10	1238855	544 (7.25)	556 (5.31)	554 (3.72)	514 (5.83)	. (.)
KOR	533504	.	533504	588 (7.22)	572 (3.43)	539 (3.20)	509 (4.80)	. (.)
LUX	4080	0.08	4077	481 (3.96)	490 (2.88)	509 (2.41)	494 (4.44)	418 (10.65)
MEX	1071650	0.37	1067674	394 (5.84)	386 (3.96)	401 (5.91)	389 (12.25)	294 (7.57)
NLD	184943	3.34	178773	493 (9.15)	510 (4.18)	539 (3.20)	516 (6.49)	451 (11.75)
NZL	48638	1.32	47995	527 (7.13)	526 (2.66)	546 (2.73)	529 (8.29)	. (.)
NOR	52816	0.77	52407	488 (8.65)	488 (3.81)	503 (3.10)	462 (4.44)	413 (13.93)
POL	534900	.	534900	496 (6.29)	485 (3.31)	489 (2.94)	482 (5.56)	350 (30.35)
PRT	96857	0.23	96637	481 (6.24)	473 (4.16)	469 (4.24)	427 (6.56)	429 (25.19)
SVK	77067	0.17	76935	492 (5.84)	490 (3.48)	501 (4.09)	461 (9.42)	406 (44.45)
ESP	344372	0.07	344114	481 (5.75)	487 (2.92)	488 (3.21)	447 (6.70)	364 (15.47)
SWE	107104	0.25	106838	504 (8.35)	511 (3.24)	513 (2.69)	476 (6.04)	449 (16.84)
CHE	86491	0.14	86370	507 (5.59)	511 (4.28)	534 (3.13)	524 (4.89)	434 (19.37)
TUR	481279	0.03	481137	419 (7.31)	419 (7.28)	411 (5.09)	369 (7.38)	313 (6.77)
GBR	698579	3.61	673362	509 (7.12)	503 (2.67)	521 (2.85)	494 (7.10)	425 (13.85)
USA	3147089	0.76	3123066	480 (5.70)	472 (3.56)	490 (3.08)	467 (7.54)	346 (13.63)
TOT	.	1.34	.	476 (2.41)	483 (1.41)	508 (1.17)	493 (2.27)	350 (5.23)
AVG	.	1.25	.	489 (1.28)	496 (0.77)	513 (0.64)	496 (1.11)	383 (3.68)
HKG	72484	0.21	72334	569 (6.79)	553 (3.96)	545 (5.39)	487 (8.62)	. (.)
IDN	1971476	0.01	1971367	350 (5.24)	366 (3.14)	366 (5.40)	344 (8.66)	295 (6.59)
LVA	33643	0.22	33570	496 (11.97)	478 (5.04)	487 (3.64)	481 (7.29)	391 (17.08)
LIE	338	.	338	520 (17.05)	517 (8.72)	540 (6.49)	536 (14.43)	. (.)
MAC	6546	.	6546	538 (8.91)	537 (3.57)	528 (4.51)	513 (18.26)	. (.)
RUS	2153373	0.02	2152991	477 (10.95)	473 (6.44)	483 (4.28)	490 (7.02)	370 (11.36)
YUG	68596	0.57	68202	417 (5.19)	424 (3.73)	436 (3.55)	413 (6.18)	341 (10.50)
THA	637076	.	637076	443 (6.57)	424 (3.02)	424 (3.15)	422 (12.90)	387 (16.17)
TUN	150875	0.13	150672	349 (3.52)	348 (2.65)	347 (3.43)	335 (5.78)	280 (7.31)
URY	33775	0.15	33724	403 (7.02)	409 (3.97)	435 (3.93)	415 (8.67)	307 (7.65)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I make myself check to see if I remember the work I have already done.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	13.77	(0.36)	62.37	(0.48)	20.48	(0.43)	2.11	(0.21)	1.27	(0.15)
AUT	85931	1.08	85003	39.20	(0.91)	40.36	(0.91)	13.95	(0.64)	4.81	(0.48)	1.67	(0.61)
BEL	111831	1.79	109825	14.63	(0.46)	53.80	(0.67)	24.09	(0.56)	3.83	(0.28)	3.65	(0.51)
CAN	330436	9.70	298375	15.71	(0.51)	57.66	(0.64)	21.58	(0.44)	3.40	(0.18)	1.66	(0.13)
CZE	121183	4.09	116221	11.31	(0.51)	70.09	(0.71)	15.75	(0.62)	1.68	(0.21)	1.17	(0.34)
DNK	51741	0.65	51406	9.22	(0.44)	56.83	(0.83)	29.37	(0.84)	2.30	(0.26)	2.28	(0.28)
FIN	57884	0.07	57845	4.97	(0.34)	40.88	(0.75)	48.38	(0.71)	5.46	(0.33)	0.31	(.)
FRA	734579	0.87	728167	17.53	(0.66)	53.23	(0.72)	22.93	(0.53)	4.56	(0.37)	1.75	(0.22)
DEU	884358	5.57	835070	25.53	(0.75)	43.63	(0.84)	22.93	(0.75)	5.89	(0.42)	2.02	(0.30)
GRC	105131	0.13	104991	22.48	(0.85)	61.44	(0.87)	12.15	(0.49)	2.11	(0.25)	1.83	(0.28)
HUN	107044	0.06	106984	14.18	(0.51)	61.39	(0.82)	20.93	(0.76)	2.71	(0.26)	0.80	(0.13)
ISL	3928	0.63	3903	16.07	(0.70)	56.84	(0.87)	22.87	(0.77)	3.47	(0.32)	0.75	(.)
IRL	54850	1.03	54285	15.62	(0.66)	58.57	(0.90)	21.89	(0.72)	2.56	(0.29)	1.35	(0.21)
ITA	481521	0.22	480483	15.86	(0.68)	59.54	(0.63)	20.86	(0.55)	2.76	(0.24)	0.97	(0.15)
JPN	1240054	0.10	1238855	14.63	(0.60)	49.74	(0.79)	27.23	(0.72)	7.71	(0.47)	0.70	(0.25)
KOR	533504	.	533504	6.76	(0.40)	53.16	(0.86)	33.90	(0.80)	5.90	(0.38)	0.27	(.)
LUX	4080	0.08	4077	24.90	(0.67)	52.24	(0.70)	17.04	(0.49)	4.11	(0.32)	1.70	(0.17)
MEX	1071650	0.37	1067674	22.34	(0.79)	55.69	(0.78)	14.12	(0.61)	1.41	(0.20)	6.45	(0.60)
NLD	184943	3.34	178773	7.61	(0.50)	50.25	(0.96)	36.04	(0.94)	4.31	(0.43)	1.78	(0.34)
NZL	48638	1.33	47993	13.86	(0.61)	62.63	(0.83)	21.01	(0.62)	2.07	(0.26)	0.44	(.)
NOR	52816	0.77	52407	10.18	(0.49)	48.93	(0.92)	31.41	(0.73)	6.48	(0.43)	3.00	(0.48)
POL	534900	.	534900	12.70	(0.52)	66.50	(0.82)	17.33	(0.69)	2.42	(0.27)	1.04	(0.22)
PRT	96857	0.23	96637	15.90	(0.58)	68.87	(0.81)	10.96	(0.47)	2.76	(0.32)	1.50	(0.30)
SVK	77067	0.17	76935	13.60	(0.54)	64.13	(0.79)	18.91	(0.61)	2.16	(0.24)	1.20	(0.46)
ESP	344372	0.07	344114	16.76	(0.53)	60.63	(0.63)	16.63	(0.45)	4.40	(0.29)	1.59	(0.18)
SWE	107104	0.25	106838	7.21	(0.46)	48.44	(0.71)	37.75	(0.70)	4.85	(0.33)	1.75	(0.22)
CHE	86491	0.14	86370	16.25	(0.46)	46.16	(0.78)	29.22	(0.79)	6.68	(0.47)	1.70	(0.20)
TUR	481279	0.03	481137	24.83	(0.98)	55.18	(1.02)	10.49	(0.50)	3.12	(0.33)	6.38	(0.83)
GBR	698579	3.61	673362	13.08	(0.55)	62.11	(0.96)	20.66	(0.79)	2.34	(0.21)	1.81	(0.25)
USA	3147089	0.76	3123066	14.74	(0.60)	55.75	(0.87)	24.23	(0.62)	3.63	(0.28)	1.66	(0.28)
TOT	.	1.34	.	16.26	(0.21)	55.29	(0.28)	22.38	(0.22)	3.98	(0.12)	2.09	(0.10)
AVG	.	1.25	.	15.71	(0.12)	55.90	(0.16)	22.84	(0.12)	3.73	(0.07)	1.82	(0.07)
HKG	72484	0.21	72334	11.33	(0.60)	64.78	(0.75)	20.61	(0.76)	2.90	(0.33)	0.37	(.)
IDN	1971476	0.01	1971367	21.92	(0.68)	70.84	(0.80)	3.73	(0.39)	0.23	(.)	3.27	(0.44)
LVA	33643	0.22	33570	6.68	(0.43)	59.33	(0.91)	30.87	(0.89)	2.05	(0.26)	1.07	(0.18)
LIE	338	.	338	19.01	(1.87)	40.94	(2.41)	33.44	(2.68)	6.00	(.)	0.61	(.)
MAC	6546	.	6546	12.32	(1.06)	64.28	(1.63)	20.42	(1.31)	2.59	(0.46)	0.39	(.)
RUS	2153373	0.02	2152991	9.93	(0.48)	62.33	(0.85)	23.71	(0.65)	1.92	(0.20)	2.11	(0.25)
YUG	68596	0.57	68202	26.11	(0.79)	51.38	(0.94)	12.92	(0.63)	2.76	(0.30)	6.82	(0.85)
THA	637076	.	637076	9.98	(0.49)	70.51	(0.77)	17.14	(0.63)	0.81	(0.15)	1.55	(0.21)
TUN	150875	0.13	150672	33.32	(0.85)	42.84	(0.77)	15.51	(0.67)	3.68	(0.31)	4.65	(0.34)
URY	33775	0.15	33724	21.63	(0.66)	53.26	(0.88)	16.69	(0.57)	2.74	(0.32)	5.68	(0.43)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I make myself check to see if I remember the work I have already done.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.01)	527 (1.98)	527 (3.67)	488 (9.33)	403 (9.46)
AUT	85931	1.08	85003	493 (4.19)	498 (4.18)	496 (5.08)	466 (9.62)	440 (28.47)
BEL	111831	1.79	109825	511 (4.73)	522 (2.47)	515 (3.56)	468 (9.42)	346 (19.19)
CAN	330436	9.70	298375	544 (3.00)	534 (1.80)	525 (2.30)	494 (5.76)	478 (8.88)
CZE	121183	4.09	116221	490 (5.18)	499 (2.77)	496 (4.25)	467 (11.44)	428 (25.31)
DNK	51741	0.65	51406	490 (6.24)	492 (2.60)	504 (3.61)	487 (12.72)	394 (17.67)
FIN	57884	0.07	57845	537 (6.05)	543 (2.29)	547 (1.88)	528 (5.55)	. (.)
FRA	734579	0.87	728167	494 (4.50)	505 (2.78)	500 (4.06)	456 (9.29)	371 (14.63)
DEU	884358	5.57	835070	497 (4.63)	507 (3.95)	510 (3.92)	494 (9.09)	354 (12.09)
GRC	105131	0.13	104991	481 (5.08)	476 (3.94)	471 (6.62)	418 (12.61)	328 (21.66)
HUN	107044	0.06	106984	474 (4.05)	485 (3.04)	484 (4.17)	481 (9.90)	360 (25.15)
ISL	3928	0.63	3903	494 (5.09)	494 (2.12)	494 (3.99)	467 (9.53)	. (.)
IRL	54850	1.03	54285	508 (4.44)	517 (3.02)	525 (3.43)	493 (9.43)	388 (20.19)
ITA	481521	0.22	480483	470 (5.38)	481 (3.07)	474 (4.20)	458 (9.81)	369 (18.51)
JPN	1240054	0.10	1238855	494 (5.25)	510 (3.74)	500 (5.07)	440 (9.27)	319 (36.61)
KOR	533504	.	533504	567 (4.72)	549 (2.89)	516 (3.76)	481 (6.13)	. (.)
LUX	4080	0.08	4077	483 (3.75)	484 (2.19)	484 (4.03)	437 (9.31)	338 (17.60)
MEX	1071650	0.37	1067674	415 (5.13)	408 (3.98)	389 (5.94)	372 (11.47)	305 (6.59)
NLD	184943	3.34	178773	496 (6.62)	523 (2.58)	518 (3.62)	498 (8.51)	488 (10.42)
NZL	48638	1.33	47993	522 (5.77)	526 (2.63)	521 (4.15)	486 (14.43)	. (.)
NOR	52816	0.77	52407	511 (6.91)	506 (3.08)	506 (3.75)	455 (7.51)	410 (14.95)
POL	534900	.	534900	507 (4.94)	500 (2.87)	489 (5.07)	470 (11.45)	353 (22.64)
PRT	96857	0.23	96637	494 (4.70)	480 (3.83)	461 (6.28)	430 (8.68)	434 (18.30)
SVK	77067	0.17	76935	462 (4.49)	470 (3.31)	479 (4.87)	444 (11.23)	376 (34.97)
ESP	344372	0.07	344114	493 (3.42)	489 (2.69)	466 (4.48)	417 (8.34)	363 (13.59)
SWE	107104	0.25	106838	506 (7.16)	510 (2.94)	529 (2.65)	500 (7.08)	425 (16.47)
CHE	86491	0.14	86370	491 (4.55)	498 (3.45)	510 (3.85)	499 (9.10)	415 (12.97)
TUR	481279	0.03	481137	457 (6.52)	450 (6.11)	425 (7.31)	393 (8.35)	354 (5.70)
GBR	698579	3.61	673362	503 (4.37)	508 (2.54)	515 (4.72)	471 (12.26)	407 (11.88)
USA	3147089	0.76	3123066	493 (5.05)	498 (3.02)	505 (4.69)	470 (9.81)	358 (14.21)
TOT	.	1.34	.	485 (1.79)	494 (1.11)	497 (1.72)	460 (3.46)	351 (4.13)
AVG	.	1.25	.	492 (1.01)	499 (0.68)	504 (0.80)	468 (1.65)	376 (3.95)
HKG	72484	0.21	72334	526 (5.06)	513 (3.37)	498 (5.80)	453 (12.08)	. (.)
IDN	1971476	0.01	1971367	376 (4.02)	388 (3.23)	361 (8.79)	. (.)	298 (7.99)
LVA	33643	0.22	33570	490 (8.82)	489 (3.64)	497 (4.39)	491 (13.20)	397 (17.34)
LIE	338	.	338	497 (14.37)	529 (7.82)	531 (7.46)	. (.)	. (.)
MAC	6546	.	6546	499 (8.33)	497 (2.31)	501 (5.24)	489 (17.85)	. (.)
RUS	2153373	0.02	2152991	439 (5.87)	444 (4.10)	448 (4.71)	454 (13.66)	341 (11.88)
YUG	68596	0.57	68202	413 (3.96)	421 (3.58)	418 (5.25)	402 (9.67)	340 (11.58)
THA	637076	.	637076	431 (4.90)	420 (2.76)	417 (4.59)	424 (13.02)	370 (12.54)
TUN	150875	0.13	150672	382 (4.16)	379 (2.91)	371 (5.12)	372 (7.43)	290 (9.46)
URY	33775	0.15	33724	447 (5.46)	443 (3.83)	429 (5.87)	394 (11.03)	338 (8.30)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I make myself check to see if I remember the work I have already done.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.58)	525 (1.94)	525 (3.29)	481 (8.03)	419 (8.26)
AUT	85931	1.08	85003	503 (3.84)	511 (3.70)	517 (4.89)	498 (8.65)	453 (15.77)
BEL	111831	1.79	109825	523 (4.20)	542 (2.36)	545 (3.42)	502 (8.02)	381 (17.25)
CAN	330436	9.70	298375	551 (3.40)	537 (1.77)	532 (2.44)	505 (4.82)	483 (8.14)
CZE	121183	4.09	116221	513 (5.36)	524 (3.29)	529 (4.84)	507 (13.80)	464 (23.70)
DNK	51741	0.65	51406	524 (6.47)	512 (2.73)	523 (3.52)	507 (12.73)	436 (16.67)
FIN	57884	0.07	57845	549 (6.72)	546 (2.43)	546 (2.07)	517 (6.14)	. (.)
FRA	734579	0.87	728167	506 (4.26)	518 (2.40)	517 (3.79)	469 (6.84)	422 (13.25)
DEU	884358	5.57	835070	499 (4.33)	515 (3.91)	526 (3.75)	520 (9.09)	394 (9.85)
GRC	105131	0.13	104991	447 (4.39)	447 (3.81)	451 (5.68)	401 (11.76)	355 (14.92)
HUN	107044	0.06	106984	478 (4.61)	490 (3.40)	500 (4.31)	496 (9.74)	407 (23.54)
ISL	3928	0.63	3903	521 (4.33)	517 (2.06)	516 (3.95)	479 (7.91)	. (.)
IRL	54850	1.03	54285	494 (4.17)	505 (2.90)	513 (3.35)	476 (10.19)	384 (10.71)
ITA	481521	0.22	480483	460 (4.56)	469 (3.09)	465 (4.26)	453 (7.59)	397 (14.16)
JPN	1240054	0.10	1238855	529 (5.10)	544 (4.13)	537 (5.13)	481 (9.30)	405 (26.33)
KOR	533504	.	533504	583 (5.74)	559 (3.28)	520 (3.75)	477 (5.86)	. (.)
LUX	4080	0.08	4077	489 (2.93)	497 (1.52)	500 (3.96)	475 (8.24)	414 (11.22)
MEX	1071650	0.37	1067674	399 (4.49)	393 (3.53)	374 (4.63)	362 (11.48)	303 (6.97)
NLD	184943	3.34	178773	514 (6.98)	546 (2.87)	550 (3.81)	526 (9.74)	475 (9.20)
NZL	48638	1.33	47993	526 (5.41)	528 (2.41)	523 (3.49)	485 (14.86)	. (.)
NOR	52816	0.77	52407	511 (5.88)	500 (2.88)	499 (3.19)	455 (5.43)	419 (10.83)
POL	534900	.	534900	508 (5.01)	491 (2.53)	485 (4.34)	462 (9.67)	373 (16.94)
PRT	96857	0.23	96637	484 (4.75)	468 (3.38)	450 (5.62)	413 (9.22)	423 (17.95)
SVK	77067	0.17	76935	486 (4.31)	498 (3.59)	513 (4.47)	486 (12.01)	421 (32.86)
ESP	344372	0.07	344114	494 (2.80)	492 (2.45)	477 (4.22)	429 (5.83)	385 (12.15)
SWE	107104	0.25	106838	499 (7.29)	502 (3.14)	524 (2.91)	507 (7.04)	441 (16.15)
CHE	86491	0.14	86370	514 (4.62)	524 (3.52)	540 (3.93)	534 (8.59)	457 (13.98)
TUR	481279	0.03	481137	441 (7.36)	431 (7.40)	412 (8.22)	374 (8.51)	335 (6.47)
GBR	698579	3.61	673362	506 (4.40)	509 (2.55)	518 (4.74)	477 (12.48)	414 (11.72)
USA	3147089	0.76	3123066	477 (4.67)	484 (3.05)	496 (4.03)	464 (9.30)	381 (13.90)
TOT	.	1.34	.	484 (1.70)	493 (1.12)	502 (1.51)	472 (3.47)	366 (4.45)
AVG	.	1.25	.	495 (1.01)	503 (0.68)	513 (0.70)	480 (1.76)	394 (3.63)
HKG	72484	0.21	72334	574 (6.28)	555 (4.23)	535 (6.95)	478 (14.35)	. (.)
IDN	1971476	0.01	1971367	353 (4.29)	367 (3.90)	339 (8.89)	. (.)	280 (6.09)
LVA	33643	0.22	33570	476 (7.79)	480 (3.76)	493 (4.19)	487 (15.08)	405 (13.95)
LIE	338	.	338	508 (14.30)	535 (8.19)	541 (8.60)	. (.)	. (.)
MAC	6546	.	6546	536 (10.08)	525 (3.19)	526 (7.27)	541 (23.92)	. (.)
RUS	2153373	0.02	2152991	471 (5.66)	470 (4.72)	471 (4.25)	474 (9.84)	389 (8.88)
YUG	68596	0.57	68202	432 (4.19)	446 (3.77)	453 (5.57)	428 (7.87)	363 (9.49)
THA	637076	.	637076	429 (5.71)	417 (3.02)	415 (4.94)	401 (12.66)	385 (13.35)
TUN	150875	0.13	150672	368 (3.39)	361 (3.03)	350 (4.18)	345 (5.82)	308 (6.73)
URY	33775	0.15	33724	436 (5.13)	429 (3.34)	420 (4.71)	389 (9.87)	331 (6.28)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I make myself check to see if I remember the work I have already done.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	539 (3.44)	526 (1.97)	526 (3.63)	486 (9.92)	415 (9.43)
AUT	85931	1.08	85003	488 (4.09)	497 (3.88)	502 (4.88)	479 (8.81)	443 (20.73)
BEL	111831	1.79	109825	508 (4.38)	522 (2.64)	519 (3.44)	475 (9.02)	354 (14.97)
CAN	330436	9.70	298375	532 (3.28)	524 (1.94)	520 (2.78)	495 (6.45)	463 (9.30)
CZE	121183	4.09	116221	519 (5.64)	529 (3.30)	536 (4.56)	515 (13.06)	473 (25.65)
DNK	51741	0.65	51406	483 (6.97)	473 (3.17)	486 (3.95)	477 (13.63)	365 (17.09)
FIN	57884	0.07	57845	551 (6.55)	549 (2.48)	551 (2.28)	526 (5.96)	. (.)
FRA	734579	0.87	728167	507 (4.61)	519 (3.37)	518 (4.71)	466 (10.11)	401 (17.63)
DEU	884358	5.57	835070	501 (4.62)	514 (4.26)	526 (4.04)	517 (9.70)	376 (11.16)
GRC	105131	0.13	104991	485 (5.02)	483 (3.86)	483 (6.33)	432 (11.59)	405 (16.31)
HUN	107044	0.06	106984	493 (5.11)	504 (3.27)	510 (4.51)	513 (11.18)	393 (22.78)
ISL	3928	0.63	3903	498 (4.27)	496 (2.14)	497 (4.34)	477 (7.88)	. (.)
IRL	54850	1.03	54285	499 (4.97)	507 (3.13)	513 (3.63)	485 (10.33)	397 (14.39)
ITA	481521	0.22	480483	484 (5.57)	490 (3.18)	484 (4.54)	479 (9.34)	371 (17.35)
JPN	1240054	0.10	1238855	545 (5.43)	559 (4.10)	548 (5.30)	488 (9.27)	419 (30.64)
KOR	533504	.	533504	577 (5.77)	556 (3.56)	515 (4.36)	475 (6.61)	. (.)
LUX	4080	0.08	4077	480 (3.69)	487 (2.08)	492 (4.32)	460 (8.97)	358 (18.41)
MEX	1071650	0.37	1067674	420 (4.77)	410 (3.52)	396 (4.31)	388 (9.22)	332 (7.24)
NLD	184943	3.34	178773	499 (7.67)	533 (3.01)	534 (4.03)	508 (10.47)	455 (12.67)
NZL	48638	1.33	47993	523 (6.22)	524 (2.54)	523 (4.02)	484 (15.45)	. (.)
NOR	52816	0.77	52407	498 (6.73)	489 (3.23)	490 (3.82)	445 (6.90)	395 (11.91)
POL	534900	.	534900	517 (5.58)	499 (2.87)	488 (5.22)	470 (14.04)	411 (15.84)
PRT	96857	0.23	96637	485 (4.84)	469 (3.50)	455 (5.97)	424 (9.13)	411 (19.26)
SVK	77067	0.17	76935	491 (4.92)	496 (3.75)	504 (7.10)	481 (12.65)	388 (31.12)
ESP	344372	0.07	344114	497 (3.52)	495 (2.68)	478 (4.55)	427 (7.33)	354 (14.71)
SWE	107104	0.25	106838	497 (7.10)	500 (3.50)	522 (3.23)	501 (8.24)	424 (18.22)
CHE	86491	0.14	86370	503 (5.39)	511 (3.65)	524 (4.55)	515 (9.69)	453 (13.01)
TUR	481279	0.03	481137	448 (6.82)	441 (6.46)	420 (6.85)	389 (6.86)	367 (7.14)
GBR	698579	3.61	673362	516 (4.61)	519 (2.78)	530 (4.90)	487 (14.15)	400 (13.00)
USA	3147089	0.76	3123066	487 (4.81)	492 (3.09)	505 (4.21)	479 (8.80)	367 (18.14)
TOT	.	1.34	.	492 (1.73)	500 (1.08)	507 (1.54)	478 (3.18)	371 (4.44)
AVG	.	1.25	.	496 (1.03)	503 (0.65)	510 (0.81)	479 (1.65)	389 (3.59)
HKG	72484	0.21	72334	558 (6.01)	543 (4.07)	528 (6.48)	481 (13.76)	. (.)
IDN	1971476	0.01	1971367	393 (3.63)	399 (3.29)	380 (7.65)	. (.)	337 (5.97)
LVA	33643	0.22	33570	484 (8.19)	488 (4.25)	496 (4.44)	499 (15.96)	410 (18.59)
LIE	338	.	338	498 (15.48)	525 (8.14)	530 (9.69)	. (.)	. (.)
MAC	6546	.	6546	539 (11.70)	524 (3.71)	523 (6.18)	498 (24.89)	. (.)
RUS	2153373	0.02	2152991	491 (5.68)	490 (4.59)	494 (4.59)	493 (13.19)	399 (13.16)
YUG	68596	0.57	68202	434 (3.92)	443 (3.60)	443 (5.17)	437 (9.47)	390 (11.55)
THA	637076	.	637076	442 (4.93)	428 (2.76)	430 (4.51)	420 (15.90)	406 (12.87)
TUN	150875	0.13	150672	396 (3.19)	385 (2.95)	378 (4.32)	383 (6.73)	318 (8.72)
URY	33775	0.15	33724	452 (5.16)	445 (3.12)	434 (5.54)	409 (9.33)	350 (7.58)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I make myself check to see if I remember the work I have already done.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	540 (3.27)	531 (1.77)	531 (3.44)	489 (7.73)	425 (8.36)
AUT	85931	1.08	85003	504 (3.58)	512 (3.66)	516 (4.57)	498 (8.68)	445 (17.18)
BEL	111831	1.79	109825	518 (4.20)	537 (2.34)	538 (3.32)	496 (8.17)	401 (11.50)
CAN	330436	9.70	298375	548 (2.97)	535 (1.82)	529 (2.55)	498 (5.08)	482 (8.16)
CZE	121183	4.09	116221	512 (5.35)	524 (3.15)	527 (4.57)	503 (13.83)	463 (28.14)
DNK	51741	0.65	51406	522 (5.74)	515 (2.43)	527 (3.30)	518 (12.46)	425 (17.01)
FIN	57884	0.07	57845	549 (6.67)	549 (2.32)	549 (2.15)	528 (5.98)	. (.)
FRA	734579	0.87	728167	512 (4.31)	527 (2.63)	526 (3.89)	475 (8.12)	433 (14.33)
DEU	884358	5.57	835070	508 (4.25)	522 (3.78)	533 (3.76)	527 (8.27)	401 (10.71)
GRC	105131	0.13	104991	447 (4.90)	453 (3.89)	454 (6.20)	403 (12.47)	336 (14.33)
HUN	107044	0.06	106984	486 (4.39)	502 (3.53)	510 (4.17)	512 (9.53)	434 (20.59)
ISL	3928	0.63	3903	512 (4.26)	507 (1.83)	504 (3.51)	475 (8.33)	. (.)
IRL	54850	1.03	54285	490 (4.12)	500 (2.62)	507 (3.03)	475 (7.90)	381 (11.86)
ITA	481521	0.22	480483	464 (5.03)	474 (3.19)	470 (4.27)	456 (8.49)	356 (16.38)
JPN	1240054	0.10	1238855	542 (5.16)	557 (4.19)	551 (5.06)	492 (10.02)	399 (45.86)
KOR	533504	.	533504	583 (5.10)	565 (3.09)	531 (3.75)	495 (6.30)	. (.)
LUX	4080	0.08	4077	492 (3.43)	497 (2.03)	500 (4.16)	469 (8.61)	406 (13.05)
MEX	1071650	0.37	1067674	398 (5.17)	392 (4.23)	376 (5.54)	361 (12.12)	293 (7.25)
NLD	184943	3.34	178773	493 (6.74)	527 (2.86)	530 (3.98)	504 (10.49)	455 (11.21)
NZL	48638	1.33	47993	533 (4.63)	537 (2.37)	531 (3.75)	500 (13.75)	. (.)
NOR	52816	0.77	52407	503 (7.10)	496 (2.96)	495 (3.50)	445 (5.86)	415 (12.94)
POL	534900	.	534900	501 (4.98)	488 (2.68)	481 (4.83)	464 (11.35)	351 (25.05)
PRT	96857	0.23	96637	487 (4.94)	473 (3.90)	451 (6.45)	407 (8.47)	429 (21.32)
SVK	77067	0.17	76935	477 (4.89)	492 (3.66)	507 (4.36)	479 (12.65)	421 (37.67)
ESP	344372	0.07	344114	491 (3.49)	490 (2.91)	472 (4.35)	423 (6.63)	374 (13.38)
SWE	107104	0.25	106838	496 (6.93)	502 (2.94)	524 (2.66)	501 (7.38)	451 (14.17)
CHE	86491	0.14	86370	512 (4.21)	520 (3.32)	534 (3.83)	527 (7.54)	427 (12.74)
TUR	481279	0.03	481137	424 (6.66)	415 (6.46)	397 (7.42)	363 (8.54)	316 (5.94)
GBR	698579	3.61	673362	506 (4.68)	511 (2.46)	519 (4.50)	473 (12.46)	430 (12.70)
USA	3147089	0.76	3123066	473 (4.98)	479 (3.20)	488 (4.15)	457 (10.29)	361 (14.20)
TOT	.	1.34	.	483 (1.68)	493 (1.18)	502 (1.58)	473 (3.70)	357 (4.87)
AVG	.	1.25	.	494 (1.03)	503 (0.69)	512 (0.75)	480 (1.79)	388 (3.65)
HKG	72484	0.21	72334	570 (5.43)	551 (3.98)	536 (6.63)	484 (13.85)	. (.)
IDN	1971476	0.01	1971367	355 (3.66)	367 (3.26)	347 (8.65)	. (.)	292 (5.54)
LVA	33643	0.22	33570	477 (8.59)	481 (3.76)	490 (4.80)	481 (17.76)	385 (16.10)
LIE	338	.	338	506 (13.34)	528 (7.57)	534 (8.10)	. (.)	. (.)
MAC	6546	.	6546	536 (9.25)	532 (3.30)	533 (6.48)	542 (20.83)	. (.)
RUS	2153373	0.02	2152991	477 (6.61)	480 (5.03)	483 (4.73)	489 (11.56)	377 (12.35)
YUG	68596	0.57	68202	414 (3.76)	431 (3.32)	436 (5.36)	413 (9.01)	342 (10.44)
THA	637076	.	637076	441 (5.90)	424 (2.73)	422 (4.38)	419 (11.97)	391 (14.94)
TUN	150875	0.13	150672	351 (2.83)	348 (2.54)	339 (4.13)	339 (6.58)	291 (7.46)
URY	33775	0.15	33724	425 (5.76)	417 (3.82)	410 (5.27)	382 (12.50)	314 (6.83)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I study Mathematics, I try to figure out which concepts I still have not understood properly.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	18.21	(0.37)	66.89	(0.50)	12.23	(0.38)	1.41	(0.13)	1.26	(0.14)
AUT	85931	1.08	85003	47.43	(0.82)	41.94	(0.88)	6.85	(0.43)	2.18	(0.32)	1.60	(0.60)
BEL	111831	1.79	109825	17.80	(0.52)	64.72	(0.61)	11.16	(0.36)	2.87	(0.25)	3.45	(0.50)
CAN	330436	9.70	298375	23.40	(0.54)	61.82	(0.59)	10.89	(0.29)	2.25	(0.14)	1.65	(0.15)
CZE	121183	4.09	116221	21.68	(0.72)	70.07	(0.83)	6.10	(0.42)	1.04	(0.16)	1.12	(0.33)
DNK	51741	0.65	51406	14.69	(0.57)	68.77	(0.82)	13.13	(0.56)	1.03	(0.21)	2.39	(0.28)
FIN	57884	0.07	57845	11.39	(0.45)	70.56	(0.73)	15.71	(0.59)	2.09	(0.20)	0.25	(.)
FRA	734579	0.87	728167	24.51	(0.84)	60.96	(0.86)	9.50	(0.50)	3.64	(0.29)	1.39	(0.24)
DEU	884358	5.57	835070	40.27	(0.78)	46.92	(0.78)	8.11	(0.41)	2.81	(0.23)	1.89	(0.31)
GRC	105131	0.13	104991	26.15	(0.82)	62.47	(0.81)	7.52	(0.37)	2.11	(0.25)	1.75	(0.31)
HUN	107044	0.06	106984	18.79	(0.69)	68.67	(0.75)	10.43	(0.49)	1.44	(0.18)	0.67	(0.12)
ISL	3928	0.63	3903	22.60	(0.65)	60.86	(0.79)	12.15	(0.61)	3.37	(0.32)	1.03	(0.18)
IRL	54850	1.03	54285	20.33	(0.70)	64.06	(0.80)	11.88	(0.60)	2.21	(0.25)	1.52	(0.25)
ITA	481521	0.22	480483	24.87	(0.63)	65.73	(0.63)	6.87	(0.43)	1.74	(0.20)	0.79	(0.17)
JPN	1240054	0.10	1238855	18.74	(0.67)	57.06	(0.88)	17.65	(0.61)	5.92	(0.41)	0.63	(.)
KOR	533504	.	533504	12.59	(0.52)	62.05	(0.92)	20.98	(0.92)	4.18	(0.36)	0.21	(.)
LUX	4080	0.08	4077	28.10	(0.69)	54.07	(0.77)	12.33	(0.57)	3.73	(0.29)	1.78	(0.19)
MEX	1071650	0.37	1067674	30.12	(0.96)	56.27	(0.76)	5.94	(0.42)	1.04	(0.20)	6.62	(0.56)
NLD	184943	3.34	178773	10.44	(0.46)	70.52	(1.03)	15.08	(0.78)	2.30	(0.34)	1.66	(0.35)
NZL	48638	1.31	48003	19.69	(0.59)	65.62	(0.76)	11.78	(0.55)	2.26	(0.26)	0.65	(.)
NOR	52816	0.77	52407	15.36	(0.60)	60.68	(0.91)	16.40	(0.61)	4.53	(0.36)	3.03	(0.46)
POL	534900	.	534900	12.20	(0.53)	73.09	(0.76)	11.43	(0.49)	2.13	(0.24)	1.15	(0.24)
PRT	96857	0.23	96637	18.44	(0.81)	65.50	(0.88)	11.88	(0.56)	2.68	(0.28)	1.50	(0.30)
SVK	77067	0.17	76935	16.51	(0.44)	71.78	(0.62)	8.95	(0.41)	1.35	(0.20)	1.40	(0.53)
ESP	344372	0.07	344114	18.03	(0.56)	64.99	(0.83)	11.23	(0.45)	4.00	(0.34)	1.75	(0.18)
SWE	107104	0.25	106838	13.87	(0.52)	68.49	(0.73)	13.77	(0.55)	2.39	(0.23)	1.48	(0.18)
CHE	86491	0.14	86370	33.20	(0.88)	54.07	(0.84)	9.08	(0.38)	2.21	(0.22)	1.43	(0.19)
TUR	481279	0.03	481137	25.22	(0.97)	53.53	(0.97)	11.20	(0.52)	3.14	(0.32)	6.90	(0.93)
GBR	698579	3.65	673085	13.26	(0.48)	70.99	(0.82)	12.52	(0.57)	1.50	(0.16)	1.73	(0.22)
USA	3147089	0.76	3123066	18.22	(0.57)	63.05	(0.85)	14.15	(0.62)	2.92	(0.25)	1.66	(0.30)
TOT	.	1.34	.	21.36	(0.23)	61.45	(0.27)	12.21	(0.20)	2.90	(0.09)	2.08	(0.10)
AVG	.	1.25	.	21.18	(0.16)	62.88	(0.16)	11.58	(0.11)	2.55	(0.05)	1.81	(0.07)
HKG	72484	0.21	72334	18.73	(0.80)	69.75	(0.74)	8.70	(0.48)	2.48	(0.27)	0.33	(.)
IDN	1971476	0.01	1971367	21.51	(0.65)	66.01	(0.68)	8.38	(0.39)	0.52	(0.12)	3.58	(0.43)
LVA	33643	0.22	33570	9.75	(0.64)	73.07	(0.78)	14.56	(0.61)	1.57	(0.23)	1.06	(0.18)
LIE	338	.	338	35.13	(2.92)	53.05	(3.33)	8.51	(.)	2.72	(.)	0.59	(.)
MAC	6546	.	6546	22.97	(1.22)	67.40	(1.57)	7.78	(0.82)	1.06	(.)	0.79	(.)
RUS	2153373	0.02	2152991	13.84	(0.48)	69.79	(0.68)	12.65	(0.69)	1.49	(0.19)	2.23	(0.31)
YUG	68596	0.57	68202	32.11	(1.02)	51.60	(0.95)	7.40	(0.37)	2.01	(0.25)	6.88	(0.84)
THA	637076	.	637076	10.88	(0.57)	72.43	(0.71)	14.23	(0.55)	0.91	(0.15)	1.55	(0.22)
TUN	150875	0.13	150672	38.31	(0.85)	43.46	(0.87)	9.91	(0.49)	3.63	(0.24)	4.69	(0.32)
URY	33775	0.15	33724	23.54	(0.66)	59.45	(0.78)	9.40	(0.54)	1.93	(0.22)	5.67	(0.38)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I study Mathematics, I try to figure out which concepts I still have not understood properly.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	552 (2.88)	529 (2.03)	489 (3.67)	466 (11.00)	391 (9.56)
AUT	85931	1.08	85003	506 (3.99)	490 (3.85)	457 (6.98)	420 (12.47)	439 (29.62)
BEL	111831	1.79	109825	519 (4.08)	524 (2.29)	489 (6.21)	448 (9.43)	335 (19.11)
CAN	330436	9.70	298375	552 (2.73)	533 (1.85)	497 (2.94)	475 (6.52)	480 (9.67)
CZE	121183	4.09	116221	509 (4.08)	497 (2.74)	463 (5.99)	442 (12.24)	412 (29.95)
DNK	51741	0.65	51406	502 (5.55)	496 (2.58)	482 (5.12)	467 (18.61)	398 (18.61)
FIN	57884	0.07	57845	561 (3.88)	547 (1.65)	522 (3.00)	504 (9.41)	. (.)
FRA	734579	0.87	728167	509 (3.72)	505 (2.69)	467 (7.01)	436 (11.38)	339 (15.94)
DEU	884358	5.57	835070	508 (3.81)	508 (3.61)	471 (6.10)	471 (12.79)	343 (12.87)
GRC	105131	0.13	104991	493 (4.22)	476 (4.14)	432 (8.05)	397 (11.97)	317 (17.64)
HUN	107044	0.06	106984	489 (4.24)	483 (2.71)	472 (5.92)	461 (15.20)	332 (22.95)
ISL	3928	0.63	3903	506 (4.14)	497 (1.91)	474 (5.63)	433 (12.03)	343 (23.10)
IRL	54850	1.03	54285	523 (4.38)	519 (2.69)	506 (4.47)	470 (10.75)	381 (17.19)
ITA	481521	0.22	480483	486 (3.76)	479 (2.83)	435 (8.62)	416 (11.17)	343 (20.55)
JPN	1240054	0.10	1238855	514 (5.06)	509 (3.77)	478 (5.49)	425 (9.86)	. (.)
KOR	533504	.	533504	570 (4.13)	544 (2.65)	499 (4.28)	462 (6.81)	. (.)
LUX	4080	0.08	4077	488 (3.04)	487 (2.17)	460 (5.48)	435 (8.85)	337 (15.11)
MEX	1071650	0.37	1067674	421 (4.86)	405 (3.68)	364 (7.82)	339 (20.77)	302 (6.94)
NLD	184943	3.34	178773	511 (5.26)	524 (2.62)	503 (5.10)	470 (13.66)	485 (11.44)
NZL	48638	1.31	48003	546 (4.52)	526 (2.58)	490 (5.64)	453 (11.25)	. (.)
NOR	52816	0.77	52407	524 (5.42)	513 (2.68)	472 (4.32)	422 (9.56)	402 (14.66)
POL	534900	.	534900	508 (4.93)	502 (2.73)	470 (5.52)	464 (10.84)	356 (22.14)
PRT	96857	0.23	96637	507 (4.21)	480 (3.84)	440 (5.69)	412 (10.11)	425 (21.61)
SVK	77067	0.17	76935	470 (4.12)	473 (3.12)	459 (7.65)	416 (9.46)	363 (29.40)
ESP	344372	0.07	344114	501 (3.29)	490 (2.62)	442 (5.94)	400 (7.02)	368 (17.21)
SWE	107104	0.25	106838	538 (4.42)	518 (2.69)	495 (4.34)	456 (12.87)	397 (18.61)
CHE	86491	0.14	86370	511 (3.24)	500 (3.81)	472 (5.44)	472 (11.51)	395 (14.73)
TUR	481279	0.03	481137	462 (6.70)	451 (5.98)	415 (6.29)	387 (9.17)	353 (6.65)
GBR	698579	3.65	673085	523 (4.77)	511 (2.83)	485 (4.26)	424 (11.00)	404 (11.84)
USA	3147089	0.76	3123066	514 (4.93)	502 (2.90)	470 (5.42)	447 (10.79)	348 (13.69)
TOT	.	1.34	.	500 (1.60)	496 (1.15)	468 (1.94)	436 (4.02)	343 (4.82)
AVG	.	1.25	.	506 (0.90)	501 (0.66)	474 (0.94)	438 (1.96)	367 (4.01)
HKG	72484	0.21	72334	533 (4.13)	514 (3.61)	456 (6.32)	431 (12.26)	. (.)
IDN	1971476	0.01	1971367	385 (4.46)	387 (3.27)	365 (4.84)	317 (17.30)	303 (9.54)
LVA	33643	0.22	33570	505 (7.16)	494 (3.71)	475 (5.61)	457 (17.26)	393 (17.42)
LIE	338	.	338	528 (9.46)	527 (6.36)	. (.)	. (.)	. (.)
MAC	6546	.	6546	513 (6.31)	496 (2.36)	471 (9.07)	. (.)	. (.)
RUS	2153373	0.02	2152991	454 (4.55)	447 (3.92)	424 (6.10)	432 (14.15)	319 (10.90)
YUG	68596	0.57	68202	426 (3.88)	417 (3.50)	394 (5.34)	377 (11.09)	338 (11.49)
THA	637076	.	637076	436 (5.41)	421 (2.94)	411 (3.93)	392 (12.86)	367 (14.12)
TUN	150875	0.13	150672	388 (4.16)	378 (3.08)	353 (5.77)	364 (8.30)	289 (8.50)
URY	33775	0.15	33724	451 (5.01)	443 (3.57)	407 (7.37)	379 (17.03)	329 (7.80)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I study Mathematics, I try to figure out which concepts I still have not understood properly.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	551 (3.08)	528 (1.96)	485 (3.32)	464 (9.47)	415 (9.67)
AUT	85931	1.08	85003	513 (3.70)	508 (3.51)	488 (6.41)	468 (11.84)	451 (14.64)
BEL	111831	1.79	109825	530 (3.53)	546 (2.13)	522 (5.95)	480 (8.68)	371 (17.29)
CAN	330436	9.70	298375	557 (2.61)	536 (1.83)	505 (3.00)	490 (6.54)	488 (9.77)
CZE	121183	4.09	116221	535 (4.72)	522 (3.14)	498 (6.44)	482 (15.19)	444 (29.00)
DNK	51741	0.65	51406	530 (5.35)	516 (2.60)	506 (5.12)	484 (17.78)	431 (15.64)
FIN	57884	0.07	57845	568 (4.60)	546 (1.72)	525 (3.39)	500 (10.21)	. (.)
FRA	734579	0.87	728167	519 (3.47)	519 (2.57)	484 (6.14)	456 (8.43)	399 (15.56)
DEU	884358	5.57	835070	511 (3.74)	520 (3.60)	493 (6.65)	493 (12.32)	388 (9.90)
GRC	105131	0.13	104991	460 (4.37)	447 (3.91)	414 (6.30)	398 (11.66)	348 (14.30)
HUN	107044	0.06	106984	491 (4.48)	491 (3.16)	493 (5.58)	478 (16.04)	383 (20.87)
ISL	3928	0.63	3903	533 (3.35)	517 (1.63)	495 (5.54)	460 (9.66)	415 (20.29)
IRL	54850	1.03	54285	507 (4.37)	506 (2.37)	501 (4.35)	451 (9.43)	380 (10.34)
ITA	481521	0.22	480483	471 (3.85)	469 (3.16)	431 (7.45)	422 (10.28)	388 (12.33)
JPN	1240054	0.10	1238855	554 (5.70)	542 (4.00)	517 (5.14)	463 (8.97)	. (.)
KOR	533504	.	533504	587 (4.24)	554 (3.19)	499 (4.40)	462 (6.43)	. (.)
LUX	4080	0.08	4077	491 (2.59)	500 (1.74)	484 (4.28)	480 (8.36)	412 (10.91)
MEX	1071650	0.37	1067674	403 (4.35)	390 (3.23)	354 (7.31)	322 (16.60)	301 (6.70)
NLD	184943	3.34	178773	531 (5.73)	550 (2.75)	535 (5.25)	494 (15.75)	472 (9.71)
NZL	48638	1.31	48003	549 (4.33)	527 (2.32)	495 (4.67)	456 (11.43)	. (.)
NOR	52816	0.77	52407	521 (4.53)	505 (2.51)	470 (3.36)	431 (7.05)	411 (10.75)
POL	534900	.	534900	504 (4.30)	492 (2.51)	476 (5.14)	473 (13.32)	377 (18.15)
PRT	96857	0.23	96637	496 (4.20)	468 (3.42)	428 (5.21)	403 (10.74)	415 (17.61)
SVK	77067	0.17	76935	495 (4.26)	502 (3.45)	492 (6.23)	463 (11.45)	410 (29.44)
ESP	344372	0.07	344114	502 (2.83)	493 (2.63)	457 (4.57)	413 (5.87)	385 (12.30)
SWE	107104	0.25	106838	532 (4.02)	512 (2.74)	493 (4.79)	467 (12.11)	403 (16.10)
CHE	86491	0.14	86370	535 (3.59)	528 (3.85)	502 (4.80)	510 (11.74)	428 (15.12)
TUR	481279	0.03	481137	446 (7.82)	433 (7.26)	397 (6.81)	375 (7.94)	330 (6.31)
GBR	698579	3.65	673085	527 (5.08)	512 (2.67)	485 (4.46)	436 (10.34)	412 (11.89)
USA	3147089	0.76	3123066	498 (4.73)	488 (2.73)	465 (4.93)	448 (9.88)	370 (12.57)
TOT	.	1.34	.	498 (1.64)	496 (1.04)	475 (1.79)	449 (3.81)	358 (4.50)
AVG	.	1.25	.	510 (0.93)	506 (0.61)	484 (0.94)	454 (1.89)	385 (3.43)
HKG	72484	0.21	72334	585 (5.24)	553 (4.58)	486 (5.94)	457 (12.49)	. (.)
IDN	1971476	0.01	1971367	362 (4.96)	367 (3.92)	340 (4.74)	293 (17.49)	281 (6.46)
LVA	33643	0.22	33570	493 (6.78)	486 (3.71)	476 (5.65)	457 (16.59)	399 (13.79)
LIE	338	.	338	535 (8.66)	535 (7.20)	. (.)	. (.)	. (.)
MAC	6546	.	6546	550 (7.45)	523 (3.20)	502 (11.74)	. (.)	. (.)
RUS	2153373	0.02	2152991	482 (4.74)	472 (4.39)	452 (5.46)	458 (13.25)	370 (8.50)
YUG	68596	0.57	68202	444 (4.31)	445 (3.74)	428 (5.64)	407 (9.08)	363 (9.34)
THA	637076	.	637076	433 (5.51)	419 (3.14)	402 (3.68)	382 (13.99)	385 (13.61)
TUN	150875	0.13	150672	373 (3.47)	360 (2.93)	333 (4.13)	335 (5.73)	304 (5.49)
URY	33775	0.15	33724	434 (4.65)	432 (3.28)	402 (6.12)	383 (11.19)	317 (6.04)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I study Mathematics, I try to figure out which concepts I still have not understood properly.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	553 (2.96)	529 (1.93)	486 (3.55)	463 (11.79)	409 (9.47)
AUT	85931	1.08	85003	501 (3.81)	492 (3.80)	467 (5.98)	447 (11.06)	442 (18.49)
BEL	111831	1.79	109825	516 (4.17)	524 (2.31)	497 (5.96)	456 (10.13)	344 (15.08)
CAN	330436	9.70	298375	543 (2.89)	524 (2.10)	492 (3.28)	476 (6.60)	462 (11.06)
CZE	121183	4.09	116221	542 (4.84)	529 (3.04)	500 (7.11)	482 (14.87)	453 (31.91)
DNK	51741	0.65	51406	490 (5.48)	478 (2.92)	468 (6.12)	462 (18.53)	365 (17.01)
FIN	57884	0.07	57845	573 (4.82)	550 (1.98)	527 (3.17)	507 (11.09)	. (.)
FRA	734579	0.87	728167	524 (4.05)	519 (3.20)	483 (7.66)	450 (13.55)	372 (20.44)
DEU	884358	5.57	835070	513 (4.01)	520 (3.86)	489 (7.52)	495 (12.71)	367 (12.33)
GRC	105131	0.13	104991	499 (4.96)	482 (3.66)	448 (6.60)	425 (12.25)	398 (14.75)
HUN	107044	0.06	106984	509 (4.63)	504 (2.89)	501 (6.11)	501 (17.64)	364 (20.56)
ISL	3928	0.63	3903	509 (3.94)	498 (1.95)	478 (4.91)	451 (10.35)	384 (18.15)
IRL	54850	1.03	54285	512 (4.77)	508 (2.79)	499 (5.11)	461 (9.86)	388 (13.28)
ITA	481521	0.22	480483	494 (4.45)	490 (3.10)	450 (8.53)	435 (11.88)	356 (16.94)
JPN	1240054	0.10	1238855	568 (5.82)	556 (4.02)	528 (6.45)	472 (9.76)	. (.)
KOR	533504	.	533504	584 (4.78)	550 (3.44)	493 (4.98)	457 (7.33)	. (.)
LUX	4080	0.08	4077	485 (3.11)	490 (2.24)	470 (5.15)	465 (9.20)	360 (16.05)
MEX	1071650	0.37	1067674	423 (4.31)	408 (3.15)	376 (6.97)	348 (19.36)	336 (6.88)
NLD	184943	3.34	178773	514 (6.08)	536 (3.13)	519 (5.64)	478 (14.71)	450 (13.63)
NZL	48638	1.31	48003	546 (4.90)	524 (2.50)	494 (4.81)	456 (11.83)	. (.)
NOR	52816	0.77	52407	511 (5.43)	495 (3.04)	459 (4.59)	414 (8.94)	389 (11.21)
POL	534900	.	534900	517 (5.13)	500 (2.88)	476 (5.51)	468 (13.41)	401 (17.79)
PRT	96857	0.23	96637	495 (4.35)	471 (3.48)	433 (5.59)	411 (9.65)	400 (19.23)
SVK	77067	0.17	76935	496 (4.51)	499 (3.56)	480 (13.13)	456 (11.94)	388 (25.48)
ESP	344372	0.07	344114	505 (3.39)	496 (2.77)	458 (6.15)	414 (7.23)	356 (17.50)
SWE	107104	0.25	106838	529 (4.93)	510 (3.10)	489 (5.48)	454 (14.38)	392 (17.96)
CHE	86491	0.14	86370	526 (4.17)	514 (4.25)	480 (5.84)	486 (12.11)	430 (14.15)
TUR	481279	0.03	481137	453 (7.27)	443 (6.41)	406 (6.43)	389 (8.95)	365 (6.94)
GBR	698579	3.65	673085	537 (5.02)	523 (2.92)	495 (4.52)	442 (12.29)	399 (10.69)
USA	3147089	0.76	3123066	507 (4.87)	496 (2.84)	474 (5.30)	458 (9.77)	357 (16.93)
TOT	.	1.34	.	507 (1.55)	503 (1.08)	480 (1.89)	454 (3.83)	365 (4.73)
AVG	.	1.25	.	511 (0.89)	506 (0.59)	481 (1.01)	452 (2.22)	381 (3.38)
HKG	72484	0.21	72334	567 (5.11)	542 (4.28)	483 (6.77)	459 (11.73)	. (.)
IDN	1971476	0.01	1971367	401 (4.13)	399 (3.33)	377 (4.19)	345 (13.54)	339 (5.98)
LVA	33643	0.22	33570	498 (7.54)	492 (3.98)	479 (6.03)	458 (18.23)	401 (18.18)
LIE	338	.	338	525 (10.18)	527 (6.81)	. (.)	. (.)	. (.)
MAC	6546	.	6546	549 (8.08)	521 (3.21)	490 (12.13)	. (.)	. (.)
RUS	2153373	0.02	2152991	498 (5.01)	494 (4.16)	473 (6.80)	474 (14.25)	381 (9.95)
YUG	68596	0.57	68202	444 (4.00)	441 (3.47)	422 (6.28)	409 (12.00)	389 (11.43)
THA	637076	.	637076	445 (5.49)	429 (2.76)	420 (3.75)	407 (12.93)	406 (13.72)
TUN	150875	0.13	150672	400 (3.61)	385 (2.86)	362 (4.51)	367 (6.40)	315 (7.01)
URY	33775	0.15	33724	453 (5.17)	447 (2.93)	419 (6.37)	394 (11.20)	341 (6.80)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I study Mathematics, I try to figure out which concepts I still have not understood properly.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	553 (2.78)	534 (1.84)	494 (3.81)	473 (10.08)	420 (8.99)
AUT	85931	1.08	85003	514 (3.52)	508 (3.46)	490 (5.87)	466 (10.13)	446 (15.76)
BEL	111831	1.79	109825	527 (3.75)	540 (2.09)	516 (5.64)	474 (9.30)	391 (10.99)
CAN	330436	9.70	298375	555 (2.45)	534 (1.78)	502 (2.87)	482 (6.78)	484 (9.04)
CZE	121183	4.09	116221	534 (4.45)	523 (2.97)	499 (6.54)	479 (15.86)	444 (33.71)
DNK	51741	0.65	51406	530 (5.64)	519 (2.42)	509 (4.81)	501 (17.36)	426 (17.91)
FIN	57884	0.07	57845	569 (4.32)	550 (1.83)	529 (3.36)	510 (10.55)	. (.)
FRA	734579	0.87	728167	528 (3.85)	528 (2.64)	492 (6.56)	460 (9.34)	409 (16.84)
DEU	884358	5.57	835070	520 (3.64)	528 (3.47)	501 (6.13)	504 (11.49)	394 (12.22)
GRC	105131	0.13	104991	460 (4.17)	452 (4.23)	419 (6.71)	394 (10.83)	327 (13.59)
HUN	107044	0.06	106984	501 (4.54)	502 (3.09)	501 (5.60)	499 (17.66)	412 (19.64)
ISL	3928	0.63	3903	521 (3.37)	508 (1.57)	486 (4.89)	449 (9.94)	399 (21.22)
IRL	54850	1.03	54285	503 (3.88)	502 (2.36)	493 (3.97)	456 (7.70)	379 (11.30)
ITA	481521	0.22	480483	476 (3.73)	475 (3.04)	428 (10.27)	423 (11.62)	338 (15.78)
JPN	1240054	0.10	1238855	564 (5.36)	556 (4.06)	529 (5.23)	479 (9.77)	. (.)
KOR	533504	.	533504	588 (4.00)	561 (2.89)	513 (4.41)	479 (7.59)	. (.)
LUX	4080	0.08	4077	495 (2.82)	501 (1.93)	480 (4.28)	470 (8.59)	403 (12.08)
MEX	1071650	0.37	1067674	403 (5.05)	390 (4.02)	352 (7.96)	321 (20.22)	293 (7.27)
NLD	184943	3.34	178773	510 (5.78)	530 (2.89)	515 (5.25)	474 (14.86)	449 (11.29)
NZL	48638	1.31	48003	555 (4.15)	536 (2.40)	503 (4.59)	470 (10.52)	. (.)
NOR	52816	0.77	52407	514 (5.19)	501 (2.77)	465 (4.06)	416 (7.86)	407 (13.03)
POL	534900	.	534900	498 (4.66)	490 (2.68)	470 (5.65)	472 (11.81)	362 (25.55)
PRT	96857	0.23	96637	499 (4.55)	473 (3.93)	430 (5.97)	395 (9.49)	420 (21.33)
SVK	77067	0.17	76935	487 (4.22)	496 (3.48)	490 (5.95)	454 (11.45)	414 (32.37)
ESP	344372	0.07	344114	498 (3.27)	491 (2.78)	449 (5.14)	408 (6.41)	376 (15.41)
SWE	107104	0.25	106838	527 (4.03)	512 (2.75)	494 (3.96)	461 (11.39)	419 (14.11)
CHE	86491	0.14	86370	532 (3.09)	523 (3.55)	495 (4.84)	501 (11.63)	407 (14.96)
TUR	481279	0.03	481137	428 (7.12)	417 (6.33)	386 (5.65)	360 (7.32)	313 (6.51)
GBR	698579	3.65	673085	526 (4.96)	514 (2.65)	488 (4.33)	433 (11.06)	429 (12.32)
USA	3147089	0.76	3123066	494 (4.83)	483 (2.86)	456 (5.42)	437 (9.72)	351 (13.01)
TOT	.	1.34	.	499 (1.54)	497 (1.13)	475 (2.03)	451 (3.82)	349 (5.13)
AVG	.	1.25	.	509 (0.90)	506 (0.62)	484 (1.02)	453 (1.86)	380 (3.69)
HKG	72484	0.21	72334	578 (4.56)	551 (4.25)	487 (6.68)	464 (11.47)	. (.)
IDN	1971476	0.01	1971367	362 (4.27)	367 (3.36)	347 (4.81)	305 (12.27)	295 (7.31)
LVA	33643	0.22	33570	495 (6.77)	485 (3.89)	473 (5.90)	453 (14.65)	378 (15.97)
LIE	338	.	338	530 (8.81)	528 (6.48)	. (.)	. (.)	. (.)
MAC	6546	.	6546	549 (6.69)	529 (3.05)	512 (11.72)	. (.)	. (.)
RUS	2153373	0.02	2152991	492 (4.89)	483 (4.72)	462 (6.20)	466 (15.24)	356 (11.88)
YUG	68596	0.57	68202	426 (3.83)	430 (3.35)	416 (5.71)	393 (11.23)	341 (10.18)
THA	637076	.	637076	444 (5.99)	426 (2.79)	409 (3.89)	396 (14.46)	386 (16.06)
TUN	150875	0.13	150672	357 (2.98)	347 (2.50)	318 (5.11)	328 (6.71)	290 (6.09)
URY	33775	0.15	33724	422 (5.06)	420 (3.68)	395 (6.64)	372 (13.60)	306 (7.38)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I think how the Mathematics I have learnt can be used in everyday life.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.37	234726	9.24 (0.38)	44.83 (0.63)	38.21 (0.64)	6.34 (0.31)	1.38 (0.16)
AUT	85931	1.08	85003	11.49 (0.68)	28.67 (0.78)	38.64 (0.94)	19.60 (0.81)	1.60 (0.60)
BEL	111831	1.79	109825	5.92 (0.33)	29.11 (0.69)	47.30 (0.72)	13.91 (0.38)	3.75 (0.49)
CAN	330436	9.70	298375	10.93 (0.34)	40.38 (0.51)	37.84 (0.53)	8.88 (0.27)	1.99 (0.13)
CZE	121183	4.09	116221	15.78 (0.59)	60.20 (0.89)	20.15 (0.65)	2.74 (0.27)	1.14 (0.33)
DNK	51741	0.65	51406	10.18 (0.46)	45.19 (0.78)	37.56 (0.65)	4.62 (0.37)	2.46 (0.27)
FIN	57884	0.07	57845	6.73 (0.32)	43.85 (0.57)	42.78 (0.58)	6.26 (0.32)	0.38 (.)
FRA	734579	0.87	728167	9.68 (0.48)	36.23 (0.75)	39.89 (0.81)	12.40 (0.60)	1.81 (0.27)
DEU	884358	5.57	835070	11.09 (0.47)	30.08 (0.84)	40.56 (0.83)	16.11 (0.58)	2.16 (0.32)
GRC	105131	0.13	104991	20.79 (0.64)	52.99 (0.78)	19.80 (0.67)	4.68 (0.31)	1.74 (0.32)
HUN	107044	0.06	106984	13.30 (0.56)	41.72 (0.83)	35.64 (0.76)	8.47 (0.54)	0.87 (0.12)
ISL	3928	0.63	3903	13.79 (0.75)	42.39 (0.84)	33.74 (0.89)	9.15 (0.47)	0.92 (0.16)
IRL	54850	1.05	54274	8.03 (0.49)	40.07 (0.94)	40.91 (0.97)	9.96 (0.47)	1.04 (0.20)
ITA	481521	0.22	480483	9.41 (0.44)	41.10 (0.82)	39.77 (0.83)	8.45 (0.50)	1.28 (0.20)
JPN	1240054	0.10	1238855	2.71 (0.21)	9.70 (0.56)	49.50 (0.80)	37.37 (0.87)	0.72 (0.22)
KOR	533504	.	533504	5.19 (0.30)	28.74 (0.61)	50.88 (0.69)	14.91 (0.58)	0.28 (.)
LUX	4080	0.08	4077	10.35 (0.50)	29.14 (0.66)	41.31 (0.86)	16.98 (0.57)	2.21 (0.24)
MEX	1071650	0.37	1067674	29.75 (0.83)	52.60 (0.79)	9.20 (0.41)	1.31 (0.14)	7.14 (0.62)
NLD	184943	3.34	178773	2.87 (0.30)	23.93 (0.84)	57.67 (1.02)	13.66 (0.66)	1.87 (0.36)
NZL	48638	1.25	48027	10.80 (0.56)	49.36 (0.88)	34.50 (0.80)	4.78 (0.33)	0.56 (.)
NOR	52816	0.77	52407	11.99 (0.54)	45.20 (0.92)	31.03 (0.78)	8.63 (0.48)	3.16 (0.42)
POL	534900	.	534900	9.80 (0.47)	53.31 (0.74)	31.41 (0.68)	4.19 (0.31)	1.29 (0.25)
PRT	96857	0.23	96637	6.92 (0.41)	44.76 (0.90)	40.34 (0.86)	6.40 (0.60)	1.58 (0.27)
SVK	77067	0.17	76935	12.60 (0.45)	55.00 (0.68)	27.58 (0.75)	3.32 (0.33)	1.50 (0.47)
ESP	344372	0.07	344114	13.82 (0.63)	48.13 (0.74)	29.79 (0.85)	6.47 (0.31)	1.79 (0.20)
SWE	107104	0.25	106838	9.52 (0.52)	50.09 (0.78)	32.05 (0.77)	6.60 (0.38)	1.74 (0.24)
CHE	86491	0.14	86370	11.63 (0.57)	34.48 (0.91)	39.29 (0.90)	12.66 (0.45)	1.95 (0.19)
TUR	481279	0.03	481137	15.08 (0.64)	40.70 (0.93)	28.46 (0.89)	8.20 (0.49)	7.56 (0.94)
GBR	698579	3.65	673085	8.27 (0.38)	43.15 (0.74)	39.98 (0.79)	6.71 (0.37)	1.89 (0.21)
USA	3147089	0.76	3123066	11.61 (0.49)	42.26 (0.80)	36.16 (0.92)	8.12 (0.42)	1.85 (0.25)
TOT	.	1.34	.	11.50 (0.17)	38.52 (0.22)	36.20 (0.32)	11.46 (0.16)	2.32 (0.09)
AVG	.	1.25	.	10.98 (0.10)	40.93 (0.14)	36.38 (0.14)	9.73 (0.08)	1.99 (0.07)
HKG	72484	0.21	72334	6.08 (0.37)	44.33 (0.85)	42.30 (0.83)	6.97 (0.40)	0.32 (.)
IDN	1971476	0.01	1971367	16.27 (0.61)	66.33 (0.80)	12.49 (0.43)	0.73 (0.13)	4.17 (0.53)
LVA	33643	0.22	33570	10.95 (0.63)	59.72 (0.89)	25.37 (0.70)	2.66 (0.29)	1.30 (0.21)
LIE	338	.	338	9.99 (1.38)	33.51 (2.76)	40.32 (2.71)	14.96 (1.96)	1.22 (.)
MAC	6546	.	6546	8.21 (1.10)	45.60 (1.76)	40.15 (1.56)	5.48 (0.68)	0.56 (.)
RUS	2153373	0.02	2152991	10.21 (0.47)	55.55 (0.88)	28.91 (0.80)	2.74 (0.27)	2.59 (0.29)
YUG	68596	0.60	68187	13.93 (0.63)	43.52 (0.97)	28.48 (0.94)	6.76 (0.48)	7.31 (0.86)
THA	637076	.	637076	19.13 (0.96)	70.65 (0.99)	8.85 (0.52)	0.66 (0.13)	0.70 (0.13)
TUN	150875	0.13	150672	29.82 (0.78)	45.35 (0.93)	15.65 (0.64)	4.21 (0.30)	4.97 (0.34)
URY	33775	0.15	33724	15.55 (0.73)	46.39 (0.95)	26.60 (0.75)	5.26 (0.43)	6.20 (0.43)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I think how the Mathematics I have learnt can be used in everyday life.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	510 (4.10)	516 (2.34)	544 (2.28)	534 (7.23)	404 (8.89)
AUT	85931	1.08	85003	471 (6.65)	475 (4.22)	503 (3.61)	519 (4.33)	435 (32.32)
BEL	111831	1.79	109825	476 (7.28)	494 (3.59)	532 (2.41)	532 (4.32)	342 (18.82)
CAN	330436	9.70	298375	525 (3.64)	524 (1.97)	542 (1.82)	535 (3.69)	489 (7.75)
CZE	121183	4.09	116221	502 (4.53)	495 (2.82)	501 (3.85)	481 (8.68)	409 (30.86)
DNK	51741	0.65	51406	491 (5.34)	492 (3.03)	501 (3.24)	484 (8.30)	399 (14.29)
FIN	57884	0.07	57845	538 (5.16)	540 (1.98)	549 (2.06)	539 (5.17)	. (.)
FRA	734579	0.87	728167	474 (5.69)	491 (3.49)	511 (3.01)	506 (4.98)	372 (15.10)
DEU	884358	5.57	835070	479 (5.86)	484 (3.92)	517 (3.64)	527 (4.66)	354 (11.39)
GRC	105131	0.13	104991	466 (5.94)	475 (4.25)	489 (4.88)	467 (8.89)	303 (18.44)
HUN	107044	0.06	106984	485 (5.30)	476 (3.01)	487 (3.08)	496 (5.58)	358 (20.22)
ISL	3928	0.63	3903	482 (5.76)	489 (2.51)	503 (2.94)	495 (5.43)	353 (25.25)
IRL	54850	1.05	54274	484 (6.70)	504 (3.36)	533 (2.86)	528 (4.79)	390 (20.18)
ITA	481521	0.22	480483	455 (6.43)	464 (3.45)	491 (3.39)	499 (5.07)	360 (20.66)
JPN	1240054	0.10	1238855	483 (11.05)	489 (8.20)	502 (4.09)	500 (4.41)	321 (37.88)
KOR	533504	.	533504	547 (5.28)	530 (3.57)	537 (3.22)	532 (4.20)	. (.)
LUX	4080	0.08	4077	459 (5.83)	462 (2.70)	494 (2.41)	504 (3.22)	340 (12.98)
MEX	1071650	0.37	1067674	403 (4.66)	408 (3.64)	420 (7.13)	390 (18.97)	305 (6.92)
NLD	184943	3.34	178773	491 (9.60)	493 (4.44)	526 (2.91)	536 (4.49)	483 (10.39)
NZL	48638	1.25	48027	494 (6.02)	515 (2.69)	544 (2.97)	536 (7.81)	. (.)
NOR	52816	0.77	52407	496 (6.51)	507 (2.87)	509 (4.04)	476 (6.43)	402 (15.26)
POL	534900	.	534900	493 (5.44)	492 (3.06)	510 (3.44)	509 (8.38)	368 (21.33)
PRT	96857	0.23	96637	475 (7.56)	467 (4.82)	491 (3.39)	481 (8.66)	426 (18.71)
SVK	77067	0.17	76935	463 (4.58)	465 (3.33)	485 (3.93)	475 (8.54)	377 (28.52)
ESP	344372	0.07	344114	482 (4.25)	483 (2.83)	489 (3.61)	451 (7.24)	367 (12.80)
SWE	107104	0.25	106838	511 (6.17)	512 (2.96)	526 (3.10)	506 (6.24)	432 (23.87)
CHE	86491	0.14	86370	473 (6.20)	486 (3.37)	514 (3.27)	523 (5.57)	424 (15.11)
TUR	481279	0.03	481137	441 (6.52)	441 (5.98)	460 (6.90)	449 (7.85)	357 (5.79)
GBR	698579	3.65	673085	489 (5.55)	495 (2.91)	523 (3.47)	530 (5.67)	401 (10.28)
USA	3147089	0.76	3123066	477 (6.24)	488 (3.60)	513 (3.03)	513 (7.23)	361 (14.58)
TOT	.	1.34	.	462 (2.54)	479 (1.30)	510 (1.26)	507 (2.14)	352 (4.35)
AVG	.	1.25	.	476 (1.24)	488 (0.75)	513 (0.66)	509 (1.16)	374 (3.35)
HKG	72484	0.21	72334	509 (5.98)	508 (4.14)	516 (4.06)	493 (6.84)	. (.)
IDN	1971476	0.01	1971367	371 (4.41)	387 (3.21)	393 (5.61)	366 (17.19)	305 (8.54)
LVA	33643	0.22	33570	497 (7.40)	488 (3.64)	498 (4.36)	493 (11.22)	413 (15.10)
LIE	338	.	338	480 (19.59)	510 (8.37)	536 (6.51)	563 (13.35)	. (.)
MAC	6546	.	6546	492 (10.65)	495 (3.12)	502 (3.50)	497 (9.37)	. (.)
RUS	2153373	0.02	2152991	458 (6.13)	443 (3.74)	444 (5.04)	446 (11.15)	333 (10.16)
YUG	68596	0.60	68187	403 (5.46)	412 (3.86)	431 (3.93)	430 (6.61)	340 (10.95)
THA	637076	.	637076	427 (4.76)	419 (2.69)	419 (6.50)	414 (18.48)	375 (21.57)
TUN	150875	0.13	150672	379 (4.37)	381 (3.24)	376 (5.28)	364 (7.99)	294 (7.82)
URY	33775	0.15	33724	424 (5.96)	437 (3.75)	455 (4.78)	453 (10.16)	333 (6.97)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I think how the Mathematics I have learnt can be used in everyday life.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	515 (4.31)	518 (2.33)	538 (2.35)	526 (5.86)	422 (8.55)
AUT	85931	1.08	85003	499 (5.86)	499 (3.93)	513 (3.26)	517 (4.25)	449 (17.27)
BEL	111831	1.79	109825	510 (7.17)	522 (3.39)	552 (2.52)	541 (3.59)	379 (17.29)
CAN	330436	9.70	298375	544 (3.24)	532 (1.96)	542 (1.90)	527 (3.63)	499 (7.92)
CZE	121183	4.09	116221	532 (4.58)	521 (3.20)	527 (4.29)	506 (7.51)	436 (31.62)
DNK	51741	0.65	51406	526 (5.46)	515 (3.29)	518 (3.27)	499 (8.80)	436 (13.20)
FIN	57884	0.07	57845	556 (5.17)	545 (2.37)	545 (2.21)	527 (4.52)	. (.)
FRA	734579	0.87	728167	497 (5.33)	511 (3.26)	522 (2.74)	508 (4.34)	423 (14.65)
DEU	884358	5.57	835070	508 (5.75)	504 (3.45)	521 (3.89)	520 (4.85)	394 (10.57)
GRC	105131	0.13	104991	448 (5.19)	446 (3.67)	452 (4.94)	428 (6.84)	338 (14.17)
HUN	107044	0.06	106984	496 (4.61)	487 (3.36)	492 (3.59)	496 (5.73)	396 (18.08)
ISL	3928	0.63	3903	507 (4.56)	514 (2.49)	526 (2.66)	508 (4.91)	413 (20.65)
IRL	54850	1.05	54274	483 (6.82)	498 (3.09)	514 (3.08)	501 (4.93)	390 (15.01)
ITA	481521	0.22	480483	460 (6.54)	460 (3.80)	474 (3.19)	473 (4.88)	379 (16.54)
JPN	1240054	0.10	1238855	531 (11.13)	534 (8.92)	541 (4.29)	529 (4.19)	410 (28.03)
KOR	533504	.	533504	560 (6.28)	538 (3.93)	546 (3.29)	535 (4.53)	. (.)
LUX	4080	0.08	4077	485 (4.68)	482 (2.34)	503 (2.00)	503 (2.92)	413 (9.82)
MEX	1071650	0.37	1067674	389 (3.92)	392 (3.49)	401 (6.22)	360 (13.70)	304 (5.68)
NLD	184943	3.34	178773	526 (10.56)	525 (4.74)	551 (3.10)	553 (4.46)	474 (9.14)
NZL	48638	1.25	48027	505 (5.61)	521 (2.66)	539 (2.42)	525 (7.15)	. (.)
NOR	52816	0.77	52407	493 (5.71)	502 (2.45)	503 (3.57)	468 (4.90)	408 (10.64)
POL	534900	.	534900	499 (5.07)	486 (2.72)	499 (3.20)	490 (7.57)	379 (16.67)
PRT	96857	0.23	96637	478 (7.62)	462 (4.40)	473 (2.98)	454 (7.82)	421 (14.86)
SVK	77067	0.17	76935	495 (4.60)	496 (3.52)	509 (3.83)	491 (9.08)	416 (29.31)
ESP	344372	0.07	344114	489 (4.46)	490 (2.71)	489 (3.17)	455 (5.00)	383 (11.92)
SWE	107104	0.25	106838	511 (6.98)	507 (2.91)	519 (2.99)	499 (6.70)	446 (22.68)
CHE	86491	0.14	86370	514 (6.39)	521 (3.42)	535 (3.78)	537 (5.60)	452 (15.47)
TUR	481279	0.03	481137	425 (7.61)	424 (6.69)	444 (8.04)	434 (7.68)	330 (6.40)
GBR	698579	3.65	673085	499 (5.32)	499 (2.81)	521 (3.31)	524 (5.42)	408 (11.07)
USA	3147089	0.76	3123066	470 (5.93)	479 (3.47)	496 (2.97)	492 (5.79)	376 (12.96)
TOT	.	1.34	.	464 (2.56)	479 (1.29)	511 (1.14)	511 (1.99)	363 (4.32)
AVG	.	1.25	.	487 (1.27)	494 (0.74)	516 (0.65)	509 (1.16)	389 (3.28)
HKG	72484	0.21	72334	567 (7.22)	553 (4.93)	551 (4.93)	519 (8.03)	. (.)
IDN	1971476	0.01	1971367	350 (4.47)	365 (3.87)	374 (6.15)	325 (14.05)	283 (6.27)
LVA	33643	0.22	33570	491 (7.07)	483 (3.97)	485 (4.16)	473 (9.79)	418 (12.82)
LIE	338	.	338	512 (20.75)	528 (10.60)	538 (6.69)	565 (12.64)	. (.)
MAC	6546	.	6546	533 (17.80)	527 (4.34)	526 (4.27)	525 (12.51)	. (.)
RUS	2153373	0.02	2152991	491 (6.23)	470 (4.22)	466 (4.85)	460 (11.03)	382 (8.02)
YUG	68596	0.60	68187	433 (5.53)	437 (3.93)	457 (4.07)	443 (6.89)	363 (8.68)
THA	637076	.	637076	421 (5.03)	417 (3.04)	413 (5.97)	407 (17.91)	386 (19.00)
TUN	150875	0.13	150672	368 (3.50)	362 (3.02)	353 (4.05)	336 (5.52)	307 (6.31)
URY	33775	0.15	33724	418 (5.84)	428 (3.59)	438 (4.21)	422 (7.41)	322 (5.44)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I think how the Mathematics I have learnt can be used in everyday life.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	517 (4.57)	519 (2.26)	538 (2.53)	527 (6.16)	417 (9.22)
AUT	85931	1.08	85003	475 (6.48)	481 (4.24)	499 (3.33)	511 (4.15)	439 (22.88)
BEL	111831	1.79	109825	487 (6.77)	501 (3.50)	530 (2.51)	524 (4.19)	352 (14.96)
CAN	330436	9.70	298375	522 (3.78)	517 (2.21)	532 (2.12)	522 (4.32)	477 (9.06)
CZE	121183	4.09	116221	537 (4.90)	527 (3.12)	534 (4.30)	511 (9.23)	445 (34.20)
DNK	51741	0.65	51406	489 (5.65)	477 (3.37)	478 (3.58)	462 (8.52)	376 (14.97)
FIN	57884	0.07	57845	555 (5.89)	548 (2.42)	550 (2.46)	537 (5.29)	. (.)
FRA	734579	0.87	728167	499 (6.77)	509 (4.14)	524 (3.46)	510 (5.51)	404 (17.75)
DEU	884358	5.57	835070	506 (5.93)	501 (4.12)	522 (4.09)	524 (5.09)	376 (11.03)
GRC	105131	0.13	104991	483 (6.32)	481 (3.78)	492 (4.60)	471 (7.92)	386 (16.27)
HUN	107044	0.06	106984	508 (6.20)	499 (3.36)	506 (3.42)	516 (6.49)	385 (18.18)
ISL	3928	0.63	3903	489 (5.10)	493 (2.54)	504 (3.28)	492 (5.83)	397 (21.26)
IRL	54850	1.05	54274	477 (6.83)	496 (3.58)	520 (3.08)	513 (5.81)	404 (17.85)
ITA	481521	0.22	480483	475 (7.00)	476 (3.98)	499 (3.34)	508 (5.50)	371 (20.75)
JPN	1240054	0.10	1238855	540 (11.06)	545 (8.93)	552 (4.52)	545 (4.58)	428 (31.64)
KOR	533504	.	533504	556 (6.11)	535 (4.29)	540 (3.68)	537 (4.94)	. (.)
LUX	4080	0.08	4077	472 (5.76)	471 (2.74)	494 (2.49)	498 (3.17)	364 (12.91)
MEX	1071650	0.37	1067674	409 (3.78)	410 (3.43)	418 (5.70)	389 (14.88)	336 (7.26)
NLD	184943	3.34	178773	503 (11.36)	506 (5.02)	538 (3.39)	544 (5.04)	456 (12.63)
NZL	48638	1.25	48027	497 (6.03)	516 (2.70)	540 (2.86)	537 (8.33)	. (.)
NOR	52816	0.77	52407	484 (6.36)	491 (3.11)	494 (4.10)	457 (6.16)	389 (11.86)
POL	534900	.	534900	504 (6.32)	493 (3.37)	507 (3.64)	506 (8.80)	400 (15.67)
PRT	96857	0.23	96637	475 (7.76)	459 (4.36)	479 (3.32)	470 (8.34)	407 (15.75)
SVK	77067	0.17	76935	497 (5.64)	492 (3.90)	504 (5.08)	498 (8.91)	399 (24.15)
ESP	344372	0.07	344114	493 (4.57)	492 (2.74)	492 (3.95)	455 (6.93)	361 (15.56)
SWE	107104	0.25	106838	507 (7.39)	504 (3.20)	516 (3.79)	498 (7.49)	428 (24.55)
CHE	86491	0.14	86370	499 (6.96)	506 (3.82)	524 (4.03)	521 (7.44)	457 (15.89)
TUR	481279	0.03	481137	433 (7.36)	432 (6.04)	453 (7.12)	447 (7.81)	365 (5.87)
GBR	698579	3.65	673085	506 (5.98)	508 (3.07)	534 (3.49)	540 (6.04)	396 (10.42)
USA	3147089	0.76	3123066	477 (6.14)	485 (3.62)	506 (2.92)	508 (6.11)	370 (17.68)
TOT	.	1.34	.	472 (2.48)	484 (1.28)	517 (1.16)	522 (2.14)	372 (4.50)
AVG	.	1.25	.	487 (1.37)	493 (0.71)	515 (0.69)	513 (1.25)	388 (3.11)
HKG	72484	0.21	72334	547 (6.65)	539 (4.82)	544 (4.64)	516 (7.64)	. (.)
IDN	1971476	0.01	1971367	390 (3.86)	399 (3.21)	401 (5.11)	375 (14.19)	342 (5.68)
LVA	33643	0.22	33570	496 (7.22)	488 (3.83)	493 (4.86)	482 (12.13)	421 (16.38)
LIE	338	.	338	489 (22.74)	515 (8.90)	532 (8.19)	557 (13.98)	. (.)
MAC	6546	.	6546	531 (15.46)	528 (4.41)	522 (4.39)	511 (12.85)	. (.)
RUS	2153373	0.02	2152991	516 (6.14)	491 (4.22)	487 (4.99)	478 (11.52)	389 (10.28)
YUG	68596	0.60	68187	432 (5.31)	435 (3.58)	451 (4.27)	451 (7.84)	390 (10.93)
THA	637076	.	637076	434 (4.58)	428 (2.64)	428 (5.99)	429 (20.16)	421 (21.65)
TUN	150875	0.13	150672	394 (3.10)	388 (3.09)	383 (4.39)	369 (7.25)	319 (7.48)
URY	33775	0.15	33724	433 (6.06)	443 (3.32)	454 (4.45)	446 (7.30)	345 (6.94)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I think how the Mathematics I have learnt can be used in everyday life.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	521 (4.04)	524 (2.13)	543 (2.23)	532 (6.40)	432 (8.02)
AUT	85931	1.08	85003	497 (5.70)	499 (3.98)	513 (3.12)	522 (4.04)	443 (19.14)
BEL	111831	1.79	109825	505 (7.28)	516 (3.33)	546 (2.36)	536 (3.77)	397 (11.06)
CAN	330436	9.70	298375	539 (3.33)	530 (1.86)	540 (1.85)	525 (3.83)	492 (7.40)
CZE	121183	4.09	116221	532 (4.48)	521 (3.14)	526 (4.06)	505 (7.22)	437 (35.51)
DNK	51741	0.65	51406	523 (5.26)	518 (2.79)	521 (2.97)	507 (8.29)	429 (15.04)
FIN	57884	0.07	57845	553 (5.01)	547 (2.34)	550 (2.33)	539 (5.89)	. (.)
FRA	734579	0.87	728167	503 (5.47)	519 (3.42)	531 (3.11)	517 (4.74)	430 (16.22)
DEU	884358	5.57	835070	512 (5.43)	511 (3.42)	529 (3.68)	530 (4.61)	400 (10.78)
GRC	105131	0.13	104991	450 (5.81)	451 (3.91)	457 (5.06)	429 (7.86)	318 (14.16)
HUN	107044	0.06	106984	504 (4.76)	498 (3.31)	504 (3.62)	506 (6.15)	424 (17.63)
ISL	3928	0.63	3903	498 (4.15)	502 (2.16)	515 (2.66)	504 (5.01)	393 (22.43)
IRL	54850	1.05	54274	476 (6.65)	493 (2.88)	511 (2.88)	498 (4.47)	382 (13.86)
ITA	481521	0.22	480483	457 (6.89)	464 (3.71)	481 (3.30)	477 (5.57)	356 (18.26)
JPN	1240054	0.10	1238855	539 (11.14)	544 (9.34)	553 (4.60)	543 (4.57)	407 (43.98)
KOR	533504	.	533504	565 (5.74)	546 (3.67)	554 (3.28)	545 (4.15)	. (.)
LUX	4080	0.08	4077	482 (5.56)	482 (2.55)	505 (2.34)	505 (3.19)	402 (10.02)
MEX	1071650	0.37	1067674	387 (4.90)	392 (4.14)	403 (6.67)	371 (13.27)	295 (7.74)
NLD	184943	3.34	178773	502 (10.96)	505 (4.74)	532 (3.16)	532 (4.67)	450 (10.92)
NZL	48638	1.25	48027	510 (5.62)	529 (2.50)	550 (2.72)	540 (6.90)	. (.)
NOR	52816	0.77	52407	488 (6.43)	498 (2.70)	498 (3.80)	458 (5.82)	405 (13.03)
POL	534900	.	534900	491 (5.60)	482 (3.03)	497 (3.22)	491 (8.04)	368 (23.26)
PRT	96857	0.23	96637	479 (8.77)	464 (4.80)	479 (3.37)	457 (8.09)	427 (18.06)
SVK	77067	0.17	76935	485 (4.86)	489 (3.60)	504 (3.85)	491 (8.73)	419 (31.59)
ESP	344372	0.07	344114	485 (4.63)	487 (3.21)	487 (3.63)	453 (5.64)	374 (12.92)
SWE	107104	0.25	106838	506 (6.56)	507 (2.82)	519 (2.89)	498 (5.98)	445 (18.71)
CHE	86491	0.14	86370	507 (5.84)	514 (3.29)	532 (3.27)	535 (5.31)	434 (15.69)
TUR	481279	0.03	481137	409 (7.20)	409 (6.10)	427 (6.99)	416 (7.03)	313 (6.25)
GBR	698579	3.65	673085	500 (5.82)	501 (2.75)	523 (3.25)	524 (5.29)	425 (11.65)
USA	3147089	0.76	3123066	463 (6.01)	473 (3.75)	492 (3.00)	488 (5.98)	361 (14.22)
TOT	.	1.34	.	461 (2.65)	478 (1.43)	513 (1.21)	517 (2.16)	356 (4.91)
AVG	.	1.25	.	484 (1.34)	494 (0.75)	517 (0.64)	512 (1.26)	385 (3.39)
HKG	72484	0.21	72334	561 (6.48)	549 (4.70)	550 (4.60)	522 (7.67)	. (.)
IDN	1971476	0.01	1971367	352 (3.87)	366 (3.36)	372 (5.04)	348 (17.04)	297 (6.38)
LVA	33643	0.22	33570	488 (6.75)	482 (4.06)	488 (4.70)	477 (10.43)	401 (13.70)
LIE	338	.	338	504 (18.97)	521 (9.25)	533 (6.99)	558 (13.37)	. (.)
MAC	6546	.	6546	527 (14.63)	533 (3.75)	533 (4.24)	536 (12.13)	. (.)
RUS	2153373	0.02	2152991	498 (6.70)	480 (4.53)	478 (5.61)	475 (9.88)	372 (12.64)
YUG	68596	0.60	68187	413 (5.12)	422 (3.67)	441 (4.02)	429 (6.82)	341 (9.90)
THA	637076	.	637076	432 (4.94)	424 (2.70)	420 (6.35)	410 (17.76)	397 (23.67)
TUN	150875	0.13	150672	352 (3.32)	349 (2.63)	340 (3.60)	327 (7.21)	288 (6.25)
URY	33775	0.15	33724	403 (7.39)	415 (4.34)	429 (4.97)	416 (7.85)	308 (6.92)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I go over some problems in Mathematics so often that I feel as if I could solve them in my sleep.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	6.20	(0.32)	23.65	(0.47)	52.20	(0.61)	16.68	(0.44)	1.28	(0.14)
AUT	85931	1.08	85003	15.86	(0.60)	26.12	(0.57)	37.84	(0.96)	18.51	(0.70)	1.66	(0.60)
BEL	111831	1.79	109825	6.28	(0.30)	21.07	(0.51)	47.91	(0.65)	20.97	(0.51)	3.77	(0.51)
CAN	330436	9.70	298375	8.18	(0.27)	23.54	(0.48)	46.76	(0.53)	19.08	(0.38)	2.43	(0.17)
CZE	121183	4.09	116221	8.88	(0.48)	30.68	(0.58)	48.71	(0.67)	10.56	(0.46)	1.17	(0.35)
DNK	51741	0.65	51406	3.29	(0.27)	15.30	(0.67)	56.84	(0.87)	22.14	(0.80)	2.43	(0.29)
FIN	57884	0.07	57845	3.83	(0.26)	22.31	(0.50)	55.97	(0.72)	17.43	(0.50)	0.46	(.)
FRA	734579	0.87	728167	6.53	(0.43)	18.22	(0.64)	47.68	(0.80)	25.72	(0.76)	1.85	(0.27)
DEU	884358	5.57	835070	14.54	(0.59)	26.20	(0.67)	39.79	(0.81)	17.33	(0.62)	2.14	(0.31)
GRC	105131	0.13	104991	7.69	(0.43)	20.49	(0.68)	49.96	(0.82)	19.78	(0.70)	2.08	(0.31)
HUN	107044	0.06	106984	10.59	(0.51)	33.02	(0.76)	45.16	(0.73)	10.28	(0.52)	0.95	(0.14)
ISL	3928	0.63	3903	7.14	(0.46)	18.25	(0.74)	46.83	(0.97)	26.76	(0.92)	1.02	(0.17)
IRL	54850	1.05	54274	5.75	(0.45)	21.89	(0.71)	53.12	(0.85)	17.97	(0.57)	1.28	(0.20)
ITA	481521	0.22	480483	6.73	(0.36)	22.77	(0.73)	51.21	(0.85)	18.25	(0.66)	1.03	(0.19)
JPN	1240054	0.10	1238855	6.55	(0.35)	14.34	(0.57)	42.90	(0.80)	35.49	(0.76)	0.71	(0.26)
KOR	533504	.	533504	7.17	(0.34)	22.65	(0.66)	47.45	(0.72)	22.46	(0.66)	0.28	(.)
LUX	4080	0.08	4077	14.76	(0.50)	26.18	(0.75)	38.23	(0.70)	18.85	(0.60)	1.98	(0.20)
MEX	1071650	0.37	1067674	9.58	(0.54)	28.36	(0.81)	43.49	(0.94)	10.80	(0.40)	7.78	(0.69)
NLD	184943	3.37	178716	7.58	(0.45)	32.65	(0.83)	44.11	(0.84)	13.70	(0.72)	1.95	(0.37)
NZL	48638	1.28	48015	5.75	(0.36)	24.86	(0.59)	53.23	(0.66)	15.41	(0.62)	0.74	(0.14)
NOR	52816	0.77	52407	8.87	(0.47)	21.67	(0.62)	39.85	(0.82)	26.57	(0.75)	3.04	(0.46)
POL	534900	.	534900	7.75	(0.39)	27.96	(0.65)	50.39	(0.88)	12.59	(0.55)	1.30	(0.22)
PRT	96857	0.23	96637	3.94	(0.28)	22.55	(0.74)	53.72	(0.96)	18.28	(0.68)	1.51	(0.27)
SVK	77067	0.17	76935	18.71	(0.69)	40.89	(0.72)	33.13	(0.87)	6.03	(0.42)	1.25	(0.47)
ESP	344372	0.07	344114	8.14	(0.48)	22.42	(0.60)	50.97	(0.83)	16.65	(0.56)	1.83	(0.18)
SWE	107104	0.25	106838	7.80	(0.54)	24.21	(0.59)	46.41	(0.77)	20.00	(0.68)	1.58	(0.19)
CHE	86491	0.14	86370	9.49	(0.37)	21.76	(0.61)	44.75	(0.68)	22.16	(0.57)	1.85	(0.17)
TUR	481279	0.03	481137	14.31	(0.62)	26.63	(0.90)	38.54	(0.87)	12.54	(0.61)	7.99	(1.03)
GBR	698579	3.65	673085	6.49	(0.38)	23.14	(0.63)	52.56	(0.79)	16.07	(0.62)	1.74	(0.21)
USA	3147089	0.76	3123066	10.64	(0.43)	30.31	(0.64)	42.68	(0.68)	14.75	(0.54)	1.62	(0.27)
TOT	.	1.34	.	9.15	(0.16)	25.16	(0.22)	45.16	(0.25)	18.20	(0.21)	2.33	(0.10)
AVG	.	1.25	.	8.63	(0.08)	24.46	(0.13)	46.75	(0.15)	18.14	(0.12)	2.02	(0.07)
HKG	72484	0.21	72334	5.57	(0.38)	28.50	(0.86)	52.95	(0.94)	12.53	(0.46)	0.44	(.)
IDN	1971476	0.01	1971367	12.61	(0.60)	52.16	(0.90)	29.60	(0.80)	1.25	(0.16)	4.39	(0.50)
LVA	33643	0.22	33570	2.95	(0.37)	15.35	(0.67)	62.74	(0.91)	17.81	(0.74)	1.16	(0.20)
LIE	338	.	338	9.40	(1.67)	26.44	(2.27)	43.43	(2.53)	19.83	(1.96)	0.91	(.)
MAC	6546	.	6546	7.29	(0.89)	28.02	(1.47)	50.28	(1.78)	13.62	(1.16)	0.78	(.)
RUS	2153373	0.02	2152991	5.63	(0.30)	17.91	(0.65)	62.34	(0.83)	11.65	(0.47)	2.46	(0.29)
YUG	68596	0.57	68202	8.73	(0.53)	21.55	(0.74)	44.33	(0.95)	17.53	(0.67)	7.86	(0.86)
THA	637076	.	637076	5.20	(0.47)	42.02	(1.00)	49.66	(1.13)	2.23	(0.25)	0.88	(0.17)
TUN	150875	0.13	150672	16.30	(0.54)	24.33	(0.69)	35.22	(0.74)	19.14	(0.69)	5.01	(0.37)
URY	33775	0.15	33724	14.56	(0.51)	28.43	(0.68)	39.82	(0.88)	11.09	(0.58)	6.10	(0.44)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I go over some problems in Mathematics so often that I feel as if I could solve them in my sleep.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	538 (5.16)	521 (3.72)	529 (2.03)	527 (3.65)	400 (10.63)
AUT	85931	1.08	85003	489 (6.17)	485 (3.94)	496 (4.08)	509 (5.21)	436 (30.75)
BEL	111831	1.79	109825	507 (5.33)	515 (4.16)	520 (2.63)	517 (3.70)	335 (17.79)
CAN	330436	9.70	298375	541 (3.78)	528 (2.61)	534 (1.76)	530 (2.39)	489 (7.70)
CZE	121183	4.09	116221	506 (4.66)	505 (3.13)	496 (3.09)	472 (4.70)	407 (29.20)
DNK	51741	0.65	51406	470 (11.40)	485 (4.56)	499 (2.89)	497 (3.90)	402 (16.64)
FIN	57884	0.07	57845	545 (7.00)	536 (2.81)	546 (1.89)	545 (3.48)	. (.)
FRA	734579	0.87	728167	485 (6.98)	494 (4.16)	505 (3.46)	498 (3.55)	359 (13.83)
DEU	884358	5.57	835070	487 (5.20)	498 (4.58)	508 (3.42)	518 (5.54)	356 (12.76)
GRC	105131	0.13	104991	466 (7.94)	471 (6.06)	479 (3.89)	477 (5.04)	319 (15.60)
HUN	107044	0.06	106984	479 (5.35)	484 (3.18)	481 (3.01)	492 (5.65)	353 (22.09)
ISL	3928	0.63	3903	478 (7.56)	478 (4.29)	499 (2.34)	499 (3.24)	353 (21.81)
IRL	54850	1.05	54274	524 (6.33)	523 (4.10)	517 (2.73)	507 (4.00)	372 (19.19)
ITA	481521	0.22	480483	465 (7.32)	468 (4.50)	482 (2.91)	480 (4.78)	349 (18.11)
JPN	1240054	0.10	1238855	496 (6.84)	507 (5.80)	503 (4.65)	494 (4.20)	304 (42.37)
KOR	533504	.	533504	563 (4.80)	552 (3.75)	530 (3.29)	518 (3.58)	. (.)
LUX	4080	0.08	4077	474 (4.54)	485 (3.54)	488 (2.35)	474 (3.95)	342 (15.30)
MEX	1071650	0.37	1067674	389 (6.13)	396 (4.59)	415 (4.23)	425 (5.10)	308 (6.82)
NLD	184943	3.37	178716	536 (4.88)	531 (3.87)	509 (3.09)	506 (4.63)	486 (9.37)
NZL	48638	1.28	48015	517 (8.29)	516 (3.79)	525 (2.65)	535 (4.70)	435 (19.97)
NOR	52816	0.77	52407	522 (7.81)	506 (4.55)	509 (3.42)	485 (3.50)	404 (14.89)
POL	534900	.	534900	497 (6.56)	496 (3.92)	499 (3.10)	500 (4.68)	384 (23.48)
PRT	96857	0.23	96637	481 (8.60)	471 (6.09)	483 (3.46)	475 (4.37)	425 (18.14)
SVK	77067	0.17	76935	492 (3.82)	478 (3.04)	455 (4.37)	441 (7.83)	371 (34.89)
ESP	344372	0.07	344114	496 (4.71)	487 (4.34)	487 (2.40)	457 (3.72)	375 (14.51)
SWE	107104	0.25	106838	537 (7.14)	516 (4.12)	516 (2.76)	510 (3.72)	406 (19.97)
CHE	86491	0.14	86370	476 (5.78)	490 (4.73)	503 (3.47)	517 (4.54)	414 (16.28)
TUR	481279	0.03	481137	464 (7.07)	454 (7.66)	443 (5.57)	432 (5.61)	360 (5.86)
GBR	698579	3.65	673085	517 (7.68)	507 (3.79)	509 (3.19)	505 (3.83)	401 (12.86)
USA	3147089	0.76	3123066	510 (5.77)	491 (3.92)	500 (2.99)	497 (5.61)	349 (12.85)
TOT	.	1.34	.	491 (2.35)	487 (1.66)	494 (1.25)	494 (1.74)	349 (4.25)
AVG	.	1.25	.	494 (1.35)	495 (0.91)	500 (0.67)	498 (0.88)	373 (3.63)
HKG	72484	0.21	72334	518 (6.93)	520 (3.50)	508 (4.48)	494 (4.91)	. (.)
IDN	1971476	0.01	1971367	363 (3.84)	380 (3.14)	403 (4.58)	411 (16.51)	304 (8.43)
LVA	33643	0.22	33570	491 (15.43)	484 (6.76)	492 (3.67)	498 (4.66)	387 (14.57)
LIE	338	.	338	473 (20.85)	505 (8.67)	526 (6.98)	575 (9.43)	. (.)
MAC	6546	.	6546	506 (10.47)	503 (4.22)	492 (2.78)	505 (7.02)	. (.)
RUS	2153373	0.02	2152991	462 (8.55)	457 (5.07)	441 (3.72)	442 (5.30)	325 (9.81)
YUG	68596	0.57	68202	410 (6.47)	411 (4.90)	422 (3.91)	421 (4.37)	342 (9.78)
THA	637076	.	637076	400 (7.75)	411 (3.21)	430 (3.23)	443 (8.92)	374 (22.99)
TUN	150875	0.13	150672	383 (5.40)	370 (3.82)	381 (3.49)	383 (3.83)	295 (7.74)
URY	33775	0.15	33724	451 (6.77)	440 (5.16)	443 (3.92)	422 (6.16)	331 (8.09)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I go over some problems in Mathematics so often that I feel as if I could solve them in my sleep.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	553 (5.94)	531 (3.27)	526 (2.12)	510 (3.08)	420 (10.95)
AUT	85931	1.08	85003	500 (5.27)	499 (3.13)	510 (3.63)	526 (5.26)	448 (17.08)
BEL	111831	1.79	109825	533 (5.34)	544 (3.81)	543 (2.59)	527 (3.06)	373 (16.07)
CAN	330436	9.70	298375	562 (3.53)	539 (2.81)	537 (1.82)	524 (2.37)	492 (7.50)
CZE	121183	4.09	116221	542 (5.94)	533 (3.32)	520 (3.49)	494 (5.13)	436 (28.71)
DNK	51741	0.65	51406	531 (11.78)	518 (4.93)	520 (2.85)	505 (3.68)	436 (14.59)
FIN	57884	0.07	57845	566 (8.05)	541 (2.68)	547 (2.10)	538 (3.64)	. (.)
FRA	734579	0.87	728167	508 (7.29)	515 (3.96)	520 (3.13)	503 (2.81)	411 (14.34)
DEU	884358	5.57	835070	502 (5.23)	509 (4.49)	517 (2.98)	522 (5.85)	400 (11.07)
GRC	105131	0.13	104991	460 (6.42)	457 (5.59)	448 (4.14)	431 (4.54)	344 (12.30)
HUN	107044	0.06	106984	492 (5.63)	494 (3.43)	487 (3.29)	499 (6.05)	389 (19.80)
ISL	3928	0.63	3903	520 (6.36)	510 (3.80)	520 (2.27)	514 (2.73)	417 (18.83)
IRL	54850	1.05	54274	525 (6.81)	520 (3.73)	504 (2.47)	479 (3.68)	384 (12.85)
ITA	481521	0.22	480483	472 (6.62)	464 (4.48)	469 (3.17)	462 (3.86)	369 (15.96)
JPN	1240054	0.10	1238855	542 (7.21)	550 (6.15)	541 (4.50)	521 (4.10)	400 (29.29)
KOR	533504	.	533504	588 (5.90)	567 (4.17)	538 (3.53)	513 (3.51)	. (.)
LUX	4080	0.08	4077	489 (3.33)	502 (2.70)	497 (2.12)	485 (3.25)	413 (10.54)
MEX	1071650	0.37	1067674	382 (6.26)	384 (3.97)	398 (3.82)	398 (4.61)	307 (5.86)
NLD	184943	3.37	178716	581 (5.62)	566 (4.17)	532 (3.24)	513 (4.89)	477 (8.78)
NZL	48638	1.28	48015	536 (8.23)	527 (3.48)	526 (2.51)	520 (4.47)	440 (20.07)
NOR	52816	0.77	52407	535 (6.35)	515 (3.70)	501 (2.99)	467 (2.85)	417 (9.94)
POL	534900	.	534900	507 (6.68)	499 (3.82)	490 (2.70)	473 (4.61)	397 (18.94)
PRT	96857	0.23	96637	485 (8.44)	471 (5.01)	469 (3.30)	453 (4.62)	421 (13.06)
SVK	77067	0.17	76935	528 (4.09)	510 (2.97)	478 (4.42)	455 (8.19)	413 (33.87)
ESP	344372	0.07	344114	502 (4.18)	496 (4.25)	490 (2.52)	460 (3.49)	386 (11.32)
SWE	107104	0.25	106838	547 (7.26)	520 (3.83)	508 (2.68)	493 (3.58)	415 (16.01)
CHE	86491	0.14	86370	515 (5.58)	519 (3.98)	529 (4.17)	540 (4.23)	441 (15.10)
TUR	481279	0.03	481137	456 (7.85)	443 (8.77)	424 (6.79)	401 (6.05)	334 (5.92)
GBR	698579	3.65	673085	529 (7.81)	518 (3.21)	508 (2.99)	495 (3.65)	408 (13.99)
USA	3147089	0.76	3123066	504 (5.78)	484 (3.68)	485 (3.02)	475 (4.19)	371 (11.84)
TOT	.	1.34	.	499 (2.37)	491 (1.59)	494 (1.09)	490 (1.50)	362 (4.17)
AVG	.	1.25	.	511 (1.32)	507 (0.87)	503 (0.68)	494 (0.82)	389 (3.36)
HKG	72484	0.21	72334	583 (8.74)	572 (4.75)	544 (5.31)	518 (5.41)	. (.)
IDN	1971476	0.01	1971367	338 (3.96)	357 (3.47)	385 (5.40)	395 (17.50)	283 (6.47)
LVA	33643	0.22	33570	504 (14.02)	491 (6.29)	484 (3.77)	478 (4.70)	391 (16.07)
LIE	338	.	338	500 (23.03)	518 (8.52)	532 (7.79)	587 (11.95)	. (.)
MAC	6546	.	6546	557 (17.13)	534 (5.03)	518 (4.56)	533 (9.28)	. (.)
RUS	2153373	0.02	2152991	504 (8.65)	494 (5.18)	463 (3.85)	459 (5.54)	377 (7.60)
YUG	68596	0.57	68202	436 (6.56)	440 (4.81)	449 (3.72)	437 (4.50)	363 (8.03)
THA	637076	.	637076	406 (8.95)	411 (3.53)	424 (3.20)	417 (8.92)	382 (18.10)
TUN	150875	0.13	150672	381 (4.53)	364 (3.51)	360 (3.06)	346 (3.49)	304 (5.44)
URY	33775	0.15	33724	449 (5.55)	433 (4.24)	428 (3.54)	396 (5.52)	318 (6.00)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I go over some problems in Mathematics so often that I feel as if I could solve them in my sleep.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	548 (5.70)	527 (3.72)	527 (2.04)	518 (2.88)	412 (10.02)
AUT	85931	1.08	85003	487 (6.09)	483 (3.40)	496 (3.86)	511 (5.15)	439 (21.79)
BEL	111831	1.79	109825	511 (4.74)	519 (4.05)	521 (2.58)	512 (3.54)	346 (13.99)
CAN	330436	9.70	298375	540 (3.68)	523 (3.15)	525 (2.13)	516 (2.80)	475 (8.82)
CZE	121183	4.09	116221	543 (5.64)	538 (3.54)	527 (3.57)	503 (5.40)	444 (31.31)
DNK	51741	0.65	51406	480 (14.41)	477 (4.81)	480 (3.16)	473 (4.45)	380 (17.09)
FIN	57884	0.07	57845	562 (8.96)	541 (2.81)	551 (2.44)	547 (3.74)	. (.)
FRA	734579	0.87	728167	506 (8.06)	511 (4.93)	519 (3.75)	510 (3.33)	392 (17.51)
DEU	884358	5.57	835070	503 (5.94)	508 (4.46)	518 (3.30)	524 (6.18)	381 (13.01)
GRC	105131	0.13	104991	494 (7.96)	488 (5.42)	483 (3.91)	474 (5.42)	389 (15.25)
HUN	107044	0.06	106984	497 (5.53)	505 (3.58)	501 (3.15)	524 (6.17)	381 (20.79)
ISL	3928	0.63	3903	494 (7.60)	486 (4.34)	500 (2.27)	499 (3.14)	388 (17.65)
IRL	54850	1.05	54274	530 (7.09)	520 (4.19)	505 (2.83)	486 (4.28)	391 (16.63)
ITA	481521	0.22	480483	489 (8.00)	481 (4.74)	490 (3.20)	490 (4.69)	345 (15.76)
JPN	1240054	0.10	1238855	548 (7.93)	560 (6.81)	553 (4.85)	540 (4.11)	409 (34.94)
KOR	533504	.	533504	581 (6.43)	562 (4.54)	532 (3.84)	516 (4.00)	. (.)
LUX	4080	0.08	4077	479 (4.73)	490 (3.56)	488 (2.31)	477 (3.88)	360 (15.41)
MEX	1071650	0.37	1067674	402 (5.69)	403 (4.00)	415 (3.74)	419 (4.77)	339 (6.87)
NLD	184943	3.37	178716	558 (6.33)	550 (4.70)	518 (3.43)	504 (5.44)	456 (13.02)
NZL	48638	1.28	48015	528 (8.04)	518 (3.96)	524 (2.86)	528 (4.48)	443 (22.78)
NOR	52816	0.77	52407	523 (7.60)	501 (4.80)	491 (3.74)	460 (3.43)	388 (11.13)
POL	534900	.	534900	515 (7.03)	505 (3.86)	496 (3.25)	487 (5.04)	421 (17.49)
PRT	96857	0.23	96637	481 (10.40)	469 (5.10)	471 (3.34)	461 (4.72)	404 (16.01)
SVK	77067	0.17	76935	522 (4.54)	505 (3.30)	477 (5.38)	465 (8.25)	394 (27.27)
ESP	344372	0.07	344114	505 (5.08)	495 (4.48)	493 (2.68)	463 (3.96)	364 (15.77)
SWE	107104	0.25	106838	538 (7.55)	512 (4.53)	506 (3.16)	496 (4.37)	404 (20.09)
CHE	86491	0.14	86370	494 (6.74)	503 (4.69)	517 (4.11)	529 (5.18)	447 (15.82)
TUR	481279	0.03	481137	462 (7.33)	449 (7.89)	434 (5.80)	416 (6.00)	367 (5.64)
GBR	698579	3.65	673085	539 (8.65)	525 (3.88)	519 (3.20)	511 (4.25)	397 (12.69)
USA	3147089	0.76	3123066	511 (6.16)	490 (3.92)	494 (3.19)	489 (4.97)	359 (16.13)
TOT	.	1.34	.	504 (2.59)	495 (1.60)	500 (1.19)	502 (1.63)	369 (4.19)
AVG	.	1.25	.	508 (1.46)	504 (0.84)	503 (0.65)	498 (0.80)	387 (3.20)
HKG	72484	0.21	72334	559 (8.01)	555 (4.38)	535 (5.08)	517 (5.66)	. (.)
IDN	1971476	0.01	1971367	383 (3.30)	392 (3.01)	412 (4.76)	426 (14.25)	343 (5.96)
LVA	33643	0.22	33570	502 (17.43)	490 (6.31)	490 (4.00)	489 (4.86)	396 (17.05)
LIE	338	.	338	479 (23.89)	503 (8.56)	524 (9.76)	579 (12.37)	. (.)
MAC	6546	.	6546	550 (15.55)	534 (5.22)	516 (3.80)	528 (9.37)	. (.)
RUS	2153373	0.02	2152991	523 (8.65)	511 (5.68)	486 (3.91)	480 (5.79)	385 (10.41)
YUG	68596	0.57	68202	434 (6.57)	435 (4.62)	444 (3.93)	444 (4.54)	390 (9.88)
THA	637076	.	637076	416 (7.67)	422 (3.16)	436 (3.20)	441 (9.31)	412 (19.64)
TUN	150875	0.13	150672	398 (4.47)	386 (3.65)	386 (3.31)	386 (3.04)	318 (6.68)
URY	33775	0.15	33724	467 (6.91)	447 (4.72)	442 (3.19)	419 (6.23)	344 (6.04)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I go over some problems in Mathematics so often that I feel as if I could solve them in my sleep.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	550 (4.98)	532 (3.26)	532 (1.94)	521 (3.16)	428 (10.10)
AUT	85931	1.08	85003	500 (5.08)	498 (3.16)	511 (3.44)	526 (5.07)	441 (18.13)
BEL	111831	1.79	109825	528 (5.08)	537 (4.02)	537 (2.38)	523 (3.15)	391 (10.55)
CAN	330436	9.70	298375	557 (3.53)	534 (2.81)	535 (1.71)	523 (2.62)	491 (7.51)
CZE	121183	4.09	116221	539 (5.36)	533 (3.15)	521 (3.31)	495 (5.17)	437 (32.89)
DNK	51741	0.65	51406	526 (10.64)	518 (4.26)	522 (2.56)	511 (3.37)	430 (16.59)
FIN	57884	0.07	57845	563 (7.40)	544 (3.00)	550 (2.12)	544 (3.61)	. (.)
FRA	734579	0.87	728167	510 (7.13)	522 (4.25)	529 (3.18)	513 (3.15)	420 (14.93)
DEU	884358	5.57	835070	509 (4.99)	517 (4.27)	525 (3.15)	531 (5.31)	406 (12.46)
GRC	105131	0.13	104991	453 (6.87)	456 (6.16)	453 (4.01)	438 (5.01)	333 (11.06)
HUN	107044	0.06	106984	498 (5.65)	504 (3.61)	499 (3.37)	511 (6.10)	412 (17.74)
ISL	3928	0.63	3903	506 (6.58)	498 (3.77)	509 (2.49)	506 (2.76)	399 (19.13)
IRL	54850	1.05	54274	513 (5.61)	513 (3.71)	500 (2.42)	479 (3.46)	373 (12.76)
ITA	481521	0.22	480483	470 (7.06)	466 (4.53)	475 (3.08)	468 (4.48)	344 (15.46)
JPN	1240054	0.10	1238855	552 (7.48)	562 (6.58)	554 (4.51)	536 (4.30)	391 (51.19)
KOR	533504	.	533504	588 (5.28)	572 (4.07)	546 (3.29)	527 (3.49)	. (.)
LUX	4080	0.08	4077	489 (3.76)	502 (3.39)	498 (2.05)	485 (3.56)	405 (11.69)
MEX	1071650	0.37	1067674	378 (6.88)	382 (4.74)	399 (4.51)	402 (6.29)	298 (7.32)
NLD	184943	3.37	178716	558 (5.79)	544 (4.06)	513 (3.40)	496 (4.92)	452 (10.79)
NZL	48638	1.28	48015	537 (7.80)	534 (3.65)	535 (2.40)	535 (4.71)	457 (20.04)
NOR	52816	0.77	52407	526 (7.61)	507 (4.13)	498 (3.36)	462 (3.15)	412 (12.91)
POL	534900	.	534900	495 (6.87)	490 (3.72)	488 (2.99)	479 (4.44)	384 (25.30)
PRT	96857	0.23	96637	489 (8.23)	472 (5.82)	474 (3.64)	456 (5.05)	426 (17.41)
SVK	77067	0.17	76935	517 (3.83)	503 (3.25)	473 (4.69)	454 (7.59)	419 (36.99)
ESP	344372	0.07	344114	497 (4.52)	490 (4.36)	488 (2.85)	458 (3.97)	381 (12.45)
SWE	107104	0.25	106838	536 (6.72)	515 (3.63)	509 (2.85)	498 (3.84)	426 (15.13)
CHE	86491	0.14	86370	506 (5.49)	513 (3.98)	526 (3.35)	536 (4.56)	422 (14.46)
TUR	481279	0.03	481137	436 (7.37)	426 (7.64)	409 (5.85)	390 (6.04)	317 (6.22)
GBR	698579	3.65	673085	528 (8.13)	517 (3.68)	511 (2.79)	498 (3.83)	425 (14.35)
USA	3147089	0.76	3123066	498 (6.21)	477 (3.88)	480 (3.16)	470 (4.82)	352 (13.04)
TOT	.	1.34	.	496 (2.42)	489 (1.73)	495 (1.17)	495 (1.80)	353 (4.90)
AVG	.	1.25	.	506 (1.26)	504 (0.91)	504 (0.67)	497 (0.91)	384 (3.51)
HKG	72484	0.21	72334	574 (8.49)	564 (4.24)	543 (4.91)	523 (5.35)	. (.)
IDN	1971476	0.01	1971367	339 (3.75)	359 (2.90)	384 (4.77)	396 (14.39)	297 (5.91)
LVA	33643	0.22	33570	494 (15.05)	486 (7.22)	484 (3.76)	481 (5.18)	371 (16.64)
LIE	338	.	338	491 (20.85)	510 (7.57)	529 (7.57)	576 (11.65)	. (.)
MAC	6546	.	6546	547 (13.82)	541 (4.71)	525 (3.75)	537 (9.00)	. (.)
RUS	2153373	0.02	2152991	511 (9.32)	501 (5.70)	475 (4.21)	473 (5.91)	364 (11.79)
YUG	68596	0.57	68202	413 (6.66)	425 (4.83)	432 (3.55)	424 (4.77)	342 (8.90)
THA	637076	.	637076	416 (9.32)	421 (3.19)	430 (2.96)	432 (7.89)	388 (22.59)
TUN	150875	0.13	150672	358 (3.89)	346 (3.11)	347 (2.79)	342 (3.19)	288 (6.27)
URY	33775	0.15	33724	434 (6.51)	421 (4.87)	418 (4.16)	385 (5.55)	304 (7.48)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for Mathematics, I learn as much as I can off by heart.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	10.49	(0.37)	52.74	(0.61)	30.45	(0.43)	4.96	(0.24)	1.36	(0.15)
AUT	85931	1.08	85003	9.08	(0.57)	19.63	(0.60)	40.12	(0.80)	29.24	(1.08)	1.93	(0.60)
BEL	111831	1.79	109825	7.33	(0.37)	27.36	(0.70)	44.95	(0.65)	16.63	(0.54)	3.74	(0.51)
CAN	330436	9.70	298375	10.64	(0.32)	46.01	(0.56)	33.20	(0.51)	8.01	(0.28)	2.14	(0.14)
CZE	121183	4.09	116221	4.60	(0.38)	28.53	(0.76)	52.03	(0.84)	13.67	(0.60)	1.16	(0.35)
DNK	51741	0.65	51406	6.44	(0.45)	37.50	(0.89)	42.07	(0.93)	10.61	(0.49)	3.38	(0.34)
FIN	57884	0.07	57845	5.12	(0.38)	39.04	(0.76)	45.80	(0.74)	9.55	(0.42)	0.49	(.)
FRA	734579	0.87	728167	7.69	(0.37)	28.97	(0.76)	44.93	(0.79)	16.54	(0.71)	1.88	(0.26)
DEU	884358	5.57	835070	9.32	(0.45)	24.32	(0.76)	42.28	(0.81)	22.18	(0.74)	1.90	(0.31)
GRC	105131	0.13	104991	12.38	(0.70)	46.64	(0.89)	29.64	(0.80)	9.25	(0.61)	2.08	(0.32)
HUN	107044	0.06	106984	4.61	(0.30)	24.75	(0.81)	56.23	(0.73)	13.31	(0.56)	1.10	(0.17)
ISL	3928	0.63	3903	12.79	(0.60)	41.94	(0.83)	34.73	(0.76)	9.37	(0.51)	1.16	(0.19)
IRL	54850	1.05	54274	8.46	(0.50)	47.81	(0.91)	35.74	(0.85)	6.75	(0.41)	1.24	(0.22)
ITA	481521	0.22	480483	6.17	(0.39)	25.56	(0.78)	49.32	(0.86)	17.76	(0.59)	1.20	(0.20)
JPN	1240054	0.10	1238855	5.31	(0.34)	21.02	(0.73)	48.65	(0.84)	24.24	(0.78)	0.78	(0.25)
KOR	533504	.	533504	3.51	(0.27)	30.43	(0.73)	50.96	(0.81)	14.80	(0.59)	0.30	(.)
LUX	4080	0.08	4077	7.47	(0.45)	18.93	(0.57)	41.38	(0.75)	30.09	(0.66)	2.13	(0.20)
MEX	1071650	0.37	1067674	19.83	(0.61)	55.52	(0.72)	14.60	(0.61)	2.14	(0.19)	7.91	(0.67)
NLD	184943	3.50	178465	3.47	(0.35)	30.03	(1.04)	54.91	(1.14)	9.21	(0.51)	2.38	(0.38)
NZL	48638	1.35	47983	9.57	(0.48)	55.85	(0.77)	29.50	(0.75)	4.51	(0.34)	0.58	(.)
NOR	52816	0.77	52407	7.66	(0.42)	32.36	(0.81)	40.30	(0.83)	16.21	(0.62)	3.47	(0.50)
POL	534900	.	534900	8.89	(0.51)	51.94	(0.80)	31.46	(0.84)	6.39	(0.42)	1.32	(0.21)
PRT	96857	0.23	96637	7.01	(0.52)	35.60	(1.03)	41.34	(0.97)	14.47	(0.73)	1.58	(0.28)
SVK	77067	0.17	76935	4.91	(0.39)	26.92	(0.72)	53.61	(1.06)	13.13	(0.50)	1.44	(0.47)
ESP	344372	0.07	344114	6.54	(0.30)	32.29	(0.87)	44.35	(0.91)	14.92	(0.48)	1.90	(0.22)
SWE	107104	0.25	106838	9.40	(0.50)	45.29	(0.70)	35.73	(0.77)	7.81	(0.43)	1.78	(0.22)
CHE	86491	0.14	86370	7.12	(0.34)	25.17	(0.65)	44.61	(0.73)	20.83	(0.68)	2.27	(0.23)
TUR	481279	0.03	481137	7.17	(0.57)	20.52	(0.75)	42.14	(0.79)	22.37	(1.03)	7.81	(0.91)
GBR	698579	3.65	673085	8.80	(0.39)	53.34	(0.83)	30.80	(0.75)	5.08	(0.33)	1.99	(0.24)
USA	3147089	0.76	3123066	13.20	(0.56)	52.49	(0.79)	26.68	(0.71)	5.91	(0.36)	1.72	(0.28)
TOT	.	1.34	.	9.94	(0.18)	39.85	(0.23)	35.92	(0.23)	11.89	(0.17)	2.39	(0.11)
AVG	.	1.26	.	8.16	(0.09)	35.93	(0.14)	40.42	(0.15)	13.35	(0.11)	2.14	(0.07)
HKG	72484	0.21	72334	6.16	(0.38)	40.24	(0.86)	43.01	(0.85)	10.23	(0.48)	0.37	(.)
IDN	1971476	0.01	1971367	8.25	(0.40)	41.28	(0.69)	41.86	(0.79)	4.28	(0.33)	4.32	(0.47)
LVA	33643	0.22	33570	3.19	(0.33)	36.16	(1.18)	50.73	(1.10)	8.66	(0.48)	1.26	(0.20)
LIE	338	.	338	5.77	(.)	20.63	(2.22)	47.50	(2.46)	25.20	(2.19)	0.90	(.)
MAC	6546	.	6546	12.45	(1.21)	42.11	(1.56)	35.63	(1.69)	9.18	(0.98)	0.62	(.)
RUS	2153373	0.02	2152991	6.56	(0.36)	42.04	(0.89)	42.46	(0.92)	6.85	(0.37)	2.10	(0.28)
YUG	68596	0.55	68220	6.55	(0.46)	15.75	(0.84)	40.25	(0.89)	29.69	(1.21)	7.76	(0.86)
THA	637076	.	637076	17.64	(0.94)	71.43	(0.95)	9.58	(0.47)	0.62	(0.13)	0.74	(0.14)
TUN	150875	0.13	150672	18.38	(0.74)	29.87	(0.78)	31.53	(0.78)	13.00	(0.53)	7.21	(0.39)
URY	33775	0.15	33724	8.82	(0.40)	30.38	(0.97)	41.48	(0.98)	12.87	(0.53)	6.46	(0.45)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for Mathematics, I learn as much as I can off by heart.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.71)	530 (2.37)	524 (2.92)	505 (5.92)	402 (9.66)
AUT	85931	1.08	85003	448 (6.19)	466 (5.12)	499 (3.31)	523 (4.36)	421 (30.07)
BEL	111831	1.79	109825	484 (5.98)	495 (3.23)	530 (2.79)	532 (3.88)	344 (18.56)
CAN	330436	9.70	298375	539 (2.94)	532 (1.93)	531 (2.14)	527 (3.66)	490 (7.43)
CZE	121183	4.09	116221	470 (7.23)	475 (4.07)	502 (2.73)	532 (4.81)	415 (27.52)
DNK	51741	0.65	51406	495 (7.05)	501 (3.19)	494 (3.18)	479 (5.54)	425 (13.79)
FIN	57884	0.07	57845	543 (5.48)	545 (2.20)	544 (1.80)	536 (4.33)	. (.)
FRA	734579	0.87	728167	468 (5.72)	490 (3.59)	510 (3.19)	506 (4.23)	362 (15.29)
DEU	884358	5.57	835070	463 (7.40)	481 (4.33)	511 (3.60)	533 (3.72)	343 (11.32)
GRC	105131	0.13	104991	463 (5.50)	469 (4.86)	488 (4.18)	487 (7.76)	320 (18.38)
HUN	107044	0.06	106984	448 (6.56)	472 (3.79)	485 (2.76)	511 (5.99)	365 (15.42)
ISL	3928	0.63	3903	479 (5.57)	493 (2.53)	498 (3.06)	499 (5.87)	385 (22.61)
IRL	54850	1.05	54274	499 (6.36)	515 (3.06)	524 (3.33)	510 (6.62)	388 (22.81)
ITA	481521	0.22	480483	441 (7.47)	460 (4.29)	483 (3.00)	498 (3.78)	356 (19.03)
JPN	1240054	0.10	1238855	488 (6.65)	492 (4.85)	508 (4.07)	493 (5.81)	347 (33.00)
KOR	533504	.	533504	517 (7.10)	524 (3.14)	540 (3.22)	544 (5.41)	. (.)
LUX	4080	0.08	4077	435 (5.76)	466 (3.71)	487 (2.84)	498 (2.83)	348 (16.81)
MEX	1071650	0.37	1067674	414 (5.62)	408 (3.74)	400 (5.96)	374 (9.86)	313 (6.91)
NLD	184943	3.50	178465	492 (8.56)	514 (3.68)	520 (3.11)	524 (5.57)	509 (11.38)
NZL	48638	1.35	47983	524 (6.77)	526 (2.66)	523 (3.36)	515 (8.94)	. (.)
NOR	52816	0.77	52407	510 (8.18)	520 (3.77)	502 (2.98)	468 (4.67)	422 (13.61)
POL	534900	.	534900	499 (5.66)	489 (3.14)	508 (3.33)	520 (6.95)	381 (20.71)
PRT	96857	0.23	96637	449 (6.98)	454 (4.63)	496 (3.64)	505 (4.63)	426 (19.66)
SVK	77067	0.17	76935	416 (8.92)	438 (3.91)	483 (2.90)	507 (4.98)	365 (32.18)
ESP	344372	0.07	344114	464 (6.04)	471 (3.29)	496 (2.73)	479 (5.04)	372 (14.79)
SWE	107104	0.25	106838	533 (6.96)	523 (2.65)	509 (2.85)	492 (6.25)	419 (18.94)
CHE	86491	0.14	86370	461 (6.41)	483 (3.62)	506 (3.94)	526 (5.02)	420 (11.51)
TUR	481279	0.03	481137	412 (7.91)	422 (4.70)	456 (5.99)	468 (8.69)	359 (6.02)
GBR	698579	3.65	673085	510 (6.92)	510 (2.77)	509 (3.60)	483 (7.05)	414 (12.08)
USA	3147089	0.76	3123066	495 (5.39)	499 (3.21)	501 (3.77)	480 (6.61)	358 (13.21)
TOT	.	1.34	.	474 (2.52)	485 (1.47)	501 (1.17)	500 (2.02)	355 (4.06)
AVG	.	1.26	.	478 (1.32)	492 (0.77)	504 (0.63)	506 (1.02)	381 (3.40)
HKG	72484	0.21	72334	513 (6.85)	513 (3.54)	509 (4.93)	503 (6.61)	. (.)
IDN	1971476	0.01	1971367	357 (5.30)	375 (2.59)	398 (4.20)	404 (8.04)	309 (10.07)
LVA	33643	0.22	33570	494 (9.95)	478 (4.99)	497 (4.01)	519 (6.86)	400 (14.80)
LIE	338	.	338	. (.)	471 (11.88)	532 (6.27)	569 (8.75)	. (.)
MAC	6546	.	6546	498 (6.55)	497 (3.80)	494 (4.26)	517 (9.89)	. (.)
RUS	2153373	0.02	2152991	421 (6.82)	431 (4.52)	457 (3.61)	474 (8.61)	315 (9.81)
YUG	68596	0.55	68220	375 (6.30)	382 (4.00)	418 (3.56)	446 (4.15)	346 (9.79)
THA	637076	.	637076	436 (4.77)	418 (2.66)	410 (5.92)	394 (15.52)	379 (20.39)
TUN	150875	0.13	150672	372 (4.30)	370 (3.64)	389 (3.54)	393 (5.59)	305 (6.78)
URY	33775	0.15	33724	409 (7.53)	419 (4.84)	456 (3.78)	467 (6.69)	335 (7.35)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for Mathematics, I learn as much as I can off by heart.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	543 (3.91)	530 (2.35)	520 (2.77)	491 (5.81)	418 (9.92)
AUT	85931	1.08	85003	447 (5.15)	475 (3.81)	512 (2.83)	546 (3.99)	437 (17.11)
BEL	111831	1.79	109825	490 (5.42)	509 (2.90)	555 (2.58)	564 (3.94)	383 (16.91)
CAN	330436	9.70	298375	556 (2.92)	536 (1.91)	533 (2.30)	529 (4.01)	497 (6.99)
CZE	121183	4.09	116221	496 (7.91)	499 (4.41)	527 (3.10)	570 (4.49)	443 (27.45)
DNK	51741	0.65	51406	548 (7.54)	530 (3.15)	509 (2.91)	484 (6.11)	453 (12.95)
FIN	57884	0.07	57845	561 (5.99)	546 (2.42)	544 (2.05)	535 (5.30)	. (.)
FRA	734579	0.87	728167	483 (5.42)	503 (3.18)	524 (3.09)	521 (4.25)	409 (13.48)
DEU	884358	5.57	835070	468 (7.43)	488 (4.22)	520 (3.66)	548 (3.66)	390 (10.05)
GRC	105131	0.13	104991	432 (4.26)	437 (3.99)	462 (4.46)	470 (7.79)	349 (13.04)
HUN	107044	0.06	106984	454 (6.83)	475 (3.77)	493 (3.10)	525 (5.71)	403 (14.90)
ISL	3928	0.63	3903	507 (5.45)	519 (2.34)	518 (2.55)	511 (4.86)	428 (18.06)
IRL	54850	1.05	54274	494 (6.05)	501 (2.93)	513 (3.25)	488 (5.76)	388 (15.53)
ITA	481521	0.22	480483	426 (6.85)	447 (3.57)	472 (3.69)	493 (3.59)	390 (12.21)
JPN	1240054	0.10	1238855	512 (6.43)	521 (4.39)	545 (4.36)	533 (5.71)	431 (25.11)
KOR	533504	.	533504	516 (6.50)	520 (3.34)	552 (3.52)	564 (5.35)	. (.)
LUX	4080	0.08	4077	445 (4.62)	474 (3.31)	497 (2.13)	517 (2.38)	420 (11.73)
MEX	1071650	0.37	1067674	402 (5.23)	393 (3.32)	378 (5.17)	351 (9.69)	309 (5.89)
NLD	184943	3.50	178465	523 (9.18)	539 (3.93)	548 (3.22)	541 (6.31)	508 (11.42)
NZL	48638	1.35	47983	537 (6.47)	527 (2.48)	523 (2.81)	504 (9.01)	. (.)
NOR	52816	0.77	52407	529 (7.35)	522 (3.18)	492 (2.66)	448 (3.50)	428 (10.35)
POL	534900	.	534900	498 (5.27)	482 (2.87)	499 (2.92)	520 (6.79)	396 (16.48)
PRT	96857	0.23	96637	446 (6.32)	445 (3.84)	481 (3.30)	492 (5.07)	417 (16.98)
SVK	77067	0.17	76935	441 (9.46)	467 (4.16)	510 (3.05)	543 (5.32)	409 (30.94)
ESP	344372	0.07	344114	469 (5.54)	475 (2.81)	498 (2.56)	488 (4.46)	392 (13.11)
SWE	107104	0.25	106838	548 (6.77)	521 (2.76)	497 (2.82)	469 (5.43)	429 (16.40)
CHE	86491	0.14	86370	487 (5.64)	505 (3.72)	531 (3.81)	563 (5.67)	456 (11.55)
TUR	481279	0.03	481137	383 (8.70)	397 (4.98)	439 (7.13)	460 (9.84)	338 (5.58)
GBR	698579	3.65	673085	521 (6.64)	512 (2.54)	507 (3.46)	477 (6.92)	420 (12.71)
USA	3147089	0.76	3123066	484 (5.13)	486 (3.03)	487 (3.42)	469 (6.14)	376 (11.95)
TOT	.	1.34	.	471 (2.47)	481 (1.28)	506 (1.14)	512 (1.95)	367 (3.86)
AVG	.	1.26	.	484 (1.46)	494 (0.72)	510 (0.64)	517 (1.02)	397 (3.05)
HKG	72484	0.21	72334	557 (7.27)	553 (4.25)	550 (6.01)	542 (8.20)	. (.)
IDN	1971476	0.01	1971367	331 (4.98)	351 (3.01)	379 (5.22)	386 (10.69)	287 (6.70)
LVA	33643	0.22	33570	491 (12.25)	471 (5.11)	489 (3.64)	513 (7.14)	401 (14.33)
LIE	338	.	338	. (.)	475 (11.43)	537 (7.43)	595 (9.89)	. (.)
MAC	6546	.	6546	515 (8.39)	521 (4.83)	532 (5.46)	557 (12.11)	. (.)
RUS	2153373	0.02	2152991	446 (7.19)	457 (4.44)	482 (4.24)	503 (7.91)	374 (8.46)
YUG	68596	0.55	68220	388 (5.75)	401 (3.15)	444 (3.74)	477 (4.38)	368 (8.17)
THA	637076	.	637076	430 (4.82)	416 (3.07)	405 (5.17)	379 (14.22)	379 (18.49)
TUN	150875	0.13	150672	363 (3.26)	358 (3.15)	365 (3.59)	366 (5.59)	311 (4.53)
URY	33775	0.15	33724	403 (5.95)	410 (3.78)	441 (3.38)	452 (6.46)	323 (5.36)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for Mathematics, I learn as much as I can off by heart.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	541 (4.08)	529 (2.41)	522 (2.75)	499 (6.11)	412 (10.58)
AUT	85931	1.08	85003	439 (5.02)	462 (4.65)	498 (3.12)	527 (4.02)	426 (22.44)
BEL	111831	1.79	109825	481 (5.34)	493 (2.91)	532 (2.77)	537 (4.21)	354 (14.78)
CAN	330436	9.70	298375	535 (3.07)	523 (2.14)	522 (2.69)	518 (4.39)	478 (8.10)
CZE	121183	4.09	116221	497 (7.97)	504 (4.46)	534 (2.93)	574 (5.56)	450 (30.59)
DNK	51741	0.65	51406	503 (7.97)	490 (3.74)	472 (2.97)	452 (6.85)	395 (14.07)
FIN	57884	0.07	57845	559 (6.24)	550 (2.76)	548 (2.11)	540 (5.17)	. (.)
FRA	734579	0.87	728167	484 (6.79)	501 (4.70)	525 (3.51)	525 (4.57)	390 (17.21)
DEU	884358	5.57	835070	469 (7.54)	489 (4.71)	519 (3.92)	549 (4.05)	369 (12.13)
GRC	105131	0.13	104991	468 (5.17)	474 (4.38)	497 (4.46)	504 (7.16)	398 (15.41)
HUN	107044	0.06	106984	467 (7.49)	488 (4.35)	506 (2.87)	542 (6.48)	395 (13.62)
ISL	3928	0.63	3903	481 (5.39)	496 (2.56)	500 (2.78)	502 (5.52)	420 (18.63)
IRL	54850	1.05	54274	495 (7.10)	504 (3.20)	514 (3.31)	494 (6.27)	401 (19.59)
ITA	481521	0.22	480483	454 (7.63)	469 (4.35)	493 (3.47)	513 (4.33)	376 (18.41)
JPN	1240054	0.10	1238855	528 (6.89)	537 (5.14)	557 (4.44)	545 (5.96)	448 (29.22)
KOR	533504	.	533504	521 (8.70)	521 (3.63)	545 (3.93)	556 (5.90)	. (.)
LUX	4080	0.08	4077	433 (6.06)	464 (3.77)	488 (2.50)	508 (2.99)	370 (17.75)
MEX	1071650	0.37	1067674	419 (5.12)	411 (3.21)	400 (5.58)	376 (8.38)	341 (8.06)
NLD	184943	3.50	178465	502 (11.00)	524 (4.19)	533 (3.69)	532 (6.54)	491 (13.91)
NZL	48638	1.35	47983	526 (6.70)	523 (2.64)	524 (3.47)	516 (8.14)	. (.)
NOR	52816	0.77	52407	517 (8.10)	509 (3.65)	483 (3.23)	441 (4.48)	406 (11.31)
POL	534900	.	534900	509 (6.04)	488 (3.01)	508 (3.60)	528 (8.10)	422 (13.52)
PRT	96857	0.23	96637	446 (6.96)	446 (4.22)	484 (3.59)	495 (5.01)	404 (18.98)
SVK	77067	0.17	76935	438 (10.08)	463 (4.34)	508 (3.63)	543 (5.07)	380 (27.85)
ESP	344372	0.07	344114	472 (5.89)	478 (3.28)	501 (2.78)	489 (4.60)	373 (17.06)
SWE	107104	0.25	106838	534 (6.97)	518 (3.00)	496 (3.54)	474 (8.13)	421 (18.26)
CHE	86491	0.14	86370	471 (8.88)	490 (4.15)	519 (3.90)	549 (6.16)	460 (11.25)
TUR	481279	0.03	481137	402 (8.29)	408 (4.50)	448 (6.53)	464 (8.95)	370 (6.04)
GBR	698579	3.65	673085	526 (6.87)	522 (2.85)	520 (3.80)	493 (7.55)	408 (12.38)
USA	3147089	0.76	3123066	494 (5.45)	494 (3.35)	497 (3.59)	482 (6.45)	360 (15.45)
TOT	.	1.34	.	480 (2.57)	488 (1.42)	511 (1.19)	518 (1.96)	374 (3.95)
AVG	.	1.26	.	484 (1.39)	494 (0.71)	510 (0.65)	516 (1.01)	394 (2.98)
HKG	72484	0.21	72334	544 (7.08)	541 (4.00)	540 (5.70)	532 (7.42)	. (.)
IDN	1971476	0.01	1971367	379 (4.11)	389 (2.52)	408 (4.22)	412 (8.79)	347 (6.83)
LVA	33643	0.22	33570	497 (13.67)	476 (4.50)	495 (4.05)	519 (7.38)	409 (14.02)
LIE	338	.	338	. (.)	466 (11.59)	530 (7.41)	582 (10.06)	. (.)
MAC	6546	.	6546	515 (8.37)	523 (4.62)	527 (5.45)	542 (13.72)	. (.)
RUS	2153373	0.02	2152991	467 (7.23)	478 (4.68)	504 (4.20)	520 (8.31)	383 (10.81)
YUG	68596	0.55	68220	393 (5.69)	407 (3.55)	438 (4.14)	472 (4.46)	393 (10.22)
THA	637076	.	637076	442 (4.37)	427 (2.66)	422 (5.37)	414 (15.84)	414 (20.28)
TUN	150875	0.13	150672	386 (3.72)	381 (3.21)	392 (3.68)	403 (5.59)	331 (6.26)
URY	33775	0.15	33724	421 (6.14)	426 (4.14)	455 (3.38)	473 (6.97)	346 (6.15)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study for Mathematics, I learn as much as I can off by heart.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	544 (3.45)	534 (2.35)	527 (2.47)	502 (5.78)	426 (9.31)
AUT	85931	1.08	85003	452 (4.59)	477 (3.95)	512 (2.87)	545 (3.96)	431 (19.35)
BEL	111831	1.79	109825	490 (5.52)	506 (2.68)	548 (2.48)	556 (3.94)	401 (11.28)
CAN	330436	9.70	298375	550 (3.29)	534 (1.89)	532 (2.20)	525 (3.93)	495 (6.53)
CZE	121183	4.09	116221	496 (8.03)	501 (4.44)	527 (2.85)	565 (4.63)	443 (32.29)
DNK	51741	0.65	51406	545 (6.77)	532 (3.14)	512 (2.57)	492 (5.64)	450 (13.75)
FIN	57884	0.07	57845	562 (5.94)	549 (2.42)	547 (2.21)	540 (5.01)	. (.)
FRA	734579	0.87	728167	490 (5.12)	510 (3.43)	533 (3.28)	529 (4.21)	419 (13.71)
DEU	884358	5.57	835070	479 (6.55)	499 (4.38)	527 (3.59)	553 (3.51)	395 (10.76)
GRC	105131	0.13	104991	431 (4.84)	442 (4.39)	468 (4.47)	470 (8.95)	333 (12.78)
HUN	107044	0.06	106984	461 (6.47)	487 (4.16)	504 (3.05)	536 (6.07)	424 (14.01)
ISL	3928	0.63	3903	498 (5.04)	508 (2.07)	508 (2.85)	502 (5.14)	417 (19.51)
IRL	54850	1.05	54274	486 (5.58)	498 (2.70)	507 (3.20)	487 (5.21)	385 (17.01)
ITA	481521	0.22	480483	427 (7.98)	449 (3.85)	478 (3.35)	499 (3.78)	350 (15.34)
JPN	1240054	0.10	1238855	525 (6.79)	533 (4.67)	559 (4.33)	545 (5.97)	422 (40.29)
KOR	533504	.	533504	528 (5.96)	533 (3.14)	559 (3.26)	567 (5.14)	. (.)
LUX	4080	0.08	4077	446 (5.16)	477 (3.48)	498 (2.34)	516 (2.81)	411 (13.06)
MEX	1071650	0.37	1067674	400 (6.21)	393 (4.02)	380 (6.05)	351 (10.80)	301 (7.01)
NLD	184943	3.50	178465	504 (9.66)	521 (4.09)	528 (3.33)	520 (6.20)	482 (12.97)
NZL	48638	1.35	47983	541 (6.17)	536 (2.41)	533 (3.03)	520 (8.43)	. (.)
NOR	52816	0.77	52407	519 (8.19)	516 (3.81)	490 (2.85)	441 (4.12)	424 (11.81)
POL	534900	.	534900	490 (5.66)	479 (2.76)	496 (3.40)	519 (6.99)	379 (22.94)
PRT	96857	0.23	96637	449 (7.71)	450 (4.58)	485 (3.70)	492 (5.42)	427 (20.12)
SVK	77067	0.17	76935	430 (8.85)	460 (3.88)	505 (3.14)	536 (5.54)	408 (35.37)
ESP	344372	0.07	344114	463 (5.82)	472 (3.16)	497 (2.86)	483 (4.89)	380 (13.44)
SWE	107104	0.25	106838	539 (6.59)	519 (2.82)	500 (2.63)	475 (5.61)	442 (15.42)
CHE	86491	0.14	86370	484 (5.38)	501 (3.68)	527 (3.32)	555 (5.25)	435 (10.92)
TUR	481279	0.03	481137	374 (8.02)	385 (4.81)	423 (6.27)	440 (8.54)	319 (6.50)
GBR	698579	3.65	673085	520 (6.69)	514 (2.72)	509 (3.35)	480 (7.19)	436 (12.83)
USA	3147089	0.76	3123066	478 (5.26)	481 (3.03)	482 (3.74)	461 (6.54)	357 (12.29)
TOT	.	1.34	.	470 (2.56)	481 (1.35)	507 (1.19)	514 (2.04)	358 (4.43)
AVG	.	1.26	.	482 (1.48)	494 (0.76)	511 (0.62)	516 (1.03)	392 (3.21)
HKG	72484	0.21	72334	551 (6.83)	549 (4.09)	549 (5.57)	545 (7.57)	. (.)
IDN	1971476	0.01	1971367	335 (4.02)	355 (2.58)	377 (4.42)	387 (9.20)	299 (6.37)
LVA	33643	0.22	33570	489 (11.81)	469 (5.39)	489 (3.90)	516 (7.25)	392 (13.53)
LIE	338	.	338	. (.)	475 (11.30)	533 (6.67)	583 (9.40)	. (.)
MAC	6546	.	6546	516 (8.44)	531 (4.18)	534 (4.85)	556 (9.00)	. (.)
RUS	2153373	0.02	2152991	457 (7.66)	467 (5.11)	494 (4.36)	514 (8.02)	360 (12.57)
YUG	68596	0.55	68220	376 (5.37)	390 (4.19)	428 (3.38)	456 (4.03)	346 (9.17)
THA	637076	.	637076	442 (4.94)	423 (2.66)	409 (5.36)	390 (14.02)	396 (22.86)
TUN	150875	0.13	150672	346 (3.18)	343 (2.62)	353 (2.96)	356 (4.76)	295 (4.69)
URY	33775	0.15	33724	389 (7.33)	396 (4.71)	432 (3.58)	443 (6.91)	310 (7.56)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I try to understand new concepts in Mathematics by relating them to things I already know.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	8.97	(0.33)	55.36	(0.60)	30.16	(0.50)	4.16	(0.31)	1.35	(0.16)
AUT	85931	1.08	85003	18.06	(0.66)	40.98	(0.78)	29.60	(0.84)	9.47	(0.55)	1.89	(0.60)
BEL	111831	1.79	109825	7.79	(0.32)	48.42	(0.63)	31.34	(0.52)	8.67	(0.36)	3.77	(0.51)
CAN	330436	9.70	298375	11.77	(0.37)	50.72	(0.49)	29.93	(0.46)	5.67	(0.25)	1.91	(0.15)
CZE	121183	4.09	116221	10.15	(0.42)	64.65	(0.83)	22.02	(0.72)	1.99	(0.22)	1.19	(0.34)
DNK	51741	0.65	51406	9.47	(0.42)	54.06	(0.81)	29.13	(0.75)	4.25	(0.29)	3.09	(0.33)
FIN	57884	0.07	57845	7.23	(0.33)	54.31	(0.73)	32.67	(0.67)	5.15	(0.35)	0.64	(0.10)
FRA	734579	0.87	728167	9.51	(0.43)	41.53	(0.79)	33.39	(0.77)	13.12	(0.59)	2.44	(0.30)
DEU	884358	5.57	835070	14.48	(0.55)	40.44	(0.80)	32.71	(0.71)	10.03	(0.51)	2.34	(0.37)
GRC	105131	0.13	104991	15.51	(0.66)	54.44	(0.89)	22.74	(0.73)	5.32	(0.36)	1.99	(0.31)
HUN	107044	0.06	106984	10.06	(0.47)	54.28	(0.71)	30.58	(0.71)	4.24	(0.32)	0.84	(0.13)
ISL	3928	0.63	3903	15.11	(0.63)	48.93	(0.89)	28.29	(0.84)	6.63	(0.36)	1.05	(0.18)
IRL	54850	1.05	54274	8.41	(0.47)	50.40	(0.87)	34.51	(0.81)	5.26	(0.36)	1.42	(0.23)
ITA	481521	0.22	480483	10.40	(0.55)	52.76	(0.75)	29.72	(0.64)	6.14	(0.39)	0.97	(0.18)
JPN	1240054	0.10	1238855	8.46	(0.48)	42.97	(0.81)	34.70	(0.85)	13.10	(0.63)	0.78	(0.27)
KOR	533504	.	533504	7.36	(0.41)	47.50	(0.81)	36.57	(0.76)	8.31	(0.44)	0.25	(.)
LUX	4080	0.08	4077	9.86	(0.48)	32.66	(0.68)	39.44	(0.91)	15.24	(0.51)	2.80	(0.25)
MEX	1071650	0.37	1067674	20.87	(0.76)	56.89	(0.75)	13.37	(0.43)	1.42	(0.17)	7.45	(0.71)
NLD	184943	3.34	178773	4.78	(0.42)	50.61	(1.09)	36.85	(0.96)	5.95	(0.44)	1.81	(0.39)
NZL	48638	1.30	48004	9.72	(0.47)	56.38	(0.85)	29.68	(0.83)	3.24	(0.27)	0.98	(0.15)
NOR	52816	0.77	52407	9.75	(0.51)	46.44	(0.85)	30.96	(0.86)	9.43	(0.48)	3.42	(0.50)
POL	534900	.	534900	12.07	(0.46)	66.59	(0.83)	17.80	(0.57)	2.37	(0.25)	1.17	(0.20)
PRT	96857	0.23	96637	9.45	(0.62)	62.13	(0.82)	22.68	(0.59)	4.21	(0.35)	1.53	(0.27)
SVK	77067	0.17	76935	12.25	(0.43)	66.79	(0.78)	17.73	(0.72)	1.82	(0.20)	1.41	(0.47)
ESP	344372	0.07	344114	10.22	(0.49)	51.31	(0.83)	30.30	(0.69)	6.35	(0.40)	1.82	(0.20)
SWE	107104	0.25	106838	10.01	(0.70)	52.38	(0.80)	30.44	(0.89)	5.24	(0.35)	1.92	(0.25)
CHE	86491	0.14	86370	15.12	(0.64)	49.38	(0.66)	26.64	(0.53)	6.85	(0.39)	2.01	(0.20)
TUR	481279	0.03	481137	14.44	(0.79)	50.90	(1.03)	20.51	(0.72)	5.43	(0.43)	8.72	(0.94)
GBR	698579	3.65	673085	8.59	(0.37)	57.35	(0.81)	28.92	(0.76)	3.31	(0.27)	1.84	(0.26)
USA	3147089	0.76	3123066	13.54	(0.55)	54.98	(0.81)	24.92	(0.58)	4.80	(0.32)	1.75	(0.25)
TOT	.	1.34	.	12.18	(0.19)	51.78	(0.24)	27.22	(0.21)	6.41	(0.13)	2.41	(0.10)
AVG	.	1.25	.	11.12	(0.09)	51.89	(0.14)	28.59	(0.13)	6.24	(0.07)	2.15	(0.07)
HKG	72484	0.21	72334	7.41	(0.44)	55.41	(0.79)	32.07	(0.89)	4.78	(0.38)	0.33	(.)
IDN	1971476	0.01	1971367	10.42	(0.46)	67.54	(0.68)	16.64	(0.57)	0.86	(0.14)	4.53	(0.51)
LVA	33643	0.22	33570	7.65	(0.57)	66.63	(1.13)	21.54	(0.84)	2.74	(0.30)	1.43	(0.22)
LIE	338	.	338	17.41	(1.95)	51.32	(2.84)	24.67	(2.44)	5.39	(.)	1.21	(.)
MAC	6546	.	6546	10.79	(1.13)	53.86	(1.69)	31.51	(1.41)	3.53	(0.65)	0.31	(.)
RUS	2153373	0.02	2152991	10.57	(0.48)	56.23	(0.75)	27.29	(0.78)	3.65	(0.36)	2.26	(0.27)
YUG	68596	0.57	68202	20.35	(0.80)	52.02	(1.00)	15.56	(0.58)	4.58	(0.34)	7.48	(0.85)
THA	637076	.	637076	10.21	(0.49)	69.70	(0.62)	18.46	(0.58)	0.81	(0.11)	0.82	(0.13)
TUN	150875	0.13	150672	28.21	(0.79)	45.75	(0.85)	15.93	(0.61)	5.10	(0.35)	5.00	(0.37)
URY	33775	0.15	33724	14.34	(0.57)	53.04	(0.88)	22.36	(0.62)	3.56	(0.27)	6.71	(0.43)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I try to understand new concepts in Mathematics by relating them to things I already know.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	538 (3.99)	524 (2.14)	532 (2.81)	513 (5.98)	395 (9.71)
AUT	85931	1.08	85003	499 (5.33)	500 (4.16)	486 (3.65)	487 (5.74)	439 (24.87)
BEL	111831	1.79	109825	508 (5.61)	524 (2.93)	514 (2.73)	496 (6.63)	345 (18.80)
CAN	330436	9.70	298375	541 (2.90)	532 (1.91)	533 (1.81)	515 (5.04)	491 (7.29)
CZE	121183	4.09	116221	504 (5.40)	505 (2.96)	474 (3.53)	467 (9.86)	409 (28.75)
DNK	51741	0.65	51406	505 (5.93)	501 (2.98)	487 (3.40)	471 (7.78)	401 (12.69)
FIN	57884	0.07	57845	563 (5.32)	549 (1.95)	534 (2.12)	520 (5.26)	473 (21.37)
FRA	734579	0.87	728167	493 (5.99)	500 (3.48)	504 (3.42)	499 (4.77)	372 (12.10)
DEU	884358	5.57	835070	499 (5.48)	507 (3.98)	504 (3.95)	500 (5.85)	361 (11.72)
GRC	105131	0.13	104991	483 (5.60)	481 (4.24)	464 (4.03)	448 (8.78)	322 (17.89)
HUN	107044	0.06	106984	489 (5.64)	487 (2.81)	477 (3.00)	466 (8.37)	354 (22.46)
ISL	3928	0.63	3903	502 (4.20)	500 (2.65)	483 (3.48)	474 (6.73)	363 (23.51)
IRL	54850	1.05	54274	516 (6.42)	513 (3.16)	525 (3.07)	510 (6.30)	382 (19.26)
ITA	481521	0.22	480483	465 (7.19)	479 (3.23)	479 (3.49)	473 (5.87)	341 (19.58)
JPN	1240054	0.10	1238855	514 (6.67)	515 (4.26)	493 (4.24)	458 (7.32)	324 (34.17)
KOR	533504	.	533504	575 (4.71)	550 (3.12)	517 (3.51)	494 (5.11)	. (.)
LUX	4080	0.08	4077	464 (6.26)	478 (2.91)	489 (3.03)	489 (4.43)	368 (12.45)
MEX	1071650	0.37	1067674	414 (5.55)	406 (3.51)	405 (6.27)	390 (9.24)	305 (7.21)
NLD	184943	3.34	178773	520 (7.39)	526 (2.91)	512 (3.59)	491 (7.48)	488 (11.16)
NZL	48638	1.30	48004	527 (6.81)	521 (2.45)	532 (3.67)	510 (9.51)	432 (14.20)
NOR	52816	0.77	52407	512 (5.92)	514 (3.57)	499 (3.40)	457 (5.90)	411 (13.28)
POL	534900	.	534900	511 (4.91)	502 (2.99)	482 (4.23)	465 (11.57)	352 (19.96)
PRT	96857	0.23	96637	489 (7.00)	481 (3.89)	474 (4.77)	446 (7.78)	430 (16.47)
SVK	77067	0.17	76935	473 (6.40)	475 (3.06)	460 (5.15)	409 (12.98)	378 (30.89)
ESP	344372	0.07	344114	485 (5.06)	492 (2.77)	478 (3.46)	428 (5.92)	368 (14.93)
SWE	107104	0.25	106838	535 (7.10)	521 (2.90)	508 (2.76)	484 (8.11)	422 (18.79)
CHE	86491	0.14	86370	502 (4.78)	505 (4.02)	495 (3.43)	492 (8.84)	417 (12.70)
TUR	481279	0.03	481137	451 (8.29)	456 (6.48)	436 (5.72)	412 (7.86)	366 (5.40)
GBR	698579	3.65	673085	513 (5.92)	508 (2.79)	510 (3.55)	487 (7.58)	405 (12.44)
USA	3147089	0.76	3123066	497 (6.55)	496 (3.16)	506 (3.66)	483 (8.06)	373 (17.29)
TOT	.	1.34	.	487 (2.33)	493 (1.21)	496 (1.31)	477 (2.72)	356 (4.90)
AVG	.	1.25	.	497 (1.16)	501 (0.73)	497 (0.68)	479 (1.28)	378 (3.32)
HKG	72484	0.21	72334	526 (6.30)	519 (3.01)	498 (5.70)	458 (8.65)	. (.)
IDN	1971476	0.01	1971367	374 (5.08)	388 (3.31)	381 (4.75)	369 (14.64)	309 (8.68)
LVA	33643	0.22	33570	503 (7.39)	495 (4.03)	480 (4.04)	472 (12.56)	414 (18.18)
LIE	338	.	338	523 (12.88)	522 (6.68)	535 (8.77)	. (.)	. (.)
MAC	6546	.	6546	508 (7.16)	500 (2.73)	493 (4.24)	477 (16.56)	. (.)
RUS	2153373	0.02	2152991	460 (6.62)	444 (4.01)	441 (4.34)	447 (9.26)	323 (9.49)
YUG	68596	0.57	68202	423 (5.49)	421 (3.50)	407 (3.87)	403 (7.36)	341 (10.53)
THA	637076	.	637076	430 (5.39)	419 (2.78)	421 (4.08)	372 (14.72)	375 (19.47)
TUN	150875	0.13	150672	386 (4.48)	381 (3.07)	366 (3.94)	360 (7.41)	293 (8.32)
URY	33775	0.15	33724	447 (6.49)	443 (3.87)	440 (4.70)	410 (11.98)	333 (8.05)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I try to understand new concepts in Mathematics by relating them to things I already know.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	546 (4.84)	526 (2.03)	525 (3.04)	495 (5.14)	413 (9.87)
AUT	85931	1.08	85003	520 (5.07)	516 (3.50)	495 (3.48)	493 (5.43)	458 (11.12)
BEL	111831	1.79	109825	538 (5.40)	550 (2.65)	531 (2.82)	503 (5.30)	382 (17.23)
CAN	330436	9.70	298375	562 (3.23)	537 (1.96)	531 (1.93)	507 (4.02)	499 (7.50)
CZE	121183	4.09	116221	539 (5.10)	532 (3.46)	496 (3.46)	485 (10.99)	441 (28.22)
DNK	51741	0.65	51406	551 (5.94)	525 (2.88)	499 (3.44)	472 (8.01)	433 (11.97)
FIN	57884	0.07	57845	592 (5.17)	554 (2.52)	526 (2.07)	502 (4.96)	475 (17.52)
FRA	734579	0.87	728167	516 (5.61)	519 (3.24)	515 (3.10)	498 (4.08)	413 (11.93)
DEU	884358	5.57	835070	523 (4.82)	520 (3.94)	507 (3.88)	497 (6.60)	398 (9.52)
GRC	105131	0.13	104991	466 (6.16)	453 (4.11)	427 (3.37)	411 (5.94)	348 (12.66)
HUN	107044	0.06	106984	502 (5.52)	496 (3.27)	481 (3.24)	469 (9.28)	390 (19.97)
ISL	3928	0.63	3903	529 (4.02)	523 (2.27)	505 (2.88)	482 (5.31)	427 (20.53)
IRL	54850	1.05	54274	514 (6.16)	505 (2.76)	506 (3.47)	476 (6.61)	385 (11.96)
ITA	481521	0.22	480483	467 (5.98)	472 (3.32)	461 (3.47)	450 (5.66)	366 (13.29)
JPN	1240054	0.10	1238855	559 (7.85)	553 (4.62)	526 (3.80)	486 (6.26)	407 (23.55)
KOR	533504	.	533504	604 (5.56)	565 (3.47)	516 (3.49)	482 (4.82)	. (.)
LUX	4080	0.08	4077	497 (5.02)	498 (2.45)	495 (2.33)	488 (3.35)	429 (9.66)
MEX	1071650	0.37	1067674	401 (4.96)	391 (3.33)	384 (4.90)	367 (7.54)	303 (6.51)
NLD	184943	3.34	178773	554 (8.14)	555 (3.23)	535 (3.62)	502 (6.85)	480 (9.53)
NZL	48638	1.30	48004	539 (6.70)	525 (2.44)	528 (2.94)	499 (9.77)	435 (12.66)
NOR	52816	0.77	52407	519 (5.03)	509 (2.98)	491 (2.95)	446 (4.77)	420 (9.11)
POL	534900	.	534900	519 (5.05)	494 (2.73)	470 (3.76)	443 (9.13)	375 (16.44)
PRT	96857	0.23	96637	493 (7.72)	472 (3.50)	452 (4.31)	418 (7.10)	426 (12.94)
SVK	77067	0.17	76935	507 (6.40)	505 (2.96)	480 (5.04)	432 (11.88)	416 (31.39)
ESP	344372	0.07	344114	496 (3.89)	497 (2.55)	479 (2.79)	429 (4.08)	388 (13.12)
SWE	107104	0.25	106838	549 (6.84)	517 (2.93)	496 (2.61)	463 (6.44)	434 (15.38)
CHE	86491	0.14	86370	544 (5.00)	534 (4.21)	513 (3.27)	505 (6.84)	447 (12.26)
TUR	481279	0.03	481137	442 (9.30)	438 (7.81)	418 (6.52)	390 (5.73)	340 (5.60)
GBR	698579	3.65	673085	526 (6.21)	510 (2.71)	507 (3.24)	479 (6.92)	417 (13.56)
USA	3147089	0.76	3123066	488 (5.94)	483 (2.83)	491 (3.64)	467 (7.87)	387 (16.21)
TOT	.	1.34	.	493 (2.24)	494 (1.09)	495 (1.24)	475 (2.53)	366 (4.86)
AVG	.	1.25	.	512 (1.23)	508 (0.68)	498 (0.65)	475 (1.27)	393 (3.11)
HKG	72484	0.21	72334	595 (7.70)	566 (4.01)	527 (6.44)	469 (8.26)	. (.)
IDN	1971476	0.01	1971367	352 (4.94)	368 (3.85)	354 (5.55)	347 (14.94)	287 (6.17)
LVA	33643	0.22	33570	505 (7.63)	489 (4.14)	467 (3.72)	454 (13.23)	409 (12.52)
LIE	338	.	338	548 (12.11)	535 (6.71)	536 (10.25)	. (.)	. (.)
MAC	6546	.	6546	571 (9.66)	532 (3.59)	511 (6.10)	479 (17.10)	. (.)
RUS	2153373	0.02	2152991	497 (6.23)	469 (4.41)	465 (4.41)	461 (7.53)	377 (7.46)
YUG	68596	0.57	68202	450 (5.61)	447 (3.54)	427 (4.41)	421 (6.69)	364 (8.62)
THA	637076	.	637076	430 (5.88)	417 (2.96)	412 (3.71)	365 (13.41)	387 (17.92)
TUN	150875	0.13	150672	378 (3.83)	362 (3.13)	339 (2.98)	333 (5.40)	307 (5.99)
URY	33775	0.15	33724	439 (5.38)	433 (3.73)	421 (3.96)	389 (9.90)	321 (5.68)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I try to understand new concepts in Mathematics by relating them to things I already know.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	547 (4.29)	526 (2.12)	526 (2.78)	500 (5.54)	406 (10.02)
AUT	85931	1.08	85003	503 (5.51)	499 (3.82)	483 (3.53)	484 (5.34)	442 (17.34)
BEL	111831	1.79	109825	516 (5.58)	526 (2.77)	512 (3.18)	491 (6.09)	354 (14.95)
CAN	330436	9.70	298375	541 (3.09)	523 (2.18)	521 (2.11)	498 (5.38)	480 (7.94)
CZE	121183	4.09	116221	542 (5.64)	538 (3.33)	502 (3.70)	494 (11.16)	446 (30.69)
DNK	51741	0.65	51406	509 (6.38)	488 (3.44)	459 (3.36)	438 (8.89)	370 (13.28)
FIN	57884	0.07	57845	587 (5.52)	557 (2.45)	532 (2.16)	513 (5.11)	502 (21.13)
FRA	734579	0.87	728167	521 (6.66)	518 (3.80)	515 (3.84)	501 (4.86)	396 (14.94)
DEU	884358	5.57	835070	520 (5.48)	520 (4.27)	509 (4.17)	500 (6.77)	383 (10.97)
GRC	105131	0.13	104991	502 (6.01)	487 (4.03)	467 (3.47)	451 (8.55)	396 (14.28)
HUN	107044	0.06	106984	517 (6.16)	509 (3.19)	494 (3.05)	491 (10.09)	376 (18.95)
ISL	3928	0.63	3903	507 (4.09)	502 (2.54)	486 (3.12)	474 (6.71)	400 (19.45)
IRL	54850	1.05	54274	512 (7.05)	505 (3.04)	510 (3.58)	490 (7.61)	396 (15.90)
ITA	481521	0.22	480483	484 (7.10)	491 (3.52)	486 (3.62)	477 (6.19)	346 (18.85)
JPN	1240054	0.10	1238855	572 (7.83)	566 (4.69)	539 (4.16)	503 (6.96)	420 (28.72)
KOR	533504	.	533504	595 (6.03)	558 (3.75)	514 (4.07)	486 (5.47)	. (.)
LUX	4080	0.08	4077	483 (6.07)	487 (2.78)	486 (2.68)	484 (3.79)	388 (13.17)
MEX	1071650	0.37	1067674	420 (4.71)	409 (3.25)	403 (4.90)	389 (9.56)	336 (7.30)
NLD	184943	3.34	178773	532 (9.26)	539 (3.75)	522 (3.71)	495 (7.21)	460 (12.61)
NZL	48638	1.30	48004	532 (7.43)	519 (2.56)	530 (3.54)	511 (9.31)	429 (15.90)
NOR	52816	0.77	52407	506 (5.94)	499 (3.74)	482 (3.60)	435 (5.49)	393 (10.09)
POL	534900	.	534900	526 (5.82)	501 (3.25)	477 (4.54)	453 (10.32)	402 (12.80)
PRT	96857	0.23	96637	484 (7.87)	472 (3.57)	459 (4.47)	435 (7.26)	415 (14.11)
SVK	77067	0.17	76935	504 (7.28)	502 (3.21)	476 (8.37)	444 (11.96)	398 (26.41)
ESP	344372	0.07	344114	499 (5.60)	500 (2.65)	481 (3.37)	432 (6.13)	366 (18.60)
SWE	107104	0.25	106838	537 (7.28)	514 (3.13)	496 (3.50)	466 (8.57)	424 (18.58)
CHE	86491	0.14	86370	532 (6.36)	522 (4.25)	498 (3.78)	486 (10.29)	447 (13.41)
TUR	481279	0.03	481137	445 (8.64)	447 (6.85)	429 (5.74)	406 (5.82)	371 (5.85)
GBR	698579	3.65	673085	534 (6.36)	521 (2.89)	519 (3.67)	494 (8.16)	401 (12.98)
USA	3147089	0.76	3123066	496 (6.46)	491 (3.19)	500 (3.55)	480 (7.78)	379 (20.15)
TOT	.	1.34	.	500 (2.27)	500 (1.16)	502 (1.32)	485 (2.57)	374 (4.97)
AVG	.	1.25	.	510 (1.20)	507 (0.66)	498 (0.70)	478 (1.40)	390 (3.13)
HKG	72484	0.21	72334	571 (7.11)	552 (3.81)	522 (6.10)	474 (8.58)	. (.)
IDN	1971476	0.01	1971367	394 (3.90)	400 (3.21)	391 (4.64)	381 (13.55)	343 (5.59)
LVA	33643	0.22	33570	505 (8.29)	494 (4.10)	476 (4.84)	469 (16.00)	416 (17.10)
LIE	338	.	338	533 (13.39)	526 (7.08)	524 (11.48)	. (.)	. (.)
MAC	6546	.	6546	568 (10.39)	529 (3.95)	509 (5.84)	475 (16.62)	. (.)
RUS	2153373	0.02	2152991	516 (6.56)	491 (4.37)	486 (4.36)	483 (11.44)	380 (10.37)
YUG	68596	0.57	68202	445 (5.36)	443 (3.69)	428 (4.04)	431 (6.80)	390 (10.58)
THA	637076	.	637076	440 (5.83)	428 (2.64)	429 (4.00)	396 (13.86)	414 (19.59)
TUN	150875	0.13	150672	402 (3.94)	387 (2.94)	373 (3.58)	367 (6.73)	319 (7.84)
URY	33775	0.15	33724	452 (6.96)	446 (3.36)	442 (4.03)	417 (9.81)	347 (5.58)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

I try to understand new concepts in Mathematics by relating them to things I already know.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	546 (4.01)	531 (1.92)	532 (2.66)	506 (5.10)	421 (8.48)
AUT	85931	1.08	85003	518 (5.10)	515 (3.54)	498 (3.25)	498 (5.38)	451 (14.23)
BEL	111831	1.79	109825	532 (5.30)	544 (2.67)	526 (2.60)	499 (5.51)	399 (11.26)
CAN	330436	9.70	298375	556 (3.02)	535 (1.96)	530 (1.94)	503 (4.57)	495 (6.95)
CZE	121183	4.09	116221	537 (5.11)	532 (3.26)	497 (3.43)	485 (11.01)	442 (32.09)
DNK	51741	0.65	51406	547 (5.18)	527 (2.66)	505 (3.06)	481 (7.22)	428 (13.36)
FIN	57884	0.07	57845	587 (5.26)	555 (2.34)	532 (2.16)	517 (5.00)	485 (14.99)
FRA	734579	0.87	728167	520 (6.01)	525 (3.42)	525 (3.27)	512 (4.21)	422 (12.76)
DEU	884358	5.57	835070	527 (5.20)	527 (3.81)	517 (3.82)	507 (6.30)	405 (10.43)
GRC	105131	0.13	104991	466 (6.28)	458 (4.15)	432 (3.87)	416 (7.42)	335 (13.58)
HUN	107044	0.06	106984	510 (6.09)	507 (3.28)	494 (3.29)	478 (9.49)	421 (18.15)
ISL	3928	0.63	3903	520 (4.04)	511 (2.11)	496 (2.89)	481 (5.77)	413 (23.01)
IRL	54850	1.05	54274	506 (5.76)	499 (2.78)	503 (2.87)	481 (6.21)	376 (12.13)
ITA	481521	0.22	480483	467 (7.20)	476 (3.48)	466 (3.08)	458 (5.20)	329 (14.37)
JPN	1240054	0.10	1238855	570 (7.05)	566 (4.43)	539 (4.09)	501 (6.55)	400 (42.46)
KOR	533504	.	533504	600 (5.15)	568 (3.14)	529 (3.35)	502 (5.42)	. (.)
LUX	4080	0.08	4077	495 (5.58)	497 (2.43)	497 (2.39)	489 (3.85)	423 (9.79)
MEX	1071650	0.37	1067674	400 (5.72)	390 (3.93)	387 (6.51)	363 (9.83)	293 (7.17)
NLD	184943	3.34	178773	530 (8.22)	535 (3.21)	516 (3.76)	485 (6.96)	455 (11.37)
NZL	48638	1.30	48004	542 (6.46)	533 (2.44)	539 (3.39)	513 (8.32)	452 (13.00)
NOR	52816	0.77	52407	511 (5.59)	505 (3.46)	486 (3.07)	437 (5.19)	416 (11.75)
POL	534900	.	534900	509 (5.55)	490 (2.87)	471 (3.87)	449 (8.76)	359 (24.85)
PRT	96857	0.23	96637	492 (8.68)	475 (3.92)	458 (5.15)	418 (7.71)	434 (13.67)
SVK	77067	0.17	76935	496 (6.82)	498 (3.10)	477 (4.70)	425 (10.37)	419 (34.09)
ESP	344372	0.07	344114	491 (4.64)	495 (2.78)	476 (3.32)	426 (4.64)	377 (13.66)
SWE	107104	0.25	106838	537 (6.56)	516 (2.96)	499 (2.90)	471 (6.38)	439 (13.97)
CHE	86491	0.14	86370	535 (4.92)	529 (3.81)	511 (3.08)	506 (7.21)	426 (12.10)
TUR	481279	0.03	481137	424 (8.33)	422 (6.77)	403 (5.65)	376 (5.96)	324 (5.68)
GBR	698579	3.65	673085	525 (6.29)	512 (2.77)	508 (3.34)	477 (7.45)	431 (13.64)
USA	3147089	0.76	3123066	482 (6.43)	478 (3.04)	485 (3.81)	461 (7.51)	372 (17.54)
TOT	.	1.34	.	491 (2.37)	494 (1.16)	498 (1.37)	481 (2.58)	359 (5.28)
AVG	.	1.25	.	508 (1.30)	507 (0.69)	500 (0.69)	479 (1.35)	389 (3.24)
HKG	72484	0.21	72334	585 (7.29)	561 (3.53)	529 (6.39)	480 (8.26)	. (.)
IDN	1971476	0.01	1971367	354 (4.57)	367 (3.27)	359 (4.95)	353 (13.84)	299 (6.21)
LVA	33643	0.22	33570	502 (8.30)	487 (4.22)	469 (3.82)	463 (12.03)	394 (15.12)
LIE	338	.	338	533 (13.46)	531 (6.97)	530 (10.29)	. (.)	. (.)
MAC	6546	.	6546	561 (8.29)	537 (3.22)	519 (4.99)	487 (19.94)	. (.)
RUS	2153373	0.02	2152991	504 (7.02)	480 (4.76)	476 (5.00)	474 (8.86)	366 (11.26)
YUG	68596	0.57	68202	429 (5.33)	432 (3.19)	413 (4.31)	405 (6.45)	342 (9.52)
THA	637076	.	637076	440 (5.65)	425 (2.74)	421 (3.58)	381 (13.48)	399 (21.17)
TUN	150875	0.13	150672	360 (3.42)	349 (2.54)	331 (3.32)	324 (4.93)	288 (6.63)
URY	33775	0.15	33724	425 (6.46)	421 (4.18)	412 (4.25)	376 (12.44)	307 (7.61)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
In order to remember the method for solving a Mathematics problem, I go through examples again and again.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	13.53	(0.34)	56.66	(0.54)	25.05	(0.44)	3.38	(0.16)	1.38	(0.17)
AUT	85931	1.08	85003	27.18	(0.68)	41.52	(0.79)	21.85	(0.59)	7.64	(0.57)	1.81	(0.60)
BEL	111831	1.79	109825	13.83	(0.43)	54.58	(0.66)	21.97	(0.61)	5.64	(0.29)	3.98	(0.50)
CAN	330436	9.70	298375	15.91	(0.52)	52.57	(0.60)	24.51	(0.45)	4.95	(0.24)	2.06	(0.17)
CZE	121183	4.09	116221	9.65	(0.49)	51.52	(0.67)	33.43	(0.76)	4.07	(0.24)	1.34	(0.36)
DNK	51741	0.65	51406	6.40	(0.39)	42.22	(0.83)	41.90	(0.86)	6.41	(0.38)	3.07	(0.33)
FIN	57884	0.07	57845	6.11	(0.35)	47.90	(0.66)	39.08	(0.66)	6.50	(0.40)	0.41	(.)
FRA	734579	0.87	728167	19.20	(0.65)	49.88	(0.73)	21.12	(0.62)	7.81	(0.46)	2.00	(0.27)
DEU	884358	5.57	835070	18.06	(0.70)	41.14	(0.79)	29.10	(0.67)	9.47	(0.55)	2.24	(0.34)
GRC	105131	0.13	104991	19.34	(0.66)	53.99	(0.81)	20.54	(0.75)	4.31	(0.33)	1.81	(0.32)
HUN	107044	0.06	106984	17.38	(0.64)	56.37	(0.80)	22.19	(0.63)	3.14	(0.27)	0.92	(0.15)
ISL	3928	0.63	3903	14.41	(0.65)	46.80	(0.78)	31.06	(0.77)	6.63	(0.42)	1.11	(0.19)
IRL	54850	1.05	54274	15.39	(0.67)	60.26	(0.91)	19.69	(0.69)	3.28	(0.31)	1.39	(0.22)
ITA	481521	0.22	480483	20.04	(0.56)	58.01	(0.65)	16.87	(0.58)	3.99	(0.28)	1.08	(0.19)
JPN	1240054	0.10	1238855	10.96	(0.50)	33.83	(0.78)	40.15	(0.83)	14.12	(0.64)	0.94	(0.26)
KOR	533504	.	533504	9.19	(0.37)	51.78	(0.88)	31.56	(0.81)	7.20	(0.43)	0.27	(.)
LUX	4080	0.08	4077	21.67	(0.63)	48.24	(0.74)	19.59	(0.65)	7.97	(0.46)	2.54	(0.23)
MEX	1071650	0.37	1067674	17.71	(0.65)	45.51	(0.71)	26.75	(0.57)	2.74	(0.28)	7.29	(0.67)
NLD	184943	3.34	178773	7.79	(0.47)	51.94	(1.02)	33.78	(0.94)	4.42	(0.33)	2.07	(0.37)
NZL	48638	1.30	48004	12.10	(0.53)	57.06	(0.78)	26.51	(0.70)	3.32	(0.26)	1.01	(0.16)
NOR	52816	0.77	52407	10.75	(0.47)	48.57	(0.96)	29.65	(0.75)	7.71	(0.49)	3.32	(0.48)
POL	534900	.	534900	11.78	(0.54)	58.47	(0.82)	23.91	(0.56)	4.79	(0.31)	1.06	(0.22)
PRT	96857	0.23	96637	10.54	(0.64)	54.43	(0.97)	28.03	(0.80)	5.16	(0.37)	1.84	(0.31)
SVK	77067	0.17	76935	10.22	(0.35)	47.84	(0.66)	35.69	(0.77)	4.87	(0.25)	1.37	(0.47)
ESP	344372	0.07	344114	17.26	(0.53)	57.53	(0.77)	18.40	(0.54)	4.95	(0.34)	1.87	(0.21)
SWE	107104	0.25	106838	9.82	(0.51)	51.80	(0.74)	30.23	(0.75)	6.24	(0.39)	1.91	(0.23)
CHE	86491	0.14	86370	12.90	(0.51)	39.75	(0.83)	34.26	(0.67)	10.75	(0.65)	2.34	(0.26)
TUR	481279	0.03	481137	22.15	(0.94)	49.88	(0.95)	15.35	(0.52)	4.47	(0.37)	8.15	(1.01)
GBR	698579	3.65	673085	11.00	(0.51)	57.50	(0.73)	25.85	(0.65)	3.75	(0.29)	1.90	(0.26)
USA	3147089	0.76	3123066	14.92	(0.62)	54.13	(0.71)	24.56	(0.62)	4.63	(0.26)	1.76	(0.24)
TOT	.	1.34	.	14.93	(0.20)	50.09	(0.21)	26.49	(0.21)	6.10	(0.12)	2.38	(0.10)
AVG	.	1.25	.	14.24	(0.09)	50.72	(0.16)	27.08	(0.14)	5.81	(0.07)	2.14	(0.07)
HKG	72484	0.21	72334	9.25	(0.39)	54.60	(0.74)	30.80	(0.86)	5.06	(0.37)	0.28	(.)
IDN	1971476	0.01	1971367	20.15	(0.71)	64.16	(0.92)	11.05	(0.57)	0.58	(0.15)	4.06	(0.50)
LVA	33643	0.22	33570	9.72	(0.68)	59.98	(1.05)	26.51	(0.90)	2.61	(0.31)	1.18	(0.20)
LIE	338	.	338	13.20	(1.90)	36.23	(2.72)	40.10	(2.87)	10.17	(1.32)	0.30	(.)
MAC	6546	.	6546	13.60	(1.23)	55.05	(1.83)	25.76	(1.69)	4.95	(0.73)	0.64	(.)
RUS	2153373	0.02	2152991	9.86	(0.44)	51.01	(0.90)	33.32	(0.89)	3.11	(0.29)	2.70	(0.32)
YUG	68596	0.57	68202	26.63	(0.86)	51.47	(0.91)	11.16	(0.50)	3.88	(0.35)	6.86	(0.85)
THA	637076	.	637076	8.44	(0.48)	61.68	(0.73)	27.52	(0.72)	1.34	(0.16)	1.02	(0.18)
TUN	150875	0.13	150672	36.11	(0.89)	41.31	(0.86)	13.49	(0.47)	5.20	(0.32)	3.89	(0.35)
URY	33775	0.15	33724	21.98	(0.63)	54.53	(0.79)	13.72	(0.44)	3.28	(0.30)	6.49	(0.46)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
In order to remember the method for solving a Mathematics problem, I go through examples again and again.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.20)	528 (2.25)	523 (3.22)	509 (6.81)	394 (9.55)
AUT	85931	1.08	85003	496 (4.29)	492 (4.19)	498 (3.71)	495 (8.10)	429 (29.61)
BEL	111831	1.79	109825	508 (4.91)	523 (2.42)	516 (3.76)	481 (8.33)	351 (18.31)
CAN	330436	9.70	298375	538 (3.05)	531 (1.87)	534 (2.44)	524 (5.46)	487 (7.47)
CZE	121183	4.09	116221	498 (5.18)	494 (2.75)	502 (3.51)	500 (6.90)	410 (27.07)
DNK	51741	0.65	51406	489 (6.63)	489 (2.72)	503 (3.34)	496 (7.51)	407 (15.96)
FIN	57884	0.07	57845	537 (5.08)	546 (2.03)	543 (2.27)	536 (5.05)	. (.)
FRA	734579	0.87	728167	498 (3.55)	504 (3.06)	498 (4.22)	485 (6.19)	365 (13.37)
DEU	884358	5.57	835070	491 (4.89)	498 (3.58)	517 (4.53)	519 (6.10)	358 (10.76)
GRC	105131	0.13	104991	480 (4.67)	475 (4.08)	480 (5.78)	438 (9.93)	310 (19.67)
HUN	107044	0.06	106984	489 (3.78)	483 (2.92)	479 (4.10)	483 (9.42)	359 (22.14)
ISL	3928	0.63	3903	482 (4.69)	492 (2.43)	501 (3.17)	497 (7.73)	384 (22.78)
IRL	54850	1.05	54274	516 (4.77)	517 (2.91)	520 (3.87)	498 (9.60)	376 (19.19)
ITA	481521	0.22	480483	475 (4.54)	479 (2.99)	477 (5.46)	461 (7.92)	341 (17.27)
JPN	1240054	0.10	1238855	505 (5.29)	505 (4.32)	505 (4.43)	467 (7.02)	355 (27.91)
KOR	533504	.	533504	565 (3.98)	547 (2.74)	516 (3.90)	490 (5.92)	. (.)
LUX	4080	0.08	4077	478 (3.12)	488 (2.32)	481 (3.83)	467 (6.72)	356 (12.71)
MEX	1071650	0.37	1067674	406 (5.88)	406 (3.98)	412 (4.39)	397 (9.69)	304 (6.53)
NLD	184943	3.34	178773	515 (5.55)	522 (3.21)	516 (3.70)	493 (8.98)	489 (10.58)
NZL	48638	1.30	48004	533 (5.59)	522 (2.50)	527 (4.12)	512 (9.84)	431 (16.62)
NOR	52816	0.77	52407	499 (5.77)	508 (3.20)	508 (3.56)	465 (7.94)	409 (12.90)
POL	534900	.	534900	504 (4.95)	494 (3.06)	505 (3.72)	504 (7.76)	346 (21.29)
PRT	96857	0.23	96637	483 (5.12)	477 (3.98)	485 (4.76)	460 (7.52)	419 (17.96)
SVK	77067	0.17	76935	466 (6.49)	469 (3.21)	473 (3.69)	479 (6.99)	359 (35.41)
ESP	344372	0.07	344114	488 (3.35)	490 (2.86)	470 (4.51)	420 (6.83)	388 (13.99)
SWE	107104	0.25	106838	505 (6.51)	515 (2.90)	526 (2.93)	504 (7.00)	414 (17.85)
CHE	86491	0.14	86370	481 (4.06)	494 (3.82)	511 (3.36)	516 (9.48)	431 (12.99)
TUR	481279	0.03	481137	457 (6.33)	451 (5.79)	438 (7.80)	407 (8.42)	360 (5.66)
GBR	698579	3.65	673085	519 (5.11)	510 (3.02)	503 (3.74)	489 (7.86)	410 (12.23)
USA	3147089	0.76	3123066	494 (4.81)	497 (3.20)	507 (4.40)	485 (8.48)	351 (12.12)
TOT	.	1.34	.	488 (1.73)	493 (1.22)	496 (1.53)	479 (2.92)	352 (3.98)
AVG	.	1.25	.	493 (0.93)	499 (0.66)	501 (0.82)	485 (1.39)	377 (3.49)
HKG	72484	0.21	72334	513 (4.82)	513 (3.44)	509 (5.26)	483 (8.39)	. (.)
IDN	1971476	0.01	1971367	374 (4.10)	387 (3.26)	395 (5.50)	343 (22.80)	307 (9.42)
LVA	33643	0.22	33570	501 (7.02)	491 (3.57)	492 (4.84)	474 (13.32)	398 (16.62)
LIE	338	.	338	486 (13.52)	518 (7.98)	529 (7.15)	588 (12.30)	. (.)
MAC	6546	.	6546	491 (7.27)	500 (2.78)	498 (4.39)	494 (14.99)	. (.)
RUS	2153373	0.02	2152991	445 (6.51)	445 (4.14)	446 (4.05)	458 (11.75)	318 (10.05)
YUG	68596	0.57	68202	421 (4.67)	419 (3.41)	410 (5.65)	397 (6.62)	337 (11.77)
THA	637076	.	637076	422 (6.15)	416 (2.78)	429 (3.69)	415 (11.81)	395 (17.96)
TUN	150875	0.13	150672	381 (3.57)	380 (3.46)	375 (4.77)	360 (7.32)	277 (9.58)
URY	33775	0.15	33724	442 (5.33)	443 (3.59)	433 (6.53)	427 (13.14)	339 (8.16)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
In order to remember the method for solving a Mathematics problem, I go through examples again and again.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	534 (3.55)	525 (2.05)	526 (3.16)	507 (7.18)	413 (9.48)
AUT	85931	1.08	85003	500 (3.82)	505 (3.59)	519 (4.07)	525 (7.33)	445 (16.37)
BEL	111831	1.79	109825	521 (4.31)	544 (2.17)	545 (3.95)	508 (7.59)	387 (16.68)
CAN	330436	9.70	298375	539 (2.71)	533 (1.82)	544 (2.55)	538 (4.49)	501 (7.37)
CZE	121183	4.09	116221	516 (5.22)	515 (2.93)	536 (4.21)	547 (8.41)	441 (26.77)
DNK	51741	0.65	51406	520 (7.27)	507 (2.99)	527 (3.27)	514 (7.05)	441 (16.01)
FIN	57884	0.07	57845	546 (5.82)	543 (2.16)	548 (2.45)	536 (5.42)	. (.)
FRA	734579	0.87	728167	505 (3.39)	516 (2.68)	522 (3.85)	499 (6.12)	418 (12.70)
DEU	884358	5.57	835070	494 (4.57)	506 (3.33)	531 (4.38)	535 (6.19)	397 (9.30)
GRC	105131	0.13	104991	447 (4.44)	445 (3.83)	458 (5.52)	423 (7.49)	342 (14.68)
HUN	107044	0.06	106984	490 (3.80)	489 (3.28)	495 (3.73)	506 (11.10)	391 (19.26)
ISL	3928	0.63	3903	502 (4.19)	514 (2.24)	526 (2.83)	521 (7.15)	431 (19.13)
IRL	54850	1.05	54274	500 (4.48)	504 (2.75)	515 (3.70)	474 (9.13)	380 (13.47)
ITA	481521	0.22	480483	454 (4.44)	468 (2.88)	479 (5.62)	468 (8.44)	373 (12.14)
JPN	1240054	0.10	1238855	537 (4.83)	536 (4.47)	544 (4.47)	507 (7.47)	423 (20.75)
KOR	533504	.	533504	585 (4.63)	556 (3.22)	521 (3.98)	486 (5.72)	. (.)
LUX	4080	0.08	4077	481 (2.69)	498 (1.69)	502 (3.55)	501 (5.25)	415 (8.99)
MEX	1071650	0.37	1067674	392 (5.17)	390 (3.43)	396 (3.86)	377 (9.05)	302 (6.27)
NLD	184943	3.34	178773	537 (5.95)	546 (3.16)	547 (3.95)	513 (9.68)	483 (9.85)
NZL	48638	1.30	48004	535 (5.22)	522 (2.46)	533 (3.44)	516 (9.71)	436 (14.26)
NOR	52816	0.77	52407	489 (4.80)	500 (2.83)	508 (3.19)	461 (6.83)	418 (9.45)
POL	534900	.	534900	493 (4.40)	485 (2.39)	504 (3.91)	510 (8.01)	365 (16.40)
PRT	96857	0.23	96637	469 (4.50)	465 (3.36)	475 (4.68)	450 (6.52)	414 (15.94)
SVK	77067	0.17	76935	486 (5.96)	494 (3.00)	508 (4.13)	517 (8.20)	400 (34.87)
ESP	344372	0.07	344114	485 (3.05)	492 (2.54)	486 (3.78)	438 (5.39)	398 (10.67)
SWE	107104	0.25	106838	496 (6.74)	504 (2.70)	528 (3.15)	508 (7.93)	433 (16.90)
CHE	86491	0.14	86370	503 (3.46)	518 (3.57)	541 (3.66)	553 (9.17)	462 (12.83)
TUR	481279	0.03	481137	439 (7.17)	433 (6.85)	426 (9.55)	388 (8.03)	335 (6.13)
GBR	698579	3.65	673085	520 (4.59)	510 (2.80)	507 (3.83)	493 (8.07)	418 (12.71)
USA	3147089	0.76	3123066	476 (4.62)	481 (3.00)	500 (4.16)	484 (7.53)	371 (11.61)
TOT	.	1.34	.	483 (1.66)	490 (1.08)	504 (1.42)	493 (2.79)	364 (4.11)
AVG	.	1.25	.	493 (0.89)	501 (0.62)	514 (0.77)	499 (1.45)	394 (3.28)
HKG	72484	0.21	72334	556 (5.30)	553 (4.22)	550 (6.14)	523 (10.22)	. (.)
IDN	1971476	0.01	1971367	351 (4.55)	365 (3.82)	378 (7.07)	309 (22.70)	286 (6.84)
LVA	33643	0.22	33570	487 (7.52)	482 (3.46)	490 (5.01)	473 (14.44)	409 (16.01)
LIE	338	.	338	500 (13.70)	523 (8.48)	537 (8.92)	628 (14.00)	. (.)
MAC	6546	.	6546	519 (8.40)	526 (3.58)	529 (6.46)	553 (19.26)	. (.)
RUS	2153373	0.02	2152991	473 (5.97)	472 (4.64)	469 (4.27)	482 (9.37)	368 (8.33)
YUG	68596	0.57	68202	441 (4.57)	445 (3.56)	442 (6.05)	425 (7.20)	361 (9.66)
THA	637076	.	637076	421 (6.37)	414 (2.99)	424 (4.21)	411 (12.36)	391 (17.26)
TUN	150875	0.13	150672	365 (2.89)	361 (3.22)	359 (4.57)	343 (5.87)	301 (5.97)
URY	33775	0.15	33724	426 (5.11)	430 (2.97)	434 (5.51)	417 (12.48)	327 (5.58)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
In order to remember the method for solving a Mathematics problem, I go through examples again and again.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	535 (3.30)	527 (2.19)	526 (3.24)	510 (7.24)	406 (9.62)
AUT	85931	1.08	85003	490 (3.87)	490 (4.12)	502 (3.99)	506 (7.94)	437 (21.18)
BEL	111831	1.79	109825	505 (4.11)	523 (2.54)	521 (3.90)	485 (8.21)	360 (14.94)
CAN	330436	9.70	298375	523 (3.02)	519 (2.22)	532 (2.87)	527 (5.64)	479 (9.47)
CZE	121183	4.09	116221	523 (6.25)	521 (3.01)	541 (4.31)	548 (8.23)	446 (29.13)
DNK	51741	0.65	51406	478 (7.99)	468 (3.37)	489 (3.48)	482 (7.99)	378 (16.38)
FIN	57884	0.07	57845	546 (6.73)	547 (2.26)	552 (2.59)	542 (6.16)	. (.)
FRA	734579	0.87	728167	509 (3.75)	517 (3.66)	518 (5.27)	506 (7.18)	402 (16.51)
DEU	884358	5.57	835070	497 (4.87)	505 (3.56)	531 (4.72)	535 (6.49)	381 (10.87)
GRC	105131	0.13	104991	486 (5.15)	482 (3.79)	487 (6.08)	455 (8.92)	389 (16.41)
HUN	107044	0.06	106984	504 (4.68)	501 (3.02)	509 (3.84)	527 (11.03)	387 (19.97)
ISL	3928	0.63	3903	479 (5.00)	491 (2.71)	508 (2.77)	511 (7.65)	409 (18.36)
IRL	54850	1.05	54274	505 (5.28)	506 (3.00)	513 (4.12)	489 (10.88)	390 (17.72)
ITA	481521	0.22	480483	484 (4.98)	488 (2.83)	494 (6.41)	484 (8.33)	351 (17.47)
JPN	1240054	0.10	1238855	552 (5.93)	552 (4.34)	556 (4.71)	520 (7.28)	439 (22.93)
KOR	533504	.	533504	579 (4.90)	553 (3.42)	517 (4.37)	485 (6.38)	. (.)
LUX	4080	0.08	4077	473 (3.26)	489 (2.44)	490 (3.99)	489 (6.55)	372 (12.47)
MEX	1071650	0.37	1067674	412 (5.36)	408 (3.23)	415 (4.04)	399 (8.95)	333 (7.42)
NLD	184943	3.34	178773	522 (6.84)	534 (3.59)	530 (4.45)	498 (10.80)	461 (12.58)
NZL	48638	1.30	48004	529 (5.66)	519 (2.67)	530 (3.75)	521 (10.18)	439 (15.26)
NOR	52816	0.77	52407	476 (5.69)	491 (3.24)	496 (4.15)	450 (7.76)	394 (10.61)
POL	534900	.	534900	503 (4.88)	491 (3.11)	510 (4.24)	521 (9.04)	398 (15.06)
PRT	96857	0.23	96637	472 (5.37)	466 (3.49)	477 (4.75)	455 (6.97)	400 (16.66)
SVK	77067	0.17	76935	484 (6.50)	491 (3.43)	504 (4.89)	522 (9.13)	381 (29.13)
ESP	344372	0.07	344114	489 (3.70)	495 (3.00)	486 (4.39)	434 (6.47)	379 (15.72)
SWE	107104	0.25	106838	492 (7.38)	503 (3.18)	523 (3.76)	501 (8.11)	415 (18.79)
CHE	86491	0.14	86370	491 (4.84)	504 (3.86)	528 (3.73)	537 (10.97)	463 (13.81)
TUR	481279	0.03	481137	448 (6.59)	442 (6.21)	433 (8.29)	403 (7.15)	369 (6.25)
GBR	698579	3.65	673085	528 (4.61)	521 (3.20)	518 (4.40)	507 (8.36)	406 (12.76)
USA	3147089	0.76	3123066	487 (4.77)	489 (3.12)	510 (4.36)	495 (8.51)	357 (15.40)
TOT	.	1.34	.	492 (1.73)	496 (1.13)	510 (1.51)	500 (2.98)	371 (3.94)
AVG	.	1.25	.	495 (0.91)	501 (0.61)	511 (0.81)	499 (1.53)	390 (3.10)
HKG	72484	0.21	72334	542 (5.67)	542 (4.00)	539 (6.05)	518 (9.32)	. (.)
IDN	1971476	0.01	1971367	391 (3.56)	398 (3.24)	408 (6.02)	367 (19.54)	343 (6.45)
LVA	33643	0.22	33570	490 (8.10)	488 (3.70)	496 (4.97)	477 (14.13)	413 (15.77)
LIE	338	.	338	482 (15.43)	517 (8.75)	524 (7.87)	620 (13.79)	. (.)
MAC	6546	.	6546	522 (7.77)	525 (4.10)	526 (6.09)	528 (22.25)	. (.)
RUS	2153373	0.02	2152991	495 (6.59)	492 (4.41)	492 (4.64)	498 (11.02)	374 (10.45)
YUG	68596	0.57	68202	441 (4.50)	442 (3.37)	435 (5.55)	426 (7.60)	387 (11.58)
THA	637076	.	637076	433 (5.62)	425 (2.74)	438 (3.61)	431 (12.90)	421 (19.09)
TUN	150875	0.13	150672	392 (3.19)	387 (3.22)	385 (4.88)	376 (7.25)	308 (7.40)
URY	33775	0.15	33724	446 (4.74)	443 (3.03)	449 (5.19)	436 (13.83)	351 (6.56)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
In order to remember the method for solving a Mathematics problem, I go through examples again and again.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	537 (3.21)	531 (1.92)	531 (3.11)	516 (6.79)	421 (8.29)
AUT	85931	1.08	85003	501 (3.56)	506 (3.57)	519 (3.82)	524 (7.53)	439 (17.24)
BEL	111831	1.79	109825	517 (4.34)	538 (2.14)	539 (3.65)	503 (7.51)	403 (11.01)
CAN	330436	9.70	298375	538 (2.60)	531 (1.79)	540 (2.48)	531 (5.05)	496 (7.56)
CZE	121183	4.09	116221	517 (5.40)	516 (2.93)	534 (4.04)	540 (7.96)	443 (30.06)
DNK	51741	0.65	51406	520 (6.84)	511 (2.58)	528 (2.94)	520 (7.11)	435 (16.31)
FIN	57884	0.07	57845	549 (6.70)	547 (2.20)	550 (2.49)	544 (5.49)	. (.)
FRA	734579	0.87	728167	515 (3.36)	525 (3.02)	527 (4.19)	507 (6.10)	424 (13.73)
DEU	884358	5.57	835070	505 (4.75)	514 (3.50)	537 (4.04)	539 (5.93)	404 (11.11)
GRC	105131	0.13	104991	448 (4.98)	450 (3.93)	461 (6.24)	421 (8.77)	327 (13.42)
HUN	107044	0.06	106984	500 (3.84)	500 (3.25)	506 (3.75)	519 (11.30)	416 (17.74)
ISL	3928	0.63	3903	495 (4.41)	504 (2.15)	514 (2.71)	510 (6.78)	416 (21.50)
IRL	54850	1.05	54274	497 (4.15)	500 (2.63)	507 (3.64)	476 (9.47)	374 (12.69)
ITA	481521	0.22	480483	459 (4.53)	473 (2.81)	481 (6.14)	465 (9.65)	337 (14.81)
JPN	1240054	0.10	1238855	552 (5.49)	550 (4.37)	557 (4.70)	519 (7.52)	417 (34.37)
KOR	533504	.	533504	586 (4.25)	563 (2.92)	532 (3.81)	501 (6.33)	. (.)
LUX	4080	0.08	4077	483 (2.93)	499 (2.23)	500 (3.85)	496 (5.82)	410 (10.04)
MEX	1071650	0.37	1067674	391 (5.75)	389 (4.25)	397 (5.04)	381 (9.90)	293 (6.51)
NLD	184943	3.34	178773	515 (6.07)	527 (3.40)	527 (3.78)	496 (10.00)	459 (11.15)
NZL	48638	1.30	48004	541 (5.09)	532 (2.44)	541 (3.42)	526 (9.32)	448 (16.25)
NOR	52816	0.77	52407	482 (5.85)	496 (3.09)	503 (3.47)	450 (7.34)	417 (11.38)
POL	534900	.	534900	489 (4.48)	481 (2.68)	500 (3.91)	506 (7.75)	351 (25.77)
PRT	96857	0.23	96637	472 (4.96)	469 (3.83)	479 (5.22)	448 (7.30)	418 (17.97)
SVK	77067	0.17	76935	477 (6.07)	488 (3.14)	501 (4.11)	510 (7.95)	404 (38.23)
ESP	344372	0.07	344114	482 (3.28)	490 (2.81)	481 (4.64)	430 (5.62)	394 (13.52)
SWE	107104	0.25	106838	496 (5.81)	506 (2.83)	525 (2.69)	501 (7.11)	443 (15.29)
CHE	86491	0.14	86370	499 (3.34)	515 (3.37)	535 (3.31)	547 (9.17)	442 (12.75)
TUR	481279	0.03	481137	423 (6.67)	418 (6.00)	409 (8.42)	376 (7.45)	318 (6.22)
GBR	698579	3.65	673085	520 (4.58)	512 (2.88)	508 (3.77)	491 (7.88)	433 (12.35)
USA	3147089	0.76	3123066	474 (4.78)	476 (3.14)	493 (4.46)	474 (8.26)	353 (12.84)
TOT	.	1.34	.	484 (1.79)	490 (1.14)	505 (1.58)	494 (2.82)	356 (4.65)
AVG	.	1.25	.	493 (0.95)	501 (0.64)	513 (0.80)	499 (1.46)	389 (3.45)
HKG	72484	0.21	72334	552 (5.14)	550 (4.06)	549 (5.77)	525 (9.34)	. (.)
IDN	1971476	0.01	1971367	350 (3.72)	366 (3.31)	380 (5.69)	323 (18.21)	298 (6.70)
LVA	33643	0.22	33570	486 (7.59)	482 (3.82)	488 (5.30)	480 (13.09)	392 (17.95)
LIE	338	.	338	493 (14.08)	516 (7.84)	533 (7.54)	613 (14.20)	. (.)
MAC	6546	.	6546	521 (7.01)	535 (3.68)	533 (5.39)	530 (14.66)	. (.)
RUS	2153373	0.02	2152991	484 (7.07)	482 (4.79)	481 (4.79)	490 (11.37)	358 (13.15)
YUG	68596	0.57	68202	423 (4.07)	429 (3.10)	429 (6.44)	407 (6.61)	339 (10.82)
THA	637076	.	637076	433 (6.11)	423 (2.73)	429 (3.87)	418 (13.07)	402 (19.85)
TUN	150875	0.13	150672	349 (2.60)	349 (2.75)	344 (4.36)	330 (5.92)	283 (6.44)
URY	33775	0.15	33724	414 (6.29)	419 (3.33)	418 (6.70)	414 (13.54)	314 (7.31)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I cannot understand something in Mathematics, I always search for more information to clarify the problem.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	12.47	(0.32)	55.79	(0.55)	26.91	(0.41)	3.46	(0.19)	1.38	(0.16)
AUT	85931	1.08	85003	25.21	(0.67)	43.31	(0.91)	22.16	(0.63)	7.73	(0.46)	1.59	(0.60)
BEL	111831	1.79	109825	11.82	(0.43)	52.25	(0.66)	27.86	(0.56)	4.37	(0.26)	3.69	(0.53)
CAN	330436	9.70	298375	17.53	(0.50)	55.35	(0.58)	21.61	(0.49)	3.77	(0.21)	1.73	(0.13)
CZE	121183	4.09	116221	11.64	(0.52)	67.53	(0.77)	17.87	(0.52)	1.61	(0.20)	1.36	(0.37)
DNK	51741	0.65	51406	13.75	(0.60)	62.23	(0.89)	19.34	(0.70)	2.23	(0.25)	2.46	(0.30)
FIN	57884	0.07	57845	6.75	(0.38)	41.18	(0.77)	41.86	(0.77)	9.83	(0.51)	0.38	(.)
FRA	734579	0.87	728167	19.40	(0.74)	57.15	(0.91)	17.83	(0.56)	3.91	(0.39)	1.71	(0.26)
DEU	884358	5.57	835070	18.84	(0.65)	46.05	(0.80)	25.33	(0.67)	7.58	(0.48)	2.20	(0.28)
GRC	105131	0.13	104991	23.18	(0.73)	54.40	(0.87)	15.70	(0.67)	4.92	(0.33)	1.80	(0.31)
HUN	107044	0.06	106984	16.30	(0.59)	58.65	(0.76)	21.06	(0.63)	3.26	(0.25)	0.73	(0.13)
ISL	3928	0.63	3903	12.60	(0.57)	45.03	(0.84)	33.02	(0.64)	8.15	(0.49)	1.20	(0.19)
IRL	54850	1.05	54274	13.26	(0.47)	54.40	(0.83)	26.02	(0.70)	4.50	(0.30)	1.82	(0.24)
ITA	481521	0.22	480483	22.02	(0.70)	60.23	(0.70)	12.97	(0.56)	3.71	(0.28)	1.06	(0.19)
JPN	1240054	0.10	1238855	11.99	(0.55)	37.43	(0.80)	37.32	(0.75)	12.43	(0.64)	0.82	(0.26)
KOR	533504	.	533504	10.85	(0.51)	44.95	(0.96)	36.11	(0.88)	7.73	(0.40)	0.36	(.)
LUX	4080	0.08	4077	18.98	(0.63)	45.23	(0.69)	25.15	(0.62)	8.13	(0.44)	2.51	(0.22)
MEX	1071650	0.37	1067674	22.47	(0.76)	51.93	(0.65)	16.44	(0.57)	2.01	(0.19)	7.15	(0.67)
NLD	184943	3.37	178709	7.09	(0.47)	49.64	(1.19)	35.98	(1.08)	5.56	(0.49)	1.73	(0.35)
NZL	48638	1.30	48004	12.82	(0.53)	55.71	(0.93)	27.54	(0.80)	3.23	(0.25)	0.71	(.)
NOR	52816	0.77	52407	14.08	(0.49)	49.66	(0.92)	25.46	(0.77)	7.69	(0.45)	3.12	(0.47)
POL	534900	.	534900	12.55	(0.50)	61.41	(0.81)	22.53	(0.68)	2.55	(0.24)	0.95	(0.22)
PRT	96857	0.23	96637	13.30	(0.60)	62.83	(0.82)	18.63	(0.62)	3.53	(0.37)	1.72	(0.30)
SVK	77067	0.17	76935	13.61	(0.43)	63.22	(0.68)	19.17	(0.61)	2.84	(0.25)	1.15	(0.46)
ESP	344372	0.07	344114	12.93	(0.45)	52.20	(0.75)	27.34	(0.68)	5.82	(0.39)	1.70	(0.21)
SWE	107104	0.25	106838	14.70	(0.61)	55.75	(0.79)	22.32	(0.78)	5.51	(0.36)	1.72	(0.23)
CHE	86491	0.14	86370	19.96	(0.51)	50.78	(0.81)	22.49	(0.68)	4.98	(0.28)	1.78	(0.19)
TUR	481279	0.03	481137	14.95	(0.71)	40.43	(1.01)	29.81	(0.86)	6.30	(0.39)	8.50	(1.03)
GBR	698579	3.65	673085	9.95	(0.49)	53.57	(0.75)	30.54	(0.75)	4.07	(0.29)	1.88	(0.24)
USA	3147089	0.76	3123066	15.18	(0.58)	57.10	(0.88)	22.24	(0.68)	3.69	(0.26)	1.79	(0.27)
TOT	.	1.34	.	15.52	(0.20)	52.26	(0.27)	24.74	(0.21)	5.16	(0.12)	2.32	(0.10)
AVG	.	1.25	.	15.01	(0.10)	52.83	(0.16)	24.96	(0.13)	5.18	(0.07)	2.03	(0.07)
HKG	72484	0.21	72334	9.83	(0.52)	53.66	(0.84)	30.53	(0.81)	5.57	(0.40)	0.41	(.)
IDN	1971476	0.01	1971367	21.21	(0.75)	63.29	(0.83)	10.07	(0.45)	1.40	(0.19)	4.03	(0.49)
LVA	33643	0.22	33570	9.71	(0.57)	60.11	(0.94)	26.33	(0.83)	2.82	(0.29)	1.03	(0.18)
LIE	338	.	338	20.10	(1.97)	51.89	(2.57)	22.31	(2.28)	5.09	(.)	0.60	(.)
MAC	6546	.	6546	11.90	(1.07)	52.18	(1.73)	30.33	(1.47)	4.86	(0.65)	0.73	(.)
RUS	2153373	0.02	2152991	10.71	(0.41)	58.83	(0.79)	26.55	(0.78)	1.82	(0.23)	2.10	(0.26)
YUG	68596	0.57	68202	29.62	(0.82)	51.67	(0.95)	9.52	(0.52)	2.72	(0.29)	6.46	(0.84)
THA	637076	.	637076	7.91	(0.46)	65.00	(0.73)	25.09	(0.77)	1.08	(0.18)	0.92	(0.15)
TUN	150875	0.07	150770	43.21	(0.91)	41.93	(0.98)	8.57	(0.42)	2.79	(0.23)	3.49	(0.33)
URY	33775	0.15	33724	16.76	(0.52)	51.16	(1.01)	22.02	(0.73)	3.76	(0.28)	6.31	(0.45)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I cannot understand something in Mathematics, I always search for more information to clarify the problem.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	546 (3.53)	532 (2.13)	515 (3.35)	491 (6.41)	399 (9.25)
AUT	85931	1.08	85003	491 (4.67)	497 (3.88)	497 (4.34)	487 (6.71)	424 (33.72)
BEL	111831	1.79	109825	498 (5.74)	518 (2.69)	525 (3.13)	490 (9.38)	344 (18.56)
CAN	330436	9.70	298375	545 (2.69)	535 (1.79)	520 (2.25)	498 (4.88)	477 (6.47)
CZE	121183	4.09	116221	502 (4.94)	501 (2.74)	486 (4.38)	441 (11.90)	416 (25.06)
DNK	51741	0.65	51406	497 (5.33)	499 (2.79)	483 (4.76)	467 (10.86)	412 (14.30)
FIN	57884	0.07	57845	547 (4.94)	547 (2.61)	542 (1.93)	534 (4.43)	. (.)
FRA	734579	0.87	728167	505 (4.28)	502 (3.19)	494 (4.03)	452 (9.66)	377 (15.98)
DEU	884358	5.57	835070	495 (6.03)	506 (3.75)	508 (3.85)	507 (7.64)	344 (10.81)
GRC	105131	0.13	104991	481 (4.51)	479 (4.39)	465 (6.15)	439 (7.88)	307 (19.40)
HUN	107044	0.06	106984	487 (4.27)	484 (2.75)	478 (4.15)	476 (8.48)	354 (21.69)
ISL	3928	0.63	3903	488 (5.47)	488 (2.46)	504 (2.76)	494 (6.89)	368 (22.99)
IRL	54850	1.05	54274	526 (4.33)	522 (2.89)	509 (3.22)	484 (6.77)	397 (16.93)
ITA	481521	0.22	480483	476 (4.54)	482 (2.72)	467 (5.37)	443 (8.59)	347 (17.78)
JPN	1240054	0.10	1238855	518 (5.25)	511 (4.36)	499 (4.28)	451 (6.81)	342 (32.26)
KOR	533504	.	533504	575 (4.01)	554 (2.81)	509 (3.45)	488 (6.05)	. (.)
LUX	4080	0.08	4077	473 (4.55)	483 (2.16)	491 (3.25)	476 (6.46)	356 (12.66)
MEX	1071650	0.37	1067674	407 (4.85)	407 (3.84)	411 (5.27)	387 (10.58)	302 (6.61)
NLD	184943	3.37	178709	501 (7.05)	518 (2.74)	524 (3.74)	500 (9.70)	493 (10.69)
NZL	48638	1.30	48004	538 (5.63)	530 (2.66)	509 (3.56)	493 (9.42)	. (.)
NOR	52816	0.77	52407	523 (4.54)	511 (3.46)	495 (3.56)	447 (7.20)	401 (14.89)
POL	534900	.	534900	495 (5.19)	497 (2.96)	502 (3.80)	497 (10.71)	339 (22.27)
PRT	96857	0.23	96637	497 (5.42)	481 (4.00)	465 (5.03)	444 (7.75)	420 (19.32)
SVK	77067	0.17	76935	467 (6.73)	475 (2.97)	463 (3.95)	435 (9.77)	364 (41.01)
ESP	344372	0.07	344114	491 (4.15)	489 (2.57)	477 (3.70)	427 (7.46)	370 (15.50)
SWE	107104	0.25	106838	529 (4.59)	521 (2.79)	508 (3.66)	478 (7.28)	407 (20.92)
CHE	86491	0.14	86370	492 (4.09)	504 (3.22)	502 (4.33)	496 (10.77)	410 (17.90)
TUR	481279	0.03	481137	448 (7.44)	454 (6.54)	447 (5.62)	423 (6.90)	360 (5.53)
GBR	698579	3.65	673085	525 (5.40)	515 (3.31)	497 (3.20)	472 (7.94)	403 (12.02)
USA	3147089	0.76	3123066	504 (5.02)	503 (3.18)	489 (4.41)	448 (9.49)	360 (13.29)
TOT	.	1.34	.	492 (1.93)	496 (1.32)	490 (1.31)	460 (2.77)	350 (4.50)
AVG	.	1.25	.	497 (1.04)	501 (0.71)	497 (0.72)	473 (1.39)	373 (3.51)
HKG	72484	0.21	72334	524 (5.23)	515 (3.55)	505 (4.76)	470 (9.12)	. (.)
IDN	1971476	0.01	1971367	383 (4.19)	389 (3.26)	368 (5.72)	347 (12.69)	305 (9.21)
LVA	33643	0.22	33570	504 (6.53)	489 (4.01)	491 (4.26)	505 (10.60)	392 (18.16)
LIE	338	.	338	502 (11.17)	529 (6.42)	532 (10.83)	. (.)	. (.)
MAC	6546	.	6546	504 (6.34)	501 (3.86)	493 (4.53)	479 (11.44)	. (.)
RUS	2153373	0.02	2152991	444 (5.70)	445 (4.26)	444 (4.61)	451 (10.66)	329 (10.47)
YUG	68596	0.57	68202	417 (3.89)	418 (4.09)	419 (5.13)	395 (8.12)	345 (11.79)
THA	637076	.	637076	426 (6.36)	417 (3.07)	428 (3.59)	396 (14.68)	385 (19.10)
TUN	150875	0.07	150770	379 (3.79)	379 (3.27)	374 (5.22)	365 (8.89)	279 (9.98)
URY	33775	0.15	33724	429 (5.63)	443 (3.69)	447 (5.36)	423 (10.66)	339 (7.78)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I cannot understand something in Mathematics, I always search for more information to clarify the problem.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	547 (3.88)	532 (2.10)	509 (3.30)	481 (5.49)	417 (9.17)
AUT	85931	1.08	85003	503 (4.65)	511 (3.46)	511 (4.17)	505 (6.12)	441 (17.15)
BEL	111831	1.79	109825	515 (4.48)	540 (2.55)	550 (2.89)	512 (7.77)	384 (16.99)
CAN	330436	9.70	298375	557 (2.68)	540 (1.88)	520 (2.27)	498 (4.93)	487 (6.06)
CZE	121183	4.09	116221	528 (5.45)	527 (3.14)	512 (4.77)	476 (13.55)	442 (25.28)
DNK	51741	0.65	51406	528 (5.33)	520 (2.89)	500 (3.50)	478 (11.68)	447 (12.85)
FIN	57884	0.07	57845	562 (5.42)	551 (2.58)	540 (2.02)	524 (4.46)	. (.)
FRA	734579	0.87	728167	522 (4.10)	517 (2.76)	504 (3.77)	464 (8.43)	421 (15.12)
DEU	884358	5.57	835070	505 (5.43)	514 (3.81)	520 (3.91)	515 (7.73)	392 (9.75)
GRC	105131	0.13	104991	452 (4.79)	451 (4.04)	435 (5.04)	417 (6.75)	345 (14.44)
HUN	107044	0.06	106984	493 (4.23)	491 (3.19)	489 (4.14)	489 (10.41)	404 (20.87)
ISL	3928	0.63	3903	513 (4.65)	513 (2.07)	522 (2.54)	515 (6.62)	431 (20.79)
IRL	54850	1.05	54274	516 (4.51)	510 (2.44)	495 (3.33)	461 (6.21)	397 (11.73)
ITA	481521	0.22	480483	462 (4.13)	471 (3.17)	459 (5.13)	442 (7.12)	369 (11.85)
JPN	1240054	0.10	1238855	560 (5.90)	547 (4.57)	533 (4.06)	483 (6.37)	416 (23.30)
KOR	533504	.	533504	599 (4.46)	566 (3.32)	509 (3.32)	481 (5.41)	. (.)
LUX	4080	0.08	4077	482 (3.16)	496 (1.95)	502 (2.86)	499 (5.90)	415 (9.47)
MEX	1071650	0.37	1067674	393 (4.83)	391 (3.47)	396 (4.31)	371 (8.95)	301 (6.78)
NLD	184943	3.37	178709	528 (7.81)	543 (2.92)	552 (4.09)	521 (10.52)	482 (9.77)
NZL	48638	1.30	48004	544 (5.21)	532 (2.69)	510 (3.07)	485 (9.56)	. (.)
NOR	52816	0.77	52407	519 (4.31)	504 (2.90)	491 (3.02)	444 (5.35)	410 (10.33)
POL	534900	.	534900	491 (4.56)	490 (2.66)	494 (3.41)	501 (9.74)	368 (18.58)
PRT	96857	0.23	96637	488 (5.23)	471 (3.45)	449 (4.95)	422 (7.45)	418 (15.77)
SVK	77067	0.17	76935	491 (6.76)	504 (3.13)	494 (4.48)	468 (9.00)	407 (38.70)
ESP	344372	0.07	344114	489 (4.93)	495 (2.35)	480 (3.35)	444 (5.74)	383 (12.09)
SWE	107104	0.25	106838	524 (4.83)	515 (2.96)	501 (3.40)	475 (6.11)	421 (19.01)
CHE	86491	0.14	86370	522 (4.18)	532 (3.34)	526 (4.45)	520 (10.01)	447 (14.36)
TUR	481279	0.03	481137	436 (8.25)	437 (7.90)	428 (6.37)	404 (6.29)	336 (5.56)
GBR	698579	3.65	673085	530 (5.07)	517 (3.00)	495 (3.45)	474 (7.42)	412 (12.83)
USA	3147089	0.76	3123066	489 (4.67)	490 (3.00)	478 (3.45)	444 (9.45)	377 (12.16)
TOT	.	1.34	.	492 (1.84)	496 (1.17)	493 (1.21)	468 (2.79)	362 (4.42)
AVG	.	1.25	.	503 (1.08)	506 (0.67)	502 (0.67)	479 (1.27)	389 (3.34)
HKG	72484	0.21	72334	578 (6.74)	559 (4.46)	538 (5.48)	491 (8.95)	. (.)
IDN	1971476	0.01	1971367	360 (4.37)	369 (3.96)	343 (6.47)	317 (12.31)	285 (6.84)
LVA	33643	0.22	33570	491 (7.05)	482 (4.01)	485 (4.47)	499 (11.74)	403 (13.48)
LIE	338	.	338	512 (11.24)	537 (6.54)	549 (13.70)	. (.)	. (.)
MAC	6546	.	6546	548 (7.26)	531 (4.19)	517 (6.56)	507 (15.03)	. (.)
RUS	2153373	0.02	2152991	476 (5.66)	470 (4.29)	470 (4.84)	467 (9.89)	379 (6.98)
YUG	68596	0.57	68202	437 (4.14)	445 (4.00)	446 (5.09)	422 (9.32)	366 (9.59)
THA	637076	.	637076	427 (6.05)	414 (3.22)	423 (3.70)	388 (11.92)	393 (15.52)
TUN	150875	0.07	150770	368 (3.31)	359 (3.20)	345 (4.38)	337 (6.89)	301 (6.64)
URY	33775	0.15	33724	417 (5.84)	429 (3.14)	436 (4.00)	421 (10.00)	329 (6.38)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I cannot understand something in Mathematics, I always search for more information to clarify the problem.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	550 (3.70)	533 (2.26)	510 (3.17)	485 (6.92)	411 (9.56)
AUT	85931	1.08	85003	487 (4.80)	495 (3.75)	498 (4.28)	492 (6.13)	433 (21.65)
BEL	111831	1.79	109825	501 (4.48)	519 (2.88)	525 (2.67)	490 (8.86)	354 (15.28)
CAN	330436	9.70	298375	538 (3.02)	527 (2.11)	510 (2.51)	486 (5.48)	468 (8.12)
CZE	121183	4.09	116221	533 (5.47)	533 (3.00)	518 (4.77)	477 (13.72)	450 (27.08)
DNK	51741	0.65	51406	488 (5.92)	482 (3.08)	462 (4.45)	451 (11.81)	376 (14.90)
FIN	57884	0.07	57845	561 (6.25)	554 (2.95)	544 (2.29)	533 (4.71)	. (.)
FRA	734579	0.87	728167	524 (5.28)	517 (3.53)	506 (5.00)	460 (11.19)	405 (18.89)
DEU	884358	5.57	835070	506 (5.85)	515 (4.01)	519 (4.46)	518 (8.24)	371 (11.28)
GRC	105131	0.13	104991	490 (4.51)	486 (4.12)	473 (5.79)	449 (7.82)	387 (14.65)
HUN	107044	0.06	106984	505 (5.08)	504 (3.01)	503 (4.31)	510 (10.46)	381 (21.42)
ISL	3928	0.63	3903	490 (4.90)	491 (2.26)	504 (2.87)	504 (6.25)	402 (20.01)
IRL	54850	1.05	54274	519 (5.16)	511 (3.12)	498 (3.41)	471 (8.15)	409 (13.26)
ITA	481521	0.22	480483	487 (4.90)	492 (3.21)	480 (5.50)	463 (8.97)	352 (16.84)
JPN	1240054	0.10	1238855	575 (6.58)	560 (4.78)	546 (4.26)	497 (6.70)	431 (26.01)
KOR	533504	.	533504	593 (4.98)	563 (3.59)	505 (3.74)	482 (6.22)	. (.)
LUX	4080	0.08	4077	473 (3.82)	486 (2.44)	493 (3.27)	489 (6.63)	374 (14.12)
MEX	1071650	0.37	1067674	414 (4.40)	409 (3.58)	414 (3.81)	394 (8.37)	331 (6.85)
NLD	184943	3.37	178709	510 (8.56)	527 (3.30)	539 (4.17)	509 (11.46)	460 (13.38)
NZL	48638	1.30	48004	539 (5.49)	530 (2.85)	506 (3.50)	494 (9.14)	. (.)
NOR	52816	0.77	52407	508 (4.89)	495 (3.43)	479 (4.05)	434 (6.67)	387 (11.03)
POL	534900	.	534900	502 (5.45)	497 (3.11)	501 (4.09)	506 (11.95)	394 (17.06)
PRT	96857	0.23	96637	486 (5.22)	471 (3.71)	456 (4.97)	434 (7.61)	404 (17.73)
SVK	77067	0.17	76935	492 (7.35)	502 (3.31)	486 (6.75)	472 (9.26)	380 (35.25)
ESP	344372	0.07	344114	493 (5.16)	497 (2.65)	484 (4.03)	440 (7.41)	359 (16.70)
SWE	107104	0.25	106838	521 (5.01)	512 (3.19)	499 (4.12)	471 (7.27)	405 (22.16)
CHE	86491	0.14	86370	508 (5.46)	520 (3.70)	510 (4.53)	500 (12.13)	443 (14.54)
TUR	481279	0.03	481137	442 (7.73)	446 (7.06)	437 (5.51)	416 (6.12)	368 (5.48)
GBR	698579	3.65	673085	539 (5.56)	528 (3.31)	507 (3.41)	485 (8.89)	396 (12.29)
USA	3147089	0.76	3123066	499 (5.22)	499 (3.10)	486 (3.90)	456 (9.26)	364 (16.01)
TOT	.	1.34	.	500 (1.92)	502 (1.22)	499 (1.35)	476 (2.79)	368 (4.43)
AVG	.	1.25	.	503 (1.08)	506 (0.67)	501 (0.74)	480 (1.34)	386 (3.29)
HKG	72484	0.21	72334	561 (6.26)	546 (4.12)	532 (5.30)	492 (8.66)	. (.)
IDN	1971476	0.01	1971367	399 (3.64)	400 (3.22)	382 (5.33)	360 (12.12)	342 (6.47)
LVA	33643	0.22	33570	500 (7.44)	489 (4.26)	488 (4.85)	503 (11.85)	402 (16.56)
LIE	338	.	338	498 (11.85)	529 (7.03)	537 (12.55)	. (.)	. (.)
MAC	6546	.	6546	544 (7.63)	530 (5.12)	516 (5.51)	490 (15.94)	. (.)
RUS	2153373	0.02	2152991	495 (5.98)	491 (4.42)	491 (4.87)	486 (11.57)	377 (10.02)
YUG	68596	0.57	68202	438 (4.14)	441 (3.84)	441 (5.28)	425 (9.67)	394 (11.48)
THA	637076	.	637076	437 (5.07)	425 (2.81)	437 (3.57)	420 (16.29)	423 (15.81)
TUN	150875	0.07	150770	393 (3.26)	385 (3.18)	377 (5.56)	369 (9.84)	308 (8.49)
URY	33775	0.15	33724	436 (6.63)	445 (3.06)	450 (4.34)	432 (9.11)	352 (7.69)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I cannot understand something in Mathematics, I always search for more information to clarify the problem.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	549 (3.72)	537 (1.96)	517 (3.09)	492 (5.60)	426 (8.44)
AUT	85931	1.08	85003	503 (4.45)	511 (3.33)	512 (4.11)	508 (5.94)	432 (18.67)
BEL	111831	1.79	109825	512 (5.03)	535 (2.59)	543 (2.62)	505 (7.90)	398 (10.84)
CAN	330436	9.70	298375	553 (2.40)	538 (1.83)	518 (2.47)	492 (5.05)	486 (5.51)
CZE	121183	4.09	116221	528 (5.09)	527 (3.03)	513 (4.38)	474 (12.90)	446 (28.41)
DNK	51741	0.65	51406	527 (5.56)	523 (2.64)	505 (3.68)	491 (10.79)	440 (13.73)
FIN	57884	0.07	57845	564 (6.01)	554 (2.70)	544 (2.19)	532 (5.00)	. (.)
FRA	734579	0.87	728167	527 (4.42)	526 (2.98)	513 (3.99)	473 (8.81)	433 (16.44)
DEU	884358	5.57	835070	512 (5.45)	523 (3.76)	527 (3.85)	524 (6.93)	395 (9.81)
GRC	105131	0.13	104991	453 (5.01)	456 (4.18)	440 (5.99)	416 (6.94)	330 (14.86)
HUN	107044	0.06	106984	503 (4.14)	502 (3.26)	498 (4.03)	501 (10.05)	428 (19.69)
ISL	3928	0.63	3903	503 (4.65)	503 (2.42)	512 (2.32)	505 (5.88)	416 (22.05)
IRL	54850	1.05	54274	508 (4.28)	506 (2.41)	491 (3.03)	460 (5.87)	392 (11.93)
ITA	481521	0.22	480483	466 (4.11)	476 (3.06)	464 (5.60)	444 (8.48)	340 (14.04)
JPN	1240054	0.10	1238855	571 (5.84)	560 (4.62)	547 (4.16)	497 (7.16)	415 (38.03)
KOR	533504	.	533504	596 (4.38)	571 (3.01)	523 (3.41)	500 (5.71)	. (.)
LUX	4080	0.08	4077	485 (3.86)	497 (2.07)	502 (2.92)	494 (6.31)	411 (10.18)
MEX	1071650	0.37	1067674	392 (5.62)	391 (4.31)	396 (5.24)	370 (10.61)	291 (7.66)
NLD	184943	3.37	178709	507 (7.62)	524 (2.85)	532 (4.68)	502 (10.43)	457 (11.57)
NZL	48638	1.30	48004	547 (4.98)	541 (2.54)	521 (3.13)	499 (9.81)	. (.)
NOR	52816	0.77	52407	512 (4.87)	500 (3.12)	487 (3.21)	433 (6.06)	411 (12.91)
POL	534900	.	534900	486 (5.02)	487 (2.87)	491 (3.62)	495 (9.81)	354 (29.39)
PRT	96857	0.23	96637	490 (5.42)	475 (3.92)	452 (5.33)	417 (8.14)	420 (19.38)
SVK	77067	0.17	76935	485 (6.76)	497 (3.23)	489 (4.44)	460 (9.47)	410 (43.43)
ESP	344372	0.07	344114	486 (4.96)	492 (2.63)	478 (3.76)	439 (5.98)	374 (12.67)
SWE	107104	0.25	106838	520 (4.47)	514 (2.87)	503 (3.14)	474 (6.25)	433 (18.14)
CHE	86491	0.14	86370	517 (4.24)	526 (3.04)	522 (3.89)	518 (9.36)	424 (15.26)
TUR	481279	0.03	481137	419 (7.92)	421 (6.84)	412 (5.53)	391 (5.96)	319 (5.73)
GBR	698579	3.65	673085	527 (5.40)	519 (3.06)	498 (3.32)	473 (7.58)	427 (13.04)
USA	3147089	0.76	3123066	486 (5.09)	485 (3.22)	471 (3.96)	433 (9.30)	361 (13.51)
TOT	.	1.34	.	492 (1.86)	496 (1.28)	494 (1.31)	471 (2.84)	354 (5.06)
AVG	.	1.25	.	501 (1.05)	506 (0.68)	502 (0.71)	480 (1.33)	384 (3.54)
HKG	72484	0.21	72334	573 (6.25)	555 (4.17)	538 (5.24)	498 (9.28)	. (.)
IDN	1971476	0.01	1971367	360 (4.03)	368 (3.50)	350 (5.54)	331 (10.91)	297 (7.12)
LVA	33643	0.22	33570	494 (6.84)	481 (4.11)	484 (4.88)	502 (10.47)	387 (15.68)
LIE	338	.	338	506 (11.28)	532 (7.17)	539 (13.20)	. (.)	. (.)
MAC	6546	.	6546	547 (7.31)	537 (3.64)	524 (6.18)	506 (15.46)	. (.)
RUS	2153373	0.02	2152991	484 (6.45)	481 (4.50)	479 (5.91)	478 (11.41)	371 (11.25)
YUG	68596	0.57	68202	418 (3.56)	430 (3.70)	434 (5.50)	406 (9.05)	345 (10.73)
THA	637076	.	637076	438 (6.36)	423 (2.90)	429 (3.65)	398 (12.08)	399 (19.53)
TUN	150875	0.07	150770	350 (2.78)	347 (2.62)	336 (4.71)	333 (8.67)	284 (6.67)
URY	33775	0.15	33724	403 (5.81)	419 (3.76)	426 (4.53)	411 (11.60)	313 (7.77)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving a Mathematics problem, I often think about how the solution might be applied to other interesting questions.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.37	234726	5.14	(0.23)	35.42	(0.47)	50.83	(0.51)	7.27	(0.26)	1.34	(0.16)
AUT	85931	1.08	85003	5.80	(0.40)	22.37	(0.75)	45.24	(0.86)	25.28	(0.76)	1.31	(0.59)
BEL	111831	1.79	109825	5.93	(0.32)	32.75	(0.67)	48.34	(0.73)	9.22	(0.39)	3.77	(0.52)
CAN	330436	9.70	298375	6.98	(0.29)	35.30	(0.49)	48.73	(0.53)	7.30	(0.28)	1.69	(0.16)
CZE	121183	4.09	116221	4.19	(0.29)	33.66	(0.73)	54.76	(0.85)	5.92	(0.32)	1.47	(0.37)
DNK	51741	0.65	51406	5.73	(0.41)	34.82	(0.80)	50.67	(0.82)	5.77	(0.32)	3.01	(0.35)
FIN	57884	0.07	57845	3.10	(0.23)	23.51	(0.57)	61.70	(0.68)	11.34	(0.45)	0.36	(.)
FRA	734579	0.87	728167	8.54	(0.43)	38.47	(0.75)	42.44	(0.83)	8.69	(0.46)	1.87	(0.27)
DEU	884358	5.57	835070	6.29	(0.36)	20.49	(0.75)	44.94	(0.81)	25.74	(0.73)	2.54	(0.34)
GRC	105131	0.13	104991	11.41	(0.60)	43.76	(0.89)	36.75	(0.96)	6.02	(0.38)	2.05	(0.36)
HUN	107044	0.06	106984	4.48	(0.33)	26.38	(0.66)	57.98	(0.81)	10.38	(0.50)	0.77	(0.13)
ISL	3928	0.63	3903	7.79	(0.49)	30.15	(0.70)	45.61	(0.75)	15.33	(0.67)	1.13	(0.20)
IRL	54850	1.05	54274	4.63	(0.35)	28.18	(0.90)	56.75	(0.88)	8.68	(0.47)	1.76	(0.26)
ITA	481521	0.17	480697	7.17	(0.34)	35.34	(0.84)	48.79	(0.79)	7.56	(0.45)	1.13	(0.17)
JPN	1240054	0.10	1238855	4.68	(0.35)	16.03	(0.66)	49.47	(0.79)	29.09	(0.87)	0.73	(0.26)
KOR	533504	.	533504	4.11	(0.27)	23.02	(0.78)	58.62	(0.81)	13.96	(0.50)	0.29	(.)
LUX	4080	0.08	4077	8.04	(0.38)	27.49	(0.71)	43.64	(0.71)	18.07	(0.60)	2.77	(0.25)
MEX	1071650	0.37	1067674	14.79	(0.68)	47.62	(0.58)	27.60	(0.73)	2.46	(0.22)	7.52	(0.70)
NLD	184943	3.42	178618	3.40	(0.36)	31.57	(0.87)	56.06	(1.04)	7.09	(0.51)	1.89	(0.38)
NZL	48638	1.33	47990	5.62	(0.43)	36.68	(0.82)	50.35	(0.87)	6.22	(0.40)	1.13	(0.16)
NOR	52816	0.77	52407	6.07	(0.46)	27.58	(0.71)	47.31	(0.80)	15.69	(0.57)	3.36	(0.47)
POL	534900	.	534900	5.82	(0.39)	39.30	(0.80)	48.85	(0.80)	4.77	(0.33)	1.25	(0.23)
PRT	96857	0.23	96637	8.37	(0.54)	50.49	(0.84)	33.98	(0.83)	5.54	(0.37)	1.62	(0.30)
SVK	77067	0.06	77022	5.51	(0.33)	37.40	(0.88)	50.96	(0.92)	4.86	(0.38)	1.27	(0.47)
ESP	344372	0.07	344114	7.81	(0.50)	35.16	(0.63)	46.20	(0.82)	9.10	(0.39)	1.73	(0.21)
SWE	107104	0.25	106838	3.51	(0.35)	28.46	(0.71)	56.83	(0.85)	9.43	(0.42)	1.77	(0.22)
CHE	86491	0.14	86370	6.70	(0.37)	29.50	(1.00)	47.00	(0.99)	15.19	(0.47)	1.61	(0.20)
TUR	481279	0.03	481137	13.23	(0.64)	39.41	(1.09)	30.37	(1.01)	9.03	(0.51)	7.96	(1.02)
GBR	698579	3.65	673085	4.81	(0.34)	32.80	(0.79)	53.17	(0.89)	7.03	(0.39)	2.20	(0.24)
USA	3147089	0.76	3123066	8.60	(0.49)	38.34	(0.76)	42.71	(0.82)	8.68	(0.43)	1.67	(0.26)
TOT	.	1.34	.	7.70	(0.16)	33.72	(0.25)	44.79	(0.29)	11.42	(0.16)	2.36	(0.10)
AVG	.	1.25	.	6.62	(0.07)	32.73	(0.15)	47.87	(0.16)	10.69	(0.08)	2.10	(0.07)
HKG	72484	0.21	72334	5.31	(0.31)	37.69	(0.88)	49.94	(0.79)	6.53	(0.39)	0.53	(.)
IDN	1971476	0.03	1970972	8.62	(0.48)	59.06	(0.94)	26.59	(0.82)	1.20	(0.16)	4.52	(0.45)
LVA	33643	0.22	33570	3.64	(0.33)	33.81	(1.01)	54.80	(1.11)	6.52	(0.54)	1.24	(0.18)
LIE	338	.	338	6.67	(.)	27.81	(2.21)	47.28	(2.60)	17.34	(2.02)	0.89	(.)
MAC	6546	.	6546	5.41	(0.66)	34.39	(1.57)	52.85	(1.63)	6.65	(0.79)	0.70	(.)
RUS	2153373	0.02	2152991	5.81	(0.29)	40.77	(0.82)	47.28	(0.87)	3.52	(0.24)	2.62	(0.29)
YUG	68596	0.60	68184	12.37	(0.62)	45.00	(1.17)	29.85	(0.96)	5.24	(0.41)	7.54	(0.87)
THA	637076	.	637076	7.70	(0.52)	65.73	(0.67)	24.46	(0.78)	1.18	(0.20)	0.93	(0.18)
TUN	150875	0.07	150770	32.33	(0.87)	48.55	(0.87)	11.78	(0.65)	2.85	(0.25)	4.50	(0.36)
URY	33775	0.15	33724	10.63	(0.56)	37.71	(0.90)	38.21	(0.91)	6.52	(0.37)	6.94	(0.49)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving a Mathematics problem, I often think about how the solution might be applied to other interesting questions.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	519 (5.16)	508 (2.39)	540 (2.48)	541 (4.13)	383 (8.69)
AUT	85931	1.08	85003	440 (10.19)	467 (4.44)	498 (3.34)	523 (4.64)	427 (39.83)
BEL	111831	1.79	109825	456 (7.10)	494 (3.47)	538 (2.03)	528 (5.80)	346 (18.63)
CAN	330436	9.70	298375	523 (5.09)	519 (2.42)	542 (1.62)	536 (3.62)	484 (8.86)
CZE	121183	4.09	116221	489 (7.62)	488 (3.08)	504 (3.10)	500 (5.82)	405 (25.86)
DNK	51741	0.65	51406	489 (7.65)	486 (3.64)	502 (2.92)	499 (7.71)	418 (14.65)
FIN	57884	0.07	57845	523 (9.25)	536 (3.17)	547 (1.79)	549 (3.52)	. (.)
FRA	734579	0.87	728167	467 (5.80)	489 (3.45)	516 (3.01)	500 (6.94)	378 (13.04)
DEU	884358	5.57	835070	457 (7.88)	469 (5.26)	514 (3.40)	528 (4.45)	363 (10.95)
GRC	105131	0.13	104991	459 (7.33)	472 (4.52)	486 (4.13)	469 (7.43)	322 (18.36)
HUN	107044	0.06	106984	448 (10.71)	462 (4.19)	491 (2.63)	508 (5.45)	333 (19.83)
ISL	3928	0.63	3903	461 (8.09)	478 (3.43)	506 (3.05)	506 (3.99)	360 (21.82)
IRL	54850	1.05	54274	496 (7.62)	496 (3.89)	529 (2.81)	521 (5.37)	399 (16.33)
ITA	481521	0.17	480697	439 (6.34)	458 (3.86)	493 (2.90)	500 (5.32)	353 (16.50)
JPN	1240054	0.10	1238855	514 (8.19)	498 (7.07)	501 (3.82)	496 (4.64)	312 (41.37)
KOR	533504	.	533504	567 (7.23)	547 (3.59)	532 (3.28)	517 (4.59)	. (.)
LUX	4080	0.08	4077	443 (6.78)	457 (3.48)	499 (2.02)	501 (3.20)	365 (11.87)
MEX	1071650	0.37	1067674	394 (5.91)	400 (4.08)	428 (4.99)	407 (8.94)	303 (6.59)
NLD	184943	3.42	178618	486 (8.89)	500 (3.79)	530 (2.93)	525 (7.56)	481 (11.98)
NZL	48638	1.33	47990	496 (8.73)	506 (3.26)	539 (2.64)	543 (5.81)	431 (14.80)
NOR	52816	0.77	52407	475 (9.67)	501 (3.92)	513 (2.90)	492 (5.04)	403 (13.41)
POL	534900	.	534900	491 (7.65)	482 (3.43)	511 (2.93)	509 (7.98)	372 (22.30)
PRT	96857	0.23	96637	472 (7.16)	474 (4.14)	491 (4.02)	459 (7.53)	430 (18.02)
SVK	77067	0.06	77022	436 (8.26)	458 (3.69)	482 (3.39)	483 (7.53)	367 (35.47)
ESP	344372	0.07	344114	471 (4.93)	476 (3.06)	494 (3.01)	457 (6.25)	363 (14.66)
SWE	107104	0.25	106838	477 (11.41)	507 (3.87)	524 (2.38)	511 (6.00)	418 (16.20)
CHE	86491	0.14	86370	463 (7.45)	476 (4.13)	513 (3.16)	526 (5.19)	399 (14.78)
TUR	481279	0.03	481137	445 (7.50)	449 (6.34)	454 (6.44)	430 (7.66)	361 (5.35)
GBR	698579	3.65	673085	497 (7.16)	488 (3.31)	521 (3.14)	518 (6.61)	419 (10.73)
USA	3147089	0.76	3123066	481 (7.09)	479 (3.31)	517 (3.11)	506 (6.82)	355 (13.94)
TOT	.	1.34	.	465 (2.77)	473 (1.36)	508 (1.20)	503 (2.16)	351 (4.22)
AVG	.	1.25	.	467 (1.53)	481 (0.83)	511 (0.64)	507 (1.10)	375 (3.34)
HKG	72484	0.21	72334	516 (7.39)	506 (4.39)	516 (3.62)	488 (8.58)	. (.)
IDN	1971476	0.03	1970972	379 (6.36)	391 (3.49)	375 (3.63)	344 (12.57)	312 (7.11)
LVA	33643	0.22	33570	477 (11.12)	474 (4.53)	502 (3.79)	506 (8.30)	405 (16.58)
LIE	338	.	338	. (.)	505 (9.96)	533 (6.06)	556 (11.01)	. (.)
MAC	6546	.	6546	487 (10.64)	495 (4.28)	502 (3.11)	489 (8.70)	. (.)
RUS	2153373	0.02	2152991	438 (7.23)	439 (4.31)	450 (4.09)	464 (7.94)	336 (10.11)
YUG	68596	0.60	68184	402 (5.27)	414 (3.56)	428 (4.14)	433 (7.23)	344 (10.70)
THA	637076	.	637076	421 (5.70)	421 (2.81)	420 (4.12)	400 (10.79)	384 (20.91)
TUN	150875	0.07	150770	378 (4.33)	380 (3.14)	377 (5.69)	363 (9.36)	292 (8.99)
URY	33775	0.15	33724	432 (7.20)	429 (4.20)	456 (4.12)	437 (8.28)	341 (7.40)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving a Mathematics problem, I often think about how the solution might be applied to other interesting questions.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	533 (5.19)	515 (2.34)	533 (2.35)	526 (4.10)	404 (8.40)
AUT	85931	1.08	85003	474 (8.77)	495 (4.33)	511 (3.11)	522 (4.18)	440 (20.39)
BEL	111831	1.79	109825	486 (6.72)	523 (3.44)	557 (2.22)	531 (5.04)	383 (16.71)
CAN	330436	9.70	298375	550 (4.94)	531 (2.29)	541 (1.65)	527 (3.24)	491 (7.90)
CZE	121183	4.09	116221	526 (8.30)	523 (3.63)	525 (3.65)	516 (5.68)	434 (25.27)
DNK	51741	0.65	51406	537 (7.58)	516 (3.39)	517 (2.87)	499 (7.41)	448 (14.01)
FIN	57884	0.07	57845	564 (10.15)	553 (3.32)	543 (1.92)	530 (3.69)	. (.)
FRA	734579	0.87	728167	491 (5.42)	510 (3.26)	524 (2.98)	500 (5.40)	414 (12.22)
DEU	884358	5.57	835070	490 (7.93)	492 (5.26)	521 (3.20)	524 (4.58)	401 (10.19)
GRC	105131	0.13	104991	452 (7.21)	449 (4.19)	447 (4.12)	423 (5.77)	345 (12.47)
HUN	107044	0.06	106984	471 (9.82)	477 (4.57)	496 (2.96)	504 (5.82)	376 (17.55)
ISL	3928	0.63	3903	504 (6.53)	508 (2.87)	524 (2.40)	517 (4.16)	419 (18.85)
IRL	54850	1.05	54274	497 (7.43)	495 (3.65)	512 (2.72)	490 (5.51)	398 (11.20)
ITA	481521	0.17	480697	451 (6.15)	457 (3.76)	475 (3.19)	473 (4.56)	375 (10.19)
JPN	1240054	0.10	1238855	567 (9.14)	546 (7.85)	538 (3.87)	519 (4.28)	396 (27.60)
KOR	533504	.	533504	603 (8.17)	568 (4.22)	536 (3.35)	509 (4.27)	. (.)
LUX	4080	0.08	4077	480 (4.98)	480 (2.68)	506 (1.76)	500 (2.85)	420 (8.70)
MEX	1071650	0.37	1067674	385 (5.50)	387 (3.52)	406 (4.58)	376 (7.17)	302 (6.30)
NLD	184943	3.42	178618	518 (10.75)	531 (3.92)	555 (2.92)	535 (7.32)	471 (9.79)
NZL	48638	1.33	47990	522 (8.41)	513 (2.98)	537 (2.30)	529 (5.74)	421 (13.15)
NOR	52816	0.77	52407	480 (7.37)	502 (3.68)	504 (2.56)	480 (3.79)	415 (9.27)
POL	534900	.	534900	504 (7.77)	484 (3.29)	497 (2.50)	487 (6.48)	383 (16.85)
PRT	96857	0.23	96637	474 (7.10)	467 (3.57)	470 (3.70)	432 (7.04)	421 (16.48)
SVK	77067	0.06	77022	473 (8.96)	494 (3.71)	506 (3.58)	503 (6.87)	413 (33.39)
ESP	344372	0.07	344114	481 (5.12)	488 (2.55)	494 (2.91)	457 (4.88)	375 (11.50)
SWE	107104	0.25	106838	498 (11.71)	512 (3.91)	514 (2.42)	494 (5.07)	416 (14.38)
CHE	86491	0.14	86370	509 (7.12)	514 (4.07)	536 (3.50)	538 (5.47)	439 (16.39)
TUR	481279	0.03	481137	434 (8.77)	431 (7.75)	434 (6.70)	412 (7.11)	339 (5.32)
GBR	698579	3.65	673085	508 (7.21)	497 (3.13)	517 (3.13)	513 (5.86)	425 (10.74)
USA	3147089	0.76	3123066	477 (6.70)	470 (3.07)	500 (2.94)	488 (6.34)	376 (13.52)
TOT	.	1.34	.	473 (2.67)	476 (1.33)	506 (1.07)	502 (1.99)	363 (4.29)
AVG	.	1.25	.	485 (1.62)	492 (0.81)	513 (0.59)	504 (1.04)	390 (3.09)
HKG	72484	0.21	72334	578 (9.04)	554 (5.46)	551 (4.43)	507 (8.88)	. (.)
IDN	1971476	0.03	1970972	358 (6.58)	371 (4.06)	350 (4.17)	319 (11.43)	290 (6.16)
LVA	33643	0.22	33570	476 (11.50)	475 (4.88)	490 (3.61)	492 (8.46)	411 (12.48)
LIE	338	.	338	. (.)	535 (11.47)	537 (7.47)	550 (12.94)	. (.)
MAC	6546	.	6546	553 (14.26)	529 (6.17)	527 (4.00)	504 (10.89)	. (.)
RUS	2153373	0.02	2152991	479 (7.56)	468 (4.72)	472 (4.09)	478 (7.54)	380 (6.55)
YUG	68596	0.60	68184	429 (6.28)	442 (3.64)	450 (4.23)	445 (6.15)	367 (8.84)
THA	637076	.	637076	426 (6.90)	419 (2.97)	410 (3.60)	390 (11.81)	385 (17.42)
TUN	150875	0.07	150770	369 (2.99)	360 (3.08)	351 (4.37)	337 (6.87)	301 (6.13)
URY	33775	0.15	33724	431 (5.74)	421 (3.85)	437 (3.30)	421 (7.61)	330 (5.99)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving a Mathematics problem, I often think about how the solution might be applied to other interesting questions.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	530 (5.15)	514 (2.61)	536 (2.37)	530 (4.30)	397 (8.82)
AUT	85931	1.08	85003	447 (9.14)	474 (4.27)	496 (3.31)	516 (4.19)	428 (26.56)
BEL	111831	1.79	109825	465 (7.08)	501 (3.42)	535 (2.33)	519 (5.53)	355 (14.92)
CAN	330436	9.70	298375	525 (5.68)	513 (2.77)	531 (1.81)	522 (4.02)	472 (9.54)
CZE	121183	4.09	116221	529 (9.18)	525 (3.83)	533 (3.56)	527 (6.04)	439 (28.04)
DNK	51741	0.65	51406	490 (8.18)	476 (3.87)	480 (3.19)	470 (7.70)	383 (15.61)
FIN	57884	0.07	57845	556 (11.40)	551 (3.71)	548 (2.01)	542 (3.99)	. (.)
FRA	734579	0.87	728167	489 (7.60)	508 (3.78)	528 (3.64)	501 (7.32)	398 (15.67)
DEU	884358	5.57	835070	485 (8.32)	488 (6.03)	522 (3.52)	529 (4.74)	385 (12.21)
GRC	105131	0.13	104991	487 (7.14)	484 (4.02)	484 (4.70)	461 (8.62)	397 (16.06)
HUN	107044	0.06	106984	483 (10.86)	488 (4.15)	509 (2.90)	527 (6.08)	368 (19.26)
ISL	3928	0.63	3903	478 (7.80)	485 (3.54)	505 (2.75)	503 (4.38)	392 (18.36)
IRL	54850	1.05	54274	491 (8.91)	491 (3.98)	516 (2.90)	504 (5.70)	404 (13.20)
ITA	481521	0.17	480697	467 (7.39)	474 (4.37)	499 (3.13)	505 (5.72)	364 (16.14)
JPN	1240054	0.10	1238855	575 (9.05)	556 (7.68)	550 (4.07)	539 (4.53)	408 (32.72)
KOR	533504	.	533504	589 (8.91)	562 (4.54)	532 (3.57)	514 (5.01)	. (.)
LUX	4080	0.08	4077	462 (6.20)	466 (3.57)	498 (2.18)	496 (3.31)	382 (11.51)
MEX	1071650	0.37	1067674	405 (5.45)	406 (3.33)	422 (4.21)	405 (7.80)	333 (7.62)
NLD	184943	3.42	178618	490 (10.75)	512 (4.78)	543 (3.14)	530 (8.07)	451 (13.00)
NZL	48638	1.33	47990	508 (8.69)	506 (2.92)	537 (2.79)	537 (5.64)	429 (15.77)
NOR	52816	0.77	52407	471 (8.29)	489 (4.32)	496 (3.15)	470 (4.71)	390 (10.58)
POL	534900	.	534900	507 (8.46)	487 (3.69)	506 (3.21)	507 (7.58)	413 (15.71)
PRT	96857	0.23	96637	470 (6.59)	465 (3.86)	478 (4.11)	448 (6.93)	410 (17.63)
SVK	77067	0.06	77022	471 (9.49)	490 (3.77)	503 (4.34)	508 (8.41)	380 (31.65)
ESP	344372	0.07	344114	487 (6.47)	488 (2.42)	497 (3.28)	458 (5.97)	347 (15.28)
SWE	107104	0.25	106838	492 (13.43)	504 (4.11)	513 (2.76)	497 (6.61)	414 (16.69)
CHE	86491	0.14	86370	491 (9.75)	497 (3.97)	524 (3.96)	525 (6.05)	437 (15.42)
TUR	481279	0.03	481137	439 (7.92)	439 (6.82)	445 (6.04)	427 (7.07)	368 (6.17)
GBR	698579	3.65	673085	517 (7.07)	504 (3.33)	530 (3.28)	532 (6.33)	413 (11.20)
USA	3147089	0.76	3123066	483 (7.04)	476 (3.13)	511 (2.95)	502 (6.68)	360 (17.20)
TOT	.	1.34	.	479 (2.74)	481 (1.32)	514 (1.09)	514 (2.07)	369 (4.18)
AVG	.	1.25	.	483 (1.65)	490 (0.81)	514 (0.60)	508 (0.99)	386 (2.90)
HKG	72484	0.21	72334	554 (9.32)	539 (5.14)	543 (4.28)	509 (8.92)	. (.)
IDN	1971476	0.03	1970972	399 (5.54)	403 (3.40)	387 (3.39)	365 (12.28)	348 (5.56)
LVA	33643	0.22	33570	473 (12.31)	478 (4.52)	497 (4.09)	502 (8.29)	413 (15.56)
LIE	338	.	338	. (.)	518 (10.95)	531 (7.24)	543 (14.02)	. (.)
MAC	6546	.	6546	538 (15.43)	528 (6.63)	526 (4.02)	493 (12.82)	. (.)
RUS	2153373	0.02	2152991	501 (7.79)	490 (5.08)	492 (3.96)	497 (8.79)	387 (10.10)
YUG	68596	0.60	68184	426 (5.82)	437 (3.49)	448 (4.42)	458 (6.36)	392 (10.29)
THA	637076	.	637076	438 (5.68)	429 (2.70)	426 (4.07)	418 (14.20)	418 (17.84)
TUN	150875	0.07	150770	394 (3.12)	387 (3.37)	380 (4.74)	374 (8.84)	316 (8.13)
URY	33775	0.15	33724	445 (5.82)	435 (4.05)	456 (3.45)	440 (7.56)	352 (6.61)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?
When I am solving a Mathematics problem, I often think about how the solution might be applied to other interesting questions.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	533 (5.04)	519 (2.28)	540 (2.31)	534 (4.21)	413 (7.57)
AUT	85931	1.08	85003	471 (8.63)	493 (3.99)	511 (3.04)	526 (3.92)	431 (22.29)
BEL	111831	1.79	109825	481 (7.18)	517 (3.45)	551 (2.04)	529 (5.15)	400 (10.93)
CAN	330436	9.70	298375	543 (5.00)	527 (2.30)	540 (1.62)	525 (3.97)	491 (8.30)
CZE	121183	4.09	116221	524 (8.23)	522 (3.48)	526 (3.47)	516 (5.70)	436 (28.93)
DNK	51741	0.65	51406	535 (6.97)	516 (3.27)	522 (2.61)	507 (6.83)	441 (14.88)
FIN	57884	0.07	57845	556 (9.35)	552 (3.38)	547 (2.01)	541 (3.60)	. (.)
FRA	734579	0.87	728167	496 (5.49)	516 (3.34)	535 (3.11)	511 (5.96)	427 (13.72)
DEU	884358	5.57	835070	494 (7.71)	497 (5.04)	530 (3.27)	535 (4.26)	407 (10.84)
GRC	105131	0.13	104991	452 (7.69)	453 (4.62)	452 (3.91)	427 (6.45)	334 (14.74)
HUN	107044	0.06	106984	474 (11.04)	487 (4.55)	508 (2.96)	517 (6.16)	402 (17.75)
ISL	3928	0.63	3903	487 (5.91)	497 (2.72)	514 (2.45)	512 (3.58)	403 (20.64)
IRL	54850	1.05	54274	484 (7.29)	489 (3.43)	508 (2.58)	491 (5.02)	396 (12.02)
ITA	481521	0.17	480697	445 (7.12)	459 (3.95)	482 (3.05)	481 (5.40)	343 (11.45)
JPN	1240054	0.10	1238855	573 (9.33)	557 (7.77)	550 (4.11)	537 (4.52)	385 (48.61)
KOR	533504	.	533504	593 (7.35)	569 (3.89)	546 (3.35)	526 (4.23)	. (.)
LUX	4080	0.08	4077	476 (6.23)	478 (3.23)	508 (2.02)	502 (3.19)	417 (9.86)
MEX	1071650	0.37	1067674	381 (6.41)	385 (4.31)	410 (5.28)	381 (9.16)	293 (6.66)
NLD	184943	3.42	178618	494 (10.73)	510 (4.01)	536 (3.11)	518 (7.42)	446 (10.96)
NZL	48638	1.33	47990	523 (8.66)	520 (2.87)	547 (2.53)	544 (5.46)	448 (13.37)
NOR	52816	0.77	52407	470 (8.28)	495 (3.92)	501 (2.94)	475 (4.29)	412 (11.88)
POL	534900	.	534900	493 (8.49)	476 (3.31)	496 (2.82)	493 (7.31)	373 (24.39)
PRT	96857	0.23	96637	474 (7.34)	471 (4.00)	476 (4.24)	433 (7.87)	427 (20.20)
SVK	77067	0.06	77022	464 (9.62)	485 (3.99)	501 (3.52)	496 (7.69)	423 (34.84)
ESP	344372	0.07	344114	475 (5.85)	484 (2.90)	492 (3.08)	455 (5.58)	371 (11.98)
SWE	107104	0.25	106838	482 (11.80)	507 (3.68)	516 (2.26)	498 (5.03)	434 (13.02)
CHE	86491	0.14	86370	500 (7.57)	507 (3.61)	532 (3.10)	536 (5.07)	407 (14.80)
TUR	481279	0.03	481137	414 (8.27)	416 (6.85)	419 (5.89)	396 (6.51)	322 (5.38)
GBR	698579	3.65	673085	508 (6.79)	498 (3.34)	519 (3.00)	511 (5.16)	439 (11.42)
USA	3147089	0.76	3123066	469 (7.10)	464 (3.42)	495 (3.14)	484 (6.44)	357 (13.87)
TOT	.	1.34	.	468 (2.87)	474 (1.43)	508 (1.19)	509 (2.04)	355 (4.67)
AVG	.	1.25	.	479 (1.67)	490 (0.86)	514 (0.61)	508 (1.05)	386 (3.26)
HKG	72484	0.21	72334	570 (8.83)	549 (4.98)	551 (4.11)	513 (9.03)	. (.)
IDN	1971476	0.03	1970972	358 (5.87)	371 (3.52)	354 (3.92)	328 (10.77)	302 (5.56)
LVA	33643	0.22	33570	473 (13.24)	471 (4.77)	491 (3.73)	493 (7.91)	388 (14.66)
LIE	338	.	338	. (.)	521 (10.25)	533 (7.26)	547 (12.67)	. (.)
MAC	6546	.	6546	544 (12.75)	537 (5.55)	531 (3.59)	514 (9.94)	. (.)
RUS	2153373	0.02	2152991	483 (8.16)	477 (5.09)	484 (4.51)	491 (8.93)	374 (8.87)
YUG	68596	0.60	68184	411 (5.63)	425 (3.30)	436 (4.14)	430 (6.62)	346 (9.56)
THA	637076	.	637076	437 (7.34)	427 (2.62)	418 (3.58)	405 (12.12)	394 (22.43)
TUN	150875	0.07	150770	352 (2.62)	348 (2.57)	339 (4.44)	323 (7.46)	287 (6.11)
URY	33775	0.15	33724	416 (6.34)	408 (4.31)	430 (3.77)	407 (8.02)	315 (6.70)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I start by working out exactly what I need to learn.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.37	234726	14.78	(0.42)	62.85	(0.51)	19.20	(0.44)	1.76	(0.16)	1.40	(0.17)
AUT	85931	1.08	85003	35.83	(0.84)	46.70	(0.80)	12.77	(0.51)	3.22	(0.35)	1.48	(0.60)
BEL	111831	1.79	109825	15.25	(0.40)	61.83	(0.64)	16.10	(0.42)	2.94	(0.25)	3.88	(0.52)
CAN	330436	9.70	298375	13.56	(0.44)	61.48	(0.53)	19.74	(0.35)	3.29	(0.16)	1.93	(0.16)
CZE	121183	4.09	116221	12.25	(0.50)	66.72	(0.82)	17.28	(0.63)	1.98	(0.23)	1.78	(0.38)
DNK	51741	0.65	51406	6.73	(0.46)	48.95	(0.74)	37.02	(0.70)	4.30	(0.35)	2.99	(0.33)
FIN	57884	0.07	57845	5.41	(0.34)	53.06	(0.76)	36.37	(0.75)	4.75	(0.31)	0.40	(.)
FRA	734579	0.87	728167	17.05	(0.66)	58.87	(0.76)	17.98	(0.61)	3.98	(0.30)	2.13	(0.28)
DEU	884358	5.57	835070	40.01	(0.87)	46.17	(0.87)	9.13	(0.50)	2.89	(0.25)	1.81	(0.32)
GRC	105131	0.13	104991	16.63	(0.61)	60.84	(0.77)	17.38	(0.56)	2.91	(0.27)	2.23	(0.36)
HUN	107044	0.06	106984	11.92	(0.51)	65.24	(0.83)	19.34	(0.64)	2.64	(0.25)	0.85	(0.14)
ISL	3928	0.63	3903	17.69	(0.63)	57.90	(0.78)	20.01	(0.74)	3.45	(0.33)	0.95	(0.16)
IRL	54850	1.05	54274	12.33	(0.56)	62.17	(0.81)	20.69	(0.68)	3.16	(0.30)	1.65	(0.23)
ITA	481521	0.17	480697	15.55	(0.56)	68.79	(0.75)	12.29	(0.61)	2.30	(0.23)	1.07	(0.18)
JPN	1240054	0.10	1238855	4.07	(0.32)	21.66	(0.74)	51.51	(0.83)	21.94	(0.79)	0.82	(0.29)
KOR	533504	.	533504	5.09	(0.34)	41.87	(0.77)	45.93	(0.81)	6.74	(0.38)	0.37	(.)
LUX	4080	0.08	4077	21.87	(0.65)	47.09	(0.80)	20.71	(0.63)	7.85	(0.38)	2.49	(0.22)
MEX	1071650	0.37	1067674	20.82	(0.75)	57.67	(0.80)	12.55	(0.53)	1.31	(0.17)	7.66	(0.70)
NLD	184943	3.36	178729	10.37	(0.49)	68.77	(0.84)	16.76	(0.69)	2.30	(0.36)	1.80	(0.36)
NZL	48638	1.37	47969	12.10	(0.51)	60.10	(0.88)	24.08	(0.68)	2.90	(0.28)	0.83	(0.15)
NOR	52816	0.77	52407	9.49	(0.50)	47.61	(0.90)	33.61	(0.79)	5.38	(0.40)	3.90	(0.50)
POL	534900	.	534900	10.16	(0.51)	67.64	(0.90)	18.45	(0.75)	2.32	(0.21)	1.43	(0.23)
PRT	96857	0.23	96637	16.71	(0.67)	69.60	(0.72)	9.75	(0.43)	2.46	(0.28)	1.48	(0.27)
SVK	77067	0.06	77022	11.16	(0.43)	70.37	(0.82)	15.42	(0.57)	1.66	(0.21)	1.39	(0.47)
ESP	344372	0.07	344114	18.17	(0.63)	62.74	(0.70)	14.01	(0.47)	3.57	(0.28)	1.50	(0.20)
SWE	107104	0.25	106838	4.22	(0.35)	36.30	(0.68)	49.51	(0.81)	8.17	(0.42)	1.80	(0.21)
CHE	86491	0.14	86370	24.75	(0.57)	54.34	(0.69)	15.94	(0.51)	3.54	(0.19)	1.44	(0.16)
TUR	481279	0.03	481137	28.38	(1.04)	51.87	(0.99)	9.28	(0.55)	3.33	(0.28)	7.15	(0.73)
GBR	698579	3.65	673085	10.47	(0.49)	62.60	(0.88)	22.15	(0.67)	2.68	(0.27)	2.10	(0.21)
USA	3147089	0.76	3123066	15.80	(0.56)	62.00	(0.72)	17.66	(0.52)	2.71	(0.26)	1.82	(0.31)
TOT	.	1.34	.	16.05	(0.23)	55.10	(0.25)	21.55	(0.19)	4.94	(0.12)	2.37	(0.11)
AVG	.	1.25	.	15.26	(0.12)	56.76	(0.14)	21.80	(0.11)	4.09	(0.06)	2.08	(0.06)
HKG	72484	0.21	72334	12.84	(0.52)	69.14	(0.79)	14.69	(0.69)	2.87	(0.22)	0.46	(.)
IDN	1971476	0.03	1970972	13.51	(0.55)	71.69	(0.80)	9.77	(0.46)	0.46	(0.13)	4.56	(0.54)
LVA	33643	0.22	33570	6.84	(0.49)	58.67	(0.82)	30.90	(0.76)	2.31	(0.26)	1.28	(0.21)
LIE	338	.	338	32.49	(2.42)	48.24	(2.56)	15.66	(2.21)	3.31	(.)	0.30	(.)
MAC	6546	.	6546	18.58	(1.18)	69.74	(1.47)	9.11	(0.90)	1.65	(.)	0.93	(.)
RUS	2153373	0.02	2152991	9.59	(0.48)	59.87	(0.88)	25.56	(0.78)	2.34	(0.22)	2.65	(0.31)
YUG	68596	0.57	68202	23.37	(0.81)	55.40	(1.07)	11.13	(0.59)	2.72	(0.29)	7.38	(0.86)
THA	637076	.	637076	10.68	(0.81)	64.89	(0.80)	22.02	(0.72)	1.34	(0.17)	1.07	(0.16)
TUN	150875	0.07	150770	31.95	(0.85)	45.41	(0.81)	13.53	(0.55)	2.79	(0.25)	6.33	(0.44)
URY	33775	0.17	33719	18.57	(0.63)	55.15	(0.79)	18.06	(0.64)	2.49	(0.24)	5.73	(0.43)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I start by working out exactly what I need to learn.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	542 (3.47)	527 (2.03)	522 (4.35)	484 (8.38)	399 (9.29)
AUT	85931	1.08	85003	497 (4.18)	496 (4.13)	486 (5.09)	466 (11.28)	437 (35.24)
BEL	111831	1.79	109825	521 (4.26)	523 (2.32)	502 (4.45)	465 (10.01)	344 (18.03)
CAN	330436	9.70	298375	539 (3.32)	533 (1.63)	529 (2.51)	508 (5.14)	478 (9.46)
CZE	121183	4.09	116221	494 (5.06)	498 (2.60)	500 (5.01)	459 (9.98)	429 (18.90)
DNK	51741	0.65	51406	479 (7.75)	494 (2.88)	501 (3.87)	488 (8.26)	410 (14.32)
FIN	57884	0.07	57845	548 (5.38)	544 (2.01)	545 (2.33)	524 (5.46)	. (.)
FRA	734579	0.87	728167	499 (4.42)	503 (2.80)	500 (4.84)	452 (9.28)	378 (13.51)
DEU	884358	5.57	835070	500 (4.21)	508 (3.85)	504 (5.88)	485 (12.32)	353 (13.48)
GRC	105131	0.13	104991	484 (5.38)	478 (4.13)	466 (5.84)	443 (9.91)	326 (19.03)
HUN	107044	0.06	106984	483 (4.11)	482 (2.83)	488 (4.59)	478 (10.00)	361 (22.09)
ISL	3928	0.63	3903	484 (4.21)	494 (2.01)	506 (3.51)	470 (10.46)	347 (23.60)
IRL	54850	1.05	54274	520 (5.01)	518 (2.74)	517 (3.93)	486 (9.58)	392 (17.29)
ITA	481521	0.17	480697	477 (5.16)	481 (2.71)	459 (6.38)	437 (11.54)	366 (17.67)
JPN	1240054	0.10	1238855	496 (10.06)	506 (5.31)	504 (4.02)	484 (5.27)	335 (37.44)
KOR	533504	.	533504	562 (5.58)	548 (3.43)	526 (3.50)	492 (5.91)	. (.)
LUX	4080	0.08	4077	478 (3.59)	484 (1.89)	492 (3.55)	464 (5.96)	366 (14.04)
MEX	1071650	0.37	1067674	405 (6.53)	408 (3.45)	413 (5.55)	386 (15.03)	305 (6.95)
NLD	184943	3.36	178729	521 (5.61)	523 (2.86)	503 (3.94)	482 (12.79)	481 (11.65)
NZL	48638	1.37	47969	531 (6.47)	523 (2.73)	526 (3.53)	496 (11.30)	431 (17.34)
NOR	52816	0.77	52407	489 (6.51)	504 (3.26)	513 (3.54)	458 (9.48)	434 (11.48)
POL	534900	.	534900	497 (5.55)	501 (2.90)	492 (4.65)	491 (9.63)	373 (19.27)
PRT	96857	0.23	96637	489 (6.08)	479 (3.64)	464 (5.93)	434 (10.53)	436 (17.05)
SVK	77067	0.06	77022	459 (6.54)	475 (3.13)	462 (4.64)	437 (10.32)	374 (30.97)
ESP	344372	0.07	344114	480 (3.77)	488 (2.73)	481 (4.69)	405 (7.59)	362 (15.43)
SWE	107104	0.25	106838	492 (9.71)	503 (3.64)	529 (2.30)	514 (5.22)	425 (19.88)
CHE	86491	0.14	86370	500 (3.74)	503 (3.53)	498 (4.59)	490 (10.08)	392 (15.05)
TUR	481279	0.03	481137	459 (6.99)	450 (5.86)	418 (7.59)	394 (10.61)	360 (5.83)
GBR	698579	3.65	673085	515 (5.24)	509 (2.82)	510 (3.98)	471 (8.11)	403 (11.08)
USA	3147089	0.76	3123066	496 (5.72)	499 (3.26)	502 (4.49)	464 (9.86)	364 (13.98)
TOT	.	1.34	.	486 (2.01)	493 (1.33)	499 (1.58)	472 (3.09)	354 (4.35)
AVG	.	1.25	.	493 (1.03)	499 (0.69)	504 (0.75)	474 (1.64)	379 (3.37)
HKG	72484	0.21	72334	524 (5.00)	515 (3.47)	486 (5.59)	445 (11.38)	. (.)
IDN	1971476	0.03	1970972	375 (4.37)	388 (3.33)	376 (5.78)	349 (15.58)	309 (8.37)
LVA	33643	0.22	33570	486 (7.36)	487 (3.86)	501 (4.81)	508 (12.97)	404 (16.76)
LIE	338	.	338	519 (9.47)	525 (7.16)	539 (13.73)	. (.)	. (.)
MAC	6546	.	6546	509 (5.90)	497 (2.49)	485 (8.11)	. (.)	. (.)
RUS	2153373	0.02	2152991	441 (6.04)	442 (3.99)	452 (4.78)	462 (11.93)	339 (10.02)
YUG	68596	0.57	68202	419 (4.54)	417 (3.48)	423 (5.23)	397 (8.71)	344 (10.43)
THA	637076	.	637076	433 (5.94)	418 (2.78)	422 (4.06)	415 (12.29)	389 (16.94)
TUN	150875	0.07	150770	380 (4.49)	382 (3.03)	374 (4.68)	372 (9.82)	299 (7.14)
URY	33775	0.17	33719	426 (5.48)	439 (3.83)	458 (5.16)	423 (10.28)	341 (8.56)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I start by working out exactly what I need to learn.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	540 (3.35)	526 (1.99)	521 (3.49)	482 (8.30)	414 (9.94)
AUT	85931	1.08	85003	506 (3.82)	510 (3.44)	508 (5.29)	502 (9.91)	452 (22.32)
BEL	111831	1.79	109825	536 (4.05)	544 (2.18)	530 (4.00)	492 (7.87)	384 (16.43)
CAN	330436	9.70	298375	548 (3.24)	536 (1.64)	534 (2.49)	513 (4.99)	493 (8.50)
CZE	121183	4.09	116221	519 (5.53)	523 (3.01)	532 (5.21)	495 (11.69)	455 (18.74)
DNK	51741	0.65	51406	517 (7.41)	516 (2.92)	520 (3.16)	506 (7.73)	437 (13.49)
FIN	57884	0.07	57845	559 (5.73)	544 (2.14)	546 (1.97)	519 (6.49)	. (.)
FRA	734579	0.87	728167	513 (4.12)	517 (2.54)	513 (4.57)	471 (7.45)	423 (11.85)
DEU	884358	5.57	835070	503 (4.20)	520 (3.76)	524 (6.98)	515 (12.24)	393 (12.17)
GRC	105131	0.13	104991	457 (5.54)	448 (4.03)	439 (4.98)	421 (9.96)	355 (13.78)
HUN	107044	0.06	106984	486 (4.93)	489 (3.05)	498 (4.45)	492 (11.47)	398 (17.10)
ISL	3928	0.63	3903	512 (3.59)	517 (1.86)	522 (3.27)	484 (9.39)	421 (18.79)
IRL	54850	1.05	54274	505 (4.84)	505 (2.56)	508 (3.88)	462 (8.56)	394 (13.71)
ITA	481521	0.17	480697	467 (4.70)	470 (2.93)	453 (6.30)	431 (9.62)	385 (12.91)
JPN	1240054	0.10	1238855	545 (10.29)	546 (6.10)	540 (3.92)	511 (4.61)	426 (25.41)
KOR	533504	.	533504	590 (6.16)	562 (3.53)	528 (3.46)	486 (5.82)	. (.)
LUX	4080	0.08	4077	483 (3.25)	495 (1.78)	508 (3.07)	494 (5.45)	427 (10.26)
MEX	1071650	0.37	1067674	390 (5.23)	392 (3.22)	396 (5.31)	367 (12.33)	304 (6.55)
NLD	184943	3.36	178729	543 (6.09)	549 (2.98)	533 (4.03)	497 (12.54)	469 (9.71)
NZL	48638	1.37	47969	534 (5.23)	525 (2.57)	528 (3.05)	491 (10.73)	427 (16.25)
NOR	52816	0.77	52407	488 (6.25)	499 (2.75)	506 (3.75)	456 (6.69)	434 (9.50)
POL	534900	.	534900	492 (5.27)	492 (2.66)	492 (4.05)	496 (10.73)	392 (15.50)
PRT	96857	0.23	96637	479 (6.17)	468 (3.32)	453 (5.65)	416 (10.86)	437 (13.63)
SVK	77067	0.06	77022	481 (6.73)	503 (3.31)	500 (4.48)	470 (11.72)	415 (30.33)
ESP	344372	0.07	344114	482 (3.52)	491 (2.56)	489 (3.80)	421 (6.77)	380 (12.55)
SWE	107104	0.25	106838	480 (9.10)	496 (3.72)	524 (2.46)	512 (5.21)	425 (17.74)
CHE	86491	0.14	86370	524 (3.92)	529 (3.89)	529 (4.29)	527 (9.70)	435 (15.44)
TUR	481279	0.03	481137	442 (7.91)	431 (6.84)	406 (8.45)	375 (7.72)	336 (6.15)
GBR	698579	3.65	673085	519 (4.95)	509 (2.77)	511 (4.01)	476 (8.35)	414 (11.45)
USA	3147089	0.76	3123066	484 (5.16)	485 (3.03)	491 (4.03)	462 (9.48)	380 (13.18)
TOT	.	1.34	.	484 (1.91)	490 (1.18)	507 (1.46)	487 (3.01)	366 (4.23)
AVG	.	1.25	.	496 (1.04)	503 (0.66)	512 (0.74)	485 (1.57)	395 (3.05)
HKG	72484	0.21	72334	573 (6.09)	556 (4.48)	521 (6.03)	472 (12.27)	. (.)
IDN	1971476	0.03	1970972	352 (4.65)	367 (3.93)	354 (6.46)	310 (21.94)	287 (5.79)
LVA	33643	0.22	33570	469 (6.97)	479 (3.92)	496 (4.25)	519 (14.04)	412 (13.06)
LIE	338	.	338	528 (9.96)	535 (8.29)	552 (14.12)	. (.)	. (.)
MAC	6546	.	6546	534 (6.09)	527 (3.36)	517 (11.50)	. (.)	. (.)
RUS	2153373	0.02	2152991	468 (6.04)	467 (4.31)	479 (4.85)	485 (10.93)	386 (7.19)
YUG	68596	0.57	68202	435 (4.62)	443 (3.63)	458 (5.34)	431 (8.93)	369 (8.72)
THA	637076	.	637076	429 (6.49)	415 (2.90)	419 (3.87)	406 (15.33)	400 (16.41)
TUN	150875	0.07	150770	371 (3.64)	363 (2.74)	347 (3.97)	340 (6.20)	304 (5.11)
URY	33775	0.17	33719	414 (5.14)	426 (3.50)	448 (4.48)	418 (9.43)	333 (6.55)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I start by working out exactly what I need to learn.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	542 (3.70)	527 (2.07)	521 (4.13)	481 (9.78)	411 (9.83)
AUT	85931	1.08	85003	493 (3.94)	495 (3.92)	492 (5.05)	482 (10.65)	438 (26.68)
BEL	111831	1.79	109825	522 (4.31)	522 (2.44)	505 (4.13)	471 (10.68)	354 (14.94)
CAN	330436	9.70	298375	529 (3.59)	523 (1.90)	524 (2.95)	506 (5.24)	473 (11.06)
CZE	121183	4.09	116221	524 (6.08)	530 (2.91)	535 (5.40)	502 (11.09)	463 (20.59)
DNK	51741	0.65	51406	474 (8.23)	476 (3.47)	484 (3.61)	475 (9.18)	376 (14.40)
FIN	57884	0.07	57845	560 (6.42)	548 (2.46)	549 (2.31)	526 (6.20)	. (.)
FRA	734579	0.87	728167	514 (5.70)	518 (3.42)	516 (5.31)	464 (9.66)	406 (16.19)
DEU	884358	5.57	835070	505 (4.50)	519 (4.03)	523 (7.15)	512 (13.06)	372 (13.63)
GRC	105131	0.13	104991	494 (5.63)	484 (3.99)	475 (4.98)	452 (9.32)	405 (14.87)
HUN	107044	0.06	106984	503 (4.79)	502 (3.02)	511 (4.29)	508 (12.02)	395 (19.24)
ISL	3928	0.63	3903	490 (3.88)	495 (2.13)	507 (3.88)	478 (10.71)	394 (19.58)
IRL	54850	1.05	54274	510 (5.89)	507 (2.98)	508 (4.06)	473 (10.31)	406 (16.59)
ITA	481521	0.17	480697	490 (5.51)	491 (2.87)	473 (7.34)	452 (11.15)	369 (17.80)
JPN	1240054	0.10	1238855	555 (11.33)	558 (6.19)	553 (4.11)	528 (5.08)	428 (28.12)
KOR	533504	.	533504	578 (6.78)	556 (3.82)	526 (3.89)	489 (7.01)	. (.)
LUX	4080	0.08	4077	475 (3.48)	484 (2.23)	501 (3.60)	481 (6.27)	384 (14.77)
MEX	1071650	0.37	1067674	413 (5.10)	410 (3.02)	411 (5.46)	391 (9.52)	336 (7.14)
NLD	184943	3.36	178729	529 (6.51)	535 (3.30)	516 (4.96)	487 (12.81)	444 (13.79)
NZL	48638	1.37	47969	532 (6.74)	522 (2.87)	527 (4.08)	496 (11.35)	431 (18.61)
NOR	52816	0.77	52407	474 (6.83)	489 (3.22)	497 (4.00)	445 (8.52)	410 (10.50)
POL	534900	.	534900	505 (5.97)	499 (2.96)	495 (4.87)	491 (11.68)	410 (14.39)
PRT	96857	0.23	96637	480 (5.70)	469 (3.50)	460 (5.93)	428 (9.97)	422 (14.59)
SVK	77067	0.06	77022	485 (7.47)	500 (3.38)	488 (7.50)	472 (11.64)	389 (26.69)
ESP	344372	0.07	344114	488 (4.47)	494 (2.63)	490 (4.53)	416 (7.86)	352 (16.55)
SWE	107104	0.25	106838	482 (10.62)	493 (3.98)	522 (2.92)	507 (6.75)	416 (19.62)
CHE	86491	0.14	86370	514 (5.11)	516 (3.99)	511 (4.80)	502 (11.11)	435 (13.18)
TUR	481279	0.03	481137	451 (7.37)	440 (5.98)	415 (7.29)	396 (7.45)	367 (6.16)
GBR	698579	3.65	673085	530 (5.40)	520 (2.99)	523 (4.35)	489 (9.23)	401 (10.41)
USA	3147089	0.76	3123066	493 (5.62)	493 (3.07)	500 (4.19)	471 (9.85)	371 (17.34)
TOT	.	1.34	.	491 (2.03)	497 (1.18)	514 (1.48)	497 (3.19)	373 (4.30)
AVG	.	1.25	.	497 (1.09)	503 (0.64)	510 (0.81)	486 (1.68)	391 (2.96)
HKG	72484	0.21	72334	557 (6.09)	545 (4.08)	514 (6.09)	472 (11.70)	. (.)
IDN	1971476	0.03	1970972	394 (4.09)	400 (3.26)	388 (5.58)	359 (14.36)	344 (5.88)
LVA	33643	0.22	33570	478 (7.39)	485 (4.04)	501 (4.92)	513 (14.64)	407 (15.30)
LIE	338	.	338	515 (11.21)	526 (7.78)	541 (15.58)	. (.)	. (.)
MAC	6546	.	6546	535 (7.84)	525 (3.41)	505 (11.09)	. (.)	. (.)
RUS	2153373	0.02	2152991	489 (6.03)	488 (4.24)	502 (4.98)	506 (11.92)	392 (10.16)
YUG	68596	0.57	68202	439 (4.47)	440 (3.52)	449 (5.09)	427 (9.55)	392 (10.43)
THA	637076	.	637076	440 (5.36)	427 (2.59)	430 (4.12)	432 (16.31)	423 (15.97)
TUN	150875	0.07	150770	396 (3.66)	389 (2.83)	376 (4.41)	371 (7.91)	321 (6.98)
URY	33775	0.17	33719	434 (5.95)	442 (3.20)	461 (4.70)	427 (13.33)	353 (6.28)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When I study Mathematics, I start by working out exactly what I need to learn.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	543 (3.21)	531 (1.89)	528 (3.66)	492 (7.55)	421 (9.07)
AUT	85931	1.08	85003	506 (3.62)	511 (3.48)	509 (5.06)	505 (9.88)	445 (22.96)
BEL	111831	1.79	109825	531 (4.04)	538 (2.22)	525 (3.86)	487 (8.75)	399 (10.78)
CAN	330436	9.70	298375	544 (3.36)	534 (1.57)	532 (2.61)	506 (4.87)	492 (9.11)
CZE	121183	4.09	116221	518 (5.27)	524 (2.93)	533 (4.89)	491 (11.28)	453 (21.47)
DNK	51741	0.65	51406	516 (7.72)	518 (2.61)	524 (3.05)	510 (7.65)	432 (14.07)
FIN	57884	0.07	57845	561 (5.98)	547 (2.19)	549 (2.29)	528 (5.85)	. (.)
FRA	734579	0.87	728167	519 (4.48)	526 (2.71)	523 (4.67)	478 (8.43)	433 (13.74)
DEU	884358	5.57	835070	512 (4.10)	527 (3.69)	530 (6.39)	523 (11.86)	402 (13.68)
GRC	105131	0.13	104991	457 (5.86)	452 (4.20)	446 (5.32)	424 (9.68)	341 (15.42)
HUN	107044	0.06	106984	494 (4.63)	501 (3.13)	509 (4.61)	508 (11.71)	425 (18.52)
ISL	3928	0.63	3903	503 (3.65)	506 (1.93)	514 (2.96)	478 (9.40)	403 (22.05)
IRL	54850	1.05	54274	500 (4.84)	501 (2.39)	501 (3.74)	466 (7.85)	389 (13.97)
ITA	481521	0.17	480697	468 (5.13)	475 (2.89)	456 (6.07)	438 (9.90)	351 (14.85)
JPN	1240054	0.10	1238855	554 (11.30)	557 (5.87)	553 (4.15)	528 (5.11)	417 (42.30)
KOR	533504	.	533504	585 (5.74)	566 (3.29)	540 (3.31)	504 (5.76)	. (.)
LUX	4080	0.08	4077	485 (3.19)	497 (2.00)	507 (3.13)	488 (5.73)	419 (11.38)
MEX	1071650	0.37	1067674	388 (6.40)	392 (3.99)	399 (5.92)	378 (12.29)	295 (6.80)
NLD	184943	3.36	178729	520 (5.95)	529 (3.14)	514 (4.19)	481 (12.26)	445 (11.04)
NZL	48638	1.37	47969	540 (5.04)	535 (2.53)	535 (3.22)	502 (10.63)	443 (18.47)
NOR	52816	0.77	52407	480 (6.47)	493 (2.79)	503 (3.86)	446 (8.15)	434 (10.05)
POL	534900	.	534900	487 (5.42)	489 (2.75)	487 (4.23)	488 (10.50)	377 (21.53)
PRT	96857	0.23	96637	481 (6.49)	472 (3.81)	453 (5.73)	411 (11.30)	444 (15.70)
SVK	77067	0.06	77022	474 (6.53)	496 (3.46)	494 (4.82)	464 (11.88)	422 (32.51)
ESP	344372	0.07	344114	478 (4.19)	489 (2.83)	486 (4.48)	416 (7.34)	374 (14.44)
SWE	107104	0.25	106838	475 (8.57)	497 (3.55)	523 (2.33)	510 (5.40)	443 (16.81)
CHE	86491	0.14	86370	521 (3.70)	524 (3.48)	521 (3.72)	521 (8.84)	405 (15.60)
TUR	481279	0.03	481137	425 (6.91)	415 (6.09)	391 (8.10)	363 (8.84)	321 (5.47)
GBR	698579	3.65	673085	520 (5.14)	511 (2.73)	513 (3.87)	473 (8.99)	425 (12.10)
USA	3147089	0.76	3123066	479 (5.39)	480 (3.11)	484 (4.22)	454 (10.65)	360 (14.05)
TOT	.	1.34	.	483 (2.07)	490 (1.26)	510 (1.58)	495 (3.32)	358 (4.66)
AVG	.	1.25	.	495 (1.01)	502 (0.69)	513 (0.77)	488 (1.72)	391 (2.97)
HKG	72484	0.21	72334	570 (5.90)	553 (4.03)	520 (6.14)	480 (12.95)	. (.)
IDN	1971476	0.03	1970972	353 (4.48)	368 (3.36)	359 (5.38)	320 (18.84)	300 (5.49)
LVA	33643	0.22	33570	471 (7.00)	478 (4.06)	495 (4.62)	519 (15.22)	389 (16.21)
LIE	338	.	338	519 (9.22)	529 (7.64)	549 (14.73)	. (.)	. (.)
MAC	6546	.	6546	538 (5.36)	532 (2.93)	525 (10.92)	. (.)	. (.)
RUS	2153373	0.02	2152991	476 (6.90)	478 (4.64)	489 (5.44)	495 (13.97)	380 (9.40)
YUG	68596	0.57	68202	417 (4.15)	428 (3.22)	441 (5.40)	414 (8.96)	347 (9.20)
THA	637076	.	637076	445 (6.20)	423 (2.68)	423 (4.00)	409 (15.18)	404 (17.52)
TUN	150875	0.07	150770	352 (3.34)	351 (2.38)	335 (3.71)	337 (6.50)	291 (5.07)
URY	33775	0.17	33719	400 (5.55)	416 (3.89)	436 (5.49)	411 (11.57)	316 (7.19)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

To learn Mathematics, I try to remember every step in a procedure.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.37	234726	13.49 (0.39)	65.45 (0.54)	18.22 (0.39)	1.57 (0.16)	1.27 (0.15)
AUT	85931	1.08	85003	27.57 (0.73)	49.13 (0.92)	16.97 (0.69)	4.96 (0.54)	1.36 (0.59)
BEL	111831	1.79	109825	14.07 (0.47)	58.87 (0.61)	19.32 (0.44)	3.79 (0.27)	3.95 (0.54)
CAN	330436	9.70	298375	17.35 (0.42)	63.81 (0.56)	14.21 (0.41)	2.48 (0.14)	2.14 (0.14)
CZE	121183	4.09	116221	11.61 (0.55)	62.47 (0.81)	21.69 (0.61)	2.83 (0.22)	1.40 (0.39)
DNK	51741	0.65	51406	7.75 (0.50)	58.58 (0.77)	27.52 (0.67)	2.88 (0.24)	3.26 (0.31)
FIN	57884	0.07	57845	7.82 (0.35)	64.07 (0.67)	24.26 (0.60)	3.33 (0.27)	0.51 (0.10)
FRA	734579	0.87	728167	19.18 (0.79)	60.81 (0.95)	14.60 (0.58)	3.50 (0.28)	1.91 (0.28)
DEU	884358	5.57	835070	21.10 (0.65)	45.23 (0.77)	24.66 (0.58)	6.85 (0.36)	2.16 (0.32)
GRC	105131	0.13	104991	20.86 (0.77)	58.22 (1.02)	15.96 (0.55)	2.87 (0.26)	2.09 (0.35)
HUN	107044	0.06	106984	18.41 (0.61)	69.59 (0.74)	9.91 (0.49)	1.24 (0.16)	0.84 (0.14)
ISL	3928	0.63	3903	14.38 (0.56)	56.92 (0.92)	23.33 (0.76)	4.22 (0.36)	1.14 (0.16)
IRL	54850	1.05	54274	13.36 (0.59)	60.63 (0.77)	21.30 (0.66)	2.81 (0.29)	1.91 (0.26)
ITA	481521	0.17	480697	18.34 (0.59)	65.20 (0.70)	12.87 (0.49)	2.72 (0.25)	0.86 (0.16)
JPN	1240054	0.10	1238855	10.07 (0.51)	51.25 (0.94)	28.25 (0.77)	9.59 (0.58)	0.84 (0.29)
KOR	533504	.	533504	5.62 (0.34)	45.88 (0.91)	41.36 (0.77)	6.78 (0.42)	0.36 (.)
LUX	4080	0.08	4077	21.38 (0.60)	49.79 (0.86)	19.93 (0.66)	6.23 (0.33)	2.67 (0.27)
MEX	1071650	0.37	1067674	27.03 (0.93)	57.86 (0.85)	6.14 (0.37)	1.21 (0.20)	7.76 (0.77)
NLD	184943	3.42	178617	6.12 (0.42)	53.53 (0.87)	34.56 (0.85)	3.79 (0.36)	2.00 (0.38)
NZL	48638	1.37	47969	12.20 (0.49)	61.12 (0.76)	23.24 (0.64)	2.62 (0.25)	0.82 (0.15)
NOR	52816	0.77	52407	13.57 (0.56)	62.13 (0.94)	17.00 (0.57)	3.60 (0.35)	3.70 (0.46)
POL	534900	.	534900	9.66 (0.45)	67.01 (0.84)	19.27 (0.64)	2.68 (0.24)	1.39 (0.26)
PRT	96857	0.23	96637	13.02 (0.50)	59.98 (0.85)	20.67 (0.70)	4.81 (0.35)	1.53 (0.27)
SVK	77067	0.06	77022	12.86 (0.49)	67.64 (0.65)	15.88 (0.55)	2.28 (0.24)	1.34 (0.47)
ESP	344372	0.07	344114	18.64 (0.65)	65.09 (0.86)	11.52 (0.49)	3.16 (0.27)	1.59 (0.22)
SWE	107104	0.25	106838	7.86 (0.39)	51.98 (0.93)	33.73 (0.91)	4.66 (0.36)	1.76 (0.19)
CHE	86491	0.14	86370	19.05 (0.61)	53.48 (0.72)	21.41 (0.56)	4.41 (0.26)	1.65 (0.20)
TUR	481279	0.03	481137	16.74 (0.78)	52.07 (0.81)	19.37 (0.77)	3.84 (0.27)	7.98 (1.00)
GBR	698579	3.65	673085	11.59 (0.55)	63.22 (0.76)	20.48 (0.63)	2.70 (0.25)	2.01 (0.25)
USA	3147089	0.76	3123066	18.49 (0.64)	63.34 (0.71)	14.25 (0.53)	2.18 (0.21)	1.74 (0.29)
TOT	.	1.34	.	16.49 (0.25)	58.76 (0.27)	18.57 (0.19)	3.79 (0.09)	2.39 (0.11)
AVG	.	1.25	.	14.97 (0.11)	58.82 (0.14)	20.39 (0.11)	3.69 (0.06)	2.13 (0.07)
HKG	72484	0.21	72334	7.19 (0.39)	48.14 (1.00)	36.34 (0.87)	8.01 (0.42)	0.33 (.)
IDN	1971476	0.03	1970972	12.66 (0.58)	62.43 (0.88)	19.12 (0.68)	1.08 (0.17)	4.71 (0.52)
LVA	33643	0.22	33570	6.73 (0.36)	66.10 (1.07)	24.04 (0.77)	1.75 (0.27)	1.38 (0.24)
LIE	338	.	338	17.71 (1.82)	43.37 (2.64)	30.85 (2.43)	7.47 (.)	0.61 (.)
MAC	6546	.	6546	10.58 (1.07)	42.19 (1.68)	36.27 (1.86)	10.36 (1.09)	0.60 (.)
RUS	2153373	0.02	2152991	10.00 (0.43)	58.73 (0.81)	26.71 (0.79)	1.81 (0.20)	2.76 (0.30)
YUG	68596	0.57	68202	14.20 (0.63)	48.43 (0.90)	25.43 (0.78)	4.40 (0.35)	7.54 (0.87)
THA	637076	.	637076	11.85 (0.48)	72.10 (0.64)	14.33 (0.56)	0.75 (0.15)	0.97 (0.18)
TUN	150875	0.07	150770	30.53 (0.77)	42.23 (0.87)	15.35 (0.55)	5.73 (0.33)	6.16 (0.39)
URY	33775	0.17	33719	12.76 (0.56)	45.74 (0.79)	28.93 (0.83)	6.28 (0.42)	6.28 (0.46)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

To learn Mathematics, I try to remember every step in a procedure.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	535 (3.39)	526 (2.00)	531 (4.67)	496 (10.35)	392 (9.22)
AUT	85931	1.08	85003	492 (4.67)	494 (3.67)	503 (5.07)	484 (9.06)	426 (38.61)
BEL	111831	1.79	109825	508 (4.93)	523 (2.41)	514 (4.23)	476 (9.33)	348 (18.41)
CAN	330436	9.70	298375	536 (3.37)	533 (1.68)	526 (3.23)	504 (7.03)	497 (8.27)
CZE	121183	4.09	116221	485 (4.90)	493 (2.90)	514 (3.61)	516 (9.02)	417 (24.48)
DNK	51741	0.65	51406	495 (5.52)	497 (2.71)	495 (3.34)	474 (10.30)	417 (14.82)
FIN	57884	0.07	57845	554 (4.70)	549 (1.81)	533 (2.68)	499 (7.44)	472 (27.83)
FRA	734579	0.87	728167	503 (4.28)	506 (2.93)	483 (5.98)	446 (9.58)	366 (14.70)
DEU	884358	5.57	835070	483 (4.54)	501 (3.54)	522 (4.36)	523 (6.33)	362 (13.25)
GRC	105131	0.13	104991	472 (4.28)	477 (3.90)	481 (6.86)	443 (12.50)	317 (17.75)
HUN	107044	0.06	106984	489 (3.64)	483 (2.66)	474 (6.09)	460 (15.63)	346 (18.28)
ISL	3928	0.63	3903	496 (4.70)	496 (1.94)	489 (4.12)	480 (9.53)	376 (20.86)
IRL	54850	1.05	54274	522 (4.78)	518 (2.97)	516 (3.60)	494 (10.51)	399 (14.02)
ITA	481521	0.17	480697	475 (4.49)	479 (3.03)	475 (5.35)	443 (10.54)	348 (19.74)
JPN	1240054	0.10	1238855	518 (5.70)	518 (3.76)	483 (4.99)	434 (7.90)	338 (36.19)
KOR	533504	.	533504	554 (4.71)	538 (2.91)	533 (3.57)	503 (6.76)	. (.)
LUX	4080	0.08	4077	488 (3.56)	485 (2.05)	478 (3.67)	462 (7.05)	353 (10.81)
MEX	1071650	0.37	1067674	414 (5.34)	407 (3.36)	397 (7.93)	366 (14.35)	307 (8.36)
NLD	184943	3.42	178617	508 (7.81)	524 (2.94)	514 (3.72)	498 (8.66)	483 (11.95)
NZL	48638	1.37	47969	527 (5.93)	525 (2.52)	526 (3.76)	490 (11.93)	424 (17.01)
NOR	52816	0.77	52407	514 (5.93)	513 (2.81)	474 (4.47)	426 (10.16)	425 (12.90)
POL	534900	.	534900	495 (5.51)	496 (2.74)	509 (4.86)	500 (12.66)	362 (19.32)
PRT	96857	0.23	96637	482 (4.28)	473 (4.26)	490 (4.83)	488 (7.88)	440 (15.30)
SVK	77067	0.06	77022	455 (5.46)	469 (3.12)	488 (5.65)	466 (13.04)	370 (33.26)
ESP	344372	0.07	344114	488 (4.18)	490 (2.67)	457 (6.11)	399 (8.84)	357 (14.18)
SWE	107104	0.25	106838	528 (7.17)	523 (3.08)	509 (2.67)	473 (8.38)	414 (16.93)
CHE	86491	0.14	86370	491 (3.43)	500 (3.39)	511 (5.32)	505 (9.56)	402 (17.60)
TUR	481279	0.03	481137	454 (6.69)	450 (5.48)	445 (8.60)	409 (9.13)	360 (6.02)
GBR	698579	3.65	673085	523 (4.93)	513 (2.92)	492 (3.68)	460 (9.54)	409 (11.46)
USA	3147089	0.76	3123066	496 (4.69)	499 (2.99)	503 (5.34)	446 (13.41)	360 (14.80)
TOT	.	1.34	.	485 (1.76)	494 (1.21)	497 (1.59)	460 (3.90)	353 (4.78)
AVG	.	1.25	.	493 (1.05)	500 (0.65)	501 (0.86)	471 (1.90)	378 (3.22)
HKG	72484	0.21	72334	498 (5.85)	500 (3.88)	524 (4.08)	518 (6.40)	. (.)
IDN	1971476	0.03	1970972	373 (5.23)	387 (3.15)	389 (4.93)	368 (14.77)	310 (8.51)
LVA	33643	0.22	33570	496 (7.73)	492 (4.15)	492 (4.65)	471 (17.84)	430 (16.74)
LIE	338	.	338	479 (11.58)	525 (7.42)	539 (9.01)	. (.)	. (.)
MAC	6546	.	6546	488 (7.96)	487 (3.38)	506 (4.12)	526 (7.75)	. (.)
RUS	2153373	0.02	2152991	450 (5.78)	447 (4.18)	439 (4.22)	443 (16.97)	333 (10.71)
YUG	68596	0.57	68202	402 (4.82)	415 (3.57)	431 (4.20)	420 (7.97)	344 (10.59)
THA	637076	.	637076	424 (4.23)	419 (2.78)	423 (5.07)	397 (17.49)	381 (17.71)
TUN	150875	0.07	150770	384 (4.63)	382 (3.03)	371 (4.41)	360 (8.40)	301 (6.67)
URY	33775	0.17	33719	414 (7.40)	434 (4.04)	456 (4.22)	466 (8.44)	340 (8.09)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

To learn Mathematics, I try to remember every step in a procedure.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	534 (3.32)	524 (1.98)	531 (4.25)	495 (10.95)	413 (8.80)
AUT	85931	1.08	85003	498 (4.23)	509 (3.27)	522 (4.62)	511 (8.75)	440 (19.58)
BEL	111831	1.79	109825	523 (4.07)	544 (2.34)	542 (4.16)	505 (8.51)	386 (16.62)
CAN	330436	9.70	298375	544 (2.76)	535 (1.63)	540 (3.38)	514 (6.88)	498 (7.48)
CZE	121183	4.09	116221	506 (5.38)	516 (3.13)	549 (4.29)	559 (10.41)	447 (24.37)
DNK	51741	0.65	51406	534 (6.06)	520 (2.65)	510 (3.30)	487 (11.37)	443 (13.79)
FIN	57884	0.07	57845	564 (5.02)	549 (1.94)	534 (2.95)	498 (7.98)	475 (23.28)
FRA	734579	0.87	728167	516 (3.86)	520 (2.64)	498 (5.35)	467 (7.80)	408 (12.33)
DEU	884358	5.57	835070	487 (4.42)	509 (3.37)	536 (4.37)	543 (7.30)	400 (10.88)
GRC	105131	0.13	104991	443 (3.83)	446 (3.89)	459 (6.00)	438 (10.96)	351 (12.87)
HUN	107044	0.06	106984	495 (3.97)	490 (3.06)	489 (6.50)	481 (17.60)	378 (15.32)
ISL	3928	0.63	3903	522 (4.07)	520 (1.88)	509 (3.58)	493 (8.55)	436 (18.18)
IRL	54850	1.05	54274	506 (4.73)	505 (2.68)	506 (3.42)	477 (10.30)	402 (12.27)
ITA	481521	0.17	480697	459 (4.37)	468 (3.14)	473 (5.92)	456 (9.91)	370 (12.58)
JPN	1240054	0.10	1238855	553 (6.35)	551 (4.01)	522 (4.88)	472 (7.31)	418 (25.05)
KOR	533504	.	533504	570 (5.43)	544 (2.88)	543 (4.14)	506 (7.73)	. (.)
LUX	4080	0.08	4077	492 (3.30)	497 (1.69)	497 (2.80)	494 (6.83)	408 (8.28)
MEX	1071650	0.37	1067674	398 (4.37)	391 (3.18)	384 (7.35)	344 (13.80)	306 (6.79)
NLD	184943	3.42	178617	531 (7.85)	551 (3.14)	540 (3.79)	517 (9.38)	474 (11.53)
NZL	48638	1.37	47969	532 (5.79)	525 (2.26)	531 (3.62)	488 (12.61)	419 (14.54)
NOR	52816	0.77	52407	514 (5.47)	505 (2.47)	473 (4.11)	431 (7.05)	429 (9.71)
POL	534900	.	534900	493 (4.71)	486 (2.42)	509 (4.38)	509 (10.73)	382 (16.59)
PRT	96857	0.23	96637	469 (4.04)	461 (3.94)	479 (4.54)	474 (7.31)	438 (12.97)
SVK	77067	0.06	77022	479 (5.24)	497 (3.35)	524 (5.10)	514 (13.75)	412 (32.05)
ESP	344372	0.07	344114	488 (3.48)	493 (2.53)	470 (4.73)	418 (7.19)	375 (11.44)
SWE	107104	0.25	106838	528 (6.80)	518 (3.24)	503 (2.72)	465 (6.90)	420 (15.03)
CHE	86491	0.14	86370	516 (4.03)	526 (3.15)	541 (5.28)	544 (9.99)	445 (16.19)
TUR	481279	0.03	481137	439 (7.02)	433 (6.53)	427 (9.58)	397 (10.50)	334 (6.02)
GBR	698579	3.65	673085	527 (4.58)	514 (2.88)	493 (3.65)	464 (8.90)	416 (12.57)
USA	3147089	0.76	3123066	481 (4.36)	485 (2.74)	497 (5.11)	452 (13.61)	378 (12.76)
TOT	.	1.34	.	482 (1.73)	493 (1.14)	507 (1.46)	476 (3.63)	365 (4.54)
AVG	.	1.25	.	495 (1.02)	504 (0.65)	511 (0.73)	485 (1.85)	393 (3.05)
HKG	72484	0.21	72334	539 (7.75)	536 (4.76)	569 (4.82)	568 (8.32)	. (.)
IDN	1971476	0.03	1970972	352 (5.61)	365 (3.72)	367 (6.18)	340 (15.31)	291 (5.68)
LVA	33643	0.22	33570	490 (7.93)	484 (4.00)	486 (4.46)	457 (19.94)	433 (12.29)
LIE	338	.	338	490 (12.43)	532 (7.69)	549 (10.07)	. (.)	. (.)
MAC	6546	.	6546	512 (9.87)	509 (4.60)	538 (4.74)	580 (12.17)	. (.)
RUS	2153373	0.02	2152991	479 (6.31)	473 (4.38)	464 (4.66)	470 (13.75)	383 (6.45)
YUG	68596	0.57	68202	418 (4.91)	440 (3.43)	460 (4.64)	452 (8.69)	368 (8.78)
THA	637076	.	637076	414 (4.79)	417 (2.96)	423 (5.14)	401 (18.68)	382 (16.11)
TUN	150875	0.07	150770	369 (3.18)	362 (3.07)	353 (4.18)	349 (6.20)	307 (5.03)
URY	33775	0.17	33719	406 (6.08)	423 (3.30)	442 (3.78)	450 (8.10)	331 (6.69)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

To learn Mathematics, I try to remember every step in a procedure.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	535 (3.38)	524 (1.92)	532 (4.99)	499 (12.14)	408 (9.00)
AUT	85931	1.08	85003	487 (4.41)	494 (3.61)	506 (4.82)	492 (9.81)	428 (25.78)
BEL	111831	1.79	109825	509 (4.02)	523 (2.51)	517 (4.13)	481 (9.52)	359 (15.03)
CAN	330436	9.70	298375	526 (3.21)	523 (1.92)	526 (4.03)	504 (7.47)	484 (9.22)
CZE	121183	4.09	116221	513 (5.26)	522 (3.16)	555 (4.18)	561 (10.20)	451 (26.60)
DNK	51741	0.65	51406	491 (6.63)	481 (2.96)	474 (3.51)	457 (12.69)	382 (14.29)
FIN	57884	0.07	57845	565 (5.46)	553 (2.12)	538 (3.25)	501 (8.11)	508 (25.05)
FRA	734579	0.87	728167	516 (4.90)	522 (3.27)	496 (6.72)	460 (11.40)	390 (15.38)
DEU	884358	5.57	835070	489 (5.00)	510 (3.66)	534 (4.69)	542 (7.43)	382 (12.83)
GRC	105131	0.13	104991	480 (4.46)	482 (3.63)	494 (6.54)	462 (11.61)	398 (14.66)
HUN	107044	0.06	106984	508 (4.43)	504 (2.90)	500 (6.58)	498 (17.46)	370 (15.68)
ISL	3928	0.63	3903	499 (4.67)	498 (2.08)	491 (4.01)	487 (9.09)	408 (16.99)
IRL	54850	1.05	54274	511 (5.37)	507 (3.10)	507 (4.16)	480 (11.84)	405 (12.54)
ITA	481521	0.17	480697	484 (4.60)	489 (3.15)	492 (6.21)	467 (11.57)	355 (19.52)
JPN	1240054	0.10	1238855	568 (6.65)	567 (4.06)	531 (5.10)	485 (7.72)	427 (26.58)
KOR	533504	.	533504	566 (5.50)	541 (3.26)	538 (4.55)	504 (8.41)	. (.)
LUX	4080	0.08	4077	485 (3.93)	488 (2.12)	486 (3.68)	479 (7.59)	368 (11.04)
MEX	1071650	0.37	1067674	419 (4.40)	408 (3.10)	403 (6.16)	376 (14.76)	338 (7.68)
NLD	184943	3.42	178617	516 (9.44)	537 (3.43)	525 (4.01)	501 (9.66)	453 (14.06)
NZL	48638	1.37	47969	524 (5.71)	522 (2.35)	529 (4.10)	490 (12.68)	427 (15.53)
NOR	52816	0.77	52407	502 (5.88)	497 (3.16)	458 (4.64)	416 (9.46)	405 (10.38)
POL	534900	.	534900	501 (5.23)	493 (2.74)	516 (5.12)	518 (13.23)	406 (14.81)
PRT	96857	0.23	96637	474 (4.63)	462 (3.82)	482 (5.08)	477 (7.85)	425 (14.15)
SVK	77067	0.06	77022	478 (5.38)	494 (3.55)	517 (8.43)	514 (15.04)	386 (28.93)
ESP	344372	0.07	344114	492 (4.07)	496 (2.73)	471 (5.79)	410 (7.58)	348 (15.51)
SWE	107104	0.25	106838	524 (7.81)	516 (3.42)	499 (3.68)	463 (9.46)	406 (15.65)
CHE	86491	0.14	86370	503 (4.48)	512 (3.47)	526 (5.71)	526 (10.78)	444 (15.71)
TUR	481279	0.03	481137	447 (6.77)	441 (5.83)	437 (8.79)	412 (8.52)	368 (5.69)
GBR	698579	3.65	673085	537 (5.01)	525 (3.06)	503 (3.74)	474 (10.41)	402 (11.73)
USA	3147089	0.76	3123066	491 (4.86)	494 (2.87)	505 (5.45)	458 (12.49)	368 (18.31)
TOT	.	1.34	.	490 (1.83)	500 (1.16)	510 (1.58)	481 (3.64)	372 (4.42)
AVG	.	1.25	.	497 (0.98)	504 (0.62)	508 (0.87)	483 (1.89)	390 (2.84)
HKG	72484	0.21	72334	523 (7.26)	527 (4.63)	557 (4.44)	554 (7.99)	. (.)
IDN	1971476	0.03	1970972	394 (3.94)	398 (3.09)	398 (5.15)	383 (15.09)	346 (5.95)
LVA	33643	0.22	33570	489 (6.72)	490 (4.40)	492 (4.61)	474 (18.61)	430 (15.67)
LIE	338	.	338	471 (12.02)	524 (7.36)	539 (10.81)	. (.)	. (.)
MAC	6546	.	6546	512 (11.01)	507 (4.44)	538 (4.95)	568 (12.83)	. (.)
RUS	2153373	0.02	2152991	501 (6.98)	493 (4.52)	487 (4.53)	486 (15.30)	386 (9.92)
YUG	68596	0.57	68202	423 (4.97)	437 (3.54)	455 (4.74)	450 (10.17)	393 (10.26)
THA	637076	.	637076	431 (4.89)	427 (2.68)	437 (4.84)	421 (18.58)	412 (17.44)
TUN	150875	0.07	150770	394 (3.63)	390 (3.21)	381 (4.45)	378 (7.52)	322 (5.84)
URY	33775	0.17	33719	422 (6.85)	441 (3.48)	455 (3.84)	463 (8.96)	353 (6.72)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

To learn Mathematics, I try to remember every step in a procedure.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	536 (3.12)	530 (1.90)	536 (3.89)	503 (9.85)	419 (7.91)
AUT	85931	1.08	85003	499 (4.06)	509 (3.23)	523 (4.79)	515 (8.83)	434 (20.31)
BEL	111831	1.79	109825	520 (4.19)	538 (2.32)	535 (3.81)	498 (9.15)	401 (10.67)
CAN	330436	9.70	298375	541 (2.69)	533 (1.67)	535 (3.34)	507 (6.65)	500 (7.62)
CZE	121183	4.09	116221	507 (5.45)	517 (3.08)	547 (3.82)	552 (9.91)	449 (27.68)
DNK	51741	0.65	51406	533 (5.77)	522 (2.40)	514 (3.08)	493 (11.27)	437 (14.57)
FIN	57884	0.07	57845	565 (5.24)	552 (2.02)	537 (2.98)	507 (7.99)	491 (21.02)
FRA	734579	0.87	728167	522 (4.13)	529 (2.96)	507 (5.43)	473 (8.85)	418 (13.42)
DEU	884358	5.57	835070	497 (4.41)	518 (3.39)	541 (4.24)	548 (6.71)	411 (12.80)
GRC	105131	0.13	104991	442 (4.10)	451 (4.09)	466 (6.67)	432 (12.07)	336 (13.13)
HUN	107044	0.06	106984	502 (4.31)	502 (3.08)	501 (6.28)	496 (19.23)	406 (15.78)
ISL	3928	0.63	3903	512 (3.97)	509 (1.83)	500 (3.56)	487 (8.19)	421 (18.50)
IRL	54850	1.05	54274	502 (4.58)	501 (2.49)	501 (3.39)	476 (9.32)	393 (11.39)
ITA	481521	0.17	480697	463 (4.67)	473 (2.97)	475 (6.23)	454 (10.47)	330 (13.82)
JPN	1240054	0.10	1238855	563 (6.16)	565 (3.94)	534 (5.12)	485 (8.13)	409 (41.54)
KOR	533504	.	533504	569 (4.96)	552 (2.67)	552 (3.88)	520 (7.42)	. (.)
LUX	4080	0.08	4077	493 (3.69)	498 (1.96)	496 (2.93)	490 (6.55)	404 (9.49)
MEX	1071650	0.37	1067674	398 (5.09)	391 (3.97)	382 (8.46)	344 (15.14)	299 (7.68)
NLD	184943	3.42	178617	509 (8.92)	531 (3.25)	522 (3.71)	496 (9.76)	449 (12.29)
NZL	48638	1.37	47969	537 (5.64)	535 (2.19)	538 (3.85)	502 (11.63)	439 (16.59)
NOR	52816	0.77	52407	507 (5.59)	501 (2.71)	466 (4.39)	413 (8.95)	429 (11.00)
POL	534900	.	534900	484 (5.17)	484 (2.58)	504 (4.47)	507 (11.42)	368 (22.05)
PRT	96857	0.23	96637	473 (4.55)	466 (4.45)	481 (4.66)	470 (7.63)	444 (16.34)
SVK	77067	0.06	77022	469 (5.39)	490 (3.35)	521 (4.93)	508 (14.67)	420 (34.10)
ESP	344372	0.07	344114	485 (3.68)	491 (2.83)	464 (5.59)	412 (7.30)	367 (12.36)
SWE	107104	0.25	106838	522 (6.36)	517 (3.02)	504 (2.71)	467 (6.79)	431 (14.03)
CHE	86491	0.14	86370	514 (3.57)	521 (2.80)	535 (5.07)	538 (9.16)	418 (17.05)
TUR	481279	0.03	481137	421 (6.48)	417 (5.67)	411 (8.37)	386 (10.64)	318 (6.17)
GBR	698579	3.65	673085	527 (4.68)	516 (2.90)	495 (3.56)	461 (9.08)	430 (12.68)
USA	3147089	0.76	3123066	477 (4.54)	480 (2.92)	490 (5.41)	439 (13.83)	359 (13.77)
TOT	.	1.34	.	481 (1.73)	493 (1.21)	507 (1.52)	478 (3.98)	357 (5.27)
AVG	.	1.25	.	494 (1.04)	504 (0.66)	511 (0.76)	485 (1.97)	389 (3.20)
HKG	72484	0.21	72334	536 (7.70)	534 (4.36)	566 (4.47)	568 (7.65)	. (.)
IDN	1971476	0.03	1970972	350 (4.71)	366 (3.09)	370 (5.35)	356 (12.70)	303 (5.86)
LVA	33643	0.22	33570	486 (7.87)	483 (4.21)	484 (4.88)	472 (16.49)	412 (16.05)
LIE	338	.	338	484 (11.97)	526 (8.08)	545 (9.40)	. (.)	. (.)
MAC	6546	.	6546	511 (8.51)	517 (5.01)	546 (4.66)	569 (10.43)	. (.)
RUS	2153373	0.02	2152991	487 (6.90)	485 (4.60)	472 (5.08)	473 (14.16)	376 (10.14)
YUG	68596	0.57	68202	402 (4.52)	425 (3.18)	443 (4.17)	430 (7.88)	345 (9.46)
THA	637076	.	637076	429 (4.97)	425 (2.64)	427 (4.70)	405 (20.74)	397 (19.28)
TUN	150875	0.07	150770	352 (3.01)	350 (2.56)	341 (3.89)	332 (6.14)	295 (5.75)
URY	33775	0.17	33719	392 (6.82)	409 (3.80)	435 (4.56)	440 (8.11)	314 (7.53)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When learning Mathematics, I try to relate the work to things I have learnt in other subjects.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.37	234726	5.57	(0.29)	37.90	(0.49)	49.83	(0.61)	5.19	(0.23)	1.52	(0.17)
AUT	85931	1.08	85003	11.02	(0.64)	28.83	(0.79)	38.39	(0.88)	20.17	(0.70)	1.59	(0.60)
BEL	111831	1.79	109825	6.16	(0.29)	32.66	(0.73)	46.35	(0.80)	10.73	(0.39)	4.10	(0.53)
CAN	330436	9.70	298375	7.83	(0.28)	38.18	(0.48)	44.39	(0.47)	7.42	(0.28)	2.18	(0.17)
CZE	121183	4.09	116221	6.65	(0.36)	41.99	(0.81)	44.29	(0.86)	5.66	(0.39)	1.41	(0.35)
DNK	51741	0.65	51406	5.30	(0.34)	39.85	(0.78)	46.33	(0.89)	4.64	(0.34)	3.88	(0.35)
FIN	57884	0.07	57845	3.54	(0.23)	35.79	(0.69)	52.44	(0.80)	7.73	(0.40)	0.50	(0.10)
FRA	734579	0.87	728167	7.86	(0.43)	35.28	(0.70)	42.02	(0.81)	12.65	(0.56)	2.19	(0.28)
DEU	884358	5.57	835070	9.75	(0.63)	25.48	(0.70)	43.87	(0.83)	18.61	(0.72)	2.29	(0.30)
GRC	105131	0.13	104991	12.13	(0.61)	38.57	(0.78)	37.71	(0.79)	9.21	(0.49)	2.38	(0.38)
HUN	107044	0.06	106984	5.64	(0.38)	32.27	(0.79)	50.74	(0.96)	10.41	(0.44)	0.94	(0.18)
ISL	3928	0.63	3903	7.82	(0.40)	29.39	(0.81)	48.79	(0.88)	12.81	(0.63)	1.19	(0.19)
IRL	54850	1.05	54274	6.13	(0.41)	29.46	(0.83)	52.81	(0.83)	10.08	(0.54)	1.53	(0.23)
ITA	481521	0.17	480697	7.98	(0.50)	35.49	(0.79)	45.67	(0.88)	9.73	(0.56)	1.13	(0.18)
JPN	1240054	0.10	1238855	2.58	(0.22)	11.82	(0.54)	54.18	(0.76)	30.64	(0.83)	0.78	(0.29)
KOR	533504	.	533504	2.33	(0.22)	18.81	(0.59)	64.10	(0.73)	14.36	(0.51)	0.40	(.)
LUX	4080	0.08	4077	8.53	(0.48)	24.34	(0.71)	43.18	(0.74)	21.30	(0.62)	2.66	(0.23)
MEX	1071650	0.37	1067674	18.45	(0.67)	47.23	(0.76)	23.82	(0.72)	3.05	(0.24)	7.45	(0.74)
NLD	184943	3.36	178729	3.80	(0.38)	36.00	(0.84)	50.50	(0.89)	7.74	(0.50)	1.97	(0.37)
NZL	48638	1.35	47979	6.89	(0.43)	39.76	(0.80)	46.09	(0.84)	6.35	(0.43)	0.90	(0.15)
NOR	52816	0.77	52407	5.72	(0.42)	29.44	(0.88)	48.80	(0.92)	11.88	(0.57)	4.16	(0.45)
POL	534900	.	534900	8.34	(0.45)	50.07	(0.85)	35.76	(0.83)	4.66	(0.32)	1.17	(0.24)
PRT	96857	0.23	96637	4.95	(0.35)	35.65	(0.86)	48.03	(0.91)	9.76	(0.48)	1.61	(0.28)
SVK	77067	0.06	77022	10.71	(0.54)	55.84	(0.85)	28.73	(0.77)	3.38	(0.35)	1.34	(0.47)
ESP	344372	0.07	344114	7.04	(0.36)	36.60	(0.85)	45.24	(0.86)	9.40	(0.38)	1.73	(0.22)
SWE	107104	0.25	106838	4.73	(0.41)	35.78	(0.71)	48.80	(0.95)	8.41	(0.45)	2.29	(0.24)
CHE	86491	0.14	86370	9.06	(0.46)	35.53	(0.71)	41.34	(0.95)	12.39	(0.51)	1.68	(0.21)
TUR	481279	0.03	481137	16.82	(0.86)	45.87	(0.81)	23.00	(0.79)	5.96	(0.38)	8.35	(1.03)
GBR	698579	3.65	673085	6.52	(0.36)	39.54	(0.83)	45.01	(0.86)	6.92	(0.38)	2.01	(0.25)
USA	3147089	0.76	3123066	10.12	(0.46)	41.23	(0.78)	40.06	(0.87)	6.63	(0.39)	1.96	(0.29)
TOT	.	1.34	.	8.86	(0.18)	35.68	(0.24)	42.22	(0.26)	10.76	(0.15)	2.48	(0.11)
AVG	.	1.25	.	7.67	(0.09)	35.49	(0.15)	44.33	(0.15)	10.27	(0.09)	2.24	(0.07)
HKG	72484	0.21	72334	4.93	(0.27)	35.28	(0.87)	50.07	(0.86)	9.39	(0.43)	0.33	(.)
IDN	1971476	0.03	1970972	5.67	(0.37)	35.25	(0.82)	47.69	(0.87)	6.49	(0.40)	4.91	(0.55)
LVA	33643	0.22	33570	4.81	(0.43)	43.79	(0.92)	46.04	(1.06)	4.16	(0.34)	1.21	(0.19)
LIE	338	.	338	9.07	(.)	31.37	(2.39)	42.44	(2.65)	15.61	(1.91)	1.50	(.)
MAC	6546	.	6546	4.65	(0.74)	32.85	(1.53)	53.51	(1.57)	8.35	(0.84)	0.65	(.)
RUS	2153373	0.02	2152991	7.67	(0.41)	47.33	(0.71)	38.62	(0.85)	3.71	(0.29)	2.66	(0.30)
YUG	68596	0.57	68205	12.36	(0.54)	37.76	(0.88)	34.22	(0.81)	8.18	(0.48)	7.47	(0.87)
THA	637076	.	637076	9.05	(0.47)	65.46	(0.78)	23.37	(0.80)	1.09	(0.16)	1.03	(0.20)
TUN	150875	0.07	150770	26.28	(0.82)	42.04	(0.73)	20.23	(0.73)	6.99	(0.34)	4.45	(0.35)
URY	33775	0.17	33719	11.56	(0.52)	37.47	(0.90)	37.25	(0.79)	7.19	(0.40)	6.53	(0.49)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When learning Mathematics, I try to relate the work to things I have learnt in other subjects.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	512 (5.83)	519 (2.75)	535 (2.57)	533 (5.03)	404 (8.51)
AUT	85931	1.08	85003	470 (6.68)	484 (4.27)	505 (3.91)	502 (4.47)	422 (37.33)
BEL	111831	1.79	109825	471 (7.44)	501 (3.81)	532 (2.11)	525 (5.00)	354 (18.10)
CAN	330436	9.70	298375	524 (4.81)	526 (2.19)	540 (1.73)	529 (3.94)	489 (7.49)
CZE	121183	4.09	116221	498 (5.81)	501 (3.38)	495 (3.07)	485 (5.85)	411 (24.88)
DNK	51741	0.65	51406	494 (7.99)	492 (3.16)	500 (2.65)	482 (8.38)	423 (13.76)
FIN	57884	0.07	57845	538 (7.31)	543 (2.49)	545 (1.84)	538 (4.64)	474 (28.36)
FRA	734579	0.87	728167	482 (7.56)	499 (3.58)	508 (2.86)	488 (5.22)	374 (12.18)
DEU	884358	5.57	835070	462 (6.67)	492 (4.86)	518 (3.34)	512 (4.84)	356 (10.98)
GRC	105131	0.13	104991	464 (6.14)	471 (4.56)	485 (4.24)	472 (7.56)	330 (17.78)
HUN	107044	0.06	106984	467 (7.11)	479 (3.65)	486 (3.01)	491 (6.03)	356 (19.94)
ISL	3928	0.63	3903	456 (6.49)	487 (3.28)	504 (2.19)	494 (5.36)	370 (22.71)
IRL	54850	1.05	54274	501 (8.14)	503 (3.82)	526 (2.73)	520 (4.73)	384 (16.12)
ITA	481521	0.17	480697	453 (7.78)	472 (3.44)	485 (3.12)	478 (5.27)	352 (16.05)
JPN	1240054	0.10	1238855	493 (10.12)	490 (7.00)	503 (3.99)	499 (4.58)	325 (42.17)
KOR	533504	.	533504	537 (8.96)	545 (4.49)	534 (3.09)	523 (4.42)	. (.)
LUX	4080	0.08	4077	436 (6.39)	458 (3.48)	498 (2.78)	499 (3.17)	358 (13.01)
MEX	1071650	0.37	1067674	395 (5.54)	405 (3.89)	422 (4.78)	410 (8.98)	301 (6.57)
NLD	184943	3.36	178729	502 (9.01)	517 (3.13)	522 (3.24)	507 (6.79)	486 (11.52)
NZL	48638	1.35	47979	497 (8.36)	513 (2.90)	538 (2.63)	530 (7.53)	420 (16.79)
NOR	52816	0.77	52407	469 (9.96)	501 (3.82)	514 (2.88)	482 (6.63)	429 (11.68)
POL	534900	.	534900	494 (6.56)	493 (3.45)	506 (3.18)	504 (8.56)	355 (20.97)
PRT	96857	0.23	96637	465 (8.50)	468 (4.99)	487 (3.58)	478 (5.67)	441 (14.36)
SVK	77067	0.06	77022	459 (5.88)	472 (3.17)	474 (4.12)	452 (10.32)	371 (33.22)
ESP	344372	0.07	344114	473 (6.25)	483 (2.87)	490 (3.21)	452 (6.05)	372 (14.16)
SWE	107104	0.25	106838	516 (11.52)	517 (3.68)	520 (2.41)	500 (6.42)	429 (17.93)
CHE	86491	0.14	86370	468 (6.96)	490 (3.31)	513 (4.06)	515 (7.01)	411 (17.15)
TUR	481279	0.03	481137	453 (8.40)	455 (6.28)	442 (5.86)	409 (6.35)	361 (5.62)
GBR	698579	3.65	673085	495 (5.87)	502 (3.03)	518 (3.19)	503 (5.89)	403 (11.98)
USA	3147089	0.76	3123066	477 (6.15)	486 (3.28)	515 (3.20)	502 (7.23)	372 (15.66)
TOT	.	1.34	.	463 (2.77)	481 (1.34)	506 (1.30)	497 (2.16)	356 (4.51)
AVG	.	1.25	.	471 (1.67)	490 (0.81)	509 (0.64)	498 (1.05)	381 (3.30)
HKG	72484	0.21	72334	515 (7.36)	515 (4.28)	509 (4.02)	495 (5.71)	. (.)
IDN	1971476	0.03	1970972	367 (6.64)	391 (3.93)	386 (3.56)	369 (6.84)	309 (8.19)
LVA	33643	0.22	33570	487 (12.95)	487 (4.11)	496 (4.00)	494 (7.52)	411 (16.83)
LIE	338	.	338	. (.)	511 (8.89)	542 (7.16)	531 (12.03)	. (.)
MAC	6546	.	6546	494 (13.88)	501 (4.06)	497 (3.23)	489 (9.20)	. (.)
RUS	2153373	0.02	2152991	447 (6.45)	440 (4.01)	450 (4.30)	454 (8.73)	333 (10.88)
YUG	68596	0.57	68205	400 (5.26)	411 (4.02)	429 (3.52)	429 (5.08)	343 (10.70)
THA	637076	.	637076	424 (5.05)	419 (2.77)	423 (4.25)	417 (13.69)	377 (17.01)
TUN	150875	0.07	150770	376 (4.08)	377 (3.37)	387 (4.17)	373 (6.32)	293 (8.05)
URY	33775	0.17	33719	414 (7.84)	435 (4.29)	455 (3.74)	440 (7.69)	339 (8.10)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When learning Mathematics, I try to relate the work to things I have learnt in other subjects.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	521 (5.45)	522 (2.59)	530 (2.31)	523 (5.18)	420 (8.71)
AUT	85931	1.08	85003	493 (5.87)	507 (3.82)	514 (3.67)	507 (4.46)	441 (21.13)
BEL	111831	1.79	109825	504 (6.53)	526 (3.56)	553 (2.23)	536 (4.68)	392 (16.49)
CAN	330436	9.70	298375	545 (4.64)	533 (2.04)	539 (1.88)	529 (3.73)	498 (6.62)
CZE	121183	4.09	116221	532 (5.59)	533 (3.79)	516 (3.47)	503 (6.98)	444 (24.29)
DNK	51741	0.65	51406	535 (7.67)	518 (3.02)	517 (3.03)	493 (8.35)	453 (11.80)
FIN	57884	0.07	57845	563 (7.05)	552 (2.86)	541 (1.79)	526 (5.39)	488 (23.92)
FRA	734579	0.87	728167	507 (6.20)	518 (3.13)	519 (2.88)	492 (4.53)	415 (10.40)
DEU	884358	5.57	835070	488 (6.28)	509 (4.70)	523 (3.29)	511 (4.99)	393 (8.96)
GRC	105131	0.13	104991	446 (5.93)	446 (4.41)	451 (4.07)	438 (6.24)	358 (13.15)
HUN	107044	0.06	106984	483 (8.19)	490 (3.92)	492 (3.11)	492 (5.36)	395 (17.68)
ISL	3928	0.63	3903	491 (5.41)	513 (3.01)	525 (1.99)	508 (4.55)	427 (17.37)
IRL	54850	1.05	54274	497 (8.08)	498 (3.33)	511 (2.64)	495 (4.82)	387 (11.45)
ITA	481521	0.17	480697	461 (6.16)	469 (3.47)	468 (3.50)	461 (4.74)	375 (10.78)
JPN	1240054	0.10	1238855	543 (10.25)	532 (7.32)	541 (4.19)	525 (4.09)	411 (28.59)
KOR	533504	.	533504	564 (10.91)	566 (4.90)	540 (3.28)	520 (4.32)	. (.)
LUX	4080	0.08	4077	468 (4.73)	479 (3.27)	505 (1.84)	504 (2.98)	418 (9.75)
MEX	1071650	0.37	1067674	384 (4.82)	391 (3.43)	401 (4.33)	392 (7.17)	301 (6.51)
NLD	184943	3.36	178729	536 (11.07)	548 (3.09)	546 (3.31)	519 (6.85)	477 (9.87)
NZL	48638	1.35	47979	514 (8.49)	518 (2.56)	536 (2.34)	520 (7.82)	427 (13.75)
NOR	52816	0.77	52407	480 (8.35)	498 (3.40)	506 (2.71)	473 (4.43)	434 (8.54)
POL	534900	.	534900	504 (6.18)	489 (3.15)	491 (2.67)	494 (7.43)	378 (16.96)
PRT	96857	0.23	96637	471 (8.71)	464 (4.35)	471 (3.45)	455 (5.22)	439 (12.81)
SVK	77067	0.06	77022	493 (5.66)	503 (3.46)	498 (3.90)	474 (10.88)	414 (31.64)
ESP	344372	0.07	344114	488 (5.55)	492 (2.75)	489 (3.02)	455 (4.71)	389 (11.74)
SWE	107104	0.25	106838	521 (10.43)	516 (3.75)	510 (2.48)	489 (5.38)	432 (17.06)
CHE	86491	0.14	86370	506 (5.32)	520 (3.51)	536 (3.98)	536 (6.75)	457 (17.94)
TUR	481279	0.03	481137	442 (9.43)	436 (7.68)	427 (6.46)	386 (6.90)	337 (5.62)
GBR	698579	3.65	673085	507 (5.84)	507 (3.01)	515 (3.30)	499 (4.98)	411 (11.87)
USA	3147089	0.76	3123066	470 (5.11)	476 (3.12)	499 (3.07)	487 (6.65)	385 (13.79)
TOT	.	1.34	.	466 (2.56)	481 (1.24)	507 (1.17)	500 (1.86)	367 (4.44)
AVG	.	1.25	.	484 (1.46)	499 (0.76)	511 (0.63)	498 (1.03)	397 (3.19)
HKG	72484	0.21	72334	572 (8.84)	564 (5.41)	545 (4.66)	521 (6.65)	. (.)
IDN	1971476	0.03	1970972	347 (7.61)	372 (4.60)	363 (4.15)	343 (5.53)	289 (6.04)
LVA	33643	0.22	33570	491 (14.54)	484 (4.60)	485 (3.54)	477 (7.70)	415 (12.08)
LIE	338	.	338	. (.)	519 (8.24)	552 (7.68)	541 (12.98)	. (.)
MAC	6546	.	6546	542 (23.30)	540 (5.39)	520 (4.10)	516 (10.84)	. (.)
RUS	2153373	0.02	2152991	477 (6.51)	469 (4.50)	472 (4.55)	471 (8.44)	379 (6.92)
YUG	68596	0.57	68205	426 (5.93)	439 (4.35)	452 (3.74)	448 (5.19)	367 (8.76)
THA	637076	.	637076	421 (5.31)	416 (3.11)	420 (3.79)	398 (13.24)	377 (16.06)
TUN	150875	0.07	150770	366 (3.56)	360 (2.92)	364 (3.91)	346 (5.16)	300 (5.65)
URY	33775	0.17	33719	411 (7.33)	423 (4.05)	441 (3.27)	422 (8.66)	334 (6.80)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When learning Mathematics, I try to relate the work to things I have learnt in other subjects.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	522 (6.01)	523 (3.02)	532 (2.42)	523 (5.49)	415 (9.07)
AUT	85931	1.08	85003	475 (6.12)	486 (4.14)	502 (4.00)	500 (4.54)	426 (26.41)
BEL	111831	1.79	109825	482 (6.90)	506 (3.74)	531 (2.14)	518 (5.22)	364 (15.09)
CAN	330436	9.70	298375	522 (5.30)	519 (2.64)	529 (2.15)	519 (4.19)	477 (9.27)
CZE	121183	4.09	116221	536 (6.40)	537 (3.66)	524 (3.48)	514 (7.08)	443 (27.86)
DNK	51741	0.65	51406	499 (9.03)	481 (3.33)	477 (2.97)	458 (10.35)	396 (12.92)
FIN	57884	0.07	57845	557 (8.51)	554 (3.21)	546 (2.09)	534 (5.58)	513 (25.01)
FRA	734579	0.87	728167	509 (8.13)	519 (4.16)	520 (3.49)	492 (5.70)	398 (13.81)
DEU	884358	5.57	835070	484 (7.13)	508 (5.15)	525 (3.68)	515 (4.90)	371 (11.37)
GRC	105131	0.13	104991	482 (6.73)	480 (3.98)	488 (4.64)	474 (6.57)	407 (15.84)
HUN	107044	0.06	106984	501 (7.90)	502 (3.80)	505 (2.86)	510 (5.74)	385 (17.21)
ISL	3928	0.63	3903	473 (5.86)	491 (3.51)	505 (2.28)	491 (5.42)	407 (16.83)
IRL	54850	1.05	54274	494 (9.71)	497 (3.98)	514 (2.94)	505 (4.90)	394 (15.02)
ITA	481521	0.17	480697	476 (8.01)	487 (3.82)	490 (3.41)	493 (4.69)	359 (15.14)
JPN	1240054	0.10	1238855	551 (10.51)	546 (7.98)	552 (4.28)	543 (4.52)	421 (31.08)
KOR	533504	.	533504	550 (11.04)	558 (5.30)	536 (3.64)	523 (5.32)	. (.)
LUX	4080	0.08	4077	451 (6.12)	468 (3.66)	497 (2.39)	497 (3.11)	377 (12.81)
MEX	1071650	0.37	1067674	407 (4.77)	408 (3.39)	419 (3.93)	409 (8.09)	332 (7.05)
NLD	184943	3.36	178729	514 (10.87)	531 (3.65)	533 (3.48)	511 (7.54)	455 (13.22)
NZL	48638	1.35	47979	505 (9.15)	513 (2.72)	535 (2.67)	528 (7.66)	430 (14.88)
NOR	52816	0.77	52407	462 (9.54)	488 (3.91)	496 (3.04)	467 (6.02)	407 (9.77)
POL	534900	.	534900	508 (6.93)	494 (3.74)	502 (3.38)	507 (8.73)	403 (15.82)
PRT	96857	0.23	96637	467 (9.34)	463 (4.70)	474 (3.49)	463 (5.57)	427 (13.92)
SVK	77067	0.06	77022	493 (6.19)	499 (3.61)	494 (5.14)	482 (11.49)	380 (30.65)
ESP	344372	0.07	344114	490 (6.45)	495 (3.09)	491 (3.47)	459 (6.25)	364 (17.78)
SWE	107104	0.25	106838	522 (10.72)	512 (4.01)	508 (2.82)	488 (6.83)	423 (16.83)
CHE	86491	0.14	86370	493 (7.83)	507 (3.73)	523 (4.66)	518 (8.63)	460 (18.54)
TUR	481279	0.03	481137	448 (8.51)	444 (6.81)	435 (5.88)	406 (6.23)	369 (5.48)
GBR	698579	3.65	673085	515 (6.81)	516 (3.03)	527 (3.39)	513 (6.36)	400 (11.64)
USA	3147089	0.76	3123066	479 (5.95)	483 (3.17)	509 (3.24)	497 (6.71)	377 (18.81)
TOT	.	1.34	.	474 (2.66)	487 (1.22)	513 (1.23)	510 (1.96)	373 (4.57)
AVG	.	1.25	.	484 (1.64)	497 (0.75)	511 (0.66)	502 (1.06)	392 (2.94)
HKG	72484	0.21	72334	552 (8.89)	549 (5.04)	536 (4.43)	518 (6.32)	. (.)
IDN	1971476	0.03	1970972	392 (6.57)	404 (3.86)	396 (3.37)	378 (4.53)	346 (6.06)
LVA	33643	0.22	33570	491 (14.35)	490 (4.43)	490 (3.83)	488 (8.33)	413 (13.88)
LIE	338	.	338	. (.)	510 (9.18)	544 (8.67)	527 (12.74)	. (.)
MAC	6546	.	6546	542 (17.49)	538 (6.10)	518 (4.01)	505 (13.53)	. (.)
RUS	2153373	0.02	2152991	502 (7.23)	490 (4.55)	493 (4.67)	489 (8.25)	385 (9.71)
YUG	68596	0.57	68205	425 (5.55)	435 (3.84)	450 (3.90)	448 (5.19)	392 (10.45)
THA	637076	.	637076	436 (4.68)	428 (2.82)	432 (3.94)	427 (13.02)	406 (16.44)
TUN	150875	0.07	150770	392 (3.41)	385 (2.99)	392 (4.36)	379 (5.33)	312 (8.39)
URY	33775	0.17	33719	426 (6.91)	442 (4.16)	454 (3.25)	439 (8.16)	354 (6.47)

Student Questionnaire – Question 34

Q34 There are different ways of studying Mathematics. To what extent do you agree with the following statements?

When learning Mathematics, I try to relate the work to things I have learnt in other subjects.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.37	234726	524 (5.54)	527 (2.50)	536 (2.36)	530 (4.66)	428 (8.00)
AUT	85931	1.08	85003	489 (5.72)	505 (3.88)	516 (3.34)	512 (4.14)	435 (21.74)
BEL	111831	1.79	109825	497 (7.39)	521 (3.46)	547 (2.05)	532 (4.64)	405 (11.18)
CAN	330436	9.70	298375	539 (4.53)	531 (2.05)	538 (1.82)	524 (4.02)	497 (6.75)
CZE	121183	4.09	116221	530 (5.67)	532 (3.65)	517 (3.26)	504 (6.88)	444 (27.58)
DNK	51741	0.65	51406	531 (7.11)	519 (2.72)	522 (2.67)	499 (8.03)	448 (12.62)
FIN	57884	0.07	57845	560 (7.31)	553 (2.72)	546 (1.92)	535 (5.23)	503 (18.27)
FRA	734579	0.87	728167	511 (6.94)	525 (3.28)	528 (3.07)	503 (4.44)	424 (12.67)
DEU	884358	5.57	835070	492 (6.08)	515 (4.48)	532 (3.30)	521 (4.64)	404 (10.45)
GRC	105131	0.13	104991	446 (6.21)	450 (4.28)	457 (4.22)	438 (6.27)	341 (14.44)
HUN	107044	0.06	106984	487 (8.27)	501 (4.07)	504 (2.98)	505 (5.85)	421 (17.67)
ISL	3928	0.63	3903	479 (5.76)	502 (2.66)	515 (2.26)	501 (4.60)	418 (20.17)
IRL	54850	1.05	54274	488 (7.93)	492 (3.12)	507 (2.63)	493 (4.23)	380 (11.27)
ITA	481521	0.17	480697	457 (7.20)	471 (3.51)	475 (3.37)	464 (5.32)	336 (11.86)
JPN	1240054	0.10	1238855	547 (10.08)	543 (6.99)	553 (4.39)	542 (4.22)	404 (46.73)
KOR	533504	.	533504	564 (9.41)	568 (4.58)	549 (3.14)	534 (4.20)	. (.)
LUX	4080	0.08	4077	465 (5.06)	480 (3.24)	507 (2.41)	504 (3.37)	414 (10.81)
MEX	1071650	0.37	1067674	380 (5.95)	390 (4.12)	405 (5.50)	397 (9.86)	291 (7.00)
NLD	184943	3.36	178729	511 (10.75)	527 (3.14)	527 (3.59)	502 (7.14)	453 (10.96)
NZL	48638	1.35	47979	517 (7.54)	527 (2.73)	545 (2.46)	534 (7.18)	442 (15.77)
NOR	52816	0.77	52407	467 (9.74)	493 (3.46)	502 (3.06)	466 (5.29)	434 (9.84)
POL	534900	.	534900	492 (6.90)	485 (3.28)	491 (2.96)	497 (7.46)	361 (24.93)
PRT	96857	0.23	96637	469 (9.23)	466 (4.94)	476 (3.71)	458 (6.36)	448 (15.12)
SVK	77067	0.06	77022	483 (6.39)	496 (3.49)	493 (3.73)	470 (10.72)	423 (33.16)
ESP	344372	0.07	344114	481 (6.35)	488 (2.97)	488 (3.45)	450 (5.16)	382 (13.01)
SWE	107104	0.25	106838	509 (9.87)	513 (3.64)	512 (2.40)	491 (5.39)	445 (16.59)
CHE	86491	0.14	86370	498 (5.93)	515 (3.59)	532 (3.41)	533 (6.48)	426 (18.25)
TUR	481279	0.03	481137	424 (8.51)	420 (6.66)	411 (5.76)	373 (6.30)	321 (6.09)
GBR	698579	3.65	673085	507 (6.08)	509 (2.95)	516 (3.12)	497 (5.64)	424 (12.64)
USA	3147089	0.76	3123066	463 (5.44)	469 (3.36)	494 (3.22)	482 (7.23)	367 (15.04)
TOT	.	1.34	.	461 (2.64)	479 (1.28)	509 (1.30)	507 (2.00)	359 (5.03)
AVG	.	1.25	.	479 (1.53)	497 (0.76)	513 (0.66)	502 (1.05)	392 (3.30)
HKG	72484	0.21	72334	567 (8.45)	558 (5.03)	544 (4.48)	525 (6.05)	. (.)
IDN	1971476	0.03	1970972	345 (6.67)	372 (3.79)	364 (3.69)	346 (5.31)	302 (5.69)
LVA	33643	0.22	33570	482 (13.25)	481 (4.80)	487 (4.05)	483 (7.41)	394 (15.62)
LIE	338	.	338	. (.)	516 (8.40)	545 (7.49)	534 (11.99)	. (.)
MAC	6546	.	6546	541 (18.07)	544 (5.25)	526 (4.16)	518 (8.47)	. (.)
RUS	2153373	0.02	2152991	483 (6.67)	479 (4.68)	484 (5.12)	485 (8.92)	372 (10.51)
YUG	68596	0.57	68205	408 (6.00)	422 (4.11)	437 (3.61)	432 (5.90)	345 (9.53)
THA	637076	.	637076	434 (5.76)	424 (2.73)	426 (3.86)	408 (13.65)	387 (20.21)
TUN	150875	0.07	150770	348 (3.44)	347 (2.61)	352 (3.33)	338 (4.11)	288 (6.40)
URY	33775	0.17	33719	392 (7.66)	410 (4.53)	432 (4.11)	417 (9.41)	315 (7.38)

Student Questionnaire – Question 35b

Q35b In the last full week you were in school, how many <class periods> did you spend in <Mathematics>?

Number of Mathematics <class periods>:

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234750	4.26	4.5 (0.06)	2.00	3.00	4.00	4.00	5.00	6.00	7.00
AUT	85931	1.08	85003	7.77	3.4 (0.08)	1.00	1.00	2.00	3.00	4.00	5.00	6.00
BEL	111831	1.79	109825	7.75	3.9 (0.04)	1.00	2.00	3.00	4.00	5.00	5.00	6.00
CAN	330436	9.70	298375	4.87	3.2 (0.03)	0.00	0.00	1.00	4.00	5.00	5.00	6.00
CZE	121183	4.05	116275	1.84	3.7 (0.05)	2.00	2.00	3.00	4.00	4.00	5.00	5.00
DNK	51741	0.65	51406	9.44	4.3 (0.04)	2.00	3.00	4.00	4.00	5.00	6.00	6.00
FIN	57884	0.07	57845	2.68	3.5 (0.06)	0.00	2.00	3.00	3.00	4.00	5.00	6.00
FRA	734579	0.87	728167	8.34	3.8 (0.03)	1.00	2.00	3.00	4.00	4.00	5.00	5.00
DEU	884358	5.57	835070	5.25	4.0 (0.04)	2.00	3.00	3.00	4.00	4.00	5.00	6.00
GRC	105131	0.13	104991	3.36	4.1 (0.05)	3.00	3.00	4.00	4.00	5.00	5.00	5.00
HUN	107044	0.06	106984	2.34	3.6 (0.04)	3.00	3.00	3.00	4.00	4.00	5.00	5.00
ISL	3928	0.63	3903	3.68	5.8 (0.02)	4.00	5.00	5.00	6.00	6.00	7.00	8.00
IRL	54850	1.05	54274	3.07	4.8 (0.04)	3.00	3.00	4.00	5.00	5.00	6.00	6.00
ITA	481521	0.19	480598	4.39	4.0 (0.05)	1.00	2.00	3.00	4.00	5.00	5.00	6.00
JPN	1240054	0.10	1238855	6.13	4.3 (0.08)	1.00	2.00	3.00	4.00	5.00	6.00	7.00
KOR	533504	0.08	533080	5.36	4.9 (0.07)	3.00	4.00	4.00	4.00	5.00	7.00	8.00
LUX	4080	0.08	4077	5.14	4.0 (0.03)	2.00	3.00	4.00	4.00	4.00	5.00	6.00
MEX	1071650	38.36	660606	3.68	4.8 (0.08)	2.00	2.00	4.00	5.00	5.00	5.00	7.00
NLD	184943	3.11	179183	5.84	3.1 (0.06)	0.00	1.00	3.00	3.00	4.00	4.00	5.00
NZL	48638	0.69	48300	4.15	4.3 (0.04)	3.00	4.00	4.00	4.00	5.00	5.00	6.00
NOR	52816	0.77	52407	11.47	3.7 (0.10)	0.00	2.00	3.00	4.00	4.00	5.00	6.00
POL	534900	.	534900	2.21	4.6 (0.04)	4.00	4.00	4.00	5.00	5.00	5.00	6.00
PRT	96857	1.88	95033	14.86	3.6 (0.06)	2.00	2.00	3.00	4.00	4.00	5.00	5.00
SVK	77067	0.06	77021	4.49	4.4 (0.07)	2.00	3.00	3.00	4.00	5.00	6.00	6.00
ESP	344372	0.07	344114	2.09	3.3 (0.02)	2.00	3.00	3.00	3.00	4.00	4.00	4.00
SWE	107104	0.25	106838	4.38	3.2 (0.06)	2.00	2.00	3.00	3.00	4.00	4.00	4.00
CHE	86491	0.18	86339	4.17	4.4 (0.12)	1.00	2.00	4.00	4.00	5.00	6.00	6.00
TUR	481279	0.03	481137	9.78	4.8 (0.07)	3.00	4.00	4.00	5.00	5.00	5.00	7.00
GBR	698579	3.63	673219	4.58	3.9 (0.05)	3.00	3.00	3.00	4.00	4.00	5.00	6.00
USA	3147089	0.76	3123066	6.44	3.7 (0.06)	0.00	1.00	2.00	5.00	5.00	5.00	5.00
TOT	.	4.72	.	5.68	4.0 (0.02)	1.00	2.00	3.00	4.00	5.00	5.00	6.00
AVG	.	2.54	.	5.48	4.1 (0.01)	1.00	2.00	3.00	4.00	5.00	6.00	6.00
HKG	72484	0.21	72334	4.47	7.5 (0.09)	3.00	5.00	6.00	7.00	8.00	10.00	12.00
IDN	1971476	0.02	1971156	5.14	4.9 (0.09)	2.00	2.00	3.00	6.00	6.00	6.00	8.00
LVA	33643	0.22	33570	2.77	5.3 (0.10)	3.00	4.00	5.00	5.00	6.00	6.00	7.00
LIE	338	.	338	0.59	4.8 (0.04)	3.00	4.00	4.00	5.00	5.00	6.00	7.00
MAC	6546	.	6546	2.65	6.7 (0.07)	4.00	4.00	6.00	7.00	8.00	9.00	10.00
RUS	2153373	0.02	2152991	2.89	4.8 (0.08)	2.00	3.00	4.00	5.00	6.00	6.00	7.00
YUG	68596	0.51	68244	9.54	3.6 (0.05)	2.00	3.00	3.00	3.00	4.00	4.00	5.00
THA	637076	.	637076	1.72	4.3 (0.05)	2.00	2.00	3.00	5.00	5.00	6.00	6.00
TUN	150875	0.09	150739	7.83	4.2 (0.02)	4.00	4.00	4.00	4.00	4.00	5.00	5.00
URY	33775	0.17	33719	11.21	4.3 (0.07)	2.00	2.00	4.00	4.00	5.00	5.00	6.00

Student Questionnaire – Question 35c

Q35c In the last full week you were in school, how many <class periods> did you have <in total>?
Number of ALL <class periods> (including your <Mathematics> classes):

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.36	234750	11.58	28.2 (0.39)	14.00	19.00	24.00	30.00	34.00	37.00	40.00
AUT	85931	1.08	85003	20.36	32.8 (0.42)	9.00	18.00	31.00	34.00	38.00	41.00	45.00
BEL	111831	1.79	109825	21.57	32.2 (0.10)	22.00	30.00	32.00	32.00	35.00	36.00	36.00
CAN	330436	9.70	298375	8.32	20.5 (0.12)	5.00	8.00	20.00	20.00	25.00	27.00	33.00
CZE	121183	4.05	116275	15.07	31.4 (0.10)	27.00	29.00	30.00	31.00	33.00	35.00	36.00
DNK	51741	0.65	51406	25.55	27.9 (0.21)	17.00	20.00	28.00	29.00	30.00	32.00	35.00
FIN	57884	0.07	57845	11.29	30.0 (0.08)	26.00	28.00	30.00	30.00	31.00	32.00	34.00
FRA	734579	0.87	728167	26.76	27.1 (0.24)	9.00	15.00	25.00	29.00	32.00	34.00	36.00
DEU	884358	5.57	835070	15.33	30.1 (0.14)	22.00	26.00	29.00	30.00	32.00	34.00	36.00
GRC	105131	0.13	104991	0.03	31.4 (0.09)	30.00	30.00	30.00	30.00	34.00	34.00	35.00
HUN	107044	0.06	106984	8.01	31.9 (0.13)	28.00	29.00	30.00	32.00	34.00	35.00	37.00
ISL	3928	0.63	3903	11.91	36.1 (0.09)	29.00	32.00	36.00	37.00	38.00	40.00	41.00
IRL	54850	1.05	54274	18.53	41.5 (0.20)	28.00	36.00	40.00	43.00	45.00	45.00	46.00
ITA	481521	0.18	480637	16.07	29.9 (0.30)	9.00	15.00	27.00	31.00	36.00	40.00	40.00
JPN	1240054	0.10	1238855	14.87	28.3 (0.29)	9.00	15.00	26.00	30.00	33.00	36.00	38.00
KOR	533504	0.08	533080	16.30	36.4 (0.32)	8.00	30.00	35.00	36.00	41.00	46.00	50.00
LUX	4080	0.08	4077	24.60	29.1 (0.09)	13.00	25.00	30.00	30.00	31.00	32.00	34.00
MEX	1071650	22.32	832489	18.83	28.7 (0.40)	7.00	10.00	20.00	31.00	36.00	40.00	45.00
NLD	184943	3.15	179118	23.43	29.5 (0.21)	16.00	22.00	28.00	31.00	33.00	35.00	37.00
NZL	48638	0.69	48300	10.27	25.5 (0.19)	8.00	20.00	25.00	25.00	30.00	30.00	35.00
NOR	52816	0.77	52407	24.23	29.6 (0.20)	20.00	24.00	30.00	30.00	30.00	35.00	36.00
POL	534900	.	534900	7.72	30.6 (0.11)	25.00	27.00	30.00	31.00	32.00	34.00	36.00
PRT	96857	0.88	96008	25.03	27.6 (0.38)	13.00	16.00	24.00	30.00	32.00	34.00	35.00
SVK	77067	0.06	77021	14.28	31.3 (0.15)	24.00	28.00	30.00	32.00	34.00	36.00	37.00
ESP	344372	0.07	344114	10.82	29.3 (0.13)	18.00	27.00	30.00	30.00	32.00	32.00	35.00
SWE	107104	0.25	106838	27.37	26.0 (0.32)	15.00	19.00	23.00	25.00	30.00	35.00	36.00
CHE	86491	0.17	86347	17.47	32.1 (0.43)	16.00	27.00	31.00	33.00	35.00	37.00	39.00
TUR	481279	0.03	481137	19.54	32.9 (0.36)	13.00	23.00	32.00	33.00	37.00	41.00	42.00
GBR	698579	3.65	673087	11.99	28.3 (0.29)	19.00	23.00	25.00	25.00	30.00	40.00	45.00
USA	3147089	0.76	3123066	10.48	22.6 (0.41)	4.00	6.00	8.00	20.00	35.00	40.00	42.00
TOT	.	3.29	.	14.54	27.6 (0.13)	6.00	8.00	21.00	30.00	34.00	40.00	41.00
AVG	.	1.97	.	16.25	30.0 (0.05)	12.00	20.00	28.00	30.00	34.00	38.00	42.00
HKG	72484	0.21	72334	15.02	43.9 (0.36)	12.00	33.00	40.00	48.00	49.00	56.00	56.00
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	0.22	33570	12.80	35.2 (0.33)	26.00	32.00	35.00	35.00	37.00	39.00	41.00
LIE	338	.	338	13.03	36.1 (0.23)	32.00	33.00	35.00	36.00	38.00	40.00	41.00
MAC	6546	.	6546	8.10	39.9 (0.22)	30.00	36.00	39.00	40.00	43.00	45.00	47.00
RUS	2153373	0.02	2152991	6.95	33.1 (0.26)	20.00	28.00	31.00	34.00	36.00	38.00	40.00
YUG	68596	0.51	68244	22.36	31.7 (0.18)	20.00	28.00	30.00	32.00	34.00	35.00	38.00
THA	637076	.	637076	3.95	34.9 (0.26)	28.00	30.00	33.00	35.00	36.00	40.00	40.00
TUN	150875	0.13	150676	27.19	27.7 (0.19)	12.00	22.00	26.00	28.00	30.00	34.00	36.00
URY	33775	0.17	33719	32.05	31.1 (0.33)	12.00	20.00	30.00	30.00	36.00	40.00	44.00

Student Questionnaire – Question 36

Q36 On average, about how many students attend your <Mathematics> class?

students

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	0.60	234173	4.08	22.8 (0.20)	12.00	15.00	20.00	24.00	27.00	30.00	30.00
AUT	85931	1.38	84744	6.62	22.4 (0.29)	10.00	12.00	17.00	23.00	28.00	32.00	34.00
BEL	111831	2.73	108779	6.53	18.8 (0.19)	9.00	11.00	15.00	19.00	23.00	25.00	27.00
CAN	330436	28.64	235785	4.52	24.4 (0.11)	12.00	15.00	20.00	25.00	30.00	30.00	32.00
CZE	121183	4.05	116275	2.46	24.0 (0.22)	16.00	18.00	20.00	25.00	28.00	30.00	30.00
DNK	51741	0.65	51406	7.14	17.7 (0.19)	10.00	12.00	15.00	18.00	20.00	23.00	24.00
FIN	57884	0.07	57845	2.05	18.2 (0.16)	11.00	13.00	16.00	18.00	20.00	23.00	25.00
FRA	734579	0.92	727849	4.23	26.6 (0.20)	15.00	19.00	23.00	27.00	31.00	34.00	35.00
DEU	884358	5.67	834207	2.95	23.9 (0.20)	14.00	16.00	20.00	24.00	28.00	30.00	31.00
GRC	105131	0.16	104961	3.20	23.1 (0.35)	14.00	17.00	20.00	24.00	26.00	28.00	30.00
HUN	107044	0.06	106984	3.10	23.9 (0.51)	13.00	14.00	17.00	23.00	31.00	35.00	37.00
ISL	3928	0.63	3903	1.95	19.1 (0.07)	7.00	10.00	15.00	20.00	24.00	27.00	29.00
IRL	54850	1.05	54274	1.35	22.8 (0.20)	10.00	14.00	20.00	24.00	28.00	30.00	30.00
ITA	481521	0.14	480831	2.70	20.6 (0.17)	12.00	15.00	18.00	20.00	24.00	27.00	28.00
JPN	1240054	0.10	1238855	7.32	36.1 (0.33)	19.00	24.00	35.00	40.00	40.00	41.00	42.00
KOR	533504	0.09	533009	4.16	31.2 (0.22)	15.00	20.00	30.00	34.00	35.00	36.00	37.00
LUX	4080	0.20	4072	9.93	20.7 (0.05)	12.00	15.00	18.00	21.00	24.00	26.00	27.00
MEX	1071650	42.65	614567	0.26	32.3 (0.54)	14.00	18.00	25.00	32.00	40.00	46.00	50.00
NLD	184943	5.93	173984	4.08	22.9 (0.21)	13.00	15.00	20.00	24.00	27.00	30.00	30.00
NZL	48638	0.81	48243	5.40	23.6 (0.15)	12.00	15.00	20.00	25.00	28.00	30.00	30.00
NOR	52816	0.77	52407	7.43	21.6 (0.20)	10.00	14.00	19.00	22.00	25.00	28.00	30.00
POL	534900	.	534900	1.83	23.7 (0.22)	17.00	18.00	20.00	24.00	27.00	29.00	30.00
PRT	96857	0.28	96587	5.66	22.1 (0.18)	13.00	15.00	19.00	23.00	26.00	28.00	28.00
SVK	77067	0.10	76988	1.72	25.9 (0.27)	15.00	18.00	22.00	26.00	30.00	33.00	34.00
ESP	344372	0.10	344044	4.08	21.9 (0.24)	10.00	12.00	17.00	22.00	27.00	30.00	32.00
SWE	107104	0.32	106765	3.07	19.4 (0.20)	8.00	11.00	15.00	20.00	23.00	26.00	30.00
CHE	86491	0.32	86211	4.97	18.0 (0.19)	10.00	12.00	15.00	18.00	21.00	23.00	24.00
TUR	481279	0.99	476537	10.41	28.3 (0.62)	6.00	10.00	20.00	28.00	38.00	45.00	48.00
GBR	698579	3.69	672833	3.64	24.7 (0.19)	12.00	15.00	20.00	25.00	30.00	30.00	31.00
USA	3147089	2.08	3081723	3.45	23.1 (0.20)	11.00	15.00	20.00	24.00	28.00	30.00	33.00
TOT	.	6.06	.	4.09	25.7 (0.08)	12.00	15.00	20.00	25.00	30.00	38.00	40.00
AVG	.	3.51	.	4.40	23.3 (0.05)	11.00	14.00	19.00	23.00	28.00	32.00	36.00
HKG	72484	0.25	72301	5.07	36.9 (0.25)	20.00	30.00	36.00	39.00	41.00	42.00	43.00
IDN	1971476	0.04	1970611	12.41	38.3 (0.28)	20.00	26.00	35.00	40.00	44.00	47.00	49.00
LVA	33643	0.23	33565	5.57	22.2 (0.32)	10.00	13.00	17.00	23.00	28.00	30.00	31.00
LIE	338	.	338	2.10	14.3 (0.14)	8.00	10.00	12.00	14.00	16.00	18.00	22.00
MAC	6546	.	6546	3.79	45.7 (0.26)	29.00	34.00	41.00	46.00	53.00	56.00	58.00
RUS	2153373	0.02	2152991	1.50	23.7 (0.31)	12.00	15.00	20.00	25.00	28.00	30.00	31.00
YUG	68596	0.63	68164	11.08	27.2 (0.23)	18.00	20.00	25.00	28.00	30.00	32.00	33.00
THA	637076	.	637076	3.35	37.9 (0.44)	20.00	24.00	32.00	39.00	45.00	50.00	52.00
TUN	150875	0.11	150706	14.30	32.0 (0.27)	20.00	26.00	30.00	32.00	36.00	38.00	40.00
URY	33775	0.23	33698	23.04	31.1 (0.36)	15.00	20.00	26.00	31.00	37.00	40.00	44.00

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I would like to be the best in my class in Mathematics.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.39	234674	27.99 (0.67)	44.38 (0.54)	23.90 (0.57)	2.16 (0.16)	1.57 (0.21)
AUT	85931	1.08	85003	26.53 (0.81)	31.37 (0.87)	30.94 (0.79)	9.65 (0.45)	1.52 (0.75)
BEL	111831	1.79	109825	16.67 (0.53)	30.04 (0.62)	41.86 (0.73)	7.75 (0.36)	3.68 (0.52)
CAN	330436	9.70	298375	28.37 (0.54)	41.44 (0.54)	25.30 (0.43)	3.09 (0.15)	1.79 (0.16)
CZE	121183	4.06	116258	14.34 (0.65)	36.50 (0.79)	44.30 (0.83)	3.99 (0.33)	0.86 (0.33)
DNK	51741	0.65	51406	15.30 (0.63)	29.00 (0.79)	45.71 (0.74)	7.76 (0.45)	2.23 (0.26)
FIN	57884	0.07	57845	15.52 (0.49)	29.22 (0.65)	45.24 (0.68)	9.02 (0.48)	1.00 (0.14)
FRA	734579	0.87	728167	24.21 (0.95)	34.99 (0.72)	31.82 (0.78)	7.10 (0.43)	1.88 (0.23)
DEU	884358	5.57	835070	27.33 (0.86)	36.10 (0.79)	30.26 (0.92)	4.74 (0.30)	1.56 (0.30)
GRC	105131	0.13	104991	27.69 (0.68)	45.29 (0.87)	22.81 (0.62)	2.44 (0.22)	1.77 (0.38)
HUN	107044	0.06	106984	9.48 (0.44)	25.86 (0.79)	53.89 (0.83)	9.89 (0.46)	0.89 (0.14)
ISL	3928	0.63	3903	45.80 (0.83)	35.24 (0.87)	15.57 (0.70)	2.62 (0.29)	0.77 (.)
IRL	54850	1.03	54285	27.00 (0.88)	45.92 (0.86)	23.87 (0.73)	2.22 (0.29)	1.00 (0.19)
ITA	481521	0.39	479622	22.51 (0.66)	41.65 (0.82)	31.42 (0.78)	3.65 (0.32)	0.77 (0.14)
JPN	1240054	0.10	1238855	13.47 (0.61)	17.76 (0.64)	44.95 (0.82)	23.09 (0.78)	0.74 (0.33)
KOR	533504	0.08	533080	37.40 (0.83)	40.16 (0.64)	18.48 (0.55)	3.77 (0.34)	0.19 (.)
LUX	4080	0.08	4077	31.06 (0.74)	28.48 (0.76)	29.58 (0.73)	8.57 (0.46)	2.31 (0.23)
MEX	1071650	0.37	1067674	38.02 (0.76)	44.43 (0.74)	11.04 (0.50)	1.07 (0.17)	5.45 (0.53)
NLD	184943	3.27	178903	13.70 (0.64)	30.58 (0.87)	46.02 (0.96)	7.10 (0.53)	2.60 (0.44)
NZL	48638	1.92	47702	22.89 (0.70)	44.06 (0.70)	29.75 (0.73)	2.75 (0.28)	0.55 (.)
NOR	52816	0.77	52407	21.38 (0.81)	30.10 (0.62)	35.85 (0.79)	10.06 (0.48)	2.60 (0.43)
POL	534900	.	534900	24.01 (0.79)	46.93 (0.74)	26.18 (0.90)	2.07 (0.25)	0.81 (0.18)
PRT	96857	0.23	96637	28.04 (0.72)	37.42 (0.78)	29.48 (0.73)	3.62 (0.31)	1.43 (0.27)
SVK	77067	0.03	77043	15.13 (0.61)	40.74 (0.76)	40.50 (0.97)	2.49 (0.25)	1.13 (0.51)
ESP	344372	0.07	344114	26.24 (0.79)	38.02 (0.81)	29.67 (0.71)	4.62 (0.32)	1.46 (0.24)
SWE	107104	0.23	106861	36.90 (0.84)	32.66 (0.79)	25.52 (0.86)	3.93 (0.28)	0.99 (0.19)
CHE	86491	0.14	86370	22.40 (0.57)	31.98 (0.67)	34.79 (0.70)	9.14 (0.49)	1.68 (0.24)
TUR	481279	0.03	481137	44.56 (1.33)	38.85 (0.94)	8.70 (0.54)	2.81 (0.34)	5.08 (0.70)
GBR	698579	3.72	672605	23.60 (0.68)	44.87 (0.61)	27.51 (0.80)	2.32 (0.21)	1.70 (0.20)
USA	3147089	0.76	3123066	30.23 (0.68)	46.00 (0.75)	19.38 (0.65)	2.26 (0.23)	2.12 (0.29)
TOT	.	1.35	.	27.25 (0.24)	39.10 (0.25)	26.16 (0.24)	5.45 (0.12)	2.03 (0.10)
AVG	.	1.27	.	25.28 (0.12)	36.65 (0.13)	30.80 (0.15)	5.54 (0.07)	1.74 (0.06)
HKG	72484	0.21	72334	24.19 (0.70)	46.19 (0.83)	25.25 (0.80)	4.17 (0.32)	0.22 (.)
IDN	1971476	0.02	1971153	19.78 (0.80)	56.43 (0.87)	19.27 (0.94)	0.67 (0.11)	3.84 (0.40)
LVA	33643	0.22	33570	19.68 (0.69)	45.86 (0.97)	31.83 (1.00)	2.19 (0.27)	0.45 (.)
LIE	338	.	338	26.20 (2.71)	40.99 (3.09)	26.77 (2.34)	5.14 (.)	0.91 (.)
MAC	6546	.	6546	22.30 (1.43)	44.87 (1.55)	29.60 (1.34)	2.96 (0.53)	0.27 (.)
RUS	2153373	0.02	2152991	14.75 (0.70)	41.81 (0.55)	39.33 (0.79)	2.55 (0.25)	1.55 (0.28)
YUG	68596	0.59	68193	17.93 (0.74)	31.82 (0.87)	38.32 (1.03)	6.56 (0.55)	5.38 (0.83)
THA	637076	.	637076	15.52 (0.60)	52.33 (0.90)	29.05 (0.93)	2.10 (0.21)	1.00 (0.16)
TUN	150875	0.09	150739	53.37 (0.97)	33.60 (0.88)	7.39 (0.45)	2.39 (0.21)	3.26 (0.30)
URY	33775	0.17	33719	23.32 (0.66)	30.64 (0.63)	34.89 (0.83)	6.94 (0.51)	4.22 (0.39)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I would like to be the best in my class in Mathematics.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	540 (3.29)	526 (2.33)	520 (2.92)	496 (7.49)	413 (10.00)
AUT	85931	1.08	85003	483 (5.13)	497 (4.08)	498 (4.23)	497 (6.64)	468 (29.00)
BEL	111831	1.79	109825	506 (4.45)	518 (3.47)	522 (2.92)	504 (6.58)	342 (19.24)
CAN	330436	9.70	298375	539 (2.56)	532 (1.91)	527 (2.31)	501 (6.06)	498 (9.42)
CZE	121183	4.06	116258	492 (4.10)	498 (3.22)	497 (3.35)	494 (8.26)	427 (33.70)
DNK	51741	0.65	51406	496 (5.15)	501 (3.95)	492 (2.59)	485 (5.84)	413 (15.61)
FIN	57884	0.07	57845	546 (3.64)	548 (2.68)	543 (2.06)	532 (4.90)	502 (18.62)
FRA	734579	0.87	728167	491 (4.10)	502 (3.08)	504 (3.43)	488 (6.59)	389 (14.98)
DEU	884358	5.57	835070	487 (4.85)	504 (4.15)	515 (4.40)	509 (8.51)	365 (17.90)
GRC	105131	0.13	104991	474 (5.10)	475 (4.28)	479 (4.52)	448 (13.39)	313 (18.23)
HUN	107044	0.06	106984	479 (6.25)	480 (3.82)	483 (2.52)	489 (6.05)	388 (24.12)
ISL	3928	0.63	3903	491 (2.61)	500 (3.31)	492 (3.99)	464 (11.14)	. (.)
IRL	54850	1.03	54285	520 (4.30)	516 (3.08)	516 (3.70)	485 (9.66)	401 (21.11)
ITA	481521	0.39	479622	459 (5.25)	472 (3.33)	494 (2.92)	482 (11.31)	390 (26.69)
JPN	1240054	0.10	1238855	499 (6.65)	515 (5.40)	507 (3.94)	474 (5.82)	334 (43.82)
KOR	533504	0.08	533080	557 (3.44)	534 (3.13)	504 (3.67)	468 (7.98)	. (.)
LUX	4080	0.08	4077	473 (3.26)	484 (2.55)	489 (3.10)	485 (5.50)	356 (13.86)
MEX	1071650	0.37	1067674	409 (4.35)	402 (4.27)	409 (5.37)	380 (16.34)	303 (8.18)
NLD	184943	3.27	178903	505 (4.68)	521 (3.96)	522 (3.12)	507 (6.63)	491 (9.29)
NZL	48638	1.92	47702	525 (4.47)	524 (3.07)	525 (3.35)	500 (10.62)	. (.)
NOR	52816	0.77	52407	508 (4.57)	510 (3.60)	502 (3.18)	470 (6.26)	420 (17.99)
POL	534900	.	534900	501 (4.31)	490 (3.37)	510 (3.70)	490 (11.63)	360 (24.24)
PRT	96857	0.23	96637	476 (4.07)	475 (4.40)	485 (4.68)	473 (9.38)	452 (15.86)
SVK	77067	0.03	77043	468 (5.68)	468 (3.28)	475 (3.64)	459 (9.19)	384 (29.27)
ESP	344372	0.07	344114	479 (3.55)	486 (3.25)	486 (3.21)	442 (6.72)	370 (16.06)
SWE	107104	0.23	106861	510 (4.11)	523 (3.08)	517 (3.04)	498 (7.06)	409 (30.49)
CHE	86491	0.14	86370	485 (3.90)	497 (3.93)	512 (3.30)	503 (9.38)	437 (14.68)
TUR	481279	0.03	481137	453 (6.07)	438 (6.01)	444 (10.15)	406 (12.64)	379 (9.24)
GBR	698579	3.72	672605	508 (3.77)	508 (3.47)	511 (3.29)	480 (11.42)	403 (11.88)
USA	3147089	0.76	3123066	502 (4.50)	497 (3.32)	498 (3.76)	465 (13.35)	383 (13.56)
TOT	.	1.35	.	488 (1.75)	489 (1.39)	500 (1.17)	476 (3.13)	367 (5.47)
AVG	.	1.27	.	494 (0.95)	497 (0.80)	503 (0.66)	485 (1.49)	390 (4.50)
HKG	72484	0.21	72334	522 (3.83)	513 (3.69)	500 (4.38)	470 (8.36)	. (.)
IDN	1971476	0.02	1971153	378 (5.22)	383 (3.18)	395 (4.85)	408 (23.03)	318 (9.18)
LVA	33643	0.22	33570	497 (4.84)	491 (3.83)	488 (4.92)	481 (14.49)	. (.)
LIE	338	.	338	519 (10.71)	524 (7.45)	529 (9.81)	. (.)	. (.)
MAC	6546	.	6546	510 (4.78)	497 (4.12)	491 (4.37)	484 (13.83)	. (.)
RUS	2153373	0.02	2152991	456 (5.81)	443 (4.72)	440 (4.29)	449 (8.56)	336 (12.07)
YUG	68596	0.59	68193	398 (4.12)	412 (3.76)	424 (4.14)	431 (6.69)	354 (12.94)
THA	637076	.	637076	427 (4.16)	416 (3.21)	424 (4.00)	424 (11.45)	376 (14.43)
TUN	150875	0.09	150739	378 (3.71)	376 (3.11)	384 (6.09)	388 (10.03)	275 (9.36)
URY	33775	0.17	33719	427 (6.05)	442 (5.12)	447 (3.49)	429 (8.30)	326 (10.70)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I would like to be the best in my class in Mathematics.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	546 (3.26)	525 (2.28)	510 (2.39)	481 (6.88)	418 (11.70)
AUT	85931	1.08	85003	505 (4.06)	513 (3.58)	506 (3.96)	504 (6.49)	473 (16.97)
BEL	111831	1.79	109825	533 (4.58)	544 (3.17)	541 (2.59)	518 (5.57)	377 (16.70)
CAN	330436	9.70	298375	552 (2.48)	536 (1.89)	525 (2.04)	496 (5.48)	502 (8.94)
CZE	121183	4.06	116258	530 (4.04)	529 (3.84)	517 (3.63)	511 (8.83)	457 (33.51)
DNK	51741	0.65	51406	542 (5.50)	533 (3.84)	502 (2.44)	481 (5.86)	449 (15.36)
FIN	57884	0.07	57845	566 (4.54)	556 (2.78)	537 (2.10)	514 (4.13)	505 (14.79)
FRA	734579	0.87	728167	516 (4.09)	518 (2.75)	512 (3.49)	493 (5.70)	415 (12.80)
DEU	884358	5.57	835070	507 (4.70)	514 (4.15)	518 (4.22)	511 (8.11)	402 (15.04)
GRC	105131	0.13	104991	455 (4.65)	444 (4.51)	444 (4.28)	426 (9.83)	356 (14.68)
HUN	107044	0.06	106984	500 (6.56)	495 (4.32)	488 (2.71)	484 (5.74)	417 (20.59)
ISL	3928	0.63	3903	517 (2.20)	520 (2.84)	509 (3.82)	486 (10.92)	. (.)
IRL	54850	1.03	54285	513 (3.92)	504 (2.72)	496 (3.46)	465 (8.97)	401 (14.83)
ITA	481521	0.39	479622	459 (4.58)	461 (3.61)	479 (3.13)	467 (12.21)	401 (24.92)
JPN	1240054	0.10	1238855	552 (6.71)	559 (5.75)	540 (3.92)	498 (5.17)	423 (28.02)
KOR	533504	0.08	533080	573 (3.73)	539 (3.35)	503 (3.52)	468 (7.12)	. (.)
LUX	4080	0.08	4077	491 (2.54)	497 (2.61)	496 (2.47)	495 (4.83)	430 (10.24)
MEX	1071650	0.37	1067674	394 (3.88)	387 (3.97)	392 (4.46)	368 (10.63)	303 (9.34)
NLD	184943	3.27	178903	539 (5.38)	551 (4.02)	546 (3.19)	518 (7.11)	478 (8.08)
NZL	48638	1.92	47702	538 (4.38)	526 (2.93)	521 (2.68)	482 (8.57)	. (.)
NOR	52816	0.77	52407	514 (3.88)	510 (3.25)	489 (2.92)	456 (5.41)	418 (12.97)
POL	534900	.	534900	501 (3.83)	484 (3.00)	495 (3.36)	471 (11.33)	391 (18.46)
PRT	96857	0.23	96637	473 (3.79)	463 (3.96)	466 (4.49)	454 (9.92)	440 (12.39)
SVK	77067	0.03	77043	497 (6.59)	501 (3.61)	498 (3.62)	490 (9.34)	432 (28.45)
ESP	344372	0.07	344114	490 (3.49)	488 (3.16)	487 (2.60)	449 (6.66)	396 (13.71)
SWE	107104	0.23	106861	513 (4.49)	517 (3.47)	503 (3.00)	484 (6.89)	398 (23.65)
CHE	86491	0.14	86370	518 (4.17)	527 (3.52)	533 (3.56)	529 (8.45)	487 (15.21)
TUR	481279	0.03	481137	437 (7.13)	419 (7.09)	429 (10.93)	387 (10.16)	348 (9.64)
GBR	698579	3.72	672605	520 (3.71)	510 (3.32)	502 (3.44)	475 (10.25)	410 (11.13)
USA	3147089	0.76	3123066	492 (4.30)	484 (3.20)	480 (3.36)	460 (11.10)	402 (13.03)
TOT	.	1.35	.	491 (1.77)	487 (1.28)	502 (1.13)	485 (2.91)	380 (5.36)
AVG	.	1.27	.	504 (1.08)	501 (0.76)	505 (0.64)	488 (1.44)	405 (3.59)
HKG	72484	0.21	72334	575 (5.10)	554 (4.45)	533 (5.27)	491 (9.07)	. (.)
IDN	1971476	0.02	1971153	359 (5.48)	361 (3.63)	370 (5.60)	368 (18.86)	297 (8.03)
LVA	33643	0.22	33570	494 (5.29)	485 (4.05)	477 (4.36)	467 (13.37)	. (.)
LIE	338	.	338	532 (9.91)	537 (8.32)	537 (11.01)	. (.)	. (.)
MAC	6546	.	6546	540 (7.12)	526 (4.39)	522 (5.39)	507 (16.10)	. (.)
RUS	2153373	0.02	2152991	490 (5.60)	470 (4.83)	462 (4.31)	469 (9.01)	376 (9.40)
YUG	68596	0.59	68193	426 (4.74)	440 (4.09)	447 (4.33)	448 (6.36)	374 (11.29)
THA	637076	.	637076	423 (4.19)	415 (3.41)	418 (3.66)	418 (10.48)	380 (13.93)
TUN	150875	0.09	150739	369 (3.23)	351 (2.83)	354 (4.44)	342 (7.74)	297 (7.08)
URY	33775	0.17	33719	419 (4.64)	431 (3.77)	430 (3.58)	417 (8.63)	319 (7.77)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I would like to be the best in my class in Mathematics.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	544 (3.27)	526 (2.33)	513 (2.61)	489 (8.48)	426 (8.83)
AUT	85931	1.08	85003	487 (4.13)	498 (3.94)	494 (4.25)	493 (6.68)	461 (21.17)
BEL	111831	1.79	109825	510 (4.43)	521 (3.19)	521 (2.89)	503 (6.48)	354 (15.71)
CAN	330436	9.70	298375	535 (2.52)	523 (2.30)	515 (2.57)	493 (7.01)	482 (10.33)
CZE	121183	4.06	116258	531 (4.30)	533 (3.57)	525 (3.84)	523 (8.25)	453 (39.10)
DNK	51741	0.65	51406	493 (6.16)	492 (4.34)	467 (2.71)	456 (6.93)	385 (17.27)
FIN	57884	0.07	57845	564 (5.10)	558 (2.96)	542 (2.44)	526 (5.34)	519 (16.66)
FRA	734579	0.87	728167	515 (4.75)	520 (3.85)	511 (3.93)	492 (7.53)	417 (17.50)
DEU	884358	5.57	835070	505 (5.04)	514 (4.47)	518 (4.73)	519 (8.46)	386 (16.70)
GRC	105131	0.13	104991	485 (4.83)	481 (4.11)	486 (4.95)	466 (13.01)	383 (15.60)
HUN	107044	0.06	106984	510 (6.70)	505 (4.38)	502 (2.62)	509 (6.40)	420 (20.68)
ISL	3928	0.63	3903	497 (2.47)	500 (2.95)	488 (4.20)	472 (13.35)	. (.)
IRL	54850	1.03	54285	515 (4.24)	505 (3.26)	500 (3.85)	473 (11.09)	421 (15.35)
ITA	481521	0.39	479622	477 (5.06)	483 (3.70)	500 (3.24)	490 (12.61)	390 (24.13)
JPN	1240054	0.10	1238855	555 (7.29)	570 (6.31)	554 (4.11)	520 (5.61)	406 (32.77)
KOR	533504	0.08	533080	569 (4.18)	536 (3.65)	499 (4.12)	466 (8.99)	. (.)
LUX	4080	0.08	4077	478 (3.06)	488 (3.01)	488 (3.05)	490 (6.56)	386 (13.49)
MEX	1071650	0.37	1067674	413 (3.75)	406 (3.64)	408 (5.02)	383 (12.12)	333 (8.49)
NLD	184943	3.27	178903	522 (5.71)	537 (4.54)	531 (3.53)	506 (8.11)	465 (10.54)
NZL	48638	1.92	47702	531 (4.70)	523 (3.11)	520 (3.22)	493 (9.10)	. (.)
NOR	52816	0.77	52407	499 (4.63)	497 (3.98)	482 (3.43)	451 (5.81)	388 (15.08)
POL	534900	.	534900	508 (4.44)	489 (3.55)	507 (3.92)	492 (12.59)	418 (18.73)
PRT	96857	0.23	96637	472 (4.04)	466 (4.09)	470 (4.68)	464 (9.57)	415 (14.11)
SVK	77067	0.03	77043	492 (8.07)	495 (4.23)	500 (3.56)	488 (9.70)	399 (26.61)
ESP	344372	0.07	344114	490 (3.79)	491 (3.60)	490 (2.84)	454 (6.86)	370 (18.75)
SWE	107104	0.23	106861	509 (4.87)	515 (4.03)	500 (3.77)	479 (9.44)	395 (27.82)
CHE	86491	0.14	86370	504 (4.26)	511 (4.34)	522 (3.61)	514 (10.77)	483 (17.01)
TUR	481279	0.03	481137	445 (6.45)	430 (6.21)	438 (9.24)	403 (11.10)	381 (7.23)
GBR	698579	3.72	672605	527 (4.17)	522 (3.57)	516 (3.84)	486 (11.44)	393 (11.68)
USA	3147089	0.76	3123066	499 (4.37)	491 (3.31)	493 (3.85)	486 (12.18)	385 (14.90)
TOT	.	1.35	.	496 (1.64)	494 (1.27)	509 (1.30)	500 (3.07)	382 (4.83)
AVG	.	1.27	.	501 (0.97)	502 (0.78)	506 (0.68)	492 (1.57)	399 (3.58)
HKG	72484	0.21	72334	557 (4.83)	542 (4.20)	526 (4.98)	497 (8.69)	. (.)
IDN	1971476	0.02	1971153	397 (4.42)	395 (3.05)	401 (4.51)	414 (16.93)	351 (8.16)
LVA	33643	0.22	33570	500 (5.36)	491 (3.94)	483 (4.87)	468 (16.57)	. (.)
LIE	338	.	338	524 (10.87)	522 (8.15)	529 (11.28)	. (.)	. (.)
MAC	6546	.	6546	538 (7.59)	526 (5.25)	518 (6.24)	487 (21.87)	. (.)
RUS	2153373	0.02	2152991	508 (6.31)	491 (4.98)	485 (4.35)	490 (8.04)	378 (12.43)
YUG	68596	0.59	68193	426 (4.43)	435 (3.81)	445 (4.32)	454 (7.05)	400 (13.27)
THA	637076	.	637076	433 (4.20)	427 (3.04)	431 (3.68)	438 (12.40)	401 (14.35)
TUN	150875	0.09	150739	394 (3.22)	380 (2.71)	382 (5.30)	379 (9.94)	285 (10.35)
URY	33775	0.17	33719	436 (4.98)	448 (3.63)	445 (3.53)	431 (8.65)	337 (7.97)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I would like to be the best in my class in Mathematics.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	547 (2.95)	530 (2.11)	520 (2.40)	494 (6.52)	431 (11.20)
AUT	85931	1.08	85003	502 (3.94)	512 (3.55)	509 (3.78)	512 (6.35)	466 (18.73)
BEL	111831	1.79	109825	527 (4.27)	538 (3.13)	536 (2.51)	513 (5.87)	392 (10.87)
CAN	330436	9.70	298375	547 (2.41)	534 (1.93)	525 (2.36)	494 (6.10)	503 (8.70)
CZE	121183	4.06	116258	528 (4.11)	528 (3.63)	518 (3.50)	510 (7.58)	458 (38.47)
DNK	51741	0.65	51406	537 (4.71)	534 (3.71)	508 (2.28)	490 (5.89)	437 (16.11)
FIN	57884	0.07	57845	564 (4.36)	557 (2.75)	542 (2.30)	520 (4.48)	544 (15.30)
FRA	734579	0.87	728167	521 (4.38)	526 (2.95)	523 (3.62)	501 (6.10)	424 (14.05)
DEU	884358	5.57	835070	511 (4.44)	522 (4.11)	527 (3.91)	523 (7.42)	412 (16.25)
GRC	105131	0.13	104991	453 (4.80)	450 (4.38)	451 (4.46)	426 (12.31)	349 (15.52)
HUN	107044	0.06	106984	509 (6.44)	504 (4.34)	500 (2.87)	495 (6.19)	439 (18.55)
ISL	3928	0.63	3903	507 (2.15)	509 (2.77)	501 (3.46)	483 (10.35)	. (.)
IRL	54850	1.03	54285	505 (3.66)	500 (2.71)	494 (3.30)	462 (7.75)	392 (16.02)
ITA	481521	0.39	479622	460 (5.09)	464 (3.66)	485 (2.92)	477 (12.85)	374 (26.02)
JPN	1240054	0.10	1238855	562 (6.62)	571 (5.32)	553 (4.21)	514 (5.74)	403 (51.82)
KOR	533504	0.08	533080	575 (3.46)	549 (3.30)	518 (3.54)	487 (7.69)	. (.)
LUX	4080	0.08	4077	490 (2.87)	498 (2.73)	498 (2.48)	494 (4.77)	424 (11.11)
MEX	1071650	0.37	1067674	392 (4.52)	386 (4.69)	397 (6.17)	374 (13.14)	294 (8.79)
NLD	184943	3.27	178903	515 (5.58)	530 (4.19)	528 (3.47)	502 (8.33)	455 (10.79)
NZL	48638	1.92	47702	542 (4.04)	535 (2.83)	533 (3.14)	497 (8.70)	. (.)
NOR	52816	0.77	52407	506 (4.87)	501 (3.77)	486 (3.15)	452 (6.11)	441 (14.74)
POL	534900	.	534900	497 (4.17)	480 (3.13)	493 (3.58)	473 (11.29)	372 (33.36)
PRT	96857	0.23	96637	473 (4.25)	468 (4.31)	473 (5.00)	458 (10.22)	423 (15.18)
SVK	77067	0.03	77043	490 (6.80)	493 (3.77)	493 (3.57)	482 (9.62)	441 (30.72)
ESP	344372	0.07	344114	483 (3.79)	485 (3.43)	487 (3.07)	447 (6.90)	402 (13.85)
SWE	107104	0.23	106861	510 (3.97)	516 (3.21)	505 (3.10)	485 (6.75)	425 (23.91)
CHE	86491	0.14	86370	513 (3.88)	520 (3.55)	530 (3.03)	525 (7.22)	449 (15.30)
TUR	481279	0.03	481137	420 (6.39)	403 (6.42)	412 (9.84)	377 (10.83)	341 (9.92)
GBR	698579	3.72	672605	516 (3.72)	512 (3.25)	509 (3.35)	479 (10.53)	425 (11.21)
USA	3147089	0.76	3123066	485 (4.47)	478 (3.38)	476 (3.43)	455 (11.68)	389 (12.85)
TOT	.	1.35	.	488 (1.82)	487 (1.36)	506 (1.17)	494 (3.17)	374 (5.54)
AVG	.	1.27	.	500 (1.05)	501 (0.77)	508 (0.66)	493 (1.57)	404 (3.62)
HKG	72484	0.21	72334	568 (4.61)	550 (4.31)	534 (4.89)	499 (8.63)	. (.)
IDN	1971476	0.02	1971153	358 (4.50)	362 (2.98)	373 (5.06)	386 (22.03)	302 (6.12)
LVA	33643	0.22	33570	492 (5.28)	483 (4.44)	478 (4.72)	475 (11.89)	. (.)
LIE	338	.	338	522 (9.57)	532 (8.47)	529 (10.72)	. (.)	. (.)
MAC	6546	.	6546	534 (6.28)	533 (4.22)	531 (5.25)	523 (15.91)	. (.)
RUS	2153373	0.02	2152991	497 (6.01)	480 (5.37)	475 (4.62)	475 (10.93)	368 (11.91)
YUG	68596	0.59	68193	408 (4.19)	423 (3.84)	432 (3.92)	431 (6.01)	352 (12.17)
THA	637076	.	637076	435 (3.73)	423 (3.29)	424 (3.55)	430 (11.07)	396 (18.37)
TUN	150875	0.09	150739	351 (2.92)	341 (2.39)	340 (4.99)	335 (9.48)	298 (6.59)
URY	33775	0.17	33719	403 (5.75)	420 (4.70)	422 (3.72)	409 (7.97)	298 (7.93)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I enjoy working with other students in groups.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.39	234674	16.67 (0.49)	46.53 (0.58)	31.84 (0.54)	3.25 (0.23)	1.71 (0.16)
AUT	85931	1.08	85003	23.65 (0.78)	38.56 (0.83)	25.88 (0.72)	10.48 (0.51)	1.43 (0.75)
BEL	111831	1.79	109825	13.62 (0.45)	56.36 (0.63)	21.33 (0.51)	5.04 (0.28)	3.65 (0.51)
CAN	330436	9.70	298375	23.11 (0.41)	52.86 (0.52)	17.69 (0.45)	4.47 (0.21)	1.88 (0.15)
CZE	121183	4.06	116258	8.37 (0.42)	59.85 (0.75)	27.67 (0.63)	3.11 (0.27)	0.99 (0.35)
DNK	51741	0.65	51406	19.70 (0.79)	57.86 (0.83)	16.42 (0.71)	3.96 (0.35)	2.06 (0.29)
FIN	57884	0.07	57845	11.09 (0.44)	59.34 (0.78)	24.00 (0.67)	4.52 (0.31)	1.05 (0.15)
FRA	734579	0.87	728167	20.44 (0.65)	56.42 (0.72)	16.12 (0.77)	5.21 (0.39)	1.82 (0.25)
DEU	884358	5.57	835070	25.36 (0.62)	41.96 (0.81)	22.85 (0.64)	8.03 (0.45)	1.80 (0.32)
GRC	105131	0.13	104991	12.64 (0.57)	52.96 (0.91)	27.76 (0.77)	4.67 (0.37)	1.97 (0.42)
HUN	107044	0.06	106984	8.07 (0.38)	56.32 (0.73)	29.50 (0.71)	4.87 (0.35)	1.23 (0.18)
ISL	3928	0.63	3903	12.76 (0.59)	43.57 (0.82)	32.24 (0.68)	10.32 (0.54)	1.10 (0.17)
IRL	54850	1.03	54285	10.01 (0.51)	56.54 (0.84)	27.77 (0.76)	4.18 (0.33)	1.50 (0.22)
ITA	481521	0.39	479622	15.34 (0.51)	56.58 (0.64)	22.87 (0.57)	4.55 (0.31)	0.66 (0.12)
JPN	1240054	0.10	1238855	5.49 (0.36)	25.99 (0.71)	49.47 (0.82)	17.79 (0.68)	1.26 (0.36)
KOR	533504	0.08	533080	4.45 (0.32)	24.57 (0.67)	57.62 (0.66)	13.07 (0.59)	0.29 (.)
LUX	4080	0.08	4077	21.55 (0.73)	42.85 (0.93)	23.09 (0.62)	10.01 (0.42)	2.50 (0.24)
MEX	1071650	0.37	1067674	15.08 (0.50)	48.23 (0.77)	26.44 (0.71)	3.49 (0.28)	6.76 (0.56)
NLD	184943	3.28	178872	10.00 (0.64)	60.70 (1.10)	22.60 (0.82)	3.93 (0.48)	2.78 (0.46)
NZL	48638	1.99	47670	18.47 (0.61)	63.09 (0.74)	15.35 (0.62)	2.83 (0.26)	0.26 (.)
NOR	52816	0.77	52407	16.43 (0.69)	51.33 (0.87)	22.29 (0.80)	7.33 (0.43)	2.63 (0.43)
POL	534900	.	534900	14.62 (0.58)	62.99 (0.79)	18.64 (0.55)	2.88 (0.27)	0.88 (0.19)
PRT	96857	0.23	96637	14.80 (0.61)	59.95 (0.89)	19.24 (0.72)	4.45 (0.44)	1.56 (0.26)
SVK	77067	0.03	77043	10.72 (0.40)	66.81 (0.74)	19.21 (0.58)	2.02 (0.20)	1.24 (0.52)
ESP	344372	0.07	344114	14.80 (0.52)	56.21 (0.74)	22.41 (0.67)	5.09 (0.29)	1.49 (0.22)
SWE	107104	0.23	106861	12.55 (0.48)	50.38 (0.84)	27.60 (0.75)	7.97 (0.46)	1.50 (0.21)
CHE	86491	0.14	86370	30.93 (0.73)	43.93 (0.82)	17.86 (0.61)	5.63 (0.36)	1.65 (0.23)
TUR	481279	0.03	481137	21.60 (0.86)	46.36 (0.84)	19.90 (0.66)	5.75 (0.46)	6.39 (0.94)
GBR	698579	3.72	672605	15.65 (0.56)	65.44 (0.76)	14.61 (0.60)	2.56 (0.23)	1.74 (0.20)
USA	3147089	0.76	3123066	23.23 (0.56)	52.52 (0.72)	17.24 (0.60)	4.84 (0.36)	2.16 (0.31)
TOT	.	1.36	.	17.18 (0.19)	49.08 (0.23)	24.96 (0.21)	6.47 (0.14)	2.31 (0.10)
AVG	.	1.28	.	15.68 (0.11)	51.87 (0.15)	24.63 (0.12)	5.89 (0.06)	1.93 (0.06)
HKG	72484	0.21	72334	12.28 (0.55)	58.64 (0.80)	24.26 (0.80)	4.53 (0.37)	0.29 (.)
IDN	1971476	0.02	1971153	12.09 (0.49)	69.39 (0.91)	13.68 (0.70)	0.60 (0.12)	4.24 (0.51)
LVA	33643	0.22	33570	9.72 (0.67)	60.96 (1.05)	25.94 (0.93)	2.78 (0.34)	0.60 (0.13)
LIE	338	.	338	33.85 (2.47)	41.82 (2.72)	20.41 (2.12)	3.02 (.)	0.91 (.)
MAC	6546	.	6546	15.40 (1.15)	54.93 (1.46)	26.67 (1.22)	2.73 (0.65)	0.26 (.)
RUS	2153373	0.02	2152991	9.85 (0.50)	61.56 (0.89)	24.39 (0.83)	2.44 (0.24)	1.76 (0.26)
YUG	68596	0.60	68187	17.25 (0.68)	55.49 (0.99)	17.44 (0.69)	3.81 (0.50)	6.01 (0.86)
THA	637076	.	637076	11.91 (0.58)	71.66 (0.65)	14.75 (0.51)	0.67 (0.12)	1.01 (0.17)
TUN	150875	0.09	150739	36.72 (0.87)	39.27 (0.89)	15.65 (0.56)	4.40 (0.32)	3.97 (0.32)
URY	33775	0.17	33719	25.55 (0.77)	53.90 (0.84)	12.44 (0.51)	3.47 (0.26)	4.65 (0.45)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I enjoy working with other students in groups.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	528 (3.37)	523 (2.29)	535 (2.57)	523 (6.92)	417 (10.28)
AUT	85931	1.08	85003	480 (4.53)	491 (3.75)	508 (4.72)	499 (6.72)	461 (33.85)
BEL	111831	1.79	109825	498 (4.56)	519 (2.62)	526 (3.66)	495 (7.43)	348 (19.82)
CAN	330436	9.70	298375	528 (2.42)	529 (1.68)	545 (2.66)	538 (5.30)	493 (7.98)
CZE	121183	4.06	116258	481 (4.85)	495 (2.85)	505 (3.95)	497 (9.48)	414 (32.91)
DNK	51741	0.65	51406	489 (4.20)	495 (2.85)	501 (4.54)	486 (11.20)	412 (15.55)
FIN	57884	0.07	57845	539 (4.53)	541 (1.75)	553 (2.84)	544 (7.14)	499 (18.32)
FRA	734579	0.87	728167	487 (4.08)	504 (3.10)	506 (5.02)	479 (8.71)	389 (14.60)
DEU	884358	5.57	835070	493 (4.89)	508 (3.82)	511 (4.45)	493 (7.39)	360 (15.09)
GRC	105131	0.13	104991	468 (6.10)	476 (4.27)	482 (4.19)	457 (8.86)	312 (19.29)
HUN	107044	0.06	106984	490 (5.59)	486 (2.82)	477 (3.26)	470 (7.17)	390 (21.57)
ISL	3928	0.63	3903	476 (4.88)	494 (2.66)	501 (3.11)	492 (5.57)	374 (24.69)
IRL	54850	1.03	54285	510 (5.04)	515 (3.03)	525 (3.21)	504 (7.95)	410 (17.68)
ITA	481521	0.39	479622	461 (5.54)	477 (3.05)	486 (4.01)	482 (7.46)	364 (22.87)
JPN	1240054	0.10	1238855	478 (7.78)	509 (4.96)	508 (4.00)	468 (5.99)	397 (27.94)
KOR	533504	0.08	533080	566 (7.09)	553 (3.58)	530 (3.12)	512 (4.94)	. (.)
LUX	4080	0.08	4077	466 (3.81)	481 (2.34)	498 (3.48)	486 (4.69)	365 (12.39)
MEX	1071650	0.37	1067674	390 (5.81)	405 (3.62)	417 (4.69)	424 (12.10)	302 (8.19)
NLD	184943	3.28	178872	501 (5.51)	519 (3.01)	528 (4.37)	500 (9.49)	488 (10.18)
NZL	48638	1.99	47670	521 (4.54)	524 (2.69)	531 (4.56)	505 (11.66)	. (.)
NOR	52816	0.77	52407	496 (5.43)	507 (2.87)	512 (4.25)	462 (7.74)	415 (16.37)
POL	534900	.	534900	493 (5.05)	496 (2.89)	505 (5.03)	521 (10.39)	361 (21.97)
PRT	96857	0.23	96637	467 (5.11)	477 (3.85)	492 (5.16)	482 (8.44)	442 (18.62)
SVK	77067	0.03	77043	455 (5.50)	472 (2.96)	475 (4.34)	457 (11.21)	367 (34.52)
ESP	344372	0.07	344114	474 (4.13)	487 (2.82)	484 (3.74)	446 (7.84)	363 (15.94)
SWE	107104	0.23	106861	508 (5.98)	515 (2.62)	523 (2.76)	513 (6.15)	415 (21.77)
CHE	86491	0.14	86370	494 (4.04)	503 (3.71)	510 (3.96)	486 (12.61)	432 (16.96)
TUR	481279	0.03	481137	442 (6.02)	444 (5.97)	459 (7.53)	441 (11.51)	363 (8.06)
GBR	698579	3.72	672605	503 (4.36)	508 (2.64)	514 (5.47)	502 (11.34)	413 (11.37)
USA	3147089	0.76	3123066	493 (4.29)	496 (3.10)	508 (4.34)	514 (8.56)	374 (12.95)
TOT	.	1.36	.	483 (1.86)	491 (1.22)	500 (1.50)	486 (2.86)	363 (5.32)
AVG	.	1.28	.	487 (0.94)	498 (0.70)	506 (0.82)	488 (1.44)	385 (3.90)
HKG	72484	0.21	72334	518 (4.53)	517 (3.52)	500 (4.65)	463 (9.31)	. (.)
IDN	1971476	0.02	1971153	367 (4.61)	385 (3.26)	400 (5.75)	394 (14.65)	310 (9.35)
LVA	33643	0.22	33570	489 (5.84)	489 (3.59)	496 (4.96)	495 (12.11)	404 (22.16)
LIE	338	.	338	509 (8.74)	534 (7.71)	538 (9.62)	. (.)	. (.)
MAC	6546	.	6546	505 (7.25)	496 (3.27)	499 (4.63)	476 (17.79)	. (.)
RUS	2153373	0.02	2152991	449 (5.07)	443 (3.98)	444 (5.08)	458 (13.03)	343 (11.97)
YUG	68596	0.60	68187	405 (5.13)	417 (3.45)	425 (4.78)	429 (9.53)	344 (12.61)
THA	637076	.	637076	430 (4.90)	421 (2.83)	411 (4.76)	422 (15.67)	373 (14.87)
TUN	150875	0.09	150739	374 (3.92)	376 (3.24)	391 (4.72)	395 (8.86)	284 (7.77)
URY	33775	0.17	33719	427 (6.27)	439 (3.60)	464 (8.27)	449 (11.39)	322 (9.58)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I enjoy working with other students in groups.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	536 (3.65)	525 (2.26)	525 (2.63)	509 (5.82)	431 (9.79)
AUT	85931	1.08	85003	486 (4.42)	505 (3.16)	527 (4.02)	520 (5.57)	462 (16.54)
BEL	111831	1.79	109825	517 (4.03)	542 (2.41)	549 (3.46)	517 (6.30)	383 (17.21)
CAN	330436	9.70	298375	533 (1.91)	532 (1.88)	551 (2.73)	547 (5.20)	503 (7.82)
CZE	121183	4.06	116258	513 (5.25)	520 (3.34)	533 (4.05)	533 (10.20)	445 (33.70)
DNK	51741	0.65	51406	507 (4.60)	515 (2.76)	531 (4.12)	516 (9.11)	450 (12.95)
FIN	57884	0.07	57845	546 (4.52)	541 (1.97)	556 (3.01)	534 (7.62)	498 (14.23)
FRA	734579	0.87	728167	501 (4.14)	518 (2.74)	520 (4.56)	499 (7.49)	419 (13.19)
DEU	884358	5.57	835070	500 (4.52)	516 (3.89)	523 (4.19)	508 (6.07)	404 (14.33)
GRC	105131	0.13	104991	448 (5.94)	447 (4.10)	449 (4.37)	431 (7.66)	353 (13.92)
HUN	107044	0.06	106984	502 (6.11)	495 (3.19)	485 (3.42)	470 (7.18)	410 (19.37)
ISL	3928	0.63	3903	512 (4.88)	517 (2.27)	519 (2.67)	508 (5.41)	433 (18.27)
IRL	54850	1.03	54285	496 (5.07)	501 (2.64)	515 (3.55)	485 (7.67)	418 (14.93)
ITA	481521	0.39	479622	450 (5.03)	464 (3.24)	479 (4.13)	479 (7.07)	379 (18.34)
JPN	1240054	0.10	1238855	522 (7.39)	544 (5.23)	545 (3.98)	498 (5.85)	467 (25.09)
KOR	533504	0.08	533080	599 (8.51)	568 (3.87)	536 (3.20)	507 (4.23)	. (.)
LUX	4080	0.08	4077	477 (3.13)	492 (1.96)	511 (2.83)	505 (4.18)	435 (9.67)
MEX	1071650	0.37	1067674	379 (5.18)	391 (3.44)	397 (4.24)	397 (8.50)	306 (7.42)
NLD	184943	3.28	178872	526 (6.19)	545 (2.99)	557 (4.64)	519 (11.29)	477 (8.74)
NZL	48638	1.99	47670	520 (4.57)	526 (2.32)	534 (4.11)	511 (11.16)	. (.)
NOR	52816	0.77	52407	489 (4.46)	500 (2.65)	509 (3.65)	466 (6.68)	415 (11.29)
POL	534900	.	534900	491 (4.58)	488 (2.53)	500 (4.19)	509 (8.44)	368 (16.35)
PRT	96857	0.23	96637	458 (4.85)	464 (3.36)	481 (4.87)	477 (11.40)	432 (14.04)
SVK	77067	0.03	77043	475 (5.30)	499 (3.09)	511 (4.97)	505 (13.84)	418 (32.39)
ESP	344372	0.07	344114	481 (4.46)	489 (2.44)	490 (3.32)	459 (6.00)	389 (13.49)
SWE	107104	0.23	106861	508 (5.79)	509 (2.53)	516 (2.98)	507 (6.68)	425 (19.13)
CHE	86491	0.14	86370	515 (4.43)	531 (3.73)	541 (3.99)	525 (10.38)	481 (15.12)
TUR	481279	0.03	481137	423 (6.04)	427 (7.04)	442 (8.35)	429 (12.12)	337 (7.70)
GBR	698579	3.72	672605	512 (3.97)	508 (2.65)	515 (5.23)	499 (10.87)	417 (11.58)
USA	3147089	0.76	3123066	481 (4.14)	482 (2.86)	494 (4.29)	501 (8.49)	396 (11.70)
TOT	.	1.36	.	482 (1.92)	489 (1.13)	505 (1.33)	493 (2.74)	377 (5.07)
AVG	.	1.28	.	493 (1.01)	502 (0.67)	512 (0.80)	497 (1.38)	402 (3.45)
HKG	72484	0.21	72334	566 (5.75)	559 (4.13)	536 (5.42)	488 (11.27)	. (.)
IDN	1971476	0.02	1971153	345 (4.41)	363 (3.86)	380 (6.42)	341 (18.98)	291 (7.83)
LVA	33643	0.22	33570	480 (6.60)	481 (3.43)	491 (5.35)	501 (10.75)	414 (20.49)
LIE	338	.	338	513 (8.84)	540 (7.54)	561 (11.88)	. (.)	. (.)
MAC	6546	.	6546	533 (8.97)	527 (4.04)	527 (5.17)	507 (23.52)	. (.)
RUS	2153373	0.02	2152991	485 (5.35)	469 (4.11)	467 (5.26)	475 (11.07)	374 (10.86)
YUG	68596	0.60	68187	429 (5.92)	442 (3.59)	453 (4.28)	445 (8.37)	366 (10.98)
THA	637076	.	637076	426 (5.48)	418 (3.01)	409 (4.06)	419 (13.37)	380 (13.24)
TUN	150875	0.09	150739	365 (2.89)	356 (3.02)	365 (4.17)	359 (6.92)	300 (6.61)
URY	33775	0.17	33719	417 (4.90)	425 (3.20)	453 (6.39)	443 (8.75)	327 (7.78)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I enjoy working with other students in groups.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	533 (3.63)	524 (2.37)	530 (2.67)	518 (6.90)	430 (8.36)
AUT	85931	1.08	85003	475 (4.83)	490 (3.51)	511 (4.00)	506 (6.27)	451 (21.83)
BEL	111831	1.79	109825	497 (4.10)	520 (2.60)	527 (3.65)	500 (6.83)	359 (16.47)
CAN	330436	9.70	298375	518 (2.44)	519 (2.02)	540 (3.07)	536 (5.89)	480 (9.81)
CZE	121183	4.06	116258	517 (5.59)	526 (3.25)	538 (4.26)	537 (11.11)	439 (38.87)
DNK	51741	0.65	51406	468 (4.75)	476 (3.11)	492 (4.81)	480 (11.71)	390 (16.90)
FIN	57884	0.07	57845	546 (5.10)	544 (1.99)	561 (3.70)	549 (7.28)	512 (15.92)
FRA	734579	0.87	728167	500 (4.94)	518 (3.30)	523 (5.63)	502 (10.93)	417 (17.42)
DEU	884358	5.57	835070	501 (5.23)	516 (4.25)	524 (4.81)	508 (6.79)	384 (15.38)
GRC	105131	0.13	104991	485 (6.65)	483 (3.73)	485 (4.28)	467 (8.83)	383 (15.77)
HUN	107044	0.06	106984	518 (7.36)	506 (3.04)	499 (3.69)	493 (7.64)	419 (20.33)
ISL	3928	0.63	3903	488 (5.77)	497 (2.80)	500 (2.78)	493 (5.58)	403 (19.37)
IRL	54850	1.03	54285	494 (5.13)	503 (3.20)	518 (3.59)	495 (10.26)	433 (13.90)
ITA	481521	0.39	479622	471 (5.79)	485 (3.19)	501 (4.60)	502 (7.97)	375 (19.03)
JPN	1240054	0.10	1238855	524 (7.57)	557 (5.47)	559 (4.08)	518 (6.19)	465 (27.72)
KOR	533504	0.08	533080	584 (8.98)	562 (4.23)	532 (3.61)	511 (5.21)	. (.)
LUX	4080	0.08	4077	469 (4.00)	482 (2.46)	501 (3.20)	493 (4.88)	396 (13.33)
MEX	1071650	0.37	1067674	400 (5.06)	409 (3.28)	416 (4.12)	424 (10.63)	335 (8.14)
NLD	184943	3.28	178872	509 (6.28)	530 (3.55)	544 (4.89)	507 (12.04)	465 (10.94)
NZL	48638	1.99	47670	511 (5.08)	523 (2.45)	537 (4.59)	524 (12.10)	. (.)
NOR	52816	0.77	52407	473 (5.56)	491 (3.05)	499 (4.13)	456 (6.80)	381 (13.16)
POL	534900	.	534900	498 (5.35)	495 (2.95)	507 (4.88)	525 (11.29)	405 (16.95)
PRT	96857	0.23	96637	460 (4.97)	466 (3.55)	483 (5.15)	479 (8.98)	406 (15.43)
SVK	77067	0.03	77043	479 (5.68)	497 (3.54)	504 (4.98)	500 (14.71)	390 (29.93)
ESP	344372	0.07	344114	482 (4.66)	492 (2.71)	494 (4.08)	456 (7.97)	366 (20.00)
SWE	107104	0.23	106861	502 (6.27)	508 (3.04)	511 (3.40)	507 (7.42)	404 (21.56)
CHE	86491	0.14	86370	502 (4.94)	517 (3.98)	527 (5.00)	506 (14.00)	470 (15.01)
TUR	481279	0.03	481137	431 (5.81)	436 (6.12)	452 (7.77)	442 (12.06)	370 (6.69)
GBR	698579	3.72	672605	521 (4.29)	520 (2.88)	525 (5.96)	513 (11.46)	402 (12.61)
USA	3147089	0.76	3123066	485 (4.14)	491 (3.00)	508 (4.52)	525 (9.22)	377 (15.04)
TOT	.	1.36	.	486 (1.86)	496 (1.19)	514 (1.32)	507 (3.03)	380 (4.84)
AVG	.	1.28	.	490 (1.04)	501 (0.69)	514 (0.77)	499 (1.45)	398 (3.17)
HKG	72484	0.21	72334	550 (5.40)	546 (4.07)	529 (5.26)	491 (10.70)	. (.)
IDN	1971476	0.02	1971153	388 (3.85)	397 (3.20)	409 (5.24)	391 (17.93)	346 (7.82)
LVA	33643	0.22	33570	487 (6.21)	487 (3.77)	497 (5.61)	506 (12.38)	403 (20.61)
LIE	338	.	338	502 (9.82)	531 (9.02)	552 (12.50)	. (.)	. (.)
MAC	6546	.	6546	535 (8.38)	527 (4.32)	520 (6.00)	490 (27.91)	. (.)
RUS	2153373	0.02	2152991	504 (5.92)	490 (4.14)	489 (5.50)	496 (12.02)	387 (10.80)
YUG	68596	0.60	68187	425 (5.20)	438 (3.48)	452 (4.67)	463 (10.91)	394 (12.55)
THA	637076	.	637076	438 (4.83)	429 (2.64)	425 (4.73)	442 (15.38)	400 (14.50)
TUN	150875	0.09	150739	392 (3.56)	383 (3.02)	391 (4.00)	392 (7.98)	293 (10.11)
URY	33775	0.17	33719	434 (4.88)	442 (2.94)	464 (6.56)	454 (10.19)	344 (7.70)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I enjoy working with other students in groups.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	537 (3.29)	529 (2.13)	533 (2.43)	520 (5.93)	439 (9.50)
AUT	85931	1.08	85003	488 (4.48)	506 (3.21)	525 (3.93)	520 (5.19)	458 (16.58)
BEL	111831	1.79	109825	515 (4.04)	536 (2.42)	543 (3.33)	508 (6.81)	398 (11.42)
CAN	330436	9.70	298375	530 (2.03)	530 (1.77)	550 (2.69)	545 (5.31)	501 (7.87)
CZE	121183	4.06	116258	512 (5.01)	520 (3.17)	532 (3.97)	529 (9.37)	443 (38.61)
DNK	51741	0.65	51406	508 (4.07)	518 (2.40)	533 (3.89)	523 (9.06)	445 (15.56)
FIN	57884	0.07	57845	548 (5.37)	544 (2.00)	558 (2.80)	539 (7.42)	535 (15.84)
FRA	734579	0.87	728167	512 (4.05)	527 (3.07)	526 (4.71)	497 (8.25)	425 (15.47)
DEU	884358	5.57	835070	510 (4.49)	525 (3.78)	528 (4.26)	512 (6.21)	407 (15.60)
GRC	105131	0.13	104991	448 (6.06)	451 (4.27)	455 (4.50)	427 (8.11)	350 (16.16)
HUN	107044	0.06	106984	510 (6.37)	506 (3.25)	495 (3.35)	482 (6.66)	433 (17.70)
ISL	3928	0.63	3903	499 (4.41)	506 (2.16)	510 (2.60)	504 (5.41)	420 (19.21)
IRL	54850	1.03	54285	492 (5.27)	498 (2.72)	509 (3.10)	479 (6.76)	411 (14.87)
ITA	481521	0.39	479622	452 (5.21)	470 (3.19)	483 (4.25)	483 (7.17)	346 (21.62)
JPN	1240054	0.10	1238855	526 (7.32)	556 (5.40)	559 (4.00)	515 (6.07)	457 (32.82)
KOR	533504	0.08	533080	590 (8.00)	573 (3.67)	545 (3.05)	523 (4.35)	. (.)
LUX	4080	0.08	4077	478 (3.17)	494 (2.26)	511 (3.20)	503 (4.56)	431 (10.52)
MEX	1071650	0.37	1067674	376 (5.91)	391 (4.36)	397 (5.17)	398 (9.32)	297 (7.12)
NLD	184943	3.28	178872	507 (6.20)	526 (3.08)	536 (4.81)	499 (11.98)	452 (11.45)
NZL	48638	1.99	47670	530 (3.97)	535 (2.33)	541 (4.19)	518 (11.77)	. (.)
NOR	52816	0.77	52407	485 (4.91)	495 (2.82)	502 (3.92)	454 (7.68)	437 (12.94)
POL	534900	.	534900	486 (4.96)	486 (2.74)	494 (4.28)	504 (9.40)	349 (28.46)
PRT	96857	0.23	96637	462 (4.94)	469 (3.85)	485 (5.18)	471 (11.17)	413 (16.65)
SVK	77067	0.03	77043	470 (5.81)	494 (3.17)	502 (5.12)	490 (13.15)	421 (36.58)
ESP	344372	0.07	344114	475 (4.16)	488 (2.91)	486 (3.77)	454 (6.65)	391 (13.84)
SWE	107104	0.23	106861	506 (5.84)	508 (2.40)	516 (2.88)	507 (6.40)	432 (18.70)
CHE	86491	0.14	86370	512 (4.03)	525 (3.46)	535 (3.65)	520 (9.26)	444 (15.20)
TUR	481279	0.03	481137	406 (5.38)	411 (6.32)	426 (7.28)	417 (10.52)	322 (8.56)
GBR	698579	3.72	672605	512 (4.14)	511 (2.67)	514 (5.25)	496 (10.31)	433 (12.07)
USA	3147089	0.76	3123066	474 (4.22)	477 (3.03)	490 (4.69)	495 (8.20)	383 (12.13)
TOT	.	1.36	.	480 (1.93)	489 (1.26)	508 (1.48)	498 (2.74)	370 (5.54)
AVG	.	1.28	.	492 (1.02)	502 (0.71)	513 (0.80)	498 (1.39)	399 (3.65)
HKG	72484	0.21	72334	560 (5.06)	555 (3.97)	535 (5.35)	495 (11.33)	. (.)
IDN	1971476	0.02	1971153	345 (3.91)	364 (3.17)	382 (5.64)	364 (20.30)	299 (5.86)
LVA	33643	0.22	33570	478 (7.53)	482 (3.87)	487 (5.39)	491 (10.77)	395 (20.72)
LIE	338	.	338	510 (8.67)	533 (7.21)	553 (10.89)	. (.)	. (.)
MAC	6546	.	6546	533 (7.53)	533 (3.99)	532 (4.34)	518 (15.67)	. (.)
RUS	2153373	0.02	2152991	491 (5.82)	480 (4.59)	477 (5.70)	487 (11.89)	373 (12.63)
YUG	68596	0.60	68187	412 (5.24)	426 (3.24)	439 (4.54)	427 (7.17)	343 (11.89)
THA	637076	.	637076	437 (5.22)	426 (2.78)	414 (3.92)	431 (13.36)	398 (17.69)
TUN	150875	0.09	150739	348 (2.72)	344 (2.54)	348 (3.97)	353 (7.43)	295 (6.22)
URY	33775	0.17	33719	404 (5.93)	415 (3.52)	442 (7.37)	427 (11.17)	300 (7.33)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I try very hard in Mathematics because I want to do better in the exams than the others.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.39	234674	18.48	(0.51)	62.89	(0.79)	14.64	(0.40)	2.50	(0.19)	1.49	(0.16)
AUT	85931	1.08	85003	8.34	(0.45)	27.38	(0.76)	44.99	(0.76)	17.78	(0.67)	1.51	(0.75)
BEL	111831	1.79	109825	6.63	(0.37)	27.62	(0.54)	52.35	(0.71)	9.44	(0.36)	3.96	(0.54)
CAN	330436	9.70	298375	16.21	(0.40)	42.90	(0.48)	34.36	(0.49)	4.11	(0.22)	2.41	(0.18)
CZE	121183	4.06	116258	8.13	(0.41)	46.74	(0.80)	41.22	(0.73)	2.79	(0.27)	1.12	(0.35)
DNK	51741	0.65	51406	14.69	(0.56)	43.18	(0.75)	34.87	(0.93)	3.83	(0.30)	3.43	(0.31)
FIN	57884	0.07	57845	4.54	(0.29)	27.68	(0.63)	57.74	(0.66)	8.87	(0.45)	1.17	(0.16)
FRA	734579	0.87	728167	8.62	(0.47)	29.29	(0.86)	49.42	(0.96)	10.63	(0.49)	2.05	(0.28)
DEU	884358	5.57	835070	17.10	(0.63)	32.68	(0.93)	39.00	(0.81)	9.14	(0.45)	2.08	(0.34)
GRC	105131	0.13	104991	17.67	(0.58)	43.31	(0.74)	33.30	(0.83)	3.67	(0.33)	2.05	(0.43)
HUN	107044	0.06	106984	4.01	(0.32)	23.95	(0.84)	63.29	(0.90)	7.60	(0.47)	1.14	(0.17)
ISL	3928	0.63	3903	16.65	(0.67)	43.98	(0.84)	33.36	(0.79)	4.82	(0.40)	1.20	(0.19)
IRL	54850	1.03	54285	12.64	(0.53)	38.19	(0.92)	43.69	(0.91)	4.17	(0.36)	1.32	(0.21)
ITA	481521	0.39	479622	12.94	(0.50)	40.56	(0.70)	40.34	(0.74)	5.28	(0.35)	0.88	(0.15)
JPN	1240054	0.10	1238855	8.31	(0.42)	32.68	(0.75)	44.09	(0.77)	14.13	(0.64)	0.79	(0.33)
KOR	533504	0.08	533080	8.40	(0.42)	35.46	(0.79)	47.91	(0.84)	7.92	(0.44)	0.30	(.)
LUX	4080	0.08	4077	17.74	(0.63)	33.75	(0.68)	36.78	(0.69)	8.87	(0.46)	2.86	(0.25)
MEX	1071650	0.37	1067674	18.32	(0.75)	47.20	(0.86)	25.14	(0.85)	2.26	(0.24)	7.08	(0.62)
NLD	184943	3.28	178872	4.04	(0.45)	23.92	(0.93)	60.64	(1.23)	8.25	(0.57)	3.14	(0.48)
NZL	48638	2.01	47659	15.54	(0.57)	45.76	(0.84)	35.10	(0.97)	2.90	(0.29)	0.69	(0.12)
NOR	52816	0.77	52407	7.03	(0.43)	29.51	(0.82)	49.54	(1.00)	10.88	(0.54)	3.04	(0.46)
POL	534900	.	534900	10.18	(0.46)	49.16	(0.89)	36.75	(0.83)	2.90	(0.24)	1.00	(0.19)
PRT	96857	0.23	96637	5.84	(0.33)	31.37	(0.85)	52.04	(0.91)	8.96	(0.54)	1.79	(0.26)
SVK	77067	0.03	77043	11.10	(0.48)	59.13	(0.78)	26.72	(0.83)	1.65	(0.20)	1.41	(0.53)
ESP	344372	0.07	344114	10.14	(0.43)	36.51	(0.68)	44.62	(0.75)	7.08	(0.35)	1.66	(0.25)
SWE	107104	0.23	106861	10.01	(0.51)	34.30	(0.88)	46.75	(0.89)	7.05	(0.35)	1.90	(0.25)
CHE	86491	0.14	86370	6.41	(0.28)	25.22	(0.73)	48.98	(0.67)	17.19	(0.72)	2.20	(0.23)
TUR	481279	0.03	481137	21.57	(0.85)	43.29	(1.07)	24.39	(0.98)	4.11	(0.35)	6.64	(0.86)
GBR	698579	3.72	672605	15.19	(0.45)	47.64	(0.81)	32.74	(0.79)	2.51	(0.22)	1.91	(0.23)
USA	3147089	0.76	3123066	21.13	(0.59)	48.23	(0.70)	25.56	(0.79)	2.77	(0.25)	2.30	(0.31)
TOT	.	1.36	.	14.87	(0.20)	41.42	(0.25)	35.35	(0.27)	5.93	(0.13)	2.43	(0.11)
AVG	.	1.28	.	11.91	(0.10)	38.44	(0.16)	40.69	(0.15)	6.81	(0.09)	2.15	(0.07)
HKG	72484	0.21	72334	16.38	(0.71)	56.82	(0.73)	22.69	(0.69)	3.85	(0.36)	0.26	(.)
IDN	1971476	0.02	1971153	22.91	(0.77)	65.67	(0.84)	7.16	(0.44)	0.33	(0.08)	3.94	(0.43)
LVA	33643	0.22	33570	4.21	(0.32)	37.73	(1.05)	54.22	(1.22)	3.05	(0.33)	0.80	(0.16)
LIE	338	.	338	5.44	(.)	27.97	(2.19)	49.16	(2.66)	15.93	(2.02)	1.51	(.)
MAC	6546	.	6546	16.95	(1.27)	48.28	(1.81)	32.12	(1.52)	2.49	(0.49)	0.16	(.)
RUS	2153373	0.02	2152991	10.03	(0.52)	48.70	(0.98)	37.57	(1.04)	1.69	(0.20)	2.01	(0.27)
YUG	68596	0.60	68187	9.06	(0.54)	28.06	(0.84)	48.46	(1.09)	7.56	(0.56)	6.86	(0.88)
THA	637076	.	637076	12.17	(0.90)	62.16	(0.97)	23.56	(0.73)	0.99	(0.17)	1.11	(0.17)
TUN	150875	0.09	150739	47.64	(0.96)	35.72	(0.72)	10.23	(0.48)	2.53	(0.23)	3.88	(0.34)
URY	33775	0.17	33719	14.46	(0.63)	36.37	(0.85)	37.00	(0.95)	6.32	(0.44)	5.85	(0.52)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I try very hard in Mathematics because I want to do better in the exams than the others.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	524 (2.96)	526 (2.18)	536 (3.88)	537 (7.07)	408 (9.90)
AUT	85931	1.08	85003	450 (6.27)	474 (4.13)	502 (3.67)	525 (5.28)	459 (36.98)
BEL	111831	1.79	109825	470 (6.82)	502 (3.22)	529 (2.53)	523 (6.03)	353 (18.20)
CAN	330436	9.70	298375	535 (2.82)	527 (2.00)	538 (1.93)	520 (5.15)	503 (7.36)
CZE	121183	4.06	116258	485 (5.37)	495 (2.90)	502 (3.42)	488 (9.17)	413 (29.87)
DNK	51741	0.65	51406	496 (4.78)	492 (2.97)	500 (3.24)	477 (10.29)	430 (14.41)
FIN	57884	0.07	57845	546 (6.86)	542 (2.83)	545 (1.82)	541 (4.23)	500 (15.79)
FRA	734579	0.87	728167	473 (6.07)	491 (4.31)	509 (2.90)	496 (5.17)	402 (13.24)
DEU	884358	5.57	835070	465 (4.17)	495 (4.32)	524 (3.62)	523 (7.27)	367 (13.88)
GRC	105131	0.13	104991	473 (5.73)	472 (4.52)	482 (4.46)	469 (9.58)	328 (20.38)
HUN	107044	0.06	106984	460 (7.98)	474 (4.11)	487 (2.74)	493 (6.44)	386 (20.86)
ISL	3928	0.63	3903	491 (4.57)	492 (2.73)	501 (2.66)	469 (10.71)	359 (20.78)
IRL	54850	1.03	54285	504 (5.75)	506 (3.91)	529 (2.86)	519 (8.24)	419 (18.26)
ITA	481521	0.39	479622	453 (6.69)	469 (3.16)	490 (3.32)	485 (7.48)	385 (18.92)
JPN	1240054	0.10	1238855	497 (6.63)	515 (4.47)	502 (4.06)	459 (7.43)	343 (38.74)
KOR	533504	0.08	533080	569 (5.31)	550 (3.15)	524 (3.33)	493 (5.19)	. (.)
LUX	4080	0.08	4077	461 (4.59)	478 (2.37)	497 (2.28)	490 (5.82)	363 (11.40)
MEX	1071650	0.37	1067674	398 (5.91)	409 (3.85)	413 (4.73)	391 (17.50)	302 (6.84)
NLD	184943	3.28	178872	471 (8.62)	491 (4.10)	531 (2.97)	527 (6.22)	489 (7.90)
NZL	48638	2.01	47659	504 (5.20)	517 (3.02)	544 (2.99)	513 (11.46)	480 (22.36)
NOR	52816	0.77	52407	492 (7.78)	506 (4.09)	509 (3.15)	471 (6.27)	432 (13.87)
POL	534900	.	534900	492 (5.33)	495 (3.19)	504 (3.70)	506 (10.82)	360 (20.53)
PRT	96857	0.23	96637	452 (7.54)	459 (5.13)	490 (3.40)	493 (6.25)	453 (13.42)
SVK	77067	0.03	77043	466 (5.32)	470 (3.30)	475 (3.56)	444 (12.11)	357 (35.63)
ESP	344372	0.07	344114	474 (4.92)	484 (2.92)	488 (2.93)	450 (6.80)	370 (13.90)
SWE	107104	0.23	106861	513 (6.37)	515 (3.59)	520 (2.52)	503 (6.77)	433 (18.44)
CHE	86491	0.14	86370	443 (5.97)	474 (3.91)	511 (2.84)	531 (6.74)	424 (13.10)
TUR	481279	0.03	481137	446 (6.80)	446 (6.43)	452 (8.07)	423 (9.46)	368 (7.91)
GBR	698579	3.72	672605	493 (4.92)	501 (2.94)	527 (3.49)	499 (10.36)	409 (12.31)
USA	3147089	0.76	3123066	494 (4.65)	494 (3.00)	513 (3.78)	484 (12.30)	369 (13.09)
TOT	.	1.36	.	479 (2.28)	488 (1.40)	504 (1.03)	484 (3.09)	363 (4.74)
AVG	.	1.28	.	482 (1.27)	492 (0.79)	508 (0.63)	498 (1.43)	392 (3.58)
HKG	72484	0.21	72334	525 (3.49)	514 (3.39)	500 (5.05)	447 (9.90)	. (.)
IDN	1971476	0.02	1971153	378 (4.32)	388 (3.42)	379 (6.37)	364 (26.65)	311 (9.57)
LVA	33643	0.22	33570	481 (7.92)	482 (4.44)	499 (3.95)	490 (13.65)	391 (19.19)
LIE	338	.	338	. (.)	508 (9.52)	534 (6.14)	559 (10.70)	. (.)
MAC	6546	.	6546	509 (6.94)	496 (3.20)	496 (3.98)	479 (17.92)	. (.)
RUS	2153373	0.02	2152991	456 (5.84)	444 (4.53)	441 (4.08)	458 (11.10)	334 (12.41)
YUG	68596	0.60	68187	390 (5.34)	407 (3.80)	426 (3.74)	428 (6.46)	344 (12.56)
THA	637076	.	637076	431 (5.97)	415 (2.70)	429 (4.09)	416 (15.00)	380 (13.84)
TUN	150875	0.09	150739	378 (4.07)	379 (3.32)	378 (4.98)	382 (11.82)	278 (9.15)
URY	33775	0.17	33719	412 (6.38)	426 (4.24)	463 (4.10)	453 (9.52)	334 (9.05)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I try very hard in Mathematics because I want to do better in the exams than the others.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	526 (3.30)	524 (2.09)	534 (3.84)	529 (6.99)	424 (9.22)
AUT	85931	1.08	85003	473 (5.87)	492 (3.49)	512 (3.30)	537 (5.47)	462 (20.40)
BEL	111831	1.79	109825	497 (6.75)	526 (3.09)	550 (2.48)	542 (5.16)	386 (15.97)
CAN	330436	9.70	298375	548 (2.94)	532 (2.13)	538 (1.92)	522 (5.37)	512 (7.39)
CZE	121183	4.06	116258	525 (5.90)	524 (3.13)	523 (3.92)	507 (9.72)	441 (30.52)
DNK	51741	0.65	51406	537 (5.58)	517 (2.72)	512 (3.34)	482 (9.80)	457 (12.41)
FIN	57884	0.07	57845	582 (7.01)	553 (2.88)	541 (1.99)	524 (4.34)	495 (13.23)
FRA	734579	0.87	728167	497 (6.12)	509 (3.61)	521 (2.88)	503 (5.22)	431 (12.51)
DEU	884358	5.57	835070	487 (4.01)	509 (4.11)	526 (3.60)	527 (7.99)	405 (12.32)
GRC	105131	0.13	104991	461 (5.04)	443 (4.26)	446 (4.08)	427 (7.74)	360 (14.51)
HUN	107044	0.06	106984	480 (7.92)	487 (4.26)	493 (3.08)	494 (6.75)	412 (19.32)
ISL	3928	0.63	3903	533 (3.63)	516 (2.41)	515 (2.56)	476 (9.09)	418 (16.37)
IRL	54850	1.03	54285	500 (5.46)	498 (3.51)	511 (2.62)	493 (7.22)	425 (15.53)
ITA	481521	0.39	479622	459 (5.27)	461 (3.24)	473 (3.87)	470 (5.89)	395 (16.81)
JPN	1240054	0.10	1238855	547 (6.86)	551 (4.65)	536 (4.39)	488 (6.73)	430 (25.81)
KOR	533504	0.08	533080	596 (5.65)	564 (3.67)	527 (3.42)	483 (5.14)	. (.)
LUX	4080	0.08	4077	479 (3.84)	490 (2.12)	504 (1.99)	507 (4.85)	427 (8.65)
MEX	1071650	0.37	1067674	389 (5.42)	392 (3.34)	394 (3.91)	369 (11.99)	304 (6.48)
NLD	184943	3.28	178872	503 (9.22)	523 (4.60)	557 (2.96)	539 (6.59)	478 (6.95)
NZL	48638	2.01	47659	516 (4.88)	521 (2.81)	539 (2.59)	504 (9.66)	469 (16.69)
NOR	52816	0.77	52407	508 (6.82)	508 (3.39)	498 (2.95)	459 (5.50)	426 (10.62)
POL	534900	.	534900	499 (5.03)	489 (2.69)	492 (3.51)	494 (10.15)	381 (15.34)
PRT	96857	0.23	96637	466 (7.42)	456 (4.61)	474 (3.11)	466 (6.87)	435 (10.06)
SVK	77067	0.03	77043	497 (5.31)	501 (3.37)	500 (3.82)	469 (12.60)	403 (35.85)
ESP	344372	0.07	344114	490 (4.80)	490 (3.00)	488 (2.82)	453 (5.00)	400 (12.51)
SWE	107104	0.23	106861	532 (5.67)	517 (3.95)	506 (2.15)	484 (6.08)	434 (15.93)
CHE	86491	0.14	86370	477 (5.78)	503 (3.53)	535 (3.29)	563 (6.82)	467 (13.59)
TUR	481279	0.03	481137	433 (7.04)	429 (7.49)	431 (9.49)	403 (10.42)	339 (7.66)
GBR	698579	3.72	672605	507 (4.74)	504 (2.67)	520 (3.56)	492 (9.06)	416 (11.16)
USA	3147089	0.76	3123066	484 (4.80)	481 (2.93)	497 (3.55)	472 (10.10)	394 (12.15)
TOT	.	1.36	.	482 (2.26)	487 (1.22)	504 (1.07)	488 (2.70)	376 (4.68)
AVG	.	1.28	.	495 (1.19)	498 (0.76)	510 (0.64)	501 (1.48)	406 (3.14)
HKG	72484	0.21	72334	577 (4.80)	556 (4.18)	532 (5.87)	470 (11.63)	. (.)
IDN	1971476	0.02	1971153	357 (4.41)	366 (3.97)	360 (7.07)	316 (23.55)	293 (7.73)
LVA	33643	0.22	33570	489 (7.72)	476 (4.15)	490 (4.14)	478 (13.46)	408 (16.83)
LIE	338	.	338	. (.)	518 (9.13)	540 (6.89)	575 (13.61)	. (.)
MAC	6546	.	6546	542 (8.05)	525 (3.90)	524 (5.87)	520 (21.09)	. (.)
RUS	2153373	0.02	2152991	495 (5.95)	471 (4.74)	463 (4.43)	469 (11.14)	380 (10.28)
YUG	68596	0.60	68187	417 (5.44)	436 (3.62)	451 (4.20)	445 (6.55)	365 (10.33)
THA	637076	.	637076	431 (6.08)	413 (3.00)	421 (4.09)	413 (14.19)	383 (12.60)
TUN	150875	0.09	150739	367 (3.06)	358 (3.16)	352 (3.80)	346 (9.06)	299 (6.93)
URY	33775	0.17	33719	402 (4.91)	416 (3.22)	448 (4.09)	444 (8.23)	327 (7.97)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I try very hard in Mathematics because I want to do better in the exams than the others.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	525 (3.17)	525 (2.18)	536 (3.66)	539 (7.62)	424 (8.36)
AUT	85931	1.08	85003	452 (5.92)	476 (3.76)	499 (3.46)	525 (5.50)	449 (26.55)
BEL	111831	1.79	109825	473 (6.65)	504 (3.16)	529 (2.53)	523 (6.07)	363 (15.47)
CAN	330436	9.70	298375	527 (3.11)	518 (2.42)	529 (2.15)	517 (5.98)	494 (9.00)
CZE	121183	4.06	116258	525 (6.30)	529 (3.04)	532 (4.02)	519 (10.32)	439 (34.17)
DNK	51741	0.65	51406	492 (5.59)	475 (3.36)	479 (3.69)	456 (11.38)	399 (13.92)
FIN	57884	0.07	57845	573 (7.52)	552 (3.42)	547 (1.97)	536 (4.80)	512 (14.41)
FRA	734579	0.87	728167	496 (7.55)	507 (4.93)	523 (3.41)	505 (6.33)	428 (17.59)
DEU	884358	5.57	835070	483 (4.36)	508 (4.41)	527 (3.82)	534 (7.66)	386 (13.94)
GRC	105131	0.13	104991	487 (5.94)	480 (4.15)	485 (4.20)	479 (9.45)	388 (15.88)
HUN	107044	0.06	106984	488 (8.41)	497 (4.36)	507 (3.02)	516 (7.55)	413 (20.49)
ISL	3928	0.63	3903	505 (4.34)	496 (2.53)	497 (2.85)	464 (9.14)	396 (17.25)
IRL	54850	1.03	54285	500 (6.41)	497 (3.88)	515 (2.99)	506 (8.60)	441 (16.20)
ITA	481521	0.39	479622	477 (6.11)	481 (3.27)	496 (3.93)	500 (6.97)	388 (15.40)
JPN	1240054	0.10	1238855	551 (7.33)	563 (4.83)	551 (4.45)	508 (7.31)	414 (30.77)
KOR	533504	0.08	533080	583 (6.16)	558 (3.89)	525 (3.86)	489 (6.09)	. (.)
LUX	4080	0.08	4077	466 (4.32)	478 (2.48)	498 (2.49)	500 (6.22)	392 (11.13)
MEX	1071650	0.37	1067674	410 (5.51)	410 (3.29)	413 (3.96)	392 (11.53)	334 (6.75)
NLD	184943	3.28	178872	483 (10.78)	503 (5.34)	544 (3.14)	531 (7.29)	467 (9.25)
NZL	48638	2.01	47659	506 (5.43)	516 (3.13)	540 (3.33)	515 (9.85)	459 (17.31)
NOR	52816	0.77	52407	489 (7.72)	493 (3.84)	491 (3.30)	454 (6.02)	398 (12.19)
POL	534900	.	534900	504 (6.06)	495 (3.01)	501 (3.91)	518 (13.65)	413 (15.03)
PRT	96857	0.23	96637	458 (7.92)	455 (4.49)	477 (3.47)	478 (6.40)	417 (12.16)
SVK	77067	0.03	77043	495 (6.25)	496 (4.02)	501 (3.94)	473 (12.72)	378 (30.93)
ESP	344372	0.07	344114	488 (5.01)	492 (3.23)	492 (2.94)	457 (5.53)	376 (16.15)
SWE	107104	0.23	106861	520 (7.43)	512 (3.97)	506 (2.93)	486 (7.78)	419 (18.43)
CHE	86491	0.14	86370	456 (6.70)	489 (3.91)	522 (3.17)	549 (8.92)	458 (13.28)
TUR	481279	0.03	481137	441 (6.80)	438 (6.51)	441 (8.35)	418 (9.40)	368 (6.15)
GBR	698579	3.72	672605	510 (5.17)	514 (2.99)	535 (3.84)	510 (9.87)	404 (12.99)
USA	3147089	0.76	3123066	489 (4.70)	488 (3.03)	511 (3.60)	493 (11.35)	375 (15.79)
TOT	.	1.36	.	487 (2.26)	494 (1.27)	512 (1.07)	500 (2.86)	379 (4.44)
AVG	.	1.28	.	491 (1.25)	497 (0.72)	511 (0.62)	504 (1.59)	401 (2.96)
HKG	72484	0.21	72334	559 (4.23)	544 (4.01)	527 (5.99)	475 (11.61)	. (.)
IDN	1971476	0.02	1971153	395 (3.51)	398 (3.46)	394 (6.20)	377 (23.27)	343 (7.06)
LVA	33643	0.22	33570	496 (8.37)	483 (4.15)	495 (4.45)	484 (14.69)	407 (17.92)
LIE	338	.	338	. (.)	510 (9.06)	533 (8.46)	560 (14.10)	. (.)
MAC	6546	.	6546	542 (9.35)	523 (4.74)	522 (5.35)	480 (26.07)	. (.)
RUS	2153373	0.02	2152991	511 (6.64)	492 (4.87)	486 (4.22)	496 (11.33)	385 (12.42)
YUG	68596	0.60	68187	418 (5.79)	432 (3.95)	447 (3.90)	452 (6.76)	392 (11.86)
THA	637076	.	637076	436 (5.35)	425 (2.68)	438 (3.90)	441 (17.03)	405 (13.50)
TUN	150875	0.09	150739	394 (3.02)	384 (3.00)	380 (4.51)	376 (9.97)	293 (9.70)
URY	33775	0.17	33719	425 (5.67)	432 (3.68)	463 (3.56)	450 (7.91)	347 (7.74)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I try very hard in Mathematics because I want to do better in the exams than the others.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	529 (3.29)	530 (1.88)	539 (3.58)	535 (6.80)	433 (9.60)
AUT	85931	1.08	85003	472 (5.50)	492 (3.41)	513 (3.28)	538 (5.27)	455 (21.15)
BEL	111831	1.79	109825	493 (6.34)	520 (2.90)	545 (2.29)	536 (5.57)	402 (10.72)
CAN	330436	9.70	298375	543 (2.74)	530 (1.93)	537 (1.95)	519 (5.28)	512 (7.57)
CZE	121183	4.06	116258	523 (5.66)	524 (2.96)	524 (3.76)	506 (9.11)	436 (35.93)
DNK	51741	0.65	51406	534 (5.08)	519 (2.47)	517 (3.00)	491 (9.12)	450 (13.72)
FIN	57884	0.07	57845	577 (6.76)	555 (2.86)	545 (2.01)	532 (3.89)	532 (13.92)
FRA	734579	0.87	728167	504 (5.80)	517 (3.82)	530 (2.98)	511 (4.99)	436 (13.59)
DEU	884358	5.57	835070	492 (3.78)	516 (4.12)	535 (3.49)	537 (7.32)	410 (13.68)
GRC	105131	0.13	104991	456 (5.09)	447 (4.83)	454 (4.10)	438 (10.12)	365 (16.80)
HUN	107044	0.06	106984	489 (7.69)	497 (4.47)	504 (3.05)	505 (7.04)	434 (17.87)
ISL	3928	0.63	3903	517 (4.14)	506 (2.33)	506 (2.68)	476 (8.32)	398 (16.95)
IRL	54850	1.03	54285	493 (4.92)	493 (3.33)	507 (2.55)	493 (6.93)	419 (15.71)
ITA	481521	0.39	479622	458 (6.04)	466 (3.35)	479 (3.83)	475 (6.90)	368 (19.30)
JPN	1240054	0.10	1238855	555 (6.62)	565 (4.70)	549 (4.35)	504 (7.25)	410 (46.41)
KOR	533504	0.08	533080	591 (5.19)	568 (3.56)	539 (3.33)	502 (5.43)	. (.)
LUX	4080	0.08	4077	480 (4.76)	491 (2.24)	506 (2.02)	503 (5.17)	425 (9.30)
MEX	1071650	0.37	1067674	385 (6.02)	392 (4.03)	397 (4.94)	370 (13.45)	297 (6.55)
NLD	184943	3.28	178872	482 (9.59)	501 (4.68)	538 (3.17)	521 (7.21)	455 (9.34)
NZL	48638	2.01	47659	522 (4.61)	529 (2.70)	550 (2.82)	516 (10.54)	484 (18.24)
NOR	52816	0.77	52407	495 (7.72)	501 (4.21)	494 (3.13)	453 (6.17)	447 (11.82)
POL	534900	.	534900	492 (5.34)	485 (2.86)	490 (3.49)	495 (11.10)	361 (26.84)
PRT	96857	0.23	96637	461 (7.58)	457 (5.28)	480 (3.46)	472 (7.85)	423 (12.20)
SVK	77067	0.03	77043	488 (5.60)	494 (3.31)	495 (4.02)	463 (12.52)	403 (40.45)
ESP	344372	0.07	344114	482 (4.98)	486 (3.36)	487 (3.09)	450 (5.76)	401 (12.51)
SWE	107104	0.23	106861	523 (5.83)	514 (3.48)	508 (2.17)	485 (5.58)	449 (15.57)
CHE	86491	0.14	86370	473 (5.68)	499 (3.69)	531 (2.93)	555 (5.90)	437 (13.07)
TUR	481279	0.03	481137	416 (6.52)	412 (6.65)	416 (8.39)	392 (9.78)	330 (7.21)
GBR	698579	3.72	672605	502 (4.82)	505 (2.76)	526 (3.27)	495 (9.06)	430 (12.09)
USA	3147089	0.76	3123066	476 (5.10)	475 (3.01)	493 (3.77)	469 (10.45)	381 (12.09)
TOT	.	1.36	.	478 (2.49)	487 (1.31)	507 (1.12)	495 (2.78)	370 (4.66)
AVG	.	1.28	.	491 (1.26)	498 (0.76)	511 (0.64)	503 (1.39)	404 (3.06)
HKG	72484	0.21	72334	570 (4.34)	553 (3.87)	533 (5.57)	477 (11.82)	. (.)
IDN	1971476	0.02	1971153	355 (3.88)	367 (3.51)	364 (6.19)	338 (22.35)	296 (6.24)
LVA	33643	0.22	33570	481 (8.12)	475 (4.69)	489 (4.28)	483 (12.83)	390 (19.70)
LIE	338	.	338	. (.)	510 (9.61)	536 (6.53)	567 (12.93)	. (.)
MAC	6546	.	6546	534 (7.33)	530 (3.73)	534 (5.35)	541 (17.95)	. (.)
RUS	2153373	0.02	2152991	500 (6.38)	482 (5.18)	475 (4.74)	483 (12.62)	373 (11.46)
YUG	68596	0.60	68187	399 (5.64)	419 (3.42)	436 (3.73)	427 (6.18)	343 (11.29)
THA	637076	.	637076	439 (6.40)	421 (2.61)	429 (3.85)	427 (12.88)	402 (16.51)
TUN	150875	0.09	150739	351 (2.78)	345 (2.80)	337 (4.11)	342 (10.71)	294 (7.06)
URY	33775	0.17	33719	386 (6.57)	406 (3.89)	437 (4.41)	436 (9.46)	307 (8.20)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

When we work on a project in Mathematics, I think that it is a good idea to combine the ideas of all the students in a group.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.39	234674	15.70	(0.47)	61.23	(0.65)	18.84	(0.41)	2.45	(0.16)	1.77	(0.17)
AUT	85931	1.08	85003	28.46	(0.90)	42.72	(0.87)	18.50	(0.76)	8.24	(0.49)	2.08	(0.76)
BEL	111831	1.79	109825	14.17	(0.48)	60.42	(0.77)	17.22	(0.44)	3.92	(0.25)	4.26	(0.53)
CAN	330436	9.70	298375	19.25	(0.43)	58.69	(0.57)	16.95	(0.41)	3.29	(0.20)	1.82	(0.17)
CZE	121183	4.06	116258	15.22	(0.56)	69.85	(0.86)	12.18	(0.48)	1.75	(0.21)	1.00	(0.34)
DNK	51741	0.65	51406	15.76	(0.68)	61.41	(0.91)	16.97	(0.70)	2.42	(0.24)	3.44	(0.37)
FIN	57884	0.07	57845	7.74	(0.40)	58.04	(0.80)	27.84	(0.68)	4.92	(0.36)	1.45	(0.15)
FRA	734579	0.87	728167	19.21	(0.62)	57.77	(0.85)	15.94	(0.71)	4.67	(0.32)	2.41	(0.27)
DEU	884358	5.57	835070	19.86	(0.64)	43.07	(0.79)	27.11	(0.79)	7.74	(0.54)	2.23	(0.35)
GRC	105131	0.13	104991	18.49	(0.67)	57.36	(0.77)	18.45	(0.73)	3.53	(0.35)	2.16	(0.42)
HUN	107044	0.06	106984	14.83	(0.54)	66.00	(0.75)	15.65	(0.66)	2.34	(0.21)	1.18	(0.16)
ISL	3928	0.63	3903	14.94	(0.64)	55.99	(0.86)	22.34	(0.63)	5.40	(0.35)	1.34	(0.21)
IRL	54850	1.03	54285	13.10	(0.55)	57.04	(0.81)	22.90	(0.66)	4.56	(0.33)	2.39	(0.32)
ITA	481521	0.39	479622	21.59	(0.64)	57.03	(0.69)	16.38	(0.58)	4.15	(0.29)	0.85	(0.13)
JPN	1240054	0.10	1238855	4.80	(0.35)	33.84	(0.79)	45.22	(0.79)	14.93	(0.65)	1.22	(0.35)
KOR	533504	0.08	533080	6.15	(0.35)	43.66	(0.94)	41.10	(0.93)	8.51	(0.43)	0.57	(0.10)
LUX	4080	0.08	4077	21.94	(0.58)	44.17	(0.73)	21.18	(0.61)	9.67	(0.44)	3.04	(0.28)
MEX	1071650	0.37	1067674	20.52	(0.76)	51.86	(0.83)	17.94	(0.66)	2.45	(0.24)	7.23	(0.65)
NLD	184943	3.32	178808	7.66	(0.43)	64.50	(1.04)	22.17	(0.81)	2.81	(0.37)	2.86	(0.45)
NZL	48638	2.01	47659	14.77	(0.52)	62.70	(0.73)	19.39	(0.64)	2.29	(0.24)	0.84	(0.15)
NOR	52816	0.77	52407	16.88	(0.69)	57.50	(0.89)	16.78	(0.66)	5.30	(0.45)	3.55	(0.46)
POL	534900	.	534900	19.32	(0.63)	68.16	(0.75)	9.78	(0.47)	1.76	(0.19)	0.98	(0.19)
PRT	96857	0.23	96637	22.63	(0.73)	62.34	(0.78)	10.55	(0.57)	2.77	(0.34)	1.70	(0.29)
SVK	77067	0.03	77043	19.47	(0.54)	68.29	(0.71)	9.33	(0.51)	1.48	(0.20)	1.42	(0.53)
ESP	344372	0.07	344114	14.65	(0.58)	56.52	(0.93)	21.90	(0.75)	5.10	(0.28)	1.82	(0.28)
SWE	107104	0.23	106861	17.48	(0.64)	64.65	(0.78)	12.87	(0.57)	3.15	(0.25)	1.86	(0.20)
CHE	86491	0.14	86370	22.40	(0.57)	51.84	(0.98)	18.48	(0.74)	5.04	(0.44)	2.25	(0.26)
TUR	481279	0.03	481137	20.46	(0.97)	46.54	(1.00)	19.94	(0.56)	4.86	(0.42)	8.20	(1.03)
GBR	698579	3.72	672605	16.36	(0.48)	61.18	(0.73)	17.71	(0.57)	2.73	(0.25)	2.02	(0.23)
USA	3147089	0.76	3123066	21.29	(0.60)	56.60	(0.66)	16.09	(0.61)	3.71	(0.34)	2.30	(0.29)
TOT	.	1.36	.	17.30	(0.17)	53.37	(0.25)	21.50	(0.22)	5.22	(0.12)	2.61	(0.11)
AVG	.	1.28	.	16.83	(0.12)	56.68	(0.15)	19.60	(0.11)	4.54	(0.06)	2.34	(0.07)
HKG	72484	0.21	72334	8.97	(0.47)	58.15	(0.80)	27.66	(0.79)	4.88	(0.41)	0.33	(.)
IDN	1971476	0.02	1971153	13.90	(0.57)	62.79	(0.73)	17.88	(0.61)	1.29	(0.21)	4.14	(0.46)
LVA	33643	0.22	33570	8.88	(0.62)	63.40	(1.08)	24.60	(0.84)	2.28	(0.26)	0.85	(0.16)
LIE	338	.	338	27.42	(2.16)	50.31	(2.32)	16.29	(1.64)	5.07	(.)	0.91	(.)
MAC	6546	.	6546	15.70	(1.27)	55.89	(1.77)	25.75	(1.16)	2.48	(.)	0.19	(.)
RUS	2153373	0.02	2152991	9.03	(0.42)	52.64	(1.03)	33.35	(1.00)	2.39	(0.29)	2.59	(0.34)
YUG	68596	0.60	68187	20.08	(0.74)	56.17	(1.06)	13.51	(0.53)	3.52	(0.39)	6.71	(0.86)
THA	637076	.	637076	19.17	(0.68)	68.29	(0.81)	10.45	(0.46)	0.96	(0.31)	1.13	(0.17)
TUN	150875	0.09	150739	32.61	(0.76)	44.35	(0.89)	14.09	(0.67)	3.88	(0.31)	5.07	(0.35)
URY	33775	0.21	33706	25.00	(0.73)	54.38	(0.82)	11.31	(0.55)	3.13	(0.25)	6.19	(0.54)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

When we work on a project in Mathematics, I think that it is a good idea to combine the ideas of all the students in a group.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	526 (3.37)	532 (2.11)	519 (3.61)	503 (7.79)	426 (10.17)
AUT	85931	1.08	85003	505 (4.44)	499 (4.06)	470 (5.50)	477 (8.86)	483 (17.83)
BEL	111831	1.79	109825	500 (4.63)	528 (2.63)	502 (3.99)	464 (8.90)	364 (18.28)
CAN	330436	9.70	298375	531 (2.83)	535 (1.78)	527 (2.33)	509 (5.67)	495 (8.11)
CZE	121183	4.06	116258	491 (4.29)	501 (2.75)	483 (5.03)	483 (11.96)	407 (33.70)
DNK	51741	0.65	51406	507 (4.14)	495 (2.84)	490 (4.52)	460 (10.71)	416 (13.54)
FIN	57884	0.07	57845	558 (4.63)	551 (1.76)	529 (2.64)	520 (6.22)	512 (15.02)
FRA	734579	0.87	728167	495 (4.25)	508 (3.04)	490 (5.20)	442 (9.16)	408 (12.75)
DEU	884358	5.57	835070	494 (5.61)	508 (3.36)	506 (4.22)	496 (7.60)	369 (13.51)
GRC	105131	0.13	104991	477 (5.33)	478 (4.06)	474 (5.65)	449 (9.34)	323 (18.07)
HUN	107044	0.06	106984	493 (4.69)	485 (2.77)	469 (4.11)	461 (9.46)	378 (19.80)
ISL	3928	0.63	3903	494 (4.69)	503 (1.99)	480 (3.70)	461 (7.98)	367 (21.58)
IRL	54850	1.03	54285	515 (5.07)	522 (2.99)	511 (3.54)	492 (6.03)	433 (14.48)
ITA	481521	0.39	479622	472 (4.87)	479 (2.90)	474 (5.20)	478 (7.59)	382 (22.74)
JPN	1240054	0.10	1238855	500 (8.47)	513 (4.51)	502 (3.93)	460 (6.62)	399 (26.00)
KOR	533504	0.08	533080	567 (6.42)	555 (3.07)	517 (3.23)	497 (5.20)	409 (35.47)
LUX	4080	0.08	4077	472 (3.87)	487 (2.40)	487 (3.25)	480 (5.11)	375 (12.55)
MEX	1071650	0.37	1067674	406 (5.39)	409 (3.54)	408 (5.59)	399 (13.50)	301 (7.33)
NLD	184943	3.32	178808	515 (5.61)	526 (2.60)	502 (4.36)	472 (11.32)	488 (9.14)
NZL	48638	2.01	47659	523 (5.39)	528 (2.62)	518 (4.07)	496 (13.22)	459 (28.82)
NOR	52816	0.77	52407	511 (4.54)	513 (2.99)	479 (4.39)	441 (8.81)	438 (12.85)
POL	534900	.	534900	503 (3.59)	498 (3.04)	488 (6.17)	497 (13.45)	356 (20.02)
PRT	96857	0.23	96637	493 (4.18)	480 (3.85)	445 (6.19)	444 (11.79)	443 (16.98)
SVK	77067	0.03	77043	478 (3.86)	474 (2.97)	442 (6.88)	414 (17.89)	363 (32.35)
ESP	344372	0.07	344114	478 (4.68)	489 (2.71)	479 (3.81)	439 (7.91)	374 (14.06)
SWE	107104	0.23	106861	538 (4.14)	519 (2.48)	483 (4.77)	467 (10.31)	422 (19.05)
CHE	86491	0.14	86370	503 (3.53)	507 (3.33)	486 (4.53)	476 (13.01)	433 (14.47)
TUR	481279	0.03	481137	455 (7.61)	452 (6.35)	435 (5.73)	420 (9.14)	370 (7.04)
GBR	698579	3.72	672605	509 (4.04)	514 (3.12)	495 (3.82)	475 (10.59)	412 (11.50)
USA	3147089	0.76	3123066	499 (4.79)	501 (3.31)	491 (4.75)	488 (8.27)	383 (13.40)
TOT	.	1.36	.	488 (2.03)	497 (1.26)	489 (1.48)	469 (3.02)	369 (4.73)
AVG	.	1.28	.	496 (1.05)	503 (0.63)	490 (0.84)	470 (1.54)	395 (3.28)
HKG	72484	0.21	72334	515 (6.05)	518 (3.35)	500 (4.32)	463 (8.99)	. (.)
IDN	1971476	0.02	1971153	374 (5.38)	388 (3.22)	384 (5.41)	370 (14.74)	312 (8.90)
LVA	33643	0.22	33570	501 (6.44)	494 (3.99)	486 (4.98)	456 (15.07)	396 (21.00)
LIE	338	.	338	524 (8.55)	532 (6.07)	507 (12.30)	. (.)	. (.)
MAC	6546	.	6546	509 (6.37)	502 (2.83)	485 (4.32)	. (.)	. (.)
RUS	2153373	0.02	2152991	458 (6.06)	448 (4.07)	435 (4.43)	454 (11.43)	345 (9.51)
YUG	68596	0.60	68187	414 (4.86)	420 (3.56)	413 (4.66)	413 (9.53)	340 (11.72)
THA	637076	.	637076	439 (4.14)	418 (2.87)	406 (4.84)	392 (19.50)	384 (13.68)
TUN	150875	0.09	150739	381 (4.94)	380 (3.05)	374 (5.10)	373 (8.57)	295 (7.71)
URY	33775	0.21	33706	441 (4.83)	446 (3.60)	427 (6.72)	419 (11.15)	327 (7.72)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

When we work on a project in Mathematics, I think that it is a good idea to combine the ideas of all the students in a group.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	525 (3.57)	530 (2.09)	520 (3.54)	498 (7.61)	437 (9.47)
AUT	85931	1.08	85003	508 (4.19)	514 (3.70)	497 (4.74)	497 (7.14)	489 (12.30)
BEL	111831	1.79	109825	518 (4.33)	550 (2.43)	528 (3.43)	486 (7.58)	397 (16.22)
CAN	330436	9.70	298375	534 (2.45)	539 (1.90)	534 (2.07)	525 (5.40)	500 (8.79)
CZE	121183	4.06	116258	519 (5.16)	526 (3.19)	515 (5.23)	512 (14.15)	440 (33.65)
DNK	51741	0.65	51406	524 (4.83)	518 (2.72)	513 (4.13)	476 (12.00)	450 (12.57)
FIN	57884	0.07	57845	563 (5.07)	551 (2.02)	532 (2.82)	517 (6.39)	514 (12.53)
FRA	734579	0.87	728167	508 (4.11)	522 (2.61)	506 (4.84)	462 (6.70)	435 (11.53)
DEU	884358	5.57	835070	505 (5.31)	520 (3.37)	514 (4.37)	499 (7.65)	403 (12.19)
GRC	105131	0.13	104991	448 (4.82)	448 (4.20)	445 (4.71)	427 (7.01)	361 (12.63)
HUN	107044	0.06	106984	501 (4.93)	492 (3.10)	481 (4.15)	475 (8.84)	395 (17.18)
ISL	3928	0.63	3903	522 (4.23)	524 (2.00)	500 (3.29)	487 (7.64)	430 (17.08)
IRL	54850	1.03	54285	499 (4.71)	509 (2.69)	503 (3.59)	473 (6.79)	436 (12.30)
ITA	481521	0.39	479622	453 (4.81)	470 (3.11)	469 (4.87)	477 (7.02)	399 (17.13)
JPN	1240054	0.10	1238855	539 (8.06)	543 (4.48)	541 (4.15)	497 (6.39)	467 (21.78)
KOR	533504	0.08	533080	589 (7.53)	566 (3.48)	522 (3.31)	492 (4.96)	474 (20.44)
LUX	4080	0.08	4077	484 (3.12)	497 (2.07)	502 (2.61)	496 (4.48)	437 (9.27)
MEX	1071650	0.37	1067674	391 (4.58)	393 (3.23)	390 (5.18)	378 (11.80)	304 (6.23)
NLD	184943	3.32	178808	537 (5.93)	553 (2.78)	531 (4.90)	482 (10.53)	477 (7.44)
NZL	48638	2.01	47659	525 (4.74)	528 (2.31)	523 (3.94)	508 (10.66)	462 (23.18)
NOR	52816	0.77	52407	498 (3.70)	506 (2.58)	484 (4.10)	448 (6.84)	435 (9.60)
POL	534900	.	534900	497 (3.39)	490 (2.58)	488 (5.88)	493 (11.33)	365 (15.45)
PRT	96857	0.23	96637	477 (4.43)	469 (3.39)	441 (6.27)	430 (12.85)	429 (11.84)
SVK	77067	0.03	77043	499 (4.42)	503 (3.21)	483 (6.31)	460 (21.01)	410 (31.94)
ESP	344372	0.07	344114	483 (4.17)	492 (2.44)	486 (3.93)	448 (6.85)	393 (12.27)
SWE	107104	0.23	106861	535 (4.01)	513 (2.49)	480 (4.75)	466 (10.10)	425 (16.57)
CHE	86491	0.14	86370	528 (3.59)	535 (3.57)	513 (4.56)	508 (9.63)	473 (12.40)
TUR	481279	0.03	481137	438 (7.90)	436 (7.80)	418 (6.23)	405 (8.13)	341 (6.79)
GBR	698579	3.72	672605	514 (4.13)	513 (2.93)	498 (3.67)	480 (10.30)	419 (11.08)
USA	3147089	0.76	3123066	485 (4.49)	487 (2.94)	480 (4.84)	482 (8.36)	402 (12.65)
TOT	.	1.36	.	484 (2.06)	495 (1.10)	497 (1.49)	480 (3.09)	381 (4.70)
AVG	.	1.28	.	498 (1.09)	508 (0.60)	500 (0.85)	480 (1.48)	409 (2.79)
HKG	72484	0.21	72334	556 (7.07)	561 (4.30)	538 (5.28)	493 (11.08)	. (.)
IDN	1971476	0.02	1971153	350 (4.47)	367 (3.95)	362 (5.79)	347 (14.44)	291 (7.00)
LVA	33643	0.22	33570	483 (6.39)	487 (3.91)	481 (4.67)	452 (16.16)	416 (17.95)
LIE	338	.	338	526 (11.05)	544 (6.71)	523 (13.83)	. (.)	. (.)
MAC	6546	.	6546	529 (8.90)	533 (3.79)	516 (6.46)	. (.)	. (.)
RUS	2153373	0.02	2152991	488 (5.65)	475 (4.35)	458 (4.45)	478 (11.20)	383 (8.66)
YUG	68596	0.60	68187	437 (5.10)	445 (3.74)	442 (5.31)	434 (8.93)	363 (10.01)
THA	637076	.	637076	430 (4.41)	416 (3.11)	405 (4.54)	385 (15.30)	387 (12.57)
TUN	150875	0.09	150739	369 (3.39)	361 (2.98)	352 (4.47)	342 (7.30)	301 (7.05)
URY	33775	0.21	33706	424 (4.49)	433 (3.13)	422 (5.94)	417 (10.74)	324 (6.34)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

When we work on a project in Mathematics, I think that it is a good idea to combine the ideas of all the students in a group.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	526 (3.22)	531 (2.15)	519 (3.82)	503 (7.92)	437 (9.15)
AUT	85931	1.08	85003	499 (4.35)	498 (3.95)	476 (4.84)	483 (8.12)	477 (13.43)
BEL	111831	1.79	109825	501 (4.31)	528 (2.52)	505 (4.17)	469 (7.96)	374 (15.42)
CAN	330436	9.70	298375	519 (2.95)	526 (2.06)	521 (2.60)	512 (6.21)	483 (9.75)
CZE	121183	4.06	116258	525 (5.36)	532 (2.99)	518 (5.45)	519 (14.77)	436 (38.02)
DNK	51741	0.65	51406	487 (5.09)	479 (2.94)	475 (4.51)	450 (13.16)	392 (13.94)
FIN	57884	0.07	57845	562 (5.33)	555 (2.11)	535 (2.81)	527 (6.80)	527 (13.57)
FRA	734579	0.87	728167	509 (5.09)	523 (3.19)	506 (6.20)	458 (9.49)	433 (16.19)
DEU	884358	5.57	835070	505 (5.89)	519 (3.60)	515 (4.56)	504 (7.67)	387 (13.11)
GRC	105131	0.13	104991	488 (5.44)	484 (3.93)	481 (5.75)	456 (11.10)	392 (14.89)
HUN	107044	0.06	106984	517 (5.04)	505 (3.01)	492 (4.09)	488 (10.17)	405 (18.71)
ISL	3928	0.63	3903	499 (4.17)	505 (2.10)	480 (3.73)	468 (8.46)	402 (20.34)
IRL	54850	1.03	54285	499 (5.20)	510 (3.27)	505 (3.86)	485 (7.22)	441 (11.50)
ITA	481521	0.39	479622	478 (5.15)	490 (3.10)	488 (5.83)	502 (7.74)	396 (20.21)
JPN	1240054	0.10	1238855	546 (8.53)	559 (4.71)	553 (4.10)	512 (6.94)	461 (24.43)
KOR	533504	0.08	533080	579 (7.45)	563 (3.72)	516 (3.82)	496 (6.06)	469 (21.85)
LUX	4080	0.08	4077	475 (4.01)	487 (2.39)	491 (2.78)	488 (5.16)	399 (11.62)
MEX	1071650	0.37	1067674	411 (4.65)	411 (3.20)	410 (4.88)	399 (14.55)	335 (6.66)
NLD	184943	3.32	178808	521 (6.63)	539 (3.07)	515 (5.15)	471 (12.34)	464 (10.07)
NZL	48638	2.01	47659	514 (6.08)	525 (2.56)	526 (4.21)	514 (13.38)	462 (25.01)
NOR	52816	0.77	52407	489 (4.73)	496 (3.20)	471 (4.94)	435 (8.29)	408 (10.85)
POL	534900	.	534900	507 (3.93)	497 (3.03)	491 (6.77)	510 (13.31)	396 (17.02)
PRT	96857	0.23	96637	480 (4.72)	471 (3.59)	443 (6.20)	440 (12.66)	413 (15.32)
SVK	77067	0.03	77043	502 (4.50)	499 (3.62)	474 (6.83)	455 (19.64)	387 (28.49)
ESP	344372	0.07	344114	484 (4.74)	495 (2.70)	487 (4.06)	449 (7.89)	378 (16.18)
SWE	107104	0.23	106861	532 (4.91)	510 (2.71)	478 (5.37)	462 (11.63)	403 (17.62)
CHE	86491	0.14	86370	515 (4.27)	523 (3.95)	496 (4.80)	488 (12.89)	465 (12.68)
TUR	481279	0.03	481137	446 (7.64)	444 (6.72)	429 (5.87)	420 (7.91)	370 (6.21)
GBR	698579	3.72	672605	525 (4.17)	525 (3.09)	507 (4.05)	489 (11.49)	405 (11.97)
USA	3147089	0.76	3123066	490 (4.77)	495 (3.19)	494 (4.94)	503 (9.20)	387 (16.05)
TOT	.	1.36	.	490 (2.05)	502 (1.13)	504 (1.54)	491 (3.30)	386 (4.49)
AVG	.	1.28	.	498 (1.07)	507 (0.61)	499 (0.88)	482 (1.70)	405 (2.73)
HKG	72484	0.21	72334	541 (6.66)	548 (4.11)	531 (4.92)	493 (10.44)	. (.)
IDN	1971476	0.02	1971153	392 (3.88)	399 (3.21)	394 (5.15)	381 (11.04)	346 (6.91)
LVA	33643	0.22	33570	493 (6.97)	492 (4.28)	487 (4.92)	450 (15.28)	411 (19.38)
LIE	338	.	338	522 (10.02)	529 (8.00)	518 (13.43)	. (.)	. (.)
MAC	6546	.	6546	535 (8.24)	531 (4.73)	510 (5.94)	. (.)	. (.)
RUS	2153373	0.02	2152991	510 (6.20)	497 (4.24)	478 (4.70)	501 (11.44)	389 (10.54)
YUG	68596	0.60	68187	434 (4.63)	442 (3.52)	440 (4.74)	449 (9.01)	388 (11.75)
THA	637076	.	637076	444 (4.12)	427 (2.67)	420 (4.69)	424 (13.30)	408 (13.12)
TUN	150875	0.09	150739	397 (3.46)	387 (2.92)	382 (4.38)	376 (6.94)	302 (8.17)
URY	33775	0.21	33706	444 (4.59)	448 (3.08)	434 (6.53)	431 (10.91)	344 (6.55)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

When we work on a project in Mathematics, I think that it is a good idea to combine the ideas of all the students in a group.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	529 (3.64)	536 (1.91)	524 (3.50)	506 (6.94)	446 (10.08)
AUT	85931	1.08	85003	510 (4.17)	515 (3.74)	494 (4.40)	499 (7.22)	486 (13.61)
BEL	111831	1.79	109825	517 (4.46)	545 (2.32)	521 (3.77)	479 (7.90)	409 (10.89)
CAN	330436	9.70	298375	532 (2.62)	536 (1.88)	531 (2.26)	520 (5.84)	500 (7.70)
CZE	121183	4.06	116258	520 (4.77)	526 (3.10)	513 (4.90)	508 (13.29)	439 (38.64)
DNK	51741	0.65	51406	526 (4.57)	520 (2.56)	517 (4.12)	487 (11.13)	443 (12.26)
FIN	57884	0.07	57845	567 (5.04)	554 (2.07)	535 (2.91)	521 (6.43)	539 (13.58)
FRA	734579	0.87	728167	519 (4.01)	531 (2.92)	513 (5.25)	463 (7.79)	442 (12.49)
DEU	884358	5.57	835070	514 (4.97)	527 (3.46)	521 (4.01)	507 (6.70)	413 (13.73)
GRC	105131	0.13	104991	451 (5.47)	453 (4.20)	449 (4.85)	422 (8.46)	358 (15.57)
HUN	107044	0.06	106984	515 (4.71)	503 (3.16)	489 (3.93)	480 (9.22)	415 (16.25)
ISL	3928	0.63	3903	511 (3.77)	513 (2.01)	493 (3.15)	482 (6.91)	407 (17.30)
IRL	54850	1.03	54285	494 (4.40)	505 (2.63)	497 (3.48)	472 (5.86)	426 (11.43)
ITA	481521	0.39	479622	458 (4.74)	475 (2.96)	470 (5.50)	478 (7.72)	369 (20.85)
JPN	1240054	0.10	1238855	543 (8.73)	556 (4.48)	554 (4.17)	515 (6.64)	460 (29.43)
KOR	533504	0.08	533080	589 (6.68)	571 (3.27)	532 (3.21)	508 (5.04)	475 (23.18)
LUX	4080	0.08	4077	485 (3.26)	498 (2.29)	502 (3.22)	494 (4.63)	435 (10.66)
MEX	1071650	0.37	1067674	390 (5.41)	393 (3.91)	391 (6.12)	380 (12.61)	294 (6.79)
NLD	184943	3.32	178808	518 (5.79)	534 (2.88)	510 (5.16)	466 (11.74)	452 (10.25)
NZL	48638	2.01	47659	533 (4.57)	538 (2.33)	531 (3.75)	514 (11.18)	475 (23.66)
NOR	52816	0.77	52407	496 (4.02)	502 (3.01)	474 (4.30)	431 (8.43)	450 (11.39)
POL	534900	.	534900	495 (3.62)	487 (2.87)	482 (5.73)	489 (13.18)	349 (27.52)
PRT	96857	0.23	96637	481 (4.53)	475 (3.87)	443 (6.56)	421 (13.36)	411 (14.68)
SVK	77067	0.03	77043	493 (4.23)	496 (3.18)	472 (6.67)	451 (21.06)	416 (34.02)
ESP	344372	0.07	344114	478 (4.96)	490 (2.88)	480 (4.20)	443 (7.26)	398 (12.60)
SWE	107104	0.23	106861	531 (4.15)	512 (2.50)	483 (4.23)	464 (9.36)	435 (14.51)
CHE	86491	0.14	86370	524 (3.62)	530 (3.23)	508 (4.42)	506 (9.78)	443 (12.24)
TUR	481279	0.03	481137	420 (7.00)	419 (7.02)	404 (5.34)	390 (8.06)	328 (7.09)
GBR	698579	3.72	672605	516 (4.20)	516 (2.89)	497 (3.46)	475 (9.97)	435 (11.44)
USA	3147089	0.76	3123066	478 (4.51)	482 (3.11)	474 (5.12)	476 (8.81)	390 (12.71)
TOT	.	1.36	.	483 (1.96)	495 (1.19)	499 (1.54)	486 (3.18)	375 (4.99)
AVG	.	1.28	.	498 (1.05)	507 (0.63)	500 (0.85)	481 (1.48)	406 (2.97)
HKG	72484	0.21	72334	551 (7.02)	557 (3.78)	537 (5.14)	500 (10.69)	. (.)
IDN	1971476	0.02	1971153	351 (4.16)	367 (3.28)	365 (5.16)	349 (12.02)	299 (5.71)
LVA	33643	0.22	33570	486 (7.04)	485 (4.14)	480 (5.02)	453 (13.71)	397 (19.53)
LIE	338	.	338	525 (10.21)	537 (6.21)	514 (13.65)	. (.)	. (.)
MAC	6546	.	6546	533 (7.20)	537 (3.74)	523 (5.18)	. (.)	. (.)
RUS	2153373	0.02	2152991	496 (7.30)	486 (4.60)	470 (5.06)	486 (14.37)	375 (10.22)
YUG	68596	0.60	68187	419 (4.60)	430 (3.34)	427 (5.49)	416 (7.07)	340 (10.92)
THA	637076	.	637076	441 (4.62)	423 (2.79)	411 (4.31)	396 (12.67)	407 (15.05)
TUN	150875	0.09	150739	352 (3.04)	349 (2.55)	337 (4.64)	330 (7.76)	295 (6.17)
URY	33775	0.21	33706	412 (5.28)	423 (3.65)	410 (7.49)	402 (10.89)	303 (6.54)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I make a real effort in Mathematics because I want to be one of the best.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.39	234674	15.68	(0.37)	42.37	(0.50)	36.32	(0.52)	3.75	(0.25)	1.88	(0.18)
AUT	85931	1.08	85003	12.93	(0.56)	31.86	(0.86)	39.35	(0.92)	14.15	(0.70)	1.71	(0.75)
BEL	111831	1.79	109825	7.08	(0.35)	27.04	(0.60)	51.42	(0.67)	10.27	(0.37)	4.19	(0.55)
CAN	330436	9.70	298375	16.67	(0.42)	40.33	(0.52)	36.27	(0.55)	4.67	(0.23)	2.06	(0.17)
CZE	121183	4.06	116258	7.93	(0.38)	32.54	(0.77)	53.25	(0.85)	5.19	(0.38)	1.09	(0.34)
DNK	51741	0.65	51406	12.37	(0.52)	34.77	(0.91)	43.07	(0.78)	6.70	(0.37)	3.09	(0.35)
FIN	57884	0.07	57845	8.51	(0.41)	39.36	(0.72)	42.52	(0.76)	8.31	(0.45)	1.30	(0.16)
FRA	734579	0.87	728167	10.47	(0.60)	32.30	(0.76)	45.13	(0.82)	9.92	(0.52)	2.18	(0.28)
DEU	884358	5.57	835070	19.93	(0.55)	31.81	(0.75)	36.20	(0.85)	9.86	(0.55)	2.21	(0.39)
GRC	105131	0.13	104991	15.88	(0.55)	42.34	(0.72)	34.33	(0.68)	5.13	(0.39)	2.32	(0.43)
HUN	107044	0.06	106984	3.84	(0.30)	18.82	(0.54)	64.49	(0.71)	11.73	(0.49)	1.12	(0.16)
ISL	3928	0.63	3903	19.52	(0.69)	39.81	(0.89)	33.59	(0.92)	5.80	(0.39)	1.29	(0.20)
IRL	54850	1.03	54285	13.20	(0.69)	41.55	(0.93)	39.14	(0.88)	4.30	(0.33)	1.81	(0.27)
ITA	481521	0.39	479622	13.73	(0.50)	39.00	(0.94)	40.03	(0.90)	5.73	(0.39)	1.51	(0.20)
JPN	1240054	0.10	1238855	5.46	(0.36)	15.09	(0.64)	54.53	(0.89)	24.04	(0.85)	0.87	(0.33)
KOR	533504	0.08	533080	5.93	(0.35)	22.68	(0.67)	60.02	(0.82)	11.03	(0.52)	0.34	(.)
LUX	4080	0.08	4077	18.61	(0.63)	32.01	(0.84)	35.70	(0.82)	10.54	(0.45)	3.14	(0.26)
MEX	1071650	0.37	1067674	24.95	(0.82)	50.60	(0.88)	15.69	(0.71)	1.55	(0.20)	7.21	(0.67)
NLD	184943	3.32	178808	2.73	(0.27)	16.48	(0.88)	65.31	(1.02)	12.43	(0.71)	3.04	(0.46)
NZL	48638	1.99	47669	12.19	(0.55)	41.72	(0.84)	40.97	(0.96)	4.32	(0.34)	0.79	(0.15)
NOR	52816	0.77	52407	8.91	(0.43)	26.75	(0.78)	47.34	(1.01)	13.51	(0.60)	3.49	(0.47)
POL	534900	.	534900	9.73	(0.52)	42.46	(0.87)	43.09	(0.80)	3.49	(0.28)	1.24	(0.20)
PRT	96857	0.23	96637	9.70	(0.52)	36.11	(0.78)	44.87	(0.83)	7.48	(0.41)	1.84	(0.33)
SVK	77067	0.03	77043	8.52	(0.46)	38.54	(0.65)	47.65	(0.83)	3.65	(0.31)	1.64	(0.52)
ESP	344372	0.07	344114	11.41	(0.51)	37.09	(0.61)	41.79	(0.69)	7.90	(0.39)	1.81	(0.27)
SWE	107104	0.23	106861	11.04	(0.61)	30.67	(0.79)	47.42	(0.86)	8.62	(0.48)	2.25	(0.25)
CHE	86491	0.14	86370	10.00	(0.54)	29.18	(0.64)	43.96	(0.83)	14.44	(0.52)	2.41	(0.29)
TUR	481279	0.03	481137	26.57	(1.10)	42.62	(0.94)	19.68	(0.76)	3.62	(0.35)	7.51	(0.84)
GBR	698579	3.72	672605	13.39	(0.53)	43.23	(0.79)	37.73	(0.72)	3.51	(0.30)	2.15	(0.21)
USA	3147089	0.76	3123066	20.14	(0.60)	46.81	(0.68)	27.78	(0.67)	3.02	(0.25)	2.25	(0.31)
TOT	.	1.36	.	15.27	(0.21)	37.60	(0.26)	37.17	(0.26)	7.39	(0.14)	2.56	(0.11)
AVG	.	1.28	.	12.56	(0.10)	34.86	(0.15)	42.29	(0.15)	7.97	(0.08)	2.33	(0.07)
HKG	72484	0.21	72334	11.14	(0.53)	41.42	(0.88)	42.02	(0.99)	5.07	(0.37)	0.36	(.)
IDN	1971476	0.02	1971153	22.34	(0.81)	62.29	(0.79)	10.63	(0.59)	0.44	(0.12)	4.29	(0.48)
LVA	33643	0.22	33570	3.44	(0.30)	31.92	(1.06)	59.43	(1.16)	4.00	(0.29)	1.22	(0.22)
LIE	338	.	338	10.63	(1.65)	34.90	(2.75)	41.22	(2.64)	12.06	(1.78)	1.21	(.)
MAC	6546	.	6546	8.19	(0.82)	35.20	(1.70)	52.04	(1.61)	4.28	(0.56)	0.29	(.)
RUS	2153373	0.02	2152991	5.85	(0.39)	36.42	(0.90)	52.12	(0.92)	3.13	(0.31)	2.47	(0.30)
YUG	68596	0.60	68187	8.95	(0.52)	26.43	(0.84)	47.80	(1.10)	9.66	(0.66)	7.15	(0.90)
THA	637076	.	637076	11.99	(0.52)	59.66	(0.78)	25.85	(0.65)	1.47	(0.18)	1.05	(0.17)
TUN	150875	0.09	150739	40.86	(0.88)	34.59	(0.72)	15.46	(0.61)	4.04	(0.30)	5.05	(0.35)
URY	33775	0.17	33719	12.04	(0.61)	32.30	(0.81)	42.01	(0.91)	7.03	(0.41)	6.62	(0.53)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I make a real effort in Mathematics because I want to be one of the best.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	541 (3.15)	525 (2.50)	527 (2.44)	512 (5.47)	423 (8.09)
AUT	85931	1.08	85003	475 (5.21)	480 (4.58)	504 (3.65)	516 (5.34)	449 (34.90)
BEL	111831	1.79	109825	477 (6.61)	505 (4.04)	529 (2.21)	516 (6.23)	356 (17.88)
CAN	330436	9.70	298375	545 (2.97)	530 (2.01)	531 (1.90)	514 (5.56)	485 (8.92)
CZE	121183	4.06	116258	503 (5.62)	499 (3.31)	495 (3.11)	496 (7.51)	407 (31.28)
DNK	51741	0.65	51406	510 (4.92)	497 (3.53)	492 (2.76)	482 (7.28)	404 (13.50)
FIN	57884	0.07	57845	566 (4.68)	547 (2.09)	539 (2.18)	532 (4.15)	503 (15.48)
FRA	734579	0.87	728167	476 (6.49)	494 (3.69)	509 (2.90)	495 (5.39)	404 (12.44)
DEU	884358	5.57	835070	484 (5.08)	500 (4.13)	517 (3.98)	512 (6.21)	362 (12.66)
GRC	105131	0.13	104991	488 (5.77)	476 (4.63)	473 (4.14)	452 (8.48)	327 (17.53)
HUN	107044	0.06	106984	465 (9.69)	480 (4.08)	482 (2.56)	497 (5.17)	385 (22.47)
ISL	3928	0.63	3903	501 (4.03)	495 (2.77)	491 (2.67)	475 (8.71)	374 (20.71)
IRL	54850	1.03	54285	520 (5.91)	513 (3.39)	521 (2.74)	502 (7.70)	418 (19.06)
ITA	481521	0.39	479622	463 (6.40)	474 (3.42)	484 (3.28)	481 (7.49)	386 (17.10)
JPN	1240054	0.10	1238855	499 (8.20)	516 (5.16)	507 (4.07)	474 (5.86)	336 (36.98)
KOR	533504	0.08	533080	567 (5.91)	559 (3.90)	528 (3.13)	503 (4.71)	. (.)
LUX	4080	0.08	4077	469 (4.72)	476 (2.68)	495 (2.13)	489 (5.31)	372 (10.76)
MEX	1071650	0.37	1067674	408 (5.38)	407 (3.63)	411 (5.75)	374 (15.54)	302 (7.76)
NLD	184943	3.32	178808	485 (9.95)	497 (4.75)	524 (3.12)	526 (5.06)	487 (8.17)
NZL	48638	1.99	47669	528 (5.89)	518 (3.24)	532 (2.74)	507 (9.27)	446 (24.13)
NOR	52816	0.77	52407	514 (6.79)	510 (3.90)	504 (3.25)	477 (4.86)	426 (13.05)
POL	534900	.	534900	502 (5.76)	494 (3.27)	501 (3.34)	498 (8.95)	368 (17.78)
PRT	96857	0.23	96637	486 (6.30)	474 (4.87)	481 (3.50)	477 (6.93)	439 (15.74)
SVK	77067	0.03	77043	473 (6.53)	470 (3.61)	473 (3.41)	455 (7.86)	375 (25.23)
ESP	344372	0.07	344114	489 (4.42)	485 (3.21)	485 (2.64)	447 (6.52)	373 (13.45)
SWE	107104	0.23	106861	528 (5.75)	517 (4.19)	516 (2.62)	498 (6.22)	449 (15.83)
CHE	86491	0.14	86370	470 (5.55)	488 (3.97)	510 (3.19)	520 (8.14)	424 (12.46)
TUR	481279	0.03	481137	457 (6.84)	446 (6.46)	440 (6.44)	421 (8.46)	369 (7.37)
GBR	698579	3.72	672605	505 (5.12)	505 (2.94)	516 (3.07)	493 (7.80)	409 (11.36)
USA	3147089	0.76	3123066	503 (4.66)	495 (3.15)	503 (3.73)	477 (10.19)	381 (13.74)
TOT	.	1.36	.	484 (2.15)	486 (1.49)	503 (1.04)	484 (2.75)	365 (4.83)
AVG	.	1.28	.	492 (1.24)	493 (0.83)	504 (0.62)	493 (1.35)	390 (3.38)
HKG	72484	0.21	72334	522 (4.66)	512 (3.80)	511 (4.03)	472 (8.62)	. (.)
IDN	1971476	0.02	1971153	383 (4.27)	385 (3.26)	385 (6.94)	328 (21.29)	313 (8.60)
LVA	33643	0.22	33570	493 (9.39)	491 (4.73)	492 (3.85)	484 (8.23)	418 (19.71)
LIE	338	.	338	475 (17.23)	519 (7.91)	536 (7.11)	549 (15.53)	. (.)
MAC	6546	.	6546	499 (7.99)	499 (4.21)	497 (3.27)	494 (12.48)	. (.)
RUS	2153373	0.02	2152991	451 (6.03)	448 (4.60)	442 (4.14)	443 (9.24)	340 (9.93)
YUG	68596	0.60	68187	399 (6.26)	413 (4.90)	422 (3.25)	425 (5.43)	345 (11.93)
THA	637076	.	637076	427 (4.66)	414 (2.83)	430 (4.24)	454 (11.81)	370 (14.35)
TUN	150875	0.09	150739	377 (4.12)	378 (3.28)	388 (4.70)	378 (8.61)	290 (7.37)
URY	33775	0.17	33719	423 (6.27)	433 (5.54)	451 (3.67)	451 (7.74)	336 (8.08)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I make a real effort in Mathematics because I want to be one of the best.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	551 (3.30)	527 (2.50)	518 (2.31)	491 (4.67)	436 (8.33)
AUT	85931	1.08	85003	503 (4.82)	499 (3.85)	513 (3.35)	520 (5.76)	457 (18.76)
BEL	111831	1.79	109825	508 (5.86)	528 (3.62)	550 (2.21)	533 (5.28)	390 (15.70)
CAN	330436	9.70	298375	562 (3.07)	535 (2.18)	530 (1.97)	511 (5.18)	496 (9.72)
CZE	121183	4.06	116258	546 (5.87)	532 (3.65)	515 (3.66)	513 (7.57)	436 (30.84)
DNK	51741	0.65	51406	560 (5.04)	528 (3.70)	502 (2.61)	475 (6.90)	443 (12.39)
FIN	57884	0.07	57845	595 (5.89)	554 (2.16)	533 (2.08)	510 (4.26)	503 (12.45)
FRA	734579	0.87	728167	503 (5.90)	514 (3.50)	519 (2.83)	501 (5.44)	428 (11.66)
DEU	884358	5.57	835070	511 (5.29)	514 (4.20)	517 (3.69)	506 (6.44)	398 (10.77)
GRC	105131	0.13	104991	475 (4.71)	450 (4.46)	434 (3.78)	420 (7.30)	366 (12.52)
HUN	107044	0.06	106984	496 (10.13)	495 (4.27)	489 (2.88)	493 (5.56)	403 (19.84)
ISL	3928	0.63	3903	541 (3.46)	520 (2.45)	505 (2.30)	475 (7.72)	445 (18.14)
IRL	54850	1.03	54285	519 (5.30)	505 (3.16)	502 (2.75)	473 (7.01)	418 (14.97)
ITA	481521	0.39	479622	469 (5.72)	466 (3.35)	468 (3.63)	464 (5.58)	388 (13.15)
JPN	1240054	0.10	1238855	553 (7.76)	562 (5.21)	542 (4.23)	499 (5.26)	425 (23.99)
KOR	533504	0.08	533080	598 (6.60)	580 (4.38)	532 (3.15)	495 (4.38)	. (.)
LUX	4080	0.08	4077	491 (3.83)	489 (2.29)	502 (1.99)	500 (4.54)	432 (8.38)
MEX	1071650	0.37	1067674	399 (4.64)	390 (3.18)	390 (5.07)	353 (11.32)	304 (6.94)
NLD	184943	3.32	178808	521 (11.38)	531 (4.76)	550 (3.34)	543 (4.94)	478 (7.27)
NZL	48638	1.99	47669	546 (5.41)	525 (3.07)	525 (2.32)	495 (9.05)	449 (19.23)
NOR	52816	0.77	52407	530 (5.87)	513 (3.33)	494 (2.93)	460 (4.65)	425 (10.43)
POL	534900	.	534900	515 (5.32)	493 (2.99)	486 (3.02)	481 (7.28)	388 (13.56)
PRT	96857	0.23	96637	497 (6.40)	468 (3.98)	463 (3.06)	450 (6.80)	423 (14.37)
SVK	77067	0.03	77043	510 (6.69)	503 (3.84)	497 (3.56)	478 (7.38)	422 (24.78)
ESP	344372	0.07	344114	502 (4.39)	493 (3.20)	484 (2.58)	449 (4.71)	392 (11.75)
SWE	107104	0.23	106861	545 (6.04)	518 (4.17)	504 (2.35)	479 (4.98)	441 (12.46)
CHE	86491	0.14	86370	512 (5.18)	520 (3.41)	531 (3.63)	546 (8.53)	468 (12.23)
TUR	481279	0.03	481137	445 (7.49)	429 (7.71)	417 (7.22)	401 (9.44)	343 (6.65)
GBR	698579	3.72	672605	523 (4.83)	510 (2.83)	508 (3.20)	482 (7.28)	415 (10.61)
USA	3147089	0.76	3123066	496 (4.38)	482 (2.94)	486 (3.64)	462 (8.36)	403 (12.84)
TOT	.	1.36	.	489 (2.06)	485 (1.42)	503 (1.03)	488 (2.32)	378 (4.66)
AVG	.	1.28	.	508 (1.25)	500 (0.86)	506 (0.58)	493 (1.28)	405 (3.05)
HKG	72484	0.21	72334	575 (6.13)	555 (4.72)	547 (4.75)	497 (10.30)	. (.)
IDN	1971476	0.02	1971153	362 (4.58)	364 (3.87)	362 (7.88)	303 (19.07)	294 (7.05)
LVA	33643	0.22	33570	508 (9.90)	485 (4.79)	483 (3.73)	476 (9.28)	433 (16.84)
LIE	338	.	338	486 (19.90)	537 (7.88)	543 (8.50)	547 (18.54)	. (.)
MAC	6546	.	6546	524 (11.32)	530 (5.45)	526 (4.22)	528 (15.53)	. (.)
RUS	2153373	0.02	2152991	491 (7.63)	476 (4.90)	465 (4.27)	463 (9.33)	380 (7.72)
YUG	68596	0.60	68187	433 (7.10)	445 (4.80)	443 (3.65)	439 (5.08)	368 (9.85)
THA	637076	.	637076	427 (4.71)	413 (3.09)	423 (3.83)	436 (12.08)	374 (13.76)
TUN	150875	0.09	150739	368 (3.09)	358 (2.99)	357 (3.73)	340 (6.22)	306 (6.36)
URY	33775	0.17	33719	422 (5.52)	426 (4.38)	432 (3.57)	432 (8.22)	333 (6.85)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I make a real effort in Mathematics because I want to be one of the best.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	548 (3.35)	526 (2.55)	522 (2.38)	502 (6.01)	435 (8.12)
AUT	85931	1.08	85003	479 (4.85)	482 (4.22)	501 (3.49)	512 (5.80)	444 (24.49)
BEL	111831	1.79	109825	483 (6.28)	507 (3.73)	529 (2.22)	517 (5.78)	365 (14.90)
CAN	330436	9.70	298375	542 (3.04)	521 (2.47)	521 (2.25)	507 (6.08)	472 (10.51)
CZE	121183	4.06	116258	543 (6.23)	535 (3.55)	524 (3.59)	526 (8.51)	435 (35.96)
DNK	51741	0.65	51406	510 (5.66)	487 (3.77)	467 (3.02)	452 (7.91)	381 (14.12)
FIN	57884	0.07	57845	591 (6.21)	555 (2.46)	539 (2.27)	524 (5.24)	518 (15.31)
FRA	734579	0.87	728167	498 (7.24)	511 (4.39)	522 (3.39)	504 (6.45)	422 (17.09)
DEU	884358	5.57	835070	506 (5.37)	512 (4.62)	520 (4.12)	514 (6.79)	379 (12.46)
GRC	105131	0.13	104991	502 (5.78)	485 (4.38)	475 (3.80)	463 (8.40)	392 (13.65)
HUN	107044	0.06	106984	500 (9.16)	504 (4.40)	503 (2.77)	516 (6.02)	412 (20.25)
ISL	3928	0.63	3903	515 (3.93)	499 (2.66)	489 (2.64)	462 (9.05)	408 (18.69)
IRL	54850	1.03	54285	520 (6.28)	504 (3.34)	507 (3.13)	483 (8.21)	431 (15.43)
ITA	481521	0.39	479622	487 (6.12)	484 (3.51)	491 (3.68)	491 (6.87)	399 (15.13)
JPN	1240054	0.10	1238855	553 (9.05)	570 (5.68)	555 (4.39)	521 (5.65)	408 (28.01)
KOR	533504	0.08	533080	586 (7.40)	571 (4.97)	529 (3.64)	501 (5.16)	. (.)
LUX	4080	0.08	4077	475 (4.31)	477 (2.84)	495 (2.65)	496 (5.49)	399 (10.72)
MEX	1071650	0.37	1067674	417 (4.51)	408 (3.05)	410 (5.21)	379 (10.80)	335 (7.49)
NLD	184943	3.32	178808	500 (12.72)	513 (5.47)	535 (3.59)	533 (5.39)	466 (9.78)
NZL	48638	1.99	47669	531 (5.85)	519 (3.48)	527 (2.75)	505 (8.82)	443 (21.20)
NOR	52816	0.77	52407	511 (6.74)	498 (4.24)	486 (3.28)	458 (4.90)	397 (12.16)
POL	534900	.	534900	518 (5.94)	498 (3.50)	496 (3.46)	501 (10.03)	410 (14.69)
PRT	96857	0.23	96637	489 (7.07)	467 (4.15)	467 (3.49)	463 (6.47)	404 (13.33)
SVK	77067	0.03	77043	502 (7.68)	495 (4.87)	498 (3.69)	484 (7.86)	397 (22.95)
ESP	344372	0.07	344114	500 (4.61)	494 (3.34)	489 (2.63)	452 (6.66)	372 (16.85)
SWE	107104	0.23	106861	538 (6.39)	512 (4.48)	504 (3.17)	479 (6.98)	432 (14.95)
CHE	86491	0.14	86370	492 (6.39)	505 (4.00)	521 (3.66)	531 (10.60)	456 (12.08)
TUR	481279	0.03	481137	451 (6.95)	438 (6.88)	429 (6.59)	419 (8.53)	372 (6.53)
GBR	698579	3.72	672605	525 (5.46)	519 (3.10)	523 (3.28)	500 (7.77)	403 (11.27)
USA	3147089	0.76	3123066	501 (4.57)	489 (3.16)	498 (3.80)	487 (9.74)	384 (15.97)
TOT	.	1.36	.	493 (2.01)	491 (1.43)	511 (1.12)	503 (2.56)	381 (4.36)
AVG	.	1.28	.	502 (1.25)	499 (0.83)	507 (0.60)	498 (1.41)	400 (2.97)
HKG	72484	0.21	72334	554 (5.45)	542 (4.46)	540 (4.74)	496 (9.69)	. (.)
IDN	1971476	0.02	1971153	399 (3.83)	397 (3.18)	398 (6.58)	359 (22.64)	350 (6.26)
LVA	33643	0.22	33570	509 (9.98)	492 (4.71)	488 (4.11)	481 (9.64)	428 (19.98)
LIE	338	.	338	474 (20.57)	524 (8.56)	535 (8.65)	537 (18.97)	. (.)
MAC	6546	.	6546	528 (10.54)	528 (6.33)	524 (4.10)	502 (17.31)	. (.)
RUS	2153373	0.02	2152991	506 (8.21)	497 (5.10)	487 (4.19)	487 (8.84)	390 (9.33)
YUG	68596	0.60	68187	426 (6.59)	440 (4.95)	442 (3.49)	448 (5.75)	392 (11.59)
THA	637076	.	637076	436 (4.42)	423 (2.83)	439 (3.88)	467 (11.77)	397 (14.16)
TUN	150875	0.09	150739	394 (2.97)	385 (3.05)	389 (3.71)	376 (6.51)	304 (9.37)
URY	33775	0.17	33719	438 (6.14)	441 (4.61)	449 (3.15)	448 (7.69)	352 (7.92)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I make a real effort in Mathematics because I want to be one of the best.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	551 (3.27)	531 (2.19)	526 (2.33)	505 (4.48)	446 (8.60)
AUT	85931	1.08	85003	500 (4.66)	498 (3.73)	515 (3.19)	524 (5.15)	451 (19.05)
BEL	111831	1.79	109825	503 (5.86)	523 (3.60)	544 (2.07)	527 (5.48)	404 (10.61)
CAN	330436	9.70	298375	556 (2.74)	533 (2.02)	529 (2.12)	511 (5.33)	493 (9.05)
CZE	121183	4.06	116258	542 (5.65)	531 (3.55)	517 (3.45)	514 (7.69)	433 (36.26)
DNK	51741	0.65	51406	555 (4.57)	528 (3.38)	508 (2.28)	486 (6.51)	438 (13.00)
FIN	57884	0.07	57845	592 (5.42)	556 (2.08)	537 (2.07)	521 (4.56)	534 (13.97)
FRA	734579	0.87	728167	510 (5.98)	520 (3.52)	529 (3.02)	509 (5.15)	435 (13.13)
DEU	884358	5.57	835070	514 (4.96)	520 (4.06)	527 (3.69)	518 (5.90)	407 (12.46)
GRC	105131	0.13	104991	470 (4.91)	454 (4.66)	442 (4.10)	424 (7.94)	356 (14.71)
HUN	107044	0.06	106984	501 (10.39)	506 (4.31)	500 (2.89)	505 (5.49)	425 (16.86)
ISL	3928	0.63	3903	527 (3.48)	508 (2.41)	497 (2.52)	474 (6.74)	423 (18.27)
IRL	54850	1.03	54285	509 (5.16)	500 (2.98)	499 (2.49)	472 (6.26)	411 (14.97)
ITA	481521	0.39	479622	470 (6.57)	470 (3.55)	473 (3.38)	470 (6.98)	370 (14.07)
JPN	1240054	0.10	1238855	561 (8.24)	573 (5.08)	555 (4.31)	516 (5.62)	405 (43.22)
KOR	533504	0.08	533080	591 (5.73)	580 (4.25)	543 (3.09)	514 (4.93)	. (.)
LUX	4080	0.08	4077	491 (4.30)	490 (2.66)	503 (2.15)	499 (4.74)	428 (9.16)
MEX	1071650	0.37	1067674	394 (5.50)	389 (4.07)	396 (5.88)	357 (13.89)	296 (7.79)
NLD	184943	3.32	178808	498 (11.81)	508 (4.58)	531 (3.39)	526 (5.40)	455 (9.78)
NZL	48638	1.99	47669	548 (5.02)	532 (2.83)	537 (2.68)	511 (9.44)	458 (18.11)
NOR	52816	0.77	52407	520 (6.87)	505 (3.87)	490 (2.99)	455 (4.85)	441 (11.17)
POL	534900	.	534900	505 (5.86)	488 (2.93)	485 (3.46)	480 (8.09)	366 (22.51)
PRT	96857	0.23	96637	493 (6.28)	472 (4.70)	469 (3.49)	454 (7.75)	407 (15.39)
SVK	77067	0.03	77043	500 (6.64)	496 (3.81)	491 (3.59)	469 (8.07)	423 (28.04)
ESP	344372	0.07	344114	494 (4.44)	489 (3.73)	484 (2.71)	449 (5.60)	396 (12.04)
SWE	107104	0.23	106861	533 (5.91)	517 (4.21)	506 (2.21)	483 (4.59)	453 (12.41)
CHE	86491	0.14	86370	505 (5.58)	515 (3.42)	528 (3.10)	540 (7.36)	442 (12.35)
TUR	481279	0.03	481137	426 (6.89)	414 (6.76)	403 (6.23)	390 (8.40)	328 (7.53)
GBR	698579	3.72	672605	516 (4.89)	510 (2.82)	513 (3.09)	485 (7.88)	428 (10.82)
USA	3147089	0.76	3123066	488 (4.60)	477 (3.09)	481 (3.80)	458 (9.31)	389 (12.74)
TOT	.	1.36	.	484 (2.19)	483 (1.47)	507 (1.07)	497 (2.56)	371 (4.75)
AVG	.	1.28	.	502 (1.23)	499 (0.84)	508 (0.61)	497 (1.28)	402 (3.08)
HKG	72484	0.21	72334	568 (5.44)	551 (4.43)	547 (4.45)	503 (9.97)	. (.)
IDN	1971476	0.02	1971153	361 (3.83)	366 (3.34)	366 (7.02)	309 (19.80)	300 (5.83)
LVA	33643	0.22	33570	499 (9.91)	483 (4.96)	483 (4.07)	480 (8.20)	415 (18.52)
LIE	338	.	338	483 (19.40)	527 (7.48)	538 (8.02)	544 (16.68)	. (.)
MAC	6546	.	6546	516 (10.55)	533 (5.03)	534 (4.20)	539 (15.02)	. (.)
RUS	2153373	0.02	2152991	497 (7.86)	486 (5.00)	477 (4.76)	473 (8.27)	374 (10.71)
YUG	68596	0.60	68187	412 (7.26)	426 (4.42)	430 (3.42)	422 (5.49)	345 (10.62)
THA	637076	.	637076	436 (5.58)	421 (2.96)	429 (3.60)	447 (11.01)	393 (18.48)
TUN	150875	0.09	150739	351 (2.72)	346 (2.78)	345 (3.85)	331 (6.23)	296 (6.01)
URY	33775	0.17	33719	405 (6.15)	413 (4.87)	424 (3.96)	425 (8.88)	310 (7.13)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I work with other students.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.39	234674	12.72 (0.57)	46.66 (0.56)	34.19 (0.59)	4.44 (0.23)	1.98 (0.18)
AUT	85931	1.08	85003	12.87 (0.53)	32.47 (0.81)	37.81 (0.77)	14.93 (0.65)	1.91 (0.76)
BEL	111831	1.79	109825	8.59 (0.33)	39.03 (0.67)	40.38 (0.69)	7.62 (0.32)	4.38 (0.53)
CAN	330436	9.70	298375	14.26 (0.36)	41.78 (0.52)	34.12 (0.53)	7.33 (0.28)	2.51 (0.19)
CZE	121183	4.06	116258	6.70 (0.36)	41.14 (0.81)	45.52 (0.86)	5.34 (0.36)	1.30 (0.35)
DNK	51741	0.65	51406	16.41 (0.65)	61.87 (0.90)	16.01 (0.69)	2.73 (0.28)	2.98 (0.31)
FIN	57884	0.07	57845	6.24 (0.33)	44.48 (0.81)	40.80 (0.83)	7.22 (0.40)	1.25 (0.17)
FRA	734579	0.87	728167	12.31 (0.60)	37.97 (0.84)	38.97 (0.78)	8.43 (0.50)	2.32 (0.25)
DEU	884358	5.57	835070	12.41 (0.46)	32.50 (0.70)	39.90 (0.64)	12.90 (0.56)	2.29 (0.37)
GRC	105131	0.13	104991	14.64 (0.63)	50.41 (0.84)	28.05 (0.84)	4.33 (0.28)	2.57 (0.43)
HUN	107044	0.06	106984	6.68 (0.39)	41.03 (0.80)	44.20 (0.82)	6.56 (0.35)	1.54 (0.20)
ISL	3928	0.63	3903	7.46 (0.54)	28.78 (0.78)	48.06 (0.82)	14.38 (0.58)	1.31 (0.23)
IRL	54850	1.03	54285	9.29 (0.44)	40.27 (0.80)	42.08 (0.79)	6.17 (0.41)	2.19 (0.28)
ITA	481521	0.39	479622	15.86 (0.58)	52.19 (0.60)	26.03 (0.56)	4.89 (0.32)	1.03 (0.16)
JPN	1240054	0.10	1238855	7.32 (0.38)	30.92 (0.80)	44.38 (0.80)	16.44 (0.68)	0.94 (0.33)
KOR	533504	0.06	533172	3.39 (0.25)	13.13 (0.48)	63.56 (0.76)	19.61 (0.75)	0.31 (.)
LUX	4080	0.08	4077	12.62 (0.50)	30.23 (0.79)	37.61 (0.75)	16.03 (0.54)	3.51 (0.30)
MEX	1071650	0.37	1067674	14.91 (0.52)	45.76 (0.74)	27.97 (0.65)	3.49 (0.26)	7.88 (0.67)
NLD	184943	3.32	178808	4.82 (0.42)	43.32 (0.91)	42.96 (0.91)	5.37 (0.44)	3.53 (0.46)
NZL	48638	2.01	47659	12.36 (0.52)	47.89 (0.79)	33.83 (0.69)	5.13 (0.30)	0.78 (0.14)
NOR	52816	0.77	52407	14.21 (0.60)	41.16 (0.85)	32.20 (0.80)	8.84 (0.54)	3.58 (0.46)
POL	534900	.	534900	9.71 (0.46)	53.51 (0.86)	31.17 (0.74)	4.30 (0.34)	1.30 (0.21)
PRT	96857	0.23	96637	14.75 (0.59)	61.99 (0.70)	18.33 (0.64)	3.31 (0.32)	1.61 (0.31)
SVK	77067	0.03	77043	11.57 (0.48)	55.75 (0.79)	28.06 (0.70)	2.92 (0.32)	1.70 (0.52)
ESP	344372	0.07	344114	10.88 (0.48)	45.89 (0.72)	35.03 (0.77)	6.12 (0.36)	2.07 (0.27)
SWE	107104	0.23	106861	6.13 (0.37)	29.23 (0.78)	49.35 (0.87)	12.83 (0.55)	2.46 (0.26)
CHE	86491	0.14	86370	12.53 (0.50)	35.52 (1.05)	39.01 (0.93)	10.47 (0.52)	2.48 (0.21)
TUR	481279	0.03	481137	18.43 (0.72)	42.21 (0.96)	25.08 (0.79)	5.76 (0.43)	8.53 (1.11)
GBR	698579	3.72	672605	12.24 (0.49)	49.95 (0.79)	31.36 (0.76)	4.29 (0.27)	2.17 (0.24)
USA	3147089	0.76	3123066	18.04 (0.59)	46.71 (0.84)	26.61 (0.77)	6.11 (0.45)	2.53 (0.32)
TOT	.	1.36	.	13.13 (0.19)	41.97 (0.30)	34.09 (0.28)	8.02 (0.17)	2.78 (0.11)
AVG	.	1.28	.	11.34 (0.09)	42.13 (0.18)	36.08 (0.16)	7.95 (0.10)	2.50 (0.07)
HKG	72484	0.21	72334	9.89 (0.60)	54.43 (0.77)	30.95 (0.69)	4.32 (0.39)	0.41 (.)
IDN	1971476	0.02	1971153	6.03 (0.34)	36.37 (0.64)	48.60 (0.86)	4.04 (0.34)	4.96 (0.52)
LVA	33643	0.22	33570	5.43 (0.43)	43.54 (0.87)	44.77 (0.89)	5.14 (0.45)	1.12 (0.19)
LIE	338	.	338	9.39 (1.64)	35.89 (2.63)	44.24 (2.58)	9.27 (1.35)	1.22 (.)
MAC	6546	.	6546	15.09 (1.15)	50.32 (1.73)	31.67 (1.77)	2.79 (0.52)	0.13 (.)
RUS	2153373	0.02	2152991	6.85 (0.45)	44.81 (0.94)	42.24 (0.84)	3.91 (0.31)	2.20 (0.30)
YUG	68596	0.60	68187	13.03 (0.58)	41.71 (0.76)	31.75 (0.84)	6.28 (0.46)	7.23 (0.89)
THA	637076	.	637076	11.23 (0.74)	65.18 (0.76)	21.53 (0.79)	0.79 (0.12)	1.26 (0.20)
TUN	150875	0.09	150739	23.58 (0.66)	37.39 (0.60)	25.41 (0.69)	7.37 (0.37)	6.24 (0.39)
URY	33775	0.18	33715	15.39 (0.67)	43.07 (0.85)	29.32 (0.82)	5.50 (0.36)	6.72 (0.58)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I work with other students.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	512 (4.27)	517 (2.29)	547 (2.48)	546 (5.82)	421 (8.69)
AUT	85931	1.08	85003	478 (4.79)	489 (4.26)	500 (3.96)	504 (5.69)	463 (27.60)
BEL	111831	1.79	109825	492 (5.39)	513 (2.87)	528 (2.73)	507 (6.50)	361 (17.69)
CAN	330436	9.70	298375	518 (2.82)	521 (1.91)	549 (1.72)	543 (4.24)	502 (7.51)
CZE	121183	4.06	116258	475 (5.23)	489 (3.17)	508 (3.30)	500 (6.76)	416 (26.79)
DNK	51741	0.65	51406	498 (4.27)	496 (2.70)	495 (4.53)	477 (11.33)	404 (14.83)
FIN	57884	0.07	57845	538 (5.77)	537 (1.96)	551 (2.15)	551 (5.45)	508 (16.00)
FRA	734579	0.87	728167	478 (5.32)	495 (3.63)	511 (3.18)	496 (6.26)	398 (11.95)
DEU	884358	5.57	835070	485 (6.51)	499 (4.32)	514 (3.76)	504 (5.19)	375 (15.62)
GRC	105131	0.13	104991	461 (5.22)	474 (4.20)	488 (4.77)	463 (8.34)	344 (16.83)
HUN	107044	0.06	106984	478 (5.29)	471 (2.87)	494 (2.91)	493 (6.37)	387 (18.61)
ISL	3928	0.63	3903	459 (6.46)	477 (3.45)	508 (2.25)	499 (4.31)	364 (21.88)
IRL	54850	1.03	54285	495 (5.22)	509 (2.98)	530 (3.18)	520 (6.46)	425 (15.05)
ITA	481521	0.39	479622	467 (4.95)	473 (3.17)	490 (3.47)	480 (7.73)	378 (16.86)
JPN	1240054	0.10	1238855	501 (6.29)	502 (4.44)	509 (4.35)	470 (6.61)	357 (33.27)
KOR	533504	0.06	533172	561 (7.85)	556 (4.05)	533 (3.26)	522 (3.89)	. (.)
LUX	4080	0.08	4077	460 (4.41)	473 (3.03)	494 (2.50)	492 (4.07)	384 (10.53)
MEX	1071650	0.37	1067674	395 (4.35)	406 (3.69)	416 (4.81)	423 (11.70)	304 (7.48)
NLD	184943	3.32	178808	499 (6.83)	517 (2.97)	523 (3.26)	510 (8.97)	492 (8.43)
NZL	48638	2.01	47659	511 (4.86)	514 (3.12)	543 (2.99)	535 (8.41)	446 (19.86)
NOR	52816	0.77	52407	488 (5.66)	497 (3.16)	521 (3.13)	490 (7.55)	428 (13.04)
POL	534900	.	534900	486 (5.53)	487 (3.06)	520 (3.37)	517 (8.79)	367 (17.98)
PRT	96857	0.23	96637	489 (4.60)	479 (4.04)	472 (4.75)	449 (9.16)	437 (18.03)
SVK	77067	0.03	77043	454 (4.97)	464 (3.36)	490 (3.53)	467 (13.38)	386 (21.55)
ESP	344372	0.07	344114	473 (4.77)	488 (2.99)	486 (3.30)	443 (7.35)	375 (13.52)
SWE	107104	0.23	106861	502 (8.00)	514 (3.91)	521 (2.63)	511 (4.85)	449 (15.57)
CHE	86491	0.14	86370	492 (6.58)	498 (3.52)	506 (3.10)	502 (8.57)	431 (10.98)
TUR	481279	0.03	481137	442 (6.57)	444 (5.10)	459 (7.74)	445 (10.69)	371 (7.20)
GBR	698579	3.72	672605	492 (4.49)	501 (2.83)	525 (4.01)	513 (9.50)	424 (10.99)
USA	3147089	0.76	3123066	485 (4.60)	491 (3.04)	517 (4.24)	519 (7.50)	381 (12.96)
TOT	.	1.36	.	475 (2.00)	484 (1.28)	507 (1.30)	496 (2.47)	368 (4.92)
AVG	.	1.28	.	481 (1.07)	491 (0.72)	511 (0.69)	500 (1.26)	395 (3.60)
HKG	72484	0.21	72334	519 (4.75)	514 (3.38)	509 (4.62)	461 (10.22)	. (.)
IDN	1971476	0.02	1971153	360 (5.91)	379 (3.29)	393 (3.50)	387 (8.60)	314 (8.76)
LVA	33643	0.22	33570	482 (8.17)	484 (4.26)	499 (4.24)	495 (8.77)	414 (18.91)
LIE	338	.	338	505 (17.69)	510 (7.20)	537 (6.08)	550 (15.73)	. (.)
MAC	6546	.	6546	501 (6.77)	497 (2.75)	500 (4.75)	477 (13.76)	. (.)
RUS	2153373	0.02	2152991	439 (6.09)	447 (4.06)	442 (4.45)	449 (9.58)	341 (10.70)
YUG	68596	0.60	68187	399 (5.62)	410 (3.48)	431 (3.96)	434 (6.99)	348 (11.59)
THA	637076	.	637076	433 (5.20)	418 (2.93)	421 (3.62)	440 (13.29)	376 (13.32)
TUN	150875	0.09	150739	368 (4.43)	379 (3.50)	389 (3.80)	386 (5.56)	305 (7.04)
URY	33775	0.18	33715	411 (7.24)	433 (3.71)	465 (5.10)	456 (9.74)	338 (8.54)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I work with other students.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	512 (3.72)	513 (2.10)	547 (2.49)	548 (5.58)	432 (8.18)
AUT	85931	1.08	85003	488 (4.27)	503 (4.02)	516 (3.36)	516 (5.19)	471 (14.91)
BEL	111831	1.79	109825	506 (4.82)	535 (2.65)	552 (2.72)	534 (6.23)	393 (15.40)
CAN	330436	9.70	298375	522 (2.65)	523 (1.87)	555 (1.87)	554 (4.18)	505 (7.15)
CZE	121183	4.06	116258	501 (5.33)	511 (3.74)	537 (3.54)	529 (7.24)	448 (27.84)
DNK	51741	0.65	51406	525 (4.81)	515 (2.70)	519 (4.24)	494 (11.66)	440 (12.12)
FIN	57884	0.07	57845	538 (4.95)	536 (2.11)	554 (2.29)	554 (6.51)	503 (13.33)
FRA	734579	0.87	728167	491 (4.86)	507 (3.05)	528 (3.04)	513 (6.55)	426 (10.35)
DEU	884358	5.57	835070	503 (6.34)	511 (4.07)	521 (3.77)	509 (4.92)	406 (13.54)
GRC	105131	0.13	104991	434 (5.46)	442 (3.92)	463 (4.73)	446 (7.43)	371 (12.10)
HUN	107044	0.06	106984	478 (6.01)	478 (3.19)	504 (3.29)	508 (6.50)	399 (16.80)
ISL	3928	0.63	3903	486 (5.26)	499 (2.94)	531 (2.14)	518 (4.19)	422 (16.44)
IRL	54850	1.03	54285	486 (4.92)	494 (2.91)	518 (2.98)	505 (6.92)	429 (12.90)
ITA	481521	0.39	479622	448 (4.83)	462 (3.14)	485 (3.71)	483 (6.55)	392 (14.65)
JPN	1240054	0.10	1238855	535 (5.78)	534 (4.68)	547 (4.54)	505 (6.10)	437 (24.98)
KOR	533504	0.06	533172	599 (7.69)	583 (4.65)	541 (3.38)	511 (3.80)	. (.)
LUX	4080	0.08	4077	468 (4.01)	483 (2.41)	508 (2.08)	510 (3.00)	440 (8.22)
MEX	1071650	0.37	1067674	384 (4.09)	391 (3.19)	397 (4.82)	406 (9.65)	305 (6.83)
NLD	184943	3.32	178808	523 (7.32)	543 (2.93)	551 (3.53)	531 (9.11)	487 (7.70)
NZL	48638	2.01	47659	511 (5.07)	516 (2.57)	545 (2.74)	536 (7.32)	448 (18.12)
NOR	52816	0.77	52407	473 (5.01)	489 (3.09)	520 (2.86)	500 (7.23)	429 (9.57)
POL	534900	.	534900	478 (4.96)	477 (2.68)	518 (3.04)	515 (8.15)	379 (13.66)
PRT	96857	0.23	96637	484 (5.46)	467 (3.32)	458 (4.19)	430 (10.20)	430 (13.53)
SVK	77067	0.03	77043	473 (5.13)	491 (3.44)	525 (3.80)	516 (13.88)	423 (23.25)
ESP	344372	0.07	344114	485 (4.58)	492 (2.60)	489 (2.91)	448 (4.97)	399 (11.59)
SWE	107104	0.23	106861	497 (7.29)	507 (3.57)	516 (3.04)	504 (5.23)	453 (13.34)
CHE	86491	0.14	86370	521 (5.93)	524 (3.48)	534 (3.43)	529 (7.58)	470 (9.83)
TUR	481279	0.03	481137	426 (7.14)	425 (6.12)	442 (8.85)	440 (9.91)	343 (6.47)
GBR	698579	3.72	672605	497 (4.57)	500 (2.71)	529 (3.75)	514 (9.31)	435 (10.13)
USA	3147089	0.76	3123066	471 (4.18)	476 (2.84)	506 (3.62)	511 (7.78)	398 (11.39)
TOT	.	1.36	.	473 (1.97)	482 (1.20)	512 (1.08)	503 (2.46)	379 (4.54)
AVG	.	1.28	.	483 (1.15)	493 (0.72)	520 (0.69)	508 (1.20)	408 (3.12)
HKG	72484	0.21	72334	566 (5.87)	555 (4.46)	547 (5.35)	489 (10.86)	. (.)
IDN	1971476	0.02	1971153	337 (6.56)	357 (4.05)	372 (4.27)	364 (8.56)	296 (6.66)
LVA	33643	0.22	33570	471 (6.62)	475 (4.36)	495 (4.29)	490 (10.27)	413 (17.33)
LIE	338	.	338	516 (16.60)	523 (7.95)	546 (7.66)	550 (18.55)	. (.)
MAC	6546	.	6546	528 (8.24)	528 (4.39)	529 (6.27)	506 (15.57)	. (.)
RUS	2153373	0.02	2152991	470 (5.49)	472 (3.94)	469 (5.03)	474 (9.24)	378 (8.83)
YUG	68596	0.60	68187	423 (5.77)	433 (3.63)	461 (4.15)	452 (6.85)	368 (9.80)
THA	637076	.	637076	430 (6.00)	415 (3.10)	418 (3.48)	418 (16.73)	380 (11.37)
TUN	150875	0.09	150739	365 (3.76)	364 (3.25)	362 (2.81)	350 (4.91)	303 (5.86)
URY	33775	0.18	33715	400 (5.28)	419 (3.51)	454 (4.17)	453 (8.73)	331 (7.03)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I work with other students.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	511 (3.37)	514 (2.22)	548 (2.50)	553 (5.83)	431 (8.23)
AUT	85931	1.08	85003	475 (4.69)	488 (4.55)	500 (3.73)	505 (5.27)	457 (18.38)
BEL	111831	1.79	109825	489 (4.79)	513 (2.71)	529 (2.80)	514 (6.41)	371 (14.98)
CAN	330436	9.70	298375	505 (3.29)	510 (2.19)	543 (2.07)	544 (4.67)	491 (8.75)
CZE	121183	4.06	116258	510 (5.86)	519 (3.60)	541 (3.63)	534 (8.48)	445 (29.98)
DNK	51741	0.65	51406	482 (4.66)	478 (2.98)	481 (4.71)	468 (12.45)	377 (14.13)
FIN	57884	0.07	57845	539 (5.89)	539 (2.14)	558 (2.69)	562 (6.45)	518 (13.89)
FRA	734579	0.87	728167	486 (5.80)	507 (4.06)	530 (3.44)	515 (7.32)	423 (14.02)
DEU	884358	5.57	835070	502 (6.67)	510 (4.59)	521 (4.06)	512 (5.39)	391 (15.94)
GRC	105131	0.13	104991	476 (4.90)	482 (4.36)	491 (4.04)	478 (7.33)	397 (13.18)
HUN	107044	0.06	106984	502 (6.20)	493 (3.00)	514 (3.56)	519 (6.83)	412 (17.11)
ISL	3928	0.63	3903	467 (5.32)	479 (3.33)	510 (2.27)	502 (4.00)	396 (19.34)
IRL	54850	1.03	54285	481 (5.38)	495 (3.33)	522 (3.38)	513 (6.76)	438 (12.38)
ITA	481521	0.39	479622	474 (5.29)	482 (3.21)	503 (4.29)	504 (7.60)	394 (14.42)
JPN	1240054	0.10	1238855	546 (6.86)	549 (5.00)	559 (4.56)	522 (6.71)	422 (27.77)
KOR	533504	0.06	533172	579 (8.31)	570 (5.23)	536 (3.78)	519 (4.22)	. (.)
LUX	4080	0.08	4077	461 (4.92)	474 (2.94)	497 (2.62)	500 (4.09)	409 (10.35)
MEX	1071650	0.37	1067674	403 (4.59)	409 (3.33)	415 (4.19)	430 (10.44)	335 (7.46)
NLD	184943	3.32	178808	505 (7.61)	527 (3.37)	538 (3.68)	520 (9.92)	474 (9.86)
NZL	48638	2.01	47659	499 (5.68)	510 (2.99)	547 (2.84)	546 (7.87)	446 (19.53)
NOR	52816	0.77	52407	462 (5.54)	480 (3.29)	510 (3.37)	486 (8.04)	398 (11.22)
POL	534900	.	534900	488 (5.29)	483 (2.91)	526 (3.73)	525 (9.70)	407 (15.58)
PRT	96857	0.23	96637	483 (5.40)	469 (3.62)	463 (4.93)	439 (10.14)	402 (15.37)
SVK	77067	0.03	77043	480 (5.82)	488 (3.82)	518 (4.29)	511 (13.46)	406 (20.86)
ESP	344372	0.07	344114	485 (5.61)	494 (2.92)	492 (3.18)	449 (7.12)	381 (16.12)
SWE	107104	0.23	106861	499 (8.55)	505 (4.11)	513 (3.43)	501 (5.68)	438 (15.06)
CHE	86491	0.14	86370	510 (7.69)	510 (3.69)	519 (3.70)	513 (9.81)	465 (10.88)
TUR	481279	0.03	481137	432 (6.80)	435 (5.28)	452 (8.06)	451 (9.50)	373 (5.81)
GBR	698579	3.72	672605	506 (5.19)	512 (2.82)	539 (4.28)	527 (10.19)	420 (11.75)
USA	3147089	0.76	3123066	476 (4.48)	484 (3.01)	518 (3.98)	529 (7.86)	382 (14.95)
TOT	.	1.36	.	478 (1.97)	489 (1.23)	518 (1.15)	514 (2.53)	383 (4.35)
AVG	.	1.28	.	483 (1.13)	494 (0.70)	519 (0.65)	509 (1.25)	405 (3.11)
HKG	72484	0.21	72334	550 (5.46)	543 (3.95)	539 (5.30)	490 (10.72)	. (.)
IDN	1971476	0.02	1971153	384 (6.10)	393 (3.34)	402 (3.51)	397 (8.24)	349 (6.58)
LVA	33643	0.22	33570	480 (7.01)	482 (4.36)	499 (4.66)	495 (10.21)	420 (17.36)
LIE	338	.	338	503 (18.45)	508 (8.48)	540 (7.71)	543 (19.66)	. (.)
MAC	6546	.	6546	525 (8.22)	526 (4.26)	527 (6.09)	479 (18.27)	. (.)
RUS	2153373	0.02	2152991	490 (6.49)	494 (4.27)	489 (4.67)	494 (9.34)	387 (10.64)
YUG	68596	0.60	68187	419 (5.34)	431 (3.87)	456 (4.02)	465 (8.24)	393 (11.29)
THA	637076	.	637076	442 (5.27)	427 (2.70)	429 (3.57)	445 (16.19)	401 (11.67)
TUN	150875	0.09	150739	387 (3.84)	389 (3.48)	392 (3.11)	387 (6.15)	313 (7.48)
URY	33775	0.18	33715	422 (4.70)	435 (3.33)	467 (4.82)	465 (8.40)	351 (6.63)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I work with other students.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	518 (4.34)	521 (1.93)	550 (2.32)	550 (5.57)	441 (8.70)
AUT	85931	1.08	85003	487 (4.29)	505 (3.87)	516 (3.13)	518 (4.72)	458 (15.78)
BEL	111831	1.79	109825	505 (4.95)	529 (2.66)	546 (2.50)	526 (6.19)	407 (10.60)
CAN	330436	9.70	298375	518 (2.64)	522 (1.81)	553 (1.84)	550 (4.34)	504 (6.54)
CZE	121183	4.06	116258	502 (5.17)	513 (3.50)	535 (3.42)	527 (6.90)	444 (31.31)
DNK	51741	0.65	51406	523 (4.20)	518 (2.63)	523 (4.32)	503 (10.17)	435 (12.67)
FIN	57884	0.07	57845	546 (5.55)	540 (1.96)	556 (2.38)	554 (5.97)	535 (13.64)
FRA	734579	0.87	728167	502 (4.69)	518 (3.57)	535 (3.09)	516 (6.26)	432 (11.62)
DEU	884358	5.57	835070	511 (6.06)	519 (4.13)	528 (3.72)	516 (4.72)	414 (14.93)
GRC	105131	0.13	104991	434 (5.81)	447 (3.92)	467 (5.03)	443 (7.71)	366 (12.48)
HUN	107044	0.06	106984	492 (5.95)	489 (3.40)	514 (3.21)	516 (6.73)	420 (16.36)
ISL	3928	0.63	3903	478 (5.58)	488 (2.90)	521 (1.96)	512 (3.87)	401 (17.30)
IRL	54850	1.03	54285	482 (5.27)	491 (2.67)	512 (2.99)	501 (5.51)	423 (13.23)
ITA	481521	0.39	479622	450 (5.01)	466 (3.26)	491 (3.78)	480 (7.34)	361 (19.02)
JPN	1240054	0.10	1238855	540 (5.66)	546 (4.69)	561 (4.57)	522 (6.51)	419 (39.46)
KOR	533504	0.06	533172	594 (7.56)	581 (4.12)	549 (3.27)	529 (3.83)	. (.)
LUX	4080	0.08	4077	470 (3.96)	485 (2.53)	508 (2.30)	507 (3.62)	440 (9.04)
MEX	1071650	0.37	1067674	383 (4.76)	390 (4.03)	398 (5.55)	405 (9.80)	296 (7.14)
NLD	184943	3.32	178808	506 (6.99)	524 (2.91)	531 (3.79)	512 (9.49)	461 (9.61)
NZL	48638	2.01	47659	522 (4.28)	527 (2.80)	551 (2.64)	542 (7.84)	458 (15.41)
NOR	52816	0.77	52407	470 (5.29)	484 (3.09)	515 (3.28)	486 (7.96)	444 (10.52)
POL	534900	.	534900	475 (5.47)	476 (2.66)	510 (3.46)	510 (8.85)	362 (22.30)
PRT	96857	0.23	96637	485 (5.48)	473 (3.92)	462 (4.64)	429 (10.82)	411 (16.11)
SVK	77067	0.03	77043	466 (5.09)	486 (3.39)	517 (3.92)	501 (13.96)	425 (26.43)
ESP	344372	0.07	344114	477 (5.07)	489 (3.29)	486 (3.21)	445 (6.04)	401 (12.65)
SWE	107104	0.23	106861	495 (7.42)	507 (3.32)	515 (2.65)	504 (4.87)	463 (13.97)
CHE	86491	0.14	86370	515 (5.78)	520 (3.33)	529 (3.12)	524 (6.93)	441 (10.79)
TUR	481279	0.03	481137	409 (6.36)	410 (5.56)	425 (7.94)	422 (9.44)	329 (7.70)
GBR	698579	3.72	672605	498 (5.06)	503 (2.62)	529 (3.74)	509 (9.27)	447 (10.17)
USA	3147089	0.76	3123066	463 (4.47)	471 (3.04)	502 (3.87)	503 (7.72)	386 (11.81)
TOT	.	1.36	.	470 (2.03)	482 (1.33)	514 (1.17)	507 (2.32)	372 (5.00)
AVG	.	1.28	.	482 (1.18)	494 (0.73)	519 (0.70)	509 (1.10)	404 (3.33)
HKG	72484	0.21	72334	563 (5.28)	552 (4.02)	545 (5.32)	496 (11.40)	. (.)
IDN	1971476	0.02	1971153	337 (6.12)	359 (3.17)	372 (3.71)	368 (7.01)	303 (5.31)
LVA	33643	0.22	33570	467 (7.94)	476 (4.70)	493 (4.41)	485 (7.94)	407 (16.58)
LIE	338	.	338	508 (16.67)	518 (7.67)	540 (7.17)	545 (17.83)	. (.)
MAC	6546	.	6546	524 (8.07)	534 (4.13)	535 (5.34)	526 (17.56)	. (.)
RUS	2153373	0.02	2152991	479 (6.43)	483 (4.43)	479 (5.31)	482 (9.14)	372 (10.28)
YUG	68596	0.60	68187	405 (5.00)	419 (3.25)	443 (3.73)	436 (6.61)	346 (10.50)
THA	637076	.	637076	440 (5.70)	424 (2.76)	424 (3.76)	428 (16.22)	392 (15.92)
TUN	150875	0.09	150739	346 (3.30)	350 (2.72)	348 (3.15)	343 (5.64)	299 (5.98)
URY	33775	0.18	33715	386 (6.09)	408 (3.74)	445 (4.73)	437 (8.93)	312 (6.86)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I always try to do better than the other students in my class.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.39	234674	12.07	(0.41)	38.43	(0.49)	42.74	(0.65)	4.79	(0.22)	1.96	(0.19)
AUT	85931	1.08	85003	9.53	(0.46)	22.04	(0.71)	43.16	(0.92)	23.24	(0.84)	2.03	(0.74)
BEL	111831	1.79	109825	5.95	(0.34)	23.96	(0.65)	54.19	(0.76)	11.58	(0.36)	4.32	(0.55)
CAN	330436	9.70	298375	12.62	(0.40)	32.47	(0.55)	45.73	(0.57)	6.90	(0.27)	2.28	(0.17)
CZE	121183	4.06	116258	6.33	(0.35)	33.61	(0.74)	53.62	(0.87)	5.14	(0.32)	1.31	(0.38)
DNK	51741	0.65	51406	8.06	(0.50)	23.17	(0.71)	55.91	(0.79)	9.95	(0.47)	2.90	(0.35)
FIN	57884	0.07	57845	6.30	(0.34)	24.17	(0.61)	55.26	(0.79)	13.08	(0.49)	1.19	(0.15)
FRA	734579	0.87	728167	8.85	(0.51)	28.22	(0.73)	48.19	(0.93)	12.41	(0.56)	2.32	(0.27)
DEU	884358	5.57	835070	12.25	(0.48)	21.58	(0.71)	46.11	(0.80)	17.65	(0.63)	2.41	(0.37)
GRC	105131	0.13	104991	11.07	(0.61)	31.00	(0.80)	47.77	(0.93)	7.72	(0.53)	2.44	(0.43)
HUN	107044	0.06	106984	4.68	(0.31)	20.95	(0.72)	61.49	(0.76)	11.29	(0.55)	1.59	(0.21)
ISL	3928	0.63	3903	13.62	(0.60)	37.87	(0.94)	40.03	(0.93)	7.23	(0.45)	1.25	(0.19)
IRL	54850	1.03	54285	8.45	(0.46)	28.91	(0.77)	53.39	(0.79)	7.58	(0.42)	1.67	(0.24)
ITA	481521	0.39	479622	10.86	(0.45)	36.45	(0.76)	45.24	(0.79)	6.21	(0.40)	1.23	(0.16)
JPN	1240054	0.10	1238855	9.09	(0.45)	22.15	(0.72)	47.07	(0.90)	20.85	(0.86)	0.84	(0.33)
KOR	533504	0.08	533080	8.29	(0.41)	39.18	(0.83)	43.87	(0.81)	8.27	(0.44)	0.38	(.)
LUX	4080	0.08	4077	13.90	(0.59)	25.16	(0.66)	42.09	(0.76)	15.61	(0.53)	3.24	(0.31)
MEX	1071650	0.37	1067674	16.85	(0.73)	49.34	(0.89)	23.66	(0.78)	2.22	(0.29)	7.92	(0.68)
NLD	184943	3.36	178724	3.10	(0.36)	21.51	(0.80)	61.71	(1.11)	10.52	(0.65)	3.15	(0.47)
NZL	48638	2.01	47659	9.95	(0.53)	35.73	(0.85)	47.62	(0.98)	5.90	(0.33)	0.80	(0.15)
NOR	52816	0.77	52407	7.52	(0.39)	23.05	(0.74)	50.50	(0.79)	15.52	(0.63)	3.41	(0.46)
POL	534900	.	534900	7.92	(0.44)	31.86	(0.68)	53.43	(0.87)	5.42	(0.39)	1.38	(0.24)
PRT	96857	0.23	96637	5.56	(0.42)	25.29	(0.84)	57.29	(0.88)	9.84	(0.49)	2.01	(0.29)
SVK	77067	0.03	77043	6.44	(0.41)	42.04	(1.10)	46.58	(1.11)	3.19	(0.33)	1.76	(0.53)
ESP	344372	0.07	344114	8.75	(0.50)	32.12	(0.80)	49.13	(0.95)	7.91	(0.37)	2.09	(0.33)
SWE	107104	0.23	106861	8.31	(0.48)	24.49	(0.70)	54.01	(0.82)	11.27	(0.55)	1.92	(0.28)
CHE	86491	0.14	86370	8.41	(0.44)	22.91	(0.58)	46.02	(0.72)	20.59	(0.67)	2.06	(0.25)
TUR	481279	0.03	481137	22.27	(1.05)	41.13	(0.89)	24.05	(0.81)	3.95	(0.29)	8.59	(1.09)
GBR	698579	3.72	672605	9.71	(0.40)	33.85	(0.63)	48.92	(0.77)	5.20	(0.31)	2.33	(0.24)
USA	3147089	0.76	3123066	16.08	(0.59)	40.12	(0.61)	36.13	(0.75)	5.25	(0.32)	2.42	(0.30)
TOT	.	1.36	.	12.27	(0.19)	34.17	(0.22)	42.00	(0.25)	8.80	(0.15)	2.76	(0.11)
AVG	.	1.28	.	9.76	(0.09)	30.44	(0.15)	47.48	(0.16)	9.88	(0.10)	2.44	(0.07)
HKG	72484	0.21	72334	5.26	(0.39)	27.18	(0.71)	57.44	(0.88)	9.80	(0.56)	0.33	(.)
IDN	1971476	0.02	1971153	17.75	(0.65)	65.76	(0.89)	11.15	(0.54)	0.50	(0.10)	4.85	(0.51)
LVA	33643	0.22	33570	3.35	(0.38)	29.27	(0.96)	61.37	(0.92)	4.87	(0.34)	1.14	(0.20)
LIE	338	.	338	9.10	(.)	22.92	(2.42)	46.63	(2.59)	19.53	(2.06)	1.83	(.)
MAC	6546	.	6546	5.59	(0.79)	20.78	(1.57)	62.64	(2.05)	10.68	(1.20)	0.31	(.)
RUS	2153373	0.02	2152991	5.37	(0.33)	29.06	(0.89)	59.22	(0.85)	4.06	(0.37)	2.28	(0.28)
YUG	68596	0.60	68187	7.32	(0.49)	25.16	(0.73)	50.37	(1.16)	9.54	(0.57)	7.60	(0.92)
THA	637076	.	637076	6.61	(0.42)	51.89	(1.00)	38.48	(1.06)	1.76	(0.19)	1.26	(0.18)
TUN	150875	0.09	150739	35.47	(0.81)	39.32	(0.70)	14.86	(0.56)	4.89	(0.30)	5.46	(0.39)
URY	33775	0.17	33719	8.04	(0.44)	24.63	(0.78)	50.26	(0.94)	10.14	(0.53)	6.93	(0.55)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I always try to do better than the other students in my class.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	537 (4.08)	526 (2.73)	528 (2.44)	520 (5.42)	423 (8.83)
AUT	85931	1.08	85003	469 (6.22)	477 (5.20)	497 (3.73)	516 (4.40)	442 (30.94)
BEL	111831	1.79	109825	479 (6.24)	501 (3.61)	528 (2.51)	521 (6.03)	359 (17.69)
CAN	330436	9.70	298375	545 (3.61)	529 (2.22)	533 (1.57)	520 (4.03)	487 (7.71)
CZE	121183	4.06	116258	499 (5.29)	499 (3.07)	496 (3.41)	491 (6.63)	417 (24.74)
DNK	51741	0.65	51406	494 (7.04)	492 (3.95)	498 (2.77)	490 (5.18)	407 (15.31)
FIN	57884	0.07	57845	561 (5.79)	540 (2.84)	544 (1.80)	542 (3.29)	504 (16.35)
FRA	734579	0.87	728167	478 (6.25)	496 (3.84)	507 (3.03)	498 (4.67)	395 (11.49)
DEU	884358	5.57	835070	481 (5.54)	488 (4.77)	512 (3.39)	518 (5.23)	379 (14.37)
GRC	105131	0.13	104991	470 (7.57)	471 (5.59)	482 (3.63)	468 (7.02)	326 (17.40)
HUN	107044	0.06	106984	476 (10.10)	481 (4.13)	483 (2.58)	493 (4.86)	382 (18.36)
ISL	3928	0.63	3903	494 (4.97)	494 (2.91)	498 (2.55)	470 (6.54)	353 (17.47)
IRL	54850	1.03	54285	508 (7.25)	515 (3.65)	520 (2.82)	514 (5.41)	408 (16.58)
ITA	481521	0.39	479622	456 (7.96)	467 (3.56)	489 (3.27)	482 (6.67)	405 (19.36)
JPN	1240054	0.10	1238855	496 (7.03)	507 (5.14)	507 (4.00)	478 (6.32)	339 (38.25)
KOR	533504	0.08	533080	566 (5.17)	548 (3.49)	524 (3.23)	496 (5.68)	. (.)
LUX	4080	0.08	4077	466 (5.51)	472 (3.09)	493 (2.66)	489 (4.26)	377 (11.44)
MEX	1071650	0.37	1067674	401 (6.36)	410 (3.90)	411 (3.95)	394 (16.35)	304 (7.50)
NLD	184943	3.36	178724	480 (8.81)	502 (4.41)	525 (3.02)	523 (5.65)	496 (8.62)
NZL	48638	2.01	47659	525 (6.44)	517 (3.66)	532 (2.78)	510 (6.92)	426 (23.39)
NOR	52816	0.77	52407	507 (6.93)	508 (5.02)	507 (2.84)	481 (4.71)	420 (12.90)
POL	534900	.	534900	505 (6.71)	492 (3.68)	501 (3.27)	496 (7.33)	375 (17.58)
PRT	96857	0.23	96637	461 (7.57)	461 (5.74)	486 (3.73)	490 (6.55)	433 (15.23)
SVK	77067	0.03	77043	471 (6.89)	474 (3.56)	470 (3.50)	442 (9.47)	384 (21.29)
ESP	344372	0.07	344114	479 (5.45)	480 (3.63)	490 (2.81)	453 (5.67)	382 (14.24)
SWE	107104	0.23	106861	529 (5.86)	521 (5.11)	515 (2.21)	504 (5.31)	432 (21.36)
CHE	86491	0.14	86370	471 (6.19)	480 (4.12)	508 (3.33)	519 (5.05)	427 (13.56)
TUR	481279	0.03	481137	458 (7.40)	444 (5.93)	451 (6.90)	412 (7.63)	368 (6.72)
GBR	698579	3.72	672605	498 (5.98)	501 (3.20)	517 (3.04)	498 (6.14)	416 (11.23)
USA	3147089	0.76	3123066	500 (4.84)	491 (3.53)	507 (3.07)	491 (8.50)	384 (13.57)
TOT	.	1.36	.	483 (2.22)	483 (1.57)	502 (1.01)	491 (2.57)	367 (4.61)
AVG	.	1.28	.	488 (1.32)	491 (0.90)	504 (0.63)	498 (1.12)	390 (3.18)
HKG	72484	0.21	72334	499 (6.80)	504 (5.48)	517 (2.94)	493 (7.43)	. (.)
IDN	1971476	0.02	1971153	382 (4.34)	387 (3.26)	376 (7.25)	365 (19.20)	312 (8.61)
LVA	33643	0.22	33570	508 (11.68)	493 (5.12)	490 (3.56)	491 (7.43)	408 (19.87)
LIE	338	.	338	. (.)	514 (10.96)	526 (6.58)	553 (11.98)	. (.)
MAC	6546	.	6546	507 (10.05)	494 (5.21)	499 (2.96)	496 (8.32)	. (.)
RUS	2153373	0.02	2152991	451 (8.61)	453 (4.69)	439 (4.18)	453 (6.67)	340 (10.39)
YUG	68596	0.60	68187	387 (6.56)	408 (3.91)	425 (3.48)	428 (5.71)	348 (11.09)
THA	637076	.	637076	414 (6.17)	412 (2.71)	432 (3.94)	443 (11.24)	378 (12.87)
TUN	150875	0.09	150739	377 (4.86)	378 (3.17)	387 (4.28)	374 (6.78)	305 (7.35)
URY	33775	0.17	33719	412 (8.22)	422 (4.91)	453 (3.47)	451 (6.46)	338 (7.77)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I always try to do better than the other students in my class.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	553 (3.97)	531 (2.77)	518 (2.47)	499 (4.97)	434 (8.96)
AUT	85931	1.08	85003	507 (6.21)	505 (4.64)	508 (3.06)	514 (4.35)	453 (18.00)
BEL	111831	1.79	109825	515 (5.94)	532 (3.38)	546 (2.53)	532 (4.53)	392 (15.36)
CAN	330436	9.70	298375	568 (3.25)	540 (2.42)	530 (1.60)	513 (3.89)	494 (7.33)
CZE	121183	4.06	116258	550 (5.62)	535 (3.28)	515 (3.99)	503 (7.08)	435 (27.03)
DNK	51741	0.65	51406	557 (6.76)	529 (4.34)	512 (2.57)	482 (5.17)	449 (14.58)
FIN	57884	0.07	57845	599 (6.86)	556 (2.64)	540 (2.04)	521 (3.32)	500 (13.31)
FRA	734579	0.87	728167	511 (6.13)	519 (3.36)	516 (3.08)	498 (4.52)	423 (10.72)
DEU	884358	5.57	835070	515 (5.33)	509 (4.77)	516 (3.35)	512 (5.21)	413 (12.29)
GRC	105131	0.13	104991	469 (6.13)	452 (4.83)	443 (3.73)	423 (6.26)	368 (12.60)
HUN	107044	0.06	106984	504 (10.28)	501 (4.54)	488 (2.86)	485 (5.10)	397 (16.49)
ISL	3928	0.63	3903	542 (4.01)	524 (2.61)	510 (2.24)	467 (6.52)	421 (15.45)
IRL	54850	1.03	54285	513 (6.59)	512 (3.36)	501 (2.74)	486 (5.43)	410 (12.16)
ITA	481521	0.39	479622	463 (6.70)	465 (3.30)	469 (3.51)	460 (5.25)	409 (19.33)
JPN	1240054	0.10	1238855	552 (6.38)	551 (5.43)	540 (4.22)	501 (5.62)	425 (25.44)
KOR	533504	0.08	533080	595 (5.76)	562 (3.71)	526 (3.36)	487 (5.42)	. (.)
LUX	4080	0.08	4077	495 (4.32)	492 (2.52)	499 (2.27)	491 (3.77)	439 (8.97)
MEX	1071650	0.37	1067674	393 (5.50)	395 (3.60)	388 (3.54)	372 (13.54)	306 (6.25)
NLD	184943	3.36	178724	522 (10.05)	539 (4.73)	550 (3.26)	533 (5.39)	487 (8.32)
NZL	48638	2.01	47659	549 (6.33)	528 (3.14)	524 (2.49)	494 (6.55)	431 (19.41)
NOR	52816	0.77	52407	529 (6.33)	515 (4.01)	496 (2.71)	465 (4.03)	423 (9.86)
POL	534900	.	534900	524 (5.70)	496 (3.38)	487 (2.79)	465 (6.23)	389 (11.36)
PRT	96857	0.23	96637	482 (7.96)	461 (4.51)	469 (3.31)	462 (5.78)	424 (12.11)
SVK	77067	0.03	77043	511 (7.48)	508 (3.73)	492 (3.37)	466 (9.25)	421 (22.17)
ESP	344372	0.07	344114	498 (5.15)	491 (3.54)	487 (2.75)	454 (5.27)	404 (11.92)
SWE	107104	0.23	106861	554 (6.14)	529 (5.21)	502 (2.21)	483 (4.40)	430 (17.61)
CHE	86491	0.14	86370	519 (6.06)	516 (3.78)	531 (3.56)	538 (5.41)	474 (12.89)
TUR	481279	0.03	481137	450 (8.00)	427 (7.46)	428 (8.15)	390 (8.15)	341 (6.60)
GBR	698579	3.72	672605	520 (5.73)	511 (3.16)	509 (3.03)	488 (5.90)	425 (11.56)
USA	3147089	0.76	3123066	495 (4.81)	481 (3.40)	488 (2.94)	471 (7.27)	401 (12.18)
TOT	.	1.36	.	494 (2.07)	487 (1.55)	499 (1.00)	488 (2.29)	378 (4.31)
AVG	.	1.28	.	511 (1.33)	503 (0.94)	504 (0.61)	493 (1.17)	404 (2.87)
HKG	72484	0.21	72334	561 (9.24)	552 (6.12)	555 (3.97)	520 (8.41)	. (.)
IDN	1971476	0.02	1971153	362 (4.68)	366 (3.86)	355 (7.32)	315 (13.97)	292 (7.27)
LVA	33643	0.22	33570	534 (11.43)	493 (5.27)	478 (3.37)	469 (6.90)	422 (18.43)
LIE	338	.	338	. (.)	536 (11.39)	533 (7.19)	546 (12.29)	. (.)
MAC	6546	.	6546	553 (16.12)	522 (7.39)	528 (3.61)	518 (10.27)	. (.)
RUS	2153373	0.02	2152991	504 (9.35)	486 (5.37)	461 (4.19)	462 (6.66)	378 (9.15)
YUG	68596	0.60	68187	423 (8.15)	443 (4.35)	446 (3.77)	443 (5.65)	367 (9.32)
THA	637076	.	637076	416 (6.71)	412 (3.00)	425 (3.95)	428 (11.68)	375 (12.16)
TUN	150875	0.09	150739	371 (3.62)	358 (2.94)	356 (3.47)	338 (5.37)	311 (5.91)
URY	33775	0.17	33719	421 (6.72)	420 (4.28)	434 (3.25)	430 (6.85)	332 (6.81)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I always try to do better than the other students in my class.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	546 (4.29)	530 (2.84)	522 (2.33)	509 (6.18)	433 (7.80)
AUT	85931	1.08	85003	479 (5.49)	484 (4.81)	494 (3.65)	508 (4.24)	446 (19.53)
BEL	111831	1.79	109825	485 (6.14)	508 (3.36)	526 (2.56)	520 (5.15)	370 (14.88)
CAN	330436	9.70	298375	547 (3.51)	524 (2.63)	520 (2.06)	508 (4.69)	467 (8.47)
CZE	121183	4.06	116258	547 (5.89)	537 (3.22)	524 (3.89)	515 (7.84)	439 (29.93)
DNK	51741	0.65	51406	500 (7.87)	484 (4.40)	476 (2.85)	459 (6.62)	389 (15.72)
FIN	57884	0.07	57845	593 (7.20)	553 (3.14)	545 (2.13)	534 (3.88)	516 (15.34)
FRA	734579	0.87	728167	506 (8.40)	518 (4.34)	518 (3.46)	499 (5.13)	415 (15.53)
DEU	884358	5.57	835070	507 (5.75)	506 (4.94)	518 (3.67)	517 (5.49)	399 (14.16)
GRC	105131	0.13	104991	493 (7.25)	484 (5.17)	483 (3.65)	471 (7.56)	390 (14.31)
HUN	107044	0.06	106984	507 (11.20)	508 (4.55)	503 (2.68)	509 (5.65)	414 (16.83)
ISL	3928	0.63	3903	515 (4.44)	502 (2.74)	492 (2.53)	457 (7.19)	390 (18.46)
IRL	54850	1.03	54285	512 (7.56)	511 (3.85)	505 (2.96)	493 (6.38)	421 (13.58)
ITA	481521	0.39	479622	483 (7.15)	481 (3.36)	494 (3.54)	487 (5.98)	410 (20.35)
JPN	1240054	0.10	1238855	554 (7.14)	560 (5.41)	554 (4.32)	524 (6.04)	406 (29.74)
KOR	533504	0.08	533080	581 (6.15)	556 (4.20)	524 (3.81)	491 (6.45)	. (.)
LUX	4080	0.08	4077	479 (5.13)	479 (3.14)	490 (2.44)	489 (4.36)	403 (10.81)
MEX	1071650	0.37	1067674	412 (5.53)	412 (3.67)	409 (3.54)	399 (11.45)	334 (7.41)
NLD	184943	3.36	178724	499 (11.73)	519 (5.57)	536 (3.44)	525 (5.79)	475 (10.61)
NZL	48638	2.01	47659	535 (6.73)	522 (3.54)	525 (2.74)	502 (6.73)	420 (20.30)
NOR	52816	0.77	52407	508 (7.16)	501 (4.95)	487 (3.06)	460 (4.92)	390 (10.84)
POL	534900	.	534900	525 (7.04)	499 (3.90)	496 (3.26)	488 (7.14)	407 (12.82)
PRT	96857	0.23	96637	471 (8.05)	460 (4.91)	472 (3.69)	475 (6.43)	404 (12.94)
SVK	77067	0.03	77043	502 (8.77)	501 (4.78)	494 (3.49)	468 (9.26)	399 (19.64)
ESP	344372	0.07	344114	495 (6.37)	491 (3.66)	492 (2.90)	458 (5.96)	389 (15.89)
SWE	107104	0.23	106861	544 (7.04)	523 (5.67)	501 (2.68)	484 (5.98)	417 (19.78)
CHE	86491	0.14	86370	496 (6.04)	499 (4.13)	519 (3.72)	527 (6.45)	468 (12.94)
TUR	481279	0.03	481137	455 (7.73)	436 (6.22)	439 (7.06)	406 (8.09)	371 (5.75)
GBR	698579	3.72	672605	521 (6.56)	519 (3.48)	524 (3.24)	503 (6.77)	411 (11.49)
USA	3147089	0.76	3123066	499 (5.02)	487 (3.56)	500 (3.30)	494 (7.75)	387 (16.02)
TOT	.	1.36	.	497 (2.19)	491 (1.58)	507 (1.06)	502 (2.38)	382 (4.37)
AVG	.	1.28	.	504 (1.35)	500 (0.93)	506 (0.62)	498 (1.21)	400 (2.70)
HKG	72484	0.21	72334	539 (8.82)	538 (6.17)	545 (3.54)	517 (8.30)	. (.)
IDN	1971476	0.02	1971153	399 (4.23)	399 (3.16)	389 (6.32)	377 (16.32)	347 (6.67)
LVA	33643	0.22	33570	528 (11.16)	499 (5.66)	485 (3.67)	478 (9.25)	416 (16.22)
LIE	338	.	338	. (.)	517 (10.99)	522 (8.95)	546 (13.00)	. (.)
MAC	6546	.	6546	549 (15.58)	522 (8.35)	526 (4.29)	513 (12.02)	. (.)
RUS	2153373	0.02	2152991	518 (10.42)	504 (5.30)	483 (4.13)	490 (7.27)	385 (8.12)
YUG	68596	0.60	68187	421 (7.68)	435 (3.92)	444 (3.77)	448 (6.12)	392 (10.76)
THA	637076	.	637076	425 (5.94)	422 (2.64)	439 (3.89)	455 (10.81)	400 (12.95)
TUN	150875	0.09	150739	395 (3.75)	385 (2.84)	387 (4.11)	374 (6.22)	313 (8.69)
URY	33775	0.17	33719	435 (7.79)	435 (4.75)	451 (3.37)	445 (6.74)	354 (6.20)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I always try to do better than the other students in my class.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	550 (3.95)	534 (2.58)	527 (2.29)	512 (4.93)	445 (8.60)
AUT	85931	1.08	85003	500 (5.60)	502 (4.49)	509 (2.98)	518 (4.25)	453 (16.25)
BEL	111831	1.79	109825	510 (6.34)	525 (3.31)	541 (2.40)	527 (4.88)	406 (10.56)
CAN	330436	9.70	298375	560 (3.21)	536 (2.25)	529 (1.62)	514 (3.98)	494 (7.09)
CZE	121183	4.06	116258	545 (5.33)	532 (3.39)	517 (3.72)	505 (6.60)	435 (31.37)
DNK	51741	0.65	51406	549 (5.85)	528 (4.26)	516 (2.30)	494 (4.91)	441 (14.77)
FIN	57884	0.07	57845	593 (6.37)	555 (2.75)	544 (2.03)	531 (3.51)	533 (14.52)
FRA	734579	0.87	728167	514 (6.06)	526 (3.65)	526 (3.08)	508 (4.43)	431 (12.20)
DEU	884358	5.57	835070	514 (5.22)	514 (4.63)	526 (3.37)	523 (4.84)	421 (13.19)
GRC	105131	0.13	104991	458 (7.13)	453 (5.47)	451 (3.78)	431 (5.82)	362 (14.70)
HUN	107044	0.06	106984	511 (10.18)	508 (4.62)	501 (2.85)	498 (5.44)	419 (14.30)
ISL	3928	0.63	3903	524 (4.45)	511 (2.47)	503 (2.51)	468 (6.10)	396 (15.59)
IRL	54850	1.03	54285	505 (6.51)	504 (3.21)	499 (2.59)	485 (5.09)	402 (12.72)
ITA	481521	0.39	479622	463 (8.05)	467 (3.53)	476 (3.39)	467 (5.73)	390 (18.50)
JPN	1240054	0.10	1238855	561 (6.61)	563 (4.99)	553 (4.29)	518 (6.24)	408 (44.32)
KOR	533504	0.08	533080	590 (5.17)	567 (3.49)	538 (3.41)	507 (5.83)	. (.)
LUX	4080	0.08	4077	492 (4.89)	492 (2.99)	500 (2.39)	493 (3.96)	435 (9.29)
MEX	1071650	0.37	1067674	387 (6.06)	394 (4.29)	392 (4.45)	378 (14.21)	298 (6.81)
NLD	184943	3.36	178724	496 (10.20)	517 (4.60)	531 (3.38)	517 (5.96)	463 (9.97)
NZL	48638	2.01	47659	549 (5.89)	534 (3.16)	537 (2.59)	511 (7.02)	445 (17.63)
NOR	52816	0.77	52407	514 (7.67)	508 (4.49)	492 (3.00)	460 (4.44)	437 (10.68)
POL	534900	.	534900	511 (6.43)	490 (3.56)	486 (3.08)	470 (6.23)	370 (19.47)
PRT	96857	0.23	96637	475 (7.78)	462 (5.33)	476 (3.74)	468 (6.60)	411 (14.36)
SVK	77067	0.03	77043	500 (7.57)	501 (3.49)	487 (3.55)	457 (9.91)	423 (25.44)
ESP	344372	0.07	344114	487 (5.77)	484 (3.98)	488 (2.92)	456 (5.78)	406 (12.68)
SWE	107104	0.23	106861	541 (6.23)	523 (5.09)	505 (2.11)	486 (4.67)	442 (17.14)
CHE	86491	0.14	86370	512 (5.76)	508 (3.82)	528 (3.25)	534 (4.85)	444 (13.25)
TUR	481279	0.03	481137	431 (7.30)	411 (6.53)	413 (7.12)	380 (7.39)	327 (7.13)
GBR	698579	3.72	672605	511 (5.89)	509 (3.09)	516 (2.91)	490 (6.04)	437 (11.71)
USA	3147089	0.76	3123066	486 (4.90)	475 (3.55)	484 (3.12)	469 (8.40)	389 (12.27)
TOT	.	1.36	.	488 (2.23)	484 (1.65)	502 (1.02)	496 (2.45)	372 (4.51)
AVG	.	1.28	.	503 (1.37)	500 (0.96)	506 (0.61)	497 (1.13)	401 (3.02)
HKG	72484	0.21	72334	554 (8.49)	546 (6.39)	553 (3.30)	523 (8.03)	. (.)
IDN	1971476	0.02	1971153	360 (4.20)	367 (3.30)	358 (6.21)	338 (14.22)	300 (5.86)
LVA	33643	0.22	33570	519 (12.20)	490 (5.75)	479 (3.63)	474 (8.36)	403 (19.28)
LIE	338	.	338	. (.)	528 (12.09)	526 (6.70)	544 (12.14)	. (.)
MAC	6546	.	6546	536 (12.47)	527 (7.24)	535 (3.29)	530 (9.45)	. (.)
RUS	2153373	0.02	2152991	506 (10.03)	495 (5.02)	472 (4.84)	480 (7.00)	372 (10.39)
YUG	68596	0.60	68187	404 (7.43)	423 (3.92)	432 (3.47)	427 (5.54)	347 (10.38)
THA	637076	.	637076	426 (7.08)	419 (2.83)	433 (3.85)	437 (11.05)	391 (15.45)
TUN	150875	0.09	150739	351 (3.28)	346 (2.56)	346 (4.60)	328 (5.96)	305 (5.45)
URY	33775	0.17	33719	398 (7.71)	406 (5.43)	426 (3.48)	425 (7.47)	310 (7.56)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics, I enjoy helping others to work well in a group.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.39	234674	12.29 (0.45)	58.54 (0.51)	24.15 (0.55)	3.07 (0.25)	1.95 (0.18)
AUT	85931	1.08	85003	21.36 (0.81)	46.59 (0.85)	22.06 (0.67)	7.92 (0.45)	2.08 (0.78)
BEL	111831	1.79	109825	9.92 (0.39)	54.73 (0.67)	25.13 (0.54)	5.84 (0.33)	4.39 (0.53)
CAN	330436	9.70	298375	14.00 (0.36)	51.35 (0.49)	27.14 (0.44)	5.45 (0.21)	2.06 (0.15)
CZE	121183	4.06	116258	6.56 (0.42)	64.71 (0.79)	23.73 (0.69)	3.46 (0.28)	1.55 (0.36)
DNK	51741	0.65	51406	13.62 (0.55)	60.32 (0.84)	19.33 (0.65)	3.53 (0.29)	3.19 (0.33)
FIN	57884	0.07	57845	7.41 (0.40)	59.31 (0.71)	26.97 (0.65)	5.03 (0.30)	1.28 (0.15)
FRA	734579	0.87	728167	10.27 (0.51)	43.71 (0.78)	33.41 (0.84)	9.87 (0.51)	2.74 (0.27)
DEU	884358	5.57	835070	20.89 (0.72)	46.36 (0.87)	22.46 (0.65)	7.94 (0.38)	2.35 (0.39)
GRC	105131	0.13	104991	17.51 (0.53)	56.46 (0.76)	18.68 (0.66)	4.84 (0.30)	2.51 (0.43)
HUN	107044	0.06	106984	8.71 (0.45)	54.68 (0.88)	29.19 (0.78)	6.06 (0.39)	1.35 (0.17)
ISL	3928	0.63	3903	12.02 (0.62)	52.71 (0.87)	26.13 (0.73)	7.72 (0.43)	1.42 (0.22)
IRL	54850	1.03	54285	9.12 (0.46)	54.95 (0.72)	28.94 (0.72)	5.09 (0.33)	1.90 (0.24)
ITA	481521	0.39	479622	14.21 (0.45)	52.52 (0.74)	26.38 (0.70)	5.82 (0.36)	1.07 (0.16)
JPN	1240054	0.10	1238855	6.06 (0.36)	39.26 (0.80)	38.69 (0.73)	14.71 (0.68)	1.28 (0.35)
KOR	533504	0.08	533080	5.73 (0.36)	37.70 (0.80)	44.46 (0.82)	11.58 (0.53)	0.54 (.)
LUX	4080	0.08	4077	14.84 (0.59)	38.66 (0.74)	30.39 (0.69)	12.48 (0.56)	3.62 (0.30)
MEX	1071650	0.37	1067674	13.38 (0.64)	42.41 (0.72)	31.76 (0.74)	4.47 (0.31)	7.99 (0.62)
NLD	184943	3.35	178741	5.99 (0.45)	54.64 (0.93)	32.02 (0.92)	4.07 (0.42)	3.28 (0.47)
NZL	48638	2.04	47646	11.31 (0.50)	58.70 (0.80)	25.52 (0.73)	3.57 (0.31)	0.89 (0.15)
NOR	52816	0.77	52407	10.83 (0.54)	51.24 (0.88)	25.38 (0.96)	9.00 (0.52)	3.55 (0.43)
POL	534900	.	534900	8.07 (0.44)	54.13 (0.77)	31.08 (0.74)	5.42 (0.37)	1.31 (0.20)
PRT	96857	0.23	96637	15.41 (0.52)	66.31 (0.74)	13.57 (0.69)	2.77 (0.30)	1.95 (0.31)
SVK	77067	0.03	77043	10.26 (0.54)	68.81 (0.76)	17.16 (0.53)	2.29 (0.23)	1.47 (0.53)
ESP	344372	0.07	344114	12.33 (0.52)	56.94 (0.77)	22.71 (0.63)	5.87 (0.31)	2.16 (0.29)
SWE	107104	0.23	106861	8.52 (0.43)	45.96 (0.82)	35.01 (0.64)	8.34 (0.44)	2.17 (0.26)
CHE	86491	0.14	86370	21.45 (0.74)	49.58 (1.07)	20.77 (0.99)	5.70 (0.56)	2.50 (0.27)
TUR	481279	0.03	481137	21.24 (0.83)	48.50 (1.04)	16.93 (0.59)	5.03 (0.48)	8.29 (1.05)
GBR	698579	3.72	672605	10.89 (0.53)	57.70 (0.85)	25.35 (0.65)	3.77 (0.27)	2.29 (0.22)
USA	3147089	0.76	3123066	16.57 (0.54)	54.56 (0.70)	21.66 (0.54)	4.77 (0.29)	2.44 (0.31)
TOT	.	1.36	.	13.17 (0.17)	49.97 (0.23)	27.33 (0.22)	6.70 (0.12)	2.83 (0.11)
AVG	.	1.28	.	12.35 (0.11)	52.72 (0.15)	26.21 (0.14)	6.19 (0.08)	2.52 (0.08)
HKG	72484	0.21	72334	5.86 (0.36)	49.39 (0.97)	38.03 (0.89)	6.34 (0.44)	0.38 (.)
IDN	1971476	0.02	1971153	7.35 (0.42)	56.57 (0.88)	28.28 (0.80)	2.62 (0.23)	5.19 (0.54)
LVA	33643	0.22	33570	5.47 (0.43)	53.58 (1.02)	35.51 (0.97)	4.27 (0.36)	1.17 (0.19)
LIE	338	.	338	19.87 (2.11)	56.31 (2.50)	17.84 (1.81)	3.87 (.)	2.11 (.)
MAC	6546	.	6546	7.63 (0.93)	52.59 (1.90)	34.95 (1.60)	4.25 (0.76)	0.57 (.)
RUS	2153373	0.02	2152991	7.43 (0.45)	50.92 (1.03)	35.04 (0.98)	4.17 (0.31)	2.45 (0.32)
YUG	68596	0.57	68205	19.20 (0.70)	57.78 (1.11)	11.91 (0.58)	3.98 (0.40)	7.14 (0.91)
THA	637076	.	637076	9.63 (0.80)	70.49 (1.00)	17.95 (0.71)	0.76 (0.14)	1.16 (0.18)
TUN	150875	0.07	150770	38.54 (0.94)	39.93 (1.04)	12.50 (0.55)	4.26 (0.30)	4.78 (0.38)
URY	33775	0.17	33719	19.72 (0.70)	56.08 (0.90)	14.04 (0.52)	3.24 (0.29)	6.93 (0.54)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics, I enjoy helping others to work well in a group.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	530 (4.25)	533 (2.34)	518 (3.19)	502 (6.82)	424 (8.94)
AUT	85931	1.08	85003	500 (4.57)	500 (4.33)	483 (4.36)	482 (7.83)	434 (32.58)
BEL	111831	1.79	109825	497 (5.40)	527 (2.59)	511 (3.46)	482 (7.08)	363 (17.87)
CAN	330436	9.70	298375	539 (3.32)	534 (1.69)	530 (2.41)	512 (4.65)	486 (8.07)
CZE	121183	4.06	116258	492 (6.42)	505 (2.85)	480 (3.78)	470 (6.88)	421 (22.93)
DNK	51741	0.65	51406	499 (4.62)	498 (2.56)	493 (4.18)	468 (9.85)	395 (13.54)
FIN	57884	0.07	57845	556 (5.29)	550 (1.76)	531 (2.52)	521 (6.54)	514 (16.78)
FRA	734579	0.87	728167	491 (5.53)	509 (3.31)	498 (2.94)	477 (5.60)	403 (10.36)
DEU	884358	5.57	835070	503 (5.15)	513 (3.75)	494 (3.88)	488 (6.91)	373 (13.38)
GRC	105131	0.13	104991	477 (5.47)	479 (4.19)	472 (4.85)	449 (7.72)	333 (17.42)
HUN	107044	0.06	106984	493 (5.93)	488 (2.94)	473 (2.97)	471 (6.11)	393 (19.13)
ISL	3928	0.63	3903	494 (5.66)	500 (2.33)	489 (3.00)	469 (6.24)	374 (20.97)
IRL	54850	1.03	54285	513 (6.23)	521 (2.81)	514 (3.45)	492 (6.59)	417 (18.08)
ITA	481521	0.39	479622	478 (4.57)	482 (3.32)	470 (3.96)	456 (6.36)	397 (22.67)
JPN	1240054	0.10	1238855	520 (7.09)	522 (3.81)	490 (4.42)	458 (6.77)	392 (25.39)
KOR	533504	0.08	533080	568 (5.27)	558 (3.44)	519 (3.20)	506 (4.58)	. (.)
LUX	4080	0.08	4077	458 (5.19)	482 (2.78)	495 (2.60)	484 (4.34)	397 (11.13)
MEX	1071650	0.37	1067674	398 (6.31)	406 (3.84)	414 (4.07)	413 (11.97)	307 (6.99)
NLD	184943	3.35	178741	501 (7.30)	521 (2.96)	519 (3.77)	496 (7.61)	491 (8.63)
NZL	48638	2.04	47646	522 (5.13)	526 (2.87)	528 (4.04)	490 (9.35)	453 (18.23)
NOR	52816	0.77	52407	523 (6.59)	519 (3.20)	482 (3.37)	450 (5.90)	419 (13.03)
POL	534900	.	534900	503 (6.59)	505 (3.37)	486 (3.36)	494 (6.08)	373 (16.88)
PRT	96857	0.23	96637	494 (4.33)	481 (3.95)	452 (5.31)	446 (10.08)	453 (15.24)
SVK	77067	0.03	77043	474 (6.16)	475 (3.08)	454 (4.58)	436 (10.31)	371 (28.21)
ESP	344372	0.07	344114	484 (4.79)	491 (2.81)	473 (3.75)	436 (7.19)	380 (13.85)
SWE	107104	0.23	106861	516 (7.30)	520 (2.88)	514 (3.14)	502 (6.93)	450 (21.41)
CHE	86491	0.14	86370	499 (3.93)	507 (3.07)	497 (4.39)	475 (11.64)	429 (11.45)
TUR	481279	0.03	481137	452 (6.24)	452 (6.22)	436 (7.40)	422 (9.22)	371 (7.47)
GBR	698579	3.72	672605	502 (5.23)	512 (3.07)	506 (3.59)	485 (9.07)	419 (8.43)
USA	3147089	0.76	3123066	498 (4.84)	502 (3.10)	492 (4.18)	492 (7.38)	384 (12.67)
TOT	.	1.36	.	489 (2.09)	499 (1.21)	486 (1.36)	473 (2.38)	371 (4.39)
AVG	.	1.28	.	495 (1.09)	504 (0.65)	493 (0.79)	475 (1.23)	395 (3.30)
HKG	72484	0.21	72334	515 (6.92)	522 (3.36)	501 (4.09)	469 (8.20)	. (.)
IDN	1971476	0.02	1971153	367 (5.82)	389 (3.55)	383 (4.13)	366 (10.19)	319 (8.05)
LVA	33643	0.22	33570	490 (7.16)	498 (3.98)	484 (4.09)	479 (9.98)	412 (16.20)
LIE	338	.	338	522 (12.10)	532 (6.07)	511 (11.37)	. (.)	. (.)
MAC	6546	.	6546	497 (7.47)	506 (3.07)	488 (4.57)	472 (14.56)	. (.)
RUS	2153373	0.02	2152991	458 (6.98)	452 (4.05)	431 (4.30)	446 (9.73)	329 (8.20)
YUG	68596	0.57	68205	413 (5.00)	421 (3.59)	407 (5.61)	411 (7.09)	344 (12.10)
THA	637076	.	637076	433 (6.50)	420 (2.58)	415 (4.52)	416 (12.68)	379 (14.37)
TUN	150875	0.07	150770	369 (3.72)	383 (3.26)	392 (5.69)	388 (7.94)	295 (7.22)
URY	33775	0.17	33719	436 (7.13)	445 (3.38)	437 (7.39)	428 (11.75)	336 (9.11)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics, I enjoy helping others to work well in a group.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	530 (3.37)	532 (2.22)	515 (3.22)	493 (6.62)	434 (8.30)
AUT	85931	1.08	85003	513 (4.65)	514 (4.01)	497 (3.27)	494 (6.14)	452 (17.24)
BEL	111831	1.79	109825	523 (5.67)	550 (2.44)	531 (2.93)	495 (5.73)	396 (15.55)
CAN	330436	9.70	298375	551 (2.52)	538 (1.69)	531 (2.56)	518 (4.40)	489 (7.48)
CZE	121183	4.06	116258	525 (6.47)	532 (3.34)	503 (3.74)	494 (7.25)	449 (22.87)
DNK	51741	0.65	51406	529 (5.25)	519 (2.39)	511 (4.62)	486 (9.44)	429 (12.02)
FIN	57884	0.07	57845	574 (4.96)	552 (1.95)	528 (2.89)	504 (6.16)	513 (13.67)
FRA	734579	0.87	728167	513 (5.74)	528 (3.09)	507 (2.78)	478 (4.51)	429 (9.73)
DEU	884358	5.57	835070	519 (5.34)	523 (3.47)	500 (3.99)	488 (6.54)	407 (11.27)
GRC	105131	0.13	104991	460 (5.96)	450 (4.02)	434 (4.52)	419 (7.35)	358 (11.67)
HUN	107044	0.06	106984	508 (5.98)	498 (3.35)	479 (3.29)	465 (6.58)	410 (16.65)
ISL	3928	0.63	3903	526 (5.21)	523 (2.13)	510 (2.76)	482 (5.38)	427 (17.41)
IRL	54850	1.03	54285	503 (6.12)	508 (2.68)	503 (3.28)	473 (6.86)	423 (13.08)
ITA	481521	0.39	479622	468 (4.28)	472 (3.20)	459 (4.32)	447 (6.18)	406 (16.82)
JPN	1240054	0.10	1238855	557 (7.37)	558 (4.27)	525 (4.32)	491 (6.34)	463 (21.24)
KOR	533504	0.08	533080	597 (5.66)	573 (3.87)	522 (3.42)	497 (4.01)	. (.)
LUX	4080	0.08	4077	477 (4.19)	497 (2.38)	501 (2.51)	495 (4.15)	448 (7.66)
MEX	1071650	0.37	1067674	390 (5.48)	394 (3.59)	391 (4.14)	389 (8.71)	307 (6.88)
NLD	184943	3.35	178741	532 (8.34)	548 (3.24)	547 (3.89)	506 (8.57)	483 (8.08)
NZL	48638	2.04	47646	523 (5.10)	528 (2.47)	528 (3.61)	494 (9.48)	455 (16.25)
NOR	52816	0.77	52407	523 (5.71)	512 (2.90)	480 (3.29)	441 (4.60)	422 (9.29)
POL	534900	.	534900	512 (5.65)	501 (2.92)	475 (2.99)	467 (6.17)	382 (12.73)
PRT	96857	0.23	96637	484 (4.66)	469 (3.47)	446 (4.86)	431 (11.40)	435 (10.89)
SVK	77067	0.03	77043	497 (6.75)	504 (3.15)	486 (4.82)	471 (11.97)	414 (28.83)
ESP	344372	0.07	344114	493 (4.76)	495 (2.50)	475 (3.38)	440 (5.83)	398 (11.01)
SWE	107104	0.23	106861	522 (7.57)	516 (2.84)	505 (3.25)	491 (6.74)	450 (17.86)
CHE	86491	0.14	86370	527 (4.02)	534 (3.87)	523 (3.83)	501 (7.05)	471 (10.66)
TUR	481279	0.03	481137	436 (6.42)	436 (7.65)	419 (8.41)	401 (7.46)	342 (6.99)
GBR	698579	3.72	672605	512 (5.00)	512 (2.95)	506 (3.52)	484 (8.53)	427 (8.81)
USA	3147089	0.76	3123066	489 (4.57)	487 (2.85)	479 (4.02)	480 (7.23)	400 (11.44)
TOT	.	1.36	.	492 (2.04)	499 (1.12)	487 (1.29)	475 (2.29)	381 (4.23)
AVG	.	1.28	.	503 (1.11)	510 (0.67)	497 (0.75)	477 (1.11)	408 (2.82)
HKG	72484	0.21	72334	574 (8.30)	569 (4.17)	534 (4.83)	491 (8.80)	. (.)
IDN	1971476	0.02	1971153	347 (6.18)	370 (4.22)	358 (4.39)	337 (9.54)	298 (6.58)
LVA	33643	0.22	33570	488 (8.28)	491 (4.06)	475 (4.10)	466 (9.01)	416 (14.27)
LIE	338	.	338	539 (12.87)	541 (6.18)	515 (14.11)	. (.)	. (.)
MAC	6546	.	6546	529 (10.77)	542 (3.78)	507 (6.39)	505 (13.91)	. (.)
RUS	2153373	0.02	2152991	498 (7.03)	478 (4.26)	455 (4.49)	467 (9.61)	369 (7.26)
YUG	68596	0.57	68205	441 (5.45)	447 (3.72)	432 (5.52)	427 (6.53)	363 (10.07)
THA	637076	.	637076	429 (6.89)	417 (2.92)	412 (3.74)	408 (11.11)	380 (12.17)
TUN	150875	0.07	150770	359 (2.98)	364 (3.30)	364 (4.34)	356 (5.76)	301 (5.95)
URY	33775	0.17	33719	430 (5.43)	432 (3.16)	418 (5.00)	417 (8.89)	330 (6.69)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics, I enjoy helping others to work well in a group.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	529 (3.80)	533 (2.26)	517 (3.11)	503 (6.26)	432 (8.36)
AUT	85931	1.08	85003	498 (5.13)	499 (4.28)	483 (3.49)	485 (6.26)	436 (22.62)
BEL	111831	1.79	109825	500 (5.14)	527 (2.57)	512 (3.33)	485 (6.47)	374 (15.19)
CAN	330436	9.70	298375	531 (3.46)	525 (2.02)	521 (2.88)	508 (5.55)	473 (8.92)
CZE	121183	4.06	116258	526 (6.93)	538 (3.20)	511 (3.94)	504 (8.07)	447 (25.57)
DNK	51741	0.65	51406	487 (5.25)	480 (2.87)	474 (4.88)	454 (10.57)	372 (13.65)
FIN	57884	0.07	57845	570 (5.70)	555 (2.25)	534 (2.86)	520 (7.28)	523 (14.86)
FRA	734579	0.87	728167	509 (6.76)	528 (3.78)	509 (3.24)	484 (7.26)	421 (12.92)
DEU	884358	5.57	835070	517 (5.48)	523 (3.73)	500 (4.34)	495 (7.12)	390 (13.38)
GRC	105131	0.13	104991	494 (5.50)	486 (3.95)	473 (4.40)	460 (7.47)	388 (13.00)
HUN	107044	0.06	106984	519 (6.49)	510 (3.20)	493 (3.37)	491 (6.43)	424 (17.25)
ISL	3928	0.63	3903	502 (5.51)	501 (2.58)	493 (2.93)	470 (6.18)	403 (20.20)
IRL	54850	1.03	54285	502 (6.45)	509 (2.97)	506 (3.66)	485 (7.38)	432 (13.50)
ITA	481521	0.39	479622	487 (4.93)	492 (3.28)	481 (4.61)	475 (6.26)	406 (19.69)
JPN	1240054	0.10	1238855	565 (8.45)	572 (4.22)	539 (4.53)	507 (6.60)	452 (24.12)
KOR	533504	0.08	533080	585 (5.68)	567 (4.14)	519 (3.93)	504 (4.80)	. (.)
LUX	4080	0.08	4077	464 (5.38)	486 (2.77)	493 (3.03)	489 (4.62)	419 (10.24)
MEX	1071650	0.37	1067674	407 (5.76)	411 (3.45)	412 (3.50)	413 (10.06)	337 (7.25)
NLD	184943	3.35	178741	508 (8.31)	533 (3.60)	534 (4.46)	497 (8.80)	470 (9.82)
NZL	48638	2.04	47646	508 (5.57)	524 (2.72)	532 (3.81)	506 (9.78)	449 (17.30)
NOR	52816	0.77	52407	509 (6.64)	503 (3.51)	469 (3.58)	433 (5.43)	391 (10.99)
POL	534900	.	534900	518 (7.14)	507 (3.46)	483 (3.39)	486 (7.22)	404 (13.10)
PRT	96857	0.23	96637	486 (4.81)	471 (3.70)	448 (5.66)	440 (11.05)	420 (13.80)
SVK	77067	0.03	77043	499 (7.50)	500 (3.59)	483 (5.30)	473 (12.97)	391 (26.11)
ESP	344372	0.07	344114	492 (5.77)	496 (2.55)	482 (4.04)	443 (7.37)	384 (16.13)
SWE	107104	0.23	106861	514 (7.87)	512 (3.06)	505 (4.06)	491 (7.27)	439 (20.85)
CHE	86491	0.14	86370	512 (4.21)	521 (4.23)	509 (3.62)	482 (10.46)	459 (10.65)
TUR	481279	0.03	481137	442 (6.30)	444 (6.75)	429 (7.58)	422 (8.01)	374 (6.52)
GBR	698579	3.72	672605	523 (5.42)	524 (3.13)	516 (3.97)	493 (9.34)	414 (10.34)
USA	3147089	0.76	3123066	491 (4.62)	495 (2.95)	493 (4.24)	501 (7.95)	387 (15.32)
TOT	.	1.36	.	495 (2.09)	505 (1.09)	495 (1.35)	489 (2.47)	386 (4.33)
AVG	.	1.28	.	500 (1.11)	509 (0.63)	498 (0.82)	482 (1.34)	404 (2.83)
HKG	72484	0.21	72334	551 (7.81)	554 (3.93)	528 (4.69)	493 (9.04)	. (.)
IDN	1971476	0.02	1971153	388 (4.78)	402 (3.46)	392 (3.53)	380 (7.82)	353 (6.53)
LVA	33643	0.22	33570	494 (8.20)	498 (4.20)	480 (4.53)	474 (9.39)	419 (14.21)
LIE	338	.	338	528 (14.00)	530 (7.30)	511 (14.63)	. (.)	. (.)
MAC	6546	.	6546	532 (10.26)	540 (3.99)	505 (5.91)	491 (21.34)	. (.)
RUS	2153373	0.02	2152991	515 (7.94)	500 (4.57)	477 (4.05)	488 (8.67)	377 (7.66)
YUG	68596	0.57	68205	435 (5.06)	444 (3.56)	433 (5.24)	441 (8.30)	390 (11.78)
THA	637076	.	637076	440 (5.84)	429 (2.61)	424 (3.86)	435 (14.43)	404 (13.32)
TUN	150875	0.07	150770	386 (3.19)	390 (3.23)	394 (4.43)	391 (7.23)	301 (8.19)
URY	33775	0.17	33719	444 (5.52)	448 (3.04)	437 (5.59)	426 (11.85)	352 (7.05)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics, I enjoy helping others to work well in a group.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	535 (3.80)	538 (2.05)	520 (3.05)	501 (6.62)	443 (8.51)
AUT	85931	1.08	85003	512 (4.48)	515 (3.97)	498 (3.39)	494 (5.86)	447 (16.33)
BEL	111831	1.79	109825	520 (5.62)	545 (2.38)	526 (2.88)	487 (6.56)	410 (11.05)
CAN	330436	9.70	298375	546 (2.62)	535 (1.73)	531 (2.54)	515 (4.52)	491 (6.92)
CZE	121183	4.06	116258	526 (6.83)	532 (3.17)	503 (3.93)	494 (7.12)	447 (26.41)
DNK	51741	0.65	51406	526 (4.66)	522 (2.32)	515 (4.27)	496 (9.28)	424 (12.53)
FIN	57884	0.07	57845	575 (5.37)	555 (2.06)	531 (2.77)	512 (6.84)	543 (13.59)
FRA	734579	0.87	728167	522 (5.64)	536 (3.40)	516 (2.95)	486 (4.85)	435 (11.16)
DEU	884358	5.57	835070	526 (5.28)	530 (3.48)	508 (3.96)	496 (6.07)	416 (12.84)
GRC	105131	0.13	104991	459 (6.22)	455 (4.47)	439 (4.94)	421 (8.10)	357 (13.07)
HUN	107044	0.06	106984	520 (6.20)	510 (3.41)	488 (3.15)	472 (6.45)	431 (15.76)
ISL	3928	0.63	3903	514 (4.90)	512 (2.02)	501 (2.94)	479 (5.20)	413 (17.27)
IRL	54850	1.03	54285	498 (5.63)	504 (2.63)	497 (3.08)	473 (6.15)	416 (13.01)
ITA	481521	0.39	479622	470 (4.84)	477 (3.26)	463 (4.33)	446 (6.63)	384 (20.60)
JPN	1240054	0.10	1238855	563 (6.99)	571 (4.22)	539 (4.45)	507 (6.67)	451 (29.13)
KOR	533504	0.08	533080	592 (5.98)	577 (3.43)	533 (3.36)	515 (4.08)	. (.)
LUX	4080	0.08	4077	478 (4.52)	497 (2.65)	502 (2.61)	494 (4.03)	449 (9.05)
MEX	1071650	0.37	1067674	386 (5.92)	392 (4.45)	394 (5.00)	392 (9.98)	298 (6.95)
NLD	184943	3.35	178741	509 (7.97)	529 (3.33)	527 (4.11)	488 (8.75)	458 (9.84)
NZL	48638	2.04	47646	533 (4.76)	537 (2.44)	536 (3.79)	501 (9.21)	465 (15.17)
NOR	52816	0.77	52407	515 (6.01)	508 (3.22)	472 (3.45)	430 (5.16)	437 (10.45)
POL	534900	.	534900	502 (6.25)	496 (3.09)	474 (3.36)	470 (6.08)	366 (21.65)
PRT	96857	0.23	96637	488 (4.85)	474 (3.89)	448 (5.27)	427 (12.14)	424 (13.28)
SVK	77067	0.03	77043	490 (7.37)	498 (3.06)	478 (5.39)	459 (12.15)	421 (30.62)
ESP	344372	0.07	344114	488 (5.21)	493 (2.95)	472 (3.66)	439 (6.93)	404 (11.75)
SWE	107104	0.23	106861	515 (7.35)	515 (2.80)	506 (2.97)	493 (6.33)	456 (16.68)
CHE	86491	0.14	86370	524 (4.10)	528 (3.29)	518 (3.46)	496 (7.21)	445 (11.13)
TUR	481279	0.03	481137	417 (5.79)	420 (6.67)	404 (7.64)	390 (8.04)	329 (7.55)
GBR	698579	3.72	672605	513 (4.97)	515 (2.95)	506 (3.25)	480 (8.68)	439 (9.31)
USA	3147089	0.76	3123066	481 (4.67)	483 (3.02)	473 (4.26)	474 (7.24)	388 (11.38)
TOT	.	1.36	.	489 (2.06)	499 (1.22)	489 (1.37)	480 (2.16)	375 (4.35)
AVG	.	1.28	.	501 (1.15)	509 (0.68)	497 (0.76)	478 (1.12)	405 (2.99)
HKG	72484	0.21	72334	567 (7.85)	564 (3.77)	534 (4.64)	497 (8.87)	. (.)
IDN	1971476	0.02	1971153	350 (5.58)	369 (3.51)	361 (4.03)	344 (10.06)	304 (5.34)
LVA	33643	0.22	33570	488 (8.87)	492 (4.21)	473 (4.29)	463 (8.85)	405 (15.72)
LIE	338	.	338	530 (12.16)	535 (6.50)	513 (13.96)	. (.)	. (.)
MAC	6546	.	6546	526 (8.94)	545 (3.80)	518 (5.60)	510 (13.66)	. (.)
RUS	2153373	0.02	2152991	503 (7.11)	490 (4.69)	465 (4.94)	479 (9.12)	361 (10.60)
YUG	68596	0.57	68205	420 (4.74)	431 (3.37)	420 (6.08)	413 (6.53)	342 (10.61)
THA	637076	.	637076	441 (6.63)	425 (2.62)	417 (3.80)	408 (10.57)	400 (15.44)
TUN	150875	0.07	150770	342 (2.58)	350 (2.77)	351 (4.22)	345 (7.06)	304 (5.65)
URY	33775	0.17	33719	417 (6.95)	421 (3.34)	411 (6.08)	404 (11.44)	312 (7.50)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I learn most when I work with other students in my class.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.39	234674	13.36	(0.39)	48.61	(0.54)	31.89	(0.50)	4.26	(0.21)	1.88	(0.19)
AUT	85931	1.08	85003	16.77	(0.64)	35.48	(0.90)	32.11	(0.90)	14.01	(0.60)	1.64	(0.75)
BEL	111831	1.79	109825	10.67	(0.37)	40.08	(0.67)	37.35	(0.68)	7.61	(0.37)	4.29	(0.54)
CAN	330436	9.70	298375	14.89	(0.33)	43.21	(0.55)	32.03	(0.56)	7.62	(0.29)	2.25	(0.17)
CZE	121183	4.06	116258	7.17	(0.36)	44.59	(0.77)	42.12	(0.79)	4.63	(0.35)	1.49	(0.36)
DNK	51741	0.65	51406	11.94	(0.46)	41.36	(0.91)	36.48	(0.86)	6.33	(0.36)	3.89	(0.37)
FIN	57884	0.07	57845	7.16	(0.37)	44.62	(0.74)	40.10	(0.70)	6.81	(0.37)	1.31	(0.14)
FRA	734579	0.87	728167	16.42	(0.57)	43.43	(0.90)	29.77	(0.84)	8.12	(0.43)	2.26	(0.28)
DEU	884358	5.57	835070	17.64	(0.50)	36.53	(0.78)	32.20	(0.86)	11.29	(0.46)	2.34	(0.40)
GRC	105131	0.13	104991	17.76	(0.63)	51.55	(0.82)	23.90	(0.71)	4.30	(0.35)	2.49	(0.43)
HUN	107044	0.06	106984	8.51	(0.46)	43.12	(0.80)	40.68	(0.85)	6.33	(0.38)	1.36	(0.18)
ISL	3928	0.63	3903	7.53	(0.52)	29.29	(0.75)	47.66	(0.85)	14.30	(0.59)	1.22	(0.19)
IRL	54850	1.03	54285	10.32	(0.54)	40.71	(0.94)	41.16	(0.91)	6.02	(0.38)	1.78	(0.22)
ITA	481521	0.39	479622	14.07	(0.47)	42.79	(0.64)	35.52	(0.62)	6.49	(0.31)	1.12	(0.17)
JPN	1240054	0.10	1238855	7.79	(0.46)	29.77	(0.67)	45.75	(0.77)	15.55	(0.61)	1.14	(0.36)
KOR	533504	0.08	533080	4.70	(0.33)	26.23	(0.70)	56.00	(0.72)	12.69	(0.52)	0.38	(.)
LUX	4080	0.08	4077	13.68	(0.56)	33.26	(0.78)	34.21	(0.72)	15.22	(0.54)	3.63	(0.30)
MEX	1071650	0.37	1067674	19.39	(0.70)	49.61	(0.92)	20.26	(0.64)	3.40	(0.34)	7.34	(0.59)
NLD	184943	3.35	178748	6.34	(0.45)	46.00	(0.97)	39.96	(0.83)	4.70	(0.44)	3.01	(0.44)
NZL	48638	2.04	47646	13.95	(0.48)	48.35	(0.69)	31.88	(0.60)	4.93	(0.30)	0.89	(0.15)
NOR	52816	0.77	52407	15.22	(0.63)	42.25	(0.81)	30.32	(0.67)	8.44	(0.51)	3.77	(0.48)
POL	534900	.	534900	8.66	(0.43)	51.91	(0.84)	33.78	(0.68)	4.49	(0.34)	1.16	(0.25)
PRT	96857	0.23	96637	11.91	(0.50)	48.50	(0.99)	31.50	(0.79)	6.31	(0.46)	1.79	(0.30)
SVK	77067	0.03	77043	11.15	(0.48)	56.80	(0.77)	27.34	(0.68)	3.12	(0.31)	1.59	(0.53)
ESP	344372	0.07	344114	13.63	(0.53)	51.03	(0.75)	27.53	(0.75)	5.65	(0.33)	2.16	(0.26)
SWE	107104	0.23	106861	7.88	(0.43)	37.57	(0.79)	42.31	(0.78)	10.53	(0.46)	1.72	(0.23)
CHE	86491	0.14	86370	18.95	(0.60)	39.69	(1.11)	30.26	(0.90)	8.68	(0.46)	2.43	(0.26)
TUR	481279	0.03	481137	19.71	(0.85)	45.48	(0.97)	21.67	(0.83)	5.73	(0.45)	7.41	(1.02)
GBR	698579	3.72	672605	12.60	(0.51)	48.92	(0.63)	31.64	(0.72)	4.57	(0.28)	2.27	(0.24)
USA	3147089	0.76	3123066	17.92	(0.58)	44.38	(0.71)	28.50	(0.71)	6.78	(0.45)	2.42	(0.30)
TOT	.	1.36	.	14.45	(0.19)	42.69	(0.24)	32.49	(0.25)	7.71	(0.17)	2.67	(0.11)
AVG	.	1.28	.	12.58	(0.10)	42.84	(0.16)	34.53	(0.14)	7.63	(0.09)	2.41	(0.07)
HKG	72484	0.21	72334	12.25	(0.61)	58.47	(0.72)	24.69	(0.69)	4.27	(0.36)	0.33	(.)
IDN	1971476	0.02	1971153	7.58	(0.34)	50.69	(0.77)	34.14	(0.78)	2.44	(0.23)	5.15	(0.50)
LVA	33643	0.22	33570	7.24	(0.40)	49.15	(1.09)	38.22	(0.99)	4.53	(0.36)	0.86	(0.14)
LIE	338	.	338	14.86	(1.79)	44.88	(2.77)	29.76	(2.55)	8.70	(.)	1.80	(.)
MAC	6546	.	6546	17.77	(1.27)	55.50	(1.73)	23.56	(1.29)	2.89	(0.68)	0.28	(.)
RUS	2153373	0.02	2152991	9.94	(0.47)	57.27	(0.70)	27.60	(0.65)	3.22	(0.27)	1.97	(0.27)
YUG	68596	0.60	68187	15.45	(0.60)	44.15	(1.05)	27.76	(0.83)	5.74	(0.46)	6.91	(0.91)
THA	637076	.	637076	8.49	(0.51)	58.68	(0.88)	29.94	(0.92)	1.52	(0.19)	1.36	(0.21)
TUN	150875	0.07	150770	29.71	(0.83)	41.98	(0.80)	18.50	(0.55)	4.98	(0.32)	4.84	(0.40)
URY	33775	0.17	33719	17.67	(0.65)	46.83	(0.77)	24.48	(0.73)	4.38	(0.29)	6.64	(0.57)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I learn most when I work with other students in my class.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	519 (3.34)	520 (2.53)	543 (2.41)	537 (5.45)	414 (8.44)
AUT	85931	1.08	85003	491 (4.94)	486 (4.40)	499 (4.05)	504 (6.61)	462 (28.25)
BEL	111831	1.79	109825	499 (4.60)	511 (2.91)	531 (2.81)	505 (6.57)	361 (17.63)
CAN	330436	9.70	298375	520 (3.28)	521 (1.84)	550 (1.73)	541 (3.63)	497 (7.28)
CZE	121183	4.06	116258	470 (4.94)	488 (3.10)	511 (3.37)	501 (7.63)	426 (22.51)
DNK	51741	0.65	51406	480 (5.47)	488 (2.92)	510 (2.95)	495 (7.52)	421 (13.36)
FIN	57884	0.07	57845	533 (4.96)	537 (2.10)	553 (2.21)	547 (5.24)	507 (16.16)
FRA	734579	0.87	728167	480 (4.67)	501 (3.37)	510 (3.13)	492 (6.63)	402 (12.71)
DEU	884358	5.57	835070	489 (5.32)	500 (4.00)	516 (3.97)	506 (5.53)	370 (15.21)
GRC	105131	0.13	104991	472 (5.52)	475 (4.29)	483 (4.78)	464 (8.00)	331 (16.54)
HUN	107044	0.06	106984	481 (5.40)	478 (3.00)	489 (2.93)	488 (6.41)	385 (19.47)
ISL	3928	0.63	3903	459 (6.90)	478 (3.27)	508 (2.15)	499 (4.16)	352 (23.01)
IRL	54850	1.03	54285	504 (5.47)	511 (3.25)	528 (3.25)	500 (6.69)	428 (16.60)
ITA	481521	0.39	479622	461 (5.94)	473 (3.40)	487 (3.07)	479 (7.37)	397 (19.47)
JPN	1240054	0.10	1238855	508 (6.50)	507 (4.41)	505 (4.59)	465 (6.17)	378 (29.80)
KOR	533504	0.08	533080	554 (6.08)	547 (3.39)	533 (3.25)	512 (4.65)	. (.)
LUX	4080	0.08	4077	459 (4.95)	478 (2.64)	496 (3.15)	486 (4.12)	386 (10.23)
MEX	1071650	0.37	1067674	396 (4.88)	407 (3.58)	415 (5.76)	431 (11.83)	303 (7.11)
NLD	184943	3.35	178748	511 (6.06)	515 (3.22)	524 (3.50)	503 (10.03)	497 (8.64)
NZL	48638	2.04	47646	510 (5.24)	517 (3.22)	543 (3.01)	522 (8.60)	453 (20.25)
NOR	52816	0.77	52407	494 (4.57)	498 (3.30)	522 (3.68)	477 (7.31)	428 (11.37)
POL	534900	.	534900	487 (5.27)	486 (3.14)	517 (3.45)	526 (7.72)	353 (18.89)
PRT	96857	0.23	96637	474 (5.79)	471 (4.17)	490 (4.21)	481 (7.99)	449 (15.22)
SVK	77067	0.03	77043	457 (4.73)	465 (3.43)	487 (3.61)	477 (9.85)	375 (25.41)
ESP	344372	0.07	344114	472 (5.49)	483 (2.47)	494 (3.46)	448 (6.84)	385 (13.70)
SWE	107104	0.23	106861	505 (6.77)	511 (3.15)	523 (2.80)	514 (5.43)	423 (20.65)
CHE	86491	0.14	86370	495 (4.93)	500 (3.20)	505 (3.80)	501 (8.20)	438 (15.02)
TUR	481279	0.03	481137	441 (5.78)	442 (5.49)	464 (9.18)	443 (8.00)	367 (7.70)
GBR	698579	3.72	672605	498 (4.23)	503 (2.91)	522 (4.25)	507 (8.16)	422 (10.25)
USA	3147089	0.76	3123066	480 (4.61)	489 (3.34)	519 (3.88)	520 (7.04)	388 (13.07)
TOT	.	1.36	.	474 (1.95)	485 (1.32)	509 (1.32)	494 (2.44)	370 (4.76)
AVG	.	1.28	.	482 (1.05)	491 (0.74)	512 (0.66)	496 (1.27)	395 (3.38)
HKG	72484	0.21	72334	523 (3.85)	516 (3.59)	500 (4.33)	454 (9.58)	. (.)
IDN	1971476	0.02	1971153	364 (5.65)	387 (3.64)	388 (3.58)	371 (9.08)	314 (7.76)
LVA	33643	0.22	33570	479 (8.54)	483 (3.87)	504 (3.80)	502 (9.90)	388 (19.15)
LIE	338	.	338	507 (12.75)	522 (6.57)	538 (7.47)	. (.)	. (.)
MAC	6546	.	6546	505 (5.53)	499 (3.11)	493 (5.15)	473 (15.01)	. (.)
RUS	2153373	0.02	2152991	447 (5.64)	439 (4.17)	453 (4.51)	458 (9.78)	331 (11.26)
YUG	68596	0.60	68187	401 (4.84)	413 (3.46)	430 (4.13)	429 (6.86)	344 (12.39)
THA	637076	.	637076	421 (5.35)	417 (3.05)	427 (3.20)	439 (13.41)	374 (13.31)
TUN	150875	0.07	150770	367 (4.63)	380 (3.35)	391 (4.51)	395 (6.86)	295 (7.32)
URY	33775	0.17	33719	421 (5.72)	435 (3.90)	464 (5.08)	451 (10.15)	339 (8.28)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I learn most when I work with other students in my class.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	515 (3.18)	518 (2.37)	543 (2.53)	539 (5.17)	427 (8.44)
AUT	85931	1.08	85003	491 (4.64)	500 (3.85)	518 (3.78)	525 (5.26)	474 (11.80)
BEL	111831	1.79	109825	512 (3.85)	532 (2.89)	556 (2.72)	529 (5.85)	394 (15.38)
CAN	330436	9.70	298375	523 (2.63)	523 (1.87)	557 (1.84)	554 (3.94)	504 (6.97)
CZE	121183	4.06	116258	496 (4.85)	511 (3.58)	540 (3.34)	534 (8.67)	460 (22.49)
DNK	51741	0.65	51406	489 (5.01)	505 (2.91)	537 (2.93)	536 (6.98)	454 (12.21)
FIN	57884	0.07	57845	531 (4.41)	535 (2.31)	557 (2.29)	549 (6.07)	507 (12.70)
FRA	734579	0.87	728167	490 (4.34)	512 (2.89)	531 (3.27)	509 (5.99)	428 (11.51)
DEU	884358	5.57	835070	494 (5.25)	510 (3.80)	528 (3.93)	517 (4.97)	407 (13.04)
GRC	105131	0.13	104991	444 (4.30)	443 (4.38)	458 (4.39)	442 (9.08)	369 (12.81)
HUN	107044	0.06	106984	481 (5.56)	485 (3.44)	499 (3.28)	497 (7.72)	405 (17.47)
ISL	3928	0.63	3903	486 (6.09)	501 (3.09)	530 (1.98)	522 (4.25)	419 (18.89)
IRL	54850	1.03	54285	486 (5.00)	497 (2.85)	517 (3.00)	488 (6.20)	430 (12.77)
ITA	481521	0.39	479622	445 (5.77)	463 (3.24)	478 (3.48)	476 (6.41)	402 (15.47)
JPN	1240054	0.10	1238855	542 (7.08)	538 (4.80)	545 (4.27)	499 (5.99)	448 (22.18)
KOR	533504	0.08	533080	576 (6.50)	562 (3.96)	540 (3.38)	504 (4.64)	. (.)
LUX	4080	0.08	4077	466 (4.37)	488 (2.44)	510 (2.27)	503 (3.73)	437 (7.49)
MEX	1071650	0.37	1067674	381 (4.41)	390 (3.31)	401 (5.38)	414 (9.37)	307 (6.72)
NLD	184943	3.35	178748	526 (6.43)	539 (3.38)	556 (3.92)	526 (10.84)	488 (8.31)
NZL	48638	2.04	47646	507 (4.70)	518 (2.72)	547 (2.88)	524 (9.10)	460 (17.04)
NOR	52816	0.77	52407	478 (4.24)	491 (3.01)	521 (3.31)	486 (6.25)	425 (9.10)
POL	534900	.	534900	481 (4.51)	476 (2.66)	514 (3.34)	524 (7.72)	372 (13.62)
PRT	96857	0.23	96637	459 (5.87)	458 (3.50)	482 (3.99)	473 (8.28)	434 (10.91)
SVK	77067	0.03	77043	474 (4.96)	492 (3.58)	523 (3.69)	526 (9.95)	419 (25.54)
ESP	344372	0.07	344114	476 (4.94)	488 (2.37)	497 (2.90)	459 (5.64)	404 (12.42)
SWE	107104	0.23	106861	500 (6.43)	504 (3.16)	519 (3.13)	511 (5.72)	430 (16.81)
CHE	86491	0.14	86370	512 (5.10)	525 (3.26)	537 (4.10)	539 (6.99)	477 (16.45)
TUR	481279	0.03	481137	419 (6.58)	424 (6.36)	453 (10.42)	432 (8.38)	341 (6.96)
GBR	698579	3.72	672605	499 (4.84)	502 (2.71)	526 (4.13)	509 (8.18)	431 (9.29)
USA	3147089	0.76	3123066	467 (4.07)	475 (3.25)	507 (3.52)	510 (7.47)	403 (11.15)
TOT	.	1.36	.	469 (1.98)	482 (1.25)	515 (1.14)	502 (2.41)	383 (4.45)
AVG	.	1.28	.	480 (1.11)	494 (0.73)	522 (0.65)	508 (1.24)	410 (2.87)
HKG	72484	0.21	72334	568 (5.39)	559 (4.41)	535 (5.54)	483 (10.96)	. (.)
IDN	1971476	0.02	1971153	341 (5.08)	365 (4.53)	368 (4.01)	350 (8.97)	294 (6.60)
LVA	33643	0.22	33570	469 (6.24)	473 (3.80)	499 (4.19)	500 (10.29)	400 (20.17)
LIE	338	.	338	507 (15.68)	528 (6.88)	555 (9.28)	. (.)	. (.)
MAC	6546	.	6546	531 (7.99)	530 (4.10)	524 (6.72)	499 (16.26)	. (.)
RUS	2153373	0.02	2152991	473 (5.72)	464 (4.46)	481 (4.78)	487 (9.33)	382 (8.65)
YUG	68596	0.60	68187	425 (5.60)	437 (3.63)	459 (4.34)	453 (6.57)	365 (10.28)
THA	637076	.	637076	417 (5.39)	415 (3.23)	422 (3.30)	419 (8.77)	378 (11.50)
TUN	150875	0.07	150770	357 (3.30)	362 (3.09)	367 (3.99)	369 (5.86)	302 (5.81)
URY	33775	0.17	33719	405 (5.11)	422 (3.64)	455 (3.94)	447 (9.53)	332 (6.52)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I learn most when I work with other students in my class.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	516 (3.41)	519 (2.40)	543 (2.63)	543 (5.40)	424 (8.38)
AUT	85931	1.08	85003	482 (4.91)	485 (4.20)	502 (3.77)	510 (5.81)	461 (15.08)
BEL	111831	1.79	109825	496 (3.73)	511 (2.76)	532 (3.01)	510 (6.15)	371 (14.75)
CAN	330436	9.70	298375	506 (3.31)	510 (2.19)	545 (1.99)	543 (4.29)	483 (7.99)
CZE	121183	4.06	116258	504 (5.67)	518 (3.44)	545 (3.54)	539 (9.53)	456 (24.51)
DNK	51741	0.65	51406	452 (6.11)	468 (3.30)	498 (3.21)	494 (8.62)	395 (12.77)
FIN	57884	0.07	57845	532 (5.04)	539 (2.39)	560 (2.46)	557 (6.06)	521 (13.95)
FRA	734579	0.87	728167	488 (5.01)	514 (3.94)	531 (3.53)	510 (7.35)	426 (16.38)
DEU	884358	5.57	835070	494 (5.51)	510 (4.17)	527 (4.20)	521 (5.54)	392 (15.41)
GRC	105131	0.13	104991	482 (4.55)	482 (4.56)	489 (4.47)	475 (9.21)	396 (14.28)
HUN	107044	0.06	106984	505 (6.66)	498 (3.36)	510 (3.55)	512 (7.44)	418 (18.01)
ISL	3928	0.63	3903	466 (6.41)	480 (3.32)	510 (2.14)	503 (4.26)	391 (22.43)
IRL	54850	1.03	54285	487 (5.99)	498 (3.52)	521 (3.30)	496 (6.86)	441 (13.84)
ITA	481521	0.39	479622	468 (6.02)	483 (3.39)	498 (3.57)	501 (6.53)	406 (19.60)
JPN	1240054	0.10	1238855	553 (6.91)	554 (4.89)	556 (4.58)	517 (6.55)	439 (25.66)
KOR	533504	0.08	533080	564 (7.47)	556 (4.15)	535 (3.78)	511 (5.33)	. (.)
LUX	4080	0.08	4077	457 (4.92)	479 (2.71)	499 (2.85)	494 (4.85)	409 (9.35)
MEX	1071650	0.37	1067674	402 (4.10)	409 (3.43)	417 (4.76)	438 (11.48)	336 (7.57)
NLD	184943	3.35	178748	515 (7.18)	525 (3.91)	540 (3.83)	514 (11.44)	478 (10.59)
NZL	48638	2.04	47646	498 (5.23)	513 (2.95)	548 (3.00)	536 (8.95)	451 (18.99)
NOR	52816	0.77	52407	469 (4.88)	481 (3.28)	512 (3.76)	474 (6.93)	395 (9.89)
POL	534900	.	534900	489 (5.46)	482 (3.09)	522 (3.74)	540 (8.29)	403 (16.47)
PRT	96857	0.23	96637	466 (6.51)	460 (3.67)	482 (4.11)	476 (8.87)	415 (13.69)
SVK	77067	0.03	77043	482 (5.31)	488 (4.12)	517 (3.93)	521 (9.90)	396 (23.10)
ESP	344372	0.07	344114	476 (5.42)	489 (2.65)	502 (3.51)	461 (7.06)	389 (16.16)
SWE	107104	0.23	106861	500 (6.53)	501 (3.45)	515 (3.54)	508 (6.02)	416 (20.42)
CHE	86491	0.14	86370	503 (5.70)	512 (3.50)	523 (4.20)	521 (10.11)	466 (16.60)
TUR	481279	0.03	481137	428 (5.98)	434 (5.61)	460 (9.53)	443 (8.59)	372 (6.36)
GBR	698579	3.72	672605	511 (4.71)	514 (2.89)	536 (4.28)	519 (9.75)	419 (10.76)
USA	3147089	0.76	3123066	470 (4.56)	483 (3.32)	518 (3.53)	529 (7.53)	391 (15.48)
TOT	.	1.36	.	475 (1.90)	490 (1.28)	521 (1.15)	513 (2.70)	387 (4.56)
AVG	.	1.28	.	482 (1.07)	495 (0.72)	520 (0.66)	508 (1.38)	406 (2.81)
HKG	72484	0.21	72334	554 (4.72)	546 (4.22)	529 (5.23)	484 (10.61)	. (.)
IDN	1971476	0.02	1971153	386 (3.92)	400 (3.47)	397 (3.77)	387 (8.54)	348 (5.79)
LVA	33643	0.22	33570	479 (7.04)	481 (3.99)	502 (4.26)	508 (11.72)	405 (19.28)
LIE	338	.	338	502 (14.29)	518 (8.33)	543 (10.06)	. (.)	. (.)
MAC	6546	.	6546	534 (7.09)	526 (4.51)	520 (6.16)	489 (18.86)	. (.)
RUS	2153373	0.02	2152991	495 (6.72)	485 (4.30)	501 (4.76)	506 (9.96)	387 (9.99)
YUG	68596	0.60	68187	422 (5.02)	434 (3.56)	455 (4.11)	462 (7.60)	391 (12.01)
THA	637076	.	637076	432 (4.91)	426 (2.99)	434 (3.30)	445 (10.85)	399 (11.94)
TUN	150875	0.07	150770	385 (3.24)	388 (3.01)	393 (4.05)	401 (6.75)	301 (8.03)
URY	33775	0.17	33719	427 (5.06)	437 (3.40)	468 (4.22)	462 (10.43)	352 (6.87)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

In Mathematics I learn most when I work with other students in my class.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	522 (3.02)	524 (2.28)	547 (2.33)	541 (5.78)	436 (8.85)
AUT	85931	1.08	85003	491 (4.63)	502 (3.80)	518 (3.55)	524 (5.29)	465 (12.44)
BEL	111831	1.79	109825	511 (3.75)	527 (2.87)	549 (2.63)	523 (6.63)	407 (10.53)
CAN	330436	9.70	298375	519 (2.79)	522 (1.83)	554 (1.82)	551 (3.87)	500 (7.20)
CZE	121183	4.06	116258	497 (5.02)	513 (3.61)	538 (3.34)	530 (8.21)	457 (25.30)
DNK	51741	0.65	51406	492 (4.40)	509 (2.78)	538 (2.55)	538 (6.77)	448 (12.53)
FIN	57884	0.07	57845	539 (4.78)	539 (2.14)	559 (2.34)	549 (5.74)	537 (14.34)
FRA	734579	0.87	728167	502 (4.53)	522 (3.32)	536 (3.42)	512 (5.91)	435 (12.61)
DEU	884358	5.57	835070	506 (5.07)	518 (3.77)	533 (3.76)	522 (4.77)	417 (14.67)
GRC	105131	0.13	104991	446 (4.93)	449 (4.40)	461 (4.65)	440 (9.62)	363 (13.42)
HUN	107044	0.06	106984	495 (5.97)	497 (3.48)	508 (3.30)	506 (7.58)	428 (15.50)
ISL	3928	0.63	3903	478 (5.76)	488 (2.89)	520 (1.91)	513 (4.13)	401 (20.11)
IRL	54850	1.03	54285	483 (5.15)	494 (2.90)	512 (2.91)	484 (5.91)	423 (13.53)
ITA	481521	0.39	479622	445 (5.92)	467 (3.53)	484 (3.26)	478 (7.02)	385 (16.07)
JPN	1240054	0.10	1238855	545 (7.12)	550 (4.84)	559 (4.28)	517 (6.34)	436 (34.69)
KOR	533504	0.08	533080	576 (6.25)	565 (3.81)	549 (3.23)	521 (4.86)	. (.)
LUX	4080	0.08	4077	466 (4.45)	490 (2.67)	511 (2.61)	501 (3.94)	437 (8.58)
MEX	1071650	0.37	1067674	379 (5.05)	391 (3.90)	401 (6.51)	413 (10.41)	297 (6.81)
NLD	184943	3.35	178748	508 (6.15)	520 (3.53)	535 (3.94)	507 (10.76)	462 (9.97)
NZL	48638	2.04	47646	519 (4.57)	528 (2.76)	554 (2.81)	530 (9.19)	469 (16.93)
NOR	52816	0.77	52407	476 (4.55)	486 (3.17)	515 (3.39)	473 (7.27)	439 (10.52)
POL	534900	.	534900	479 (5.23)	475 (2.61)	507 (3.59)	519 (7.90)	350 (22.46)
PRT	96857	0.23	96637	465 (6.50)	464 (4.04)	485 (4.41)	472 (8.01)	421 (14.07)
SVK	77067	0.03	77043	468 (5.27)	486 (3.55)	515 (3.79)	511 (10.63)	423 (28.26)
ESP	344372	0.07	344114	470 (5.64)	485 (2.61)	495 (3.39)	454 (6.62)	409 (13.34)
SWE	107104	0.23	106861	499 (6.33)	504 (2.94)	518 (3.03)	511 (5.01)	443 (16.20)
CHE	86491	0.14	86370	511 (4.66)	521 (3.07)	531 (3.40)	534 (6.50)	450 (17.08)
TUR	481279	0.03	481137	403 (5.61)	408 (5.98)	434 (8.94)	418 (7.63)	327 (7.93)
GBR	698579	3.72	672605	502 (4.38)	505 (2.83)	525 (3.97)	503 (8.32)	444 (9.48)
USA	3147089	0.76	3123066	458 (4.28)	470 (3.28)	503 (3.79)	503 (7.19)	392 (12.10)
TOT	.	1.36	.	467 (2.00)	483 (1.36)	516 (1.19)	505 (2.27)	376 (4.87)
AVG	.	1.28	.	481 (1.13)	494 (0.76)	521 (0.64)	507 (1.16)	407 (3.04)
HKG	72484	0.21	72334	564 (4.64)	555 (4.21)	535 (4.99)	489 (11.17)	. (.)
IDN	1971476	0.02	1971153	342 (5.00)	366 (3.78)	368 (3.45)	358 (7.94)	302 (5.17)
LVA	33643	0.22	33570	468 (7.45)	474 (4.10)	498 (4.58)	494 (9.55)	379 (21.12)
LIE	338	.	338	503 (13.95)	523 (6.78)	547 (8.48)	. (.)	. (.)
MAC	6546	.	6546	533 (6.24)	535 (4.14)	530 (6.19)	510 (18.48)	. (.)
RUS	2153373	0.02	2152991	482 (6.07)	474 (4.79)	492 (5.17)	495 (10.39)	373 (10.94)
YUG	68596	0.60	68187	406 (4.75)	422 (3.29)	443 (4.04)	431 (6.04)	342 (11.08)
THA	637076	.	637076	426 (6.06)	423 (2.96)	429 (3.71)	429 (11.15)	390 (15.96)
TUN	150875	0.07	150770	340 (3.32)	348 (2.63)	351 (3.88)	357 (5.73)	308 (5.98)
URY	33775	0.17	33719	394 (6.88)	411 (3.86)	443 (4.71)	441 (9.87)	311 (7.28)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I try to do better than others.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree % (SE)	Agree % (SE)	Disagree % (SE)	Strongly Disagree % (SE)	Missing % (SE)
AUS	235591	0.39	234674	10.75 (0.39)	35.42 (0.52)	45.82 (0.64)	6.15 (0.31)	1.85 (0.19)
AUT	85931	1.08	85003	8.41 (0.42)	22.56 (0.72)	42.98 (0.78)	24.29 (0.87)	1.76 (0.76)
BEL	111831	1.79	109825	6.76 (0.36)	27.68 (0.60)	49.59 (0.72)	11.61 (0.40)	4.36 (0.56)
CAN	330436	9.70	298375	11.05 (0.40)	32.46 (0.44)	45.70 (0.52)	8.47 (0.28)	2.31 (0.16)
CZE	121183	4.06	116258	5.58 (0.31)	27.23 (0.68)	58.46 (0.81)	7.58 (0.41)	1.15 (0.36)
DNK	51741	0.65	51406	10.88 (0.47)	37.27 (0.82)	40.30 (0.92)	7.83 (0.36)	3.72 (0.37)
FIN	57884	0.07	57845	3.94 (0.23)	24.99 (0.52)	57.31 (0.72)	12.50 (0.42)	1.26 (0.16)
FRA	734579	0.87	728167	9.40 (0.50)	31.88 (0.74)	42.64 (0.88)	13.31 (0.55)	2.76 (0.31)
DEU	884358	5.57	835070	10.61 (0.42)	23.89 (0.65)	45.11 (0.78)	18.01 (0.60)	2.38 (0.37)
GRC	105131	0.13	104991	18.70 (0.54)	41.42 (0.71)	30.97 (0.71)	6.80 (0.54)	2.10 (0.42)
HUN	107044	0.06	106984	6.08 (0.36)	28.99 (0.76)	52.94 (0.96)	10.69 (0.50)	1.30 (0.18)
ISL	3928	0.63	3903	9.27 (0.45)	27.22 (0.73)	48.87 (0.80)	13.13 (0.74)	1.51 (0.22)
IRL	54850	1.03	54285	8.67 (0.54)	29.10 (0.74)	51.52 (0.90)	9.01 (0.47)	1.71 (0.26)
ITA	481521	0.39	479622	9.29 (0.47)	37.22 (0.80)	44.20 (0.80)	8.11 (0.54)	1.18 (0.16)
JPN	1240054	0.10	1238855	15.79 (0.51)	34.61 (0.85)	34.29 (0.79)	14.40 (0.65)	0.90 (0.33)
KOR	533504	0.08	533080	9.04 (0.37)	30.09 (0.75)	46.90 (0.70)	13.60 (0.53)	0.36 (.)
LUX	4080	0.08	4077	11.82 (0.49)	25.75 (0.76)	41.17 (0.74)	17.79 (0.62)	3.47 (0.32)
MEX	1071650	0.37	1067674	21.96 (0.73)	48.55 (0.78)	19.16 (0.51)	3.14 (0.31)	7.19 (0.57)
NLD	184943	3.32	178808	3.17 (0.33)	25.21 (0.97)	58.48 (1.18)	10.11 (0.59)	3.03 (0.47)
NZL	48638	2.04	47646	9.92 (0.52)	36.92 (0.89)	45.95 (0.93)	6.57 (0.43)	0.64 (.)
NOR	52816	0.77	52407	7.17 (0.45)	24.48 (0.81)	47.90 (0.85)	17.15 (0.60)	3.30 (0.48)
POL	534900	.	534900	7.26 (0.43)	32.01 (0.79)	52.36 (0.92)	7.29 (0.43)	1.08 (0.22)
PRT	96857	0.23	96637	8.57 (0.47)	37.08 (0.74)	44.16 (0.78)	8.32 (0.41)	1.86 (0.28)
SVK	77067	0.03	77043	6.59 (0.39)	34.67 (0.78)	52.22 (0.77)	4.99 (0.38)	1.52 (0.53)
ESP	344372	0.07	344114	11.18 (0.51)	38.10 (0.73)	40.02 (0.85)	8.59 (0.38)	2.10 (0.27)
SWE	107104	0.23	106861	7.16 (0.45)	25.74 (0.64)	52.24 (0.87)	12.74 (0.58)	2.12 (0.29)
CHE	86491	0.14	86370	8.54 (0.39)	23.75 (0.66)	44.89 (0.75)	20.20 (0.69)	2.62 (0.26)
TUR	481279	0.03	481137	21.74 (0.90)	41.29 (0.95)	23.63 (0.84)	4.89 (0.38)	8.44 (1.08)
GBR	698579	3.72	672605	10.05 (0.43)	35.56 (0.79)	45.27 (0.85)	6.73 (0.32)	2.38 (0.25)
USA	3147089	0.76	3123066	14.53 (0.54)	37.31 (0.61)	38.65 (0.82)	7.12 (0.35)	2.40 (0.31)
TOT	.	1.36	.	12.97 (0.18)	35.23 (0.23)	39.69 (0.28)	9.41 (0.16)	2.70 (0.12)
AVG	.	1.28	.	10.14 (0.07)	31.97 (0.14)	44.75 (0.15)	10.71 (0.10)	2.43 (0.08)
HKG	72484	0.21	72334	7.89 (0.43)	36.99 (0.89)	48.17 (0.71)	6.64 (0.42)	0.31 (.)
IDN	1971476	0.02	1971109	8.62 (0.67)	41.11 (0.79)	42.30 (1.01)	2.94 (0.24)	5.03 (0.51)
LVA	33643	0.22	33570	4.98 (0.39)	36.19 (1.16)	49.65 (1.12)	6.21 (0.41)	2.97 (0.40)
LIE	338	.	338	9.03 (.)	22.33 (2.54)	46.70 (2.66)	21.03 (2.20)	0.91 (.)
MAC	6546	.	6546	9.15 (1.06)	33.16 (1.51)	51.65 (1.56)	5.88 (0.87)	0.15 (.)
RUS	2153373	0.02	2152991	6.04 (0.44)	27.71 (0.72)	50.41 (0.86)	5.58 (0.32)	10.27 (0.73)
YUG	68596	0.60	68187	9.51 (0.53)	26.00 (0.80)	45.44 (0.99)	11.89 (0.65)	7.17 (0.91)
THA	637076	.	637076	6.72 (0.41)	54.35 (0.83)	35.53 (0.93)	2.12 (0.23)	1.28 (0.19)
TUN	150875	0.07	150770	30.08 (0.77)	40.86 (0.81)	18.95 (0.69)	5.35 (0.37)	4.76 (0.37)
URY	33775	0.17	33719	7.56 (0.44)	19.74 (0.82)	49.47 (0.95)	16.17 (0.59)	7.06 (0.54)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I try to do better than others.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	531 (3.69)	521 (2.46)	533 (2.17)	523 (5.22)	413 (8.63)
AUT	85931	1.08	85003	459 (7.92)	482 (5.16)	499 (3.48)	508 (3.82)	457 (31.14)
BEL	111831	1.79	109825	484 (6.57)	507 (3.89)	527 (2.37)	517 (5.43)	363 (17.14)
CAN	330436	9.70	298375	534 (4.62)	525 (2.26)	539 (1.67)	524 (3.77)	487 (7.77)
CZE	121183	4.06	116258	489 (6.42)	498 (3.63)	497 (3.22)	501 (5.76)	409 (30.25)
DNK	51741	0.65	51406	499 (5.61)	492 (3.10)	498 (2.85)	492 (6.32)	420 (12.69)
FIN	57884	0.07	57845	546 (7.60)	546 (2.67)	544 (1.83)	540 (3.91)	508 (16.62)
FRA	734579	0.87	728167	483 (5.99)	493 (3.77)	510 (3.06)	494 (4.69)	412 (11.25)
DEU	884358	5.57	835070	467 (6.54)	486 (4.33)	517 (3.36)	518 (5.03)	376 (15.28)
GRC	105131	0.13	104991	481 (5.10)	476 (4.79)	474 (4.17)	462 (7.82)	325 (18.68)
HUN	107044	0.06	106984	475 (7.43)	479 (3.64)	485 (2.84)	491 (5.10)	380 (19.70)
ISL	3928	0.63	3903	478 (6.67)	488 (3.18)	503 (2.38)	486 (5.63)	379 (21.02)
IRL	54850	1.03	54285	510 (6.30)	510 (3.72)	523 (2.83)	511 (4.81)	404 (17.98)
ITA	481521	0.39	479622	449 (7.17)	467 (3.93)	491 (3.21)	480 (5.57)	397 (20.99)
JPN	1240054	0.10	1238855	509 (5.05)	509 (3.94)	501 (4.56)	464 (6.95)	333 (34.78)
KOR	533504	0.08	533080	572 (4.05)	558 (3.35)	522 (3.40)	505 (4.32)	. (.)
LUX	4080	0.08	4077	463 (6.31)	474 (3.43)	493 (2.77)	489 (3.45)	369 (10.78)
MEX	1071650	0.37	1067674	407 (6.07)	408 (3.70)	414 (4.27)	372 (12.46)	300 (7.34)
NLD	184943	3.32	178808	490 (10.13)	505 (4.06)	524 (3.13)	525 (5.99)	487 (8.74)
NZL	48638	2.04	47646	510 (6.27)	516 (3.33)	535 (3.02)	518 (6.51)	. (.)
NOR	52816	0.77	52407	495 (7.80)	499 (3.84)	512 (2.91)	486 (5.70)	419 (15.33)
POL	534900	.	534900	504 (6.58)	491 (3.80)	502 (3.35)	496 (6.32)	375 (21.77)
PRT	96857	0.23	96637	471 (6.21)	468 (4.80)	487 (4.02)	488 (6.31)	448 (13.77)
SVK	77067	0.03	77043	471 (7.08)	466 (3.86)	475 (3.11)	457 (7.04)	372 (26.92)
ESP	344372	0.07	344114	484 (4.73)	485 (3.17)	487 (2.87)	453 (5.97)	379 (11.45)
SWE	107104	0.23	106861	520 (7.94)	513 (3.67)	519 (2.75)	513 (5.04)	429 (16.88)
CHE	86491	0.14	86370	467 (6.49)	484 (3.93)	508 (3.01)	519 (5.55)	424 (11.76)
TUR	481279	0.03	481137	457 (7.21)	446 (5.80)	448 (7.07)	413 (7.24)	368 (7.29)
GBR	698579	3.72	672605	494 (6.39)	500 (3.28)	519 (3.21)	512 (6.19)	420 (9.76)
USA	3147089	0.76	3123066	492 (5.07)	490 (3.58)	509 (3.26)	500 (6.72)	381 (12.68)
TOT	.	1.36	.	480 (2.18)	483 (1.40)	504 (1.15)	491 (2.14)	368 (4.51)
AVG	.	1.28	.	484 (1.30)	490 (0.81)	507 (0.66)	498 (1.09)	392 (3.43)
HKG	72484	0.21	72334	511 (6.69)	512 (3.85)	514 (3.79)	476 (7.36)	. (.)
IDN	1971476	0.02	1971109	368 (6.53)	384 (3.35)	390 (3.84)	377 (8.69)	317 (8.62)
LVA	33643	0.22	33570	506 (8.67)	499 (4.52)	488 (3.55)	485 (6.82)	409 (10.09)
LIE	338	.	338	. (.)	503 (10.55)	535 (6.56)	533 (10.89)	. (.)
MAC	6546	.	6546	503 (9.38)	498 (3.88)	497 (3.14)	497 (9.40)	. (.)
RUS	2153373	0.02	2152991	469 (6.54)	457 (4.20)	444 (3.87)	450 (6.67)	375 (6.89)
YUG	68596	0.60	68187	397 (6.26)	404 (4.08)	427 (3.47)	427 (5.67)	346 (11.68)
THA	637076	.	637076	413 (6.56)	414 (2.94)	432 (3.64)	426 (9.87)	371 (13.39)
TUN	150875	0.07	150770	376 (4.65)	380 (3.50)	382 (3.56)	378 (6.40)	293 (7.44)
URY	33775	0.17	33719	404 (8.54)	416 (6.22)	453 (3.60)	456 (5.38)	338 (7.88)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I try to do better than others.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	546 (3.56)	527 (2.42)	525 (2.22)	504 (4.82)	426 (8.23)
AUT	85931	1.08	85003	498 (6.61)	508 (4.49)	510 (3.10)	507 (4.22)	464 (16.59)
BEL	111831	1.79	109825	515 (6.06)	535 (3.70)	547 (2.44)	530 (4.49)	394 (14.94)
CAN	330436	9.70	298375	557 (3.78)	536 (2.25)	536 (1.84)	518 (3.37)	498 (7.28)
CZE	121183	4.06	116258	533 (6.22)	533 (3.52)	519 (3.66)	518 (5.79)	436 (30.66)
DNK	51741	0.65	51406	548 (5.44)	520 (3.23)	511 (3.11)	491 (6.11)	457 (11.76)
FIN	57884	0.07	57845	585 (8.21)	561 (2.59)	540 (2.02)	520 (4.05)	512 (14.03)
FRA	734579	0.87	728167	512 (5.82)	515 (3.33)	521 (2.83)	494 (4.44)	432 (10.62)
DEU	884358	5.57	835070	499 (6.15)	505 (4.54)	522 (3.35)	513 (4.95)	410 (13.09)
GRC	105131	0.13	104991	469 (4.73)	448 (4.32)	437 (4.47)	425 (6.63)	357 (13.00)
HUN	107044	0.06	106984	499 (7.40)	494 (4.09)	490 (3.03)	486 (4.98)	401 (18.26)
ISL	3928	0.63	3903	524 (5.54)	522 (2.94)	520 (2.06)	488 (4.61)	443 (17.20)
IRL	54850	1.03	54285	514 (6.44)	506 (3.42)	505 (2.73)	485 (4.78)	412 (12.79)
ITA	481521	0.39	479622	456 (6.30)	464 (3.97)	472 (3.20)	460 (4.75)	404 (15.24)
JPN	1240054	0.10	1238855	550 (5.19)	544 (4.02)	538 (4.98)	492 (6.23)	417 (23.32)
KOR	533504	0.08	533080	603 (5.04)	574 (3.74)	525 (3.56)	495 (4.20)	. (.)
LUX	4080	0.08	4077	492 (4.62)	493 (3.12)	499 (2.06)	493 (3.05)	423 (7.81)
MEX	1071650	0.37	1067674	397 (4.95)	392 (3.48)	390 (4.32)	359 (11.75)	303 (6.55)
NLD	184943	3.32	178808	534 (10.92)	537 (4.18)	550 (3.35)	537 (5.95)	477 (7.44)
NZL	48638	2.04	47646	535 (6.20)	526 (2.98)	528 (2.47)	502 (6.06)	. (.)
NOR	52816	0.77	52407	512 (6.53)	506 (3.50)	502 (2.72)	470 (4.43)	423 (11.08)
POL	534900	.	534900	521 (6.04)	493 (3.38)	489 (2.75)	471 (6.78)	387 (17.38)
PRT	96857	0.23	96637	477 (5.80)	464 (4.32)	469 (3.48)	458 (6.02)	436 (10.21)
SVK	77067	0.03	77043	508 (8.46)	502 (3.56)	499 (3.47)	476 (7.14)	416 (26.89)
ESP	344372	0.07	344114	500 (4.34)	492 (3.00)	486 (2.84)	454 (5.03)	401 (10.44)
SWE	107104	0.23	106861	543 (7.00)	519 (3.60)	507 (2.93)	491 (5.22)	436 (14.33)
CHE	86491	0.14	86370	512 (6.22)	520 (3.48)	531 (3.43)	538 (6.33)	462 (11.14)
TUR	481279	0.03	481137	447 (7.75)	428 (7.07)	429 (8.39)	392 (7.42)	342 (6.44)
GBR	698579	3.72	672605	512 (5.72)	508 (3.35)	513 (3.14)	497 (5.55)	426 (9.75)
USA	3147089	0.76	3123066	488 (4.84)	481 (3.34)	490 (3.14)	479 (6.18)	397 (11.53)
TOT	.	1.36	.	489 (2.14)	487 (1.27)	501 (1.16)	486 (1.91)	379 (4.16)
AVG	.	1.28	.	502 (1.32)	500 (0.84)	508 (0.64)	493 (1.13)	406 (2.86)
HKG	72484	0.21	72334	568 (8.20)	559 (4.73)	549 (4.56)	503 (7.65)	. (.)
IDN	1971476	0.02	1971109	353 (6.75)	366 (4.08)	365 (4.60)	348 (8.43)	296 (6.89)
LVA	33643	0.22	33570	518 (7.71)	496 (4.57)	477 (3.61)	467 (6.70)	419 (8.51)
LIE	338	.	338	. (.)	520 (11.20)	547 (7.56)	520 (11.94)	. (.)
MAC	6546	.	6546	550 (12.60)	528 (5.28)	524 (4.26)	511 (11.80)	. (.)
RUS	2153373	0.02	2152991	511 (7.60)	487 (4.66)	466 (4.33)	461 (7.22)	411 (5.37)
YUG	68596	0.60	68187	427 (6.67)	435 (3.89)	450 (3.82)	446 (5.79)	365 (9.67)
THA	637076	.	637076	418 (6.64)	413 (3.20)	424 (3.65)	416 (8.70)	377 (11.94)
TUN	150875	0.07	150770	372 (3.76)	362 (2.91)	351 (3.10)	340 (5.45)	301 (5.94)
URY	33775	0.17	33719	409 (6.97)	416 (4.62)	436 (3.51)	434 (5.87)	332 (6.17)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I try to do better than others.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	540 (4.00)	525 (2.57)	529 (2.20)	511 (5.02)	425 (8.47)
AUT	85931	1.08	85003	469 (6.68)	488 (4.55)	496 (3.42)	502 (4.22)	455 (20.26)
BEL	111831	1.79	109825	490 (6.08)	511 (3.77)	526 (2.46)	517 (4.95)	371 (14.29)
CAN	330436	9.70	298375	535 (4.18)	519 (2.57)	526 (2.36)	512 (4.04)	476 (8.64)
CZE	121183	4.06	116258	534 (6.91)	535 (3.76)	526 (3.59)	529 (6.68)	436 (34.21)
DNK	51741	0.65	51406	498 (6.56)	479 (3.61)	476 (3.32)	466 (7.18)	397 (12.34)
FIN	57884	0.07	57845	577 (9.01)	560 (2.78)	545 (2.22)	532 (4.47)	525 (14.74)
FRA	734579	0.87	728167	510 (6.80)	513 (4.25)	522 (3.40)	497 (6.06)	428 (13.64)
DEU	884358	5.57	835070	493 (6.53)	502 (4.66)	523 (3.73)	519 (5.10)	394 (14.27)
GRC	105131	0.13	104991	497 (5.36)	483 (4.19)	479 (4.55)	469 (7.95)	386 (15.18)
HUN	107044	0.06	106984	503 (7.54)	505 (4.51)	504 (2.86)	509 (5.38)	412 (18.96)
ISL	3928	0.63	3903	499 (6.51)	501 (3.28)	499 (2.58)	475 (5.17)	414 (20.33)
IRL	54850	1.03	54285	509 (7.27)	505 (4.14)	509 (2.89)	493 (5.12)	422 (14.27)
ITA	481521	0.39	479622	477 (7.25)	480 (3.96)	496 (3.50)	485 (5.50)	410 (17.65)
JPN	1240054	0.10	1238855	559 (5.41)	558 (4.19)	550 (4.82)	514 (7.31)	406 (26.98)
KOR	533504	0.08	533080	589 (4.99)	568 (4.12)	521 (4.00)	502 (4.82)	. (.)
LUX	4080	0.08	4077	477 (6.03)	481 (3.56)	491 (2.65)	489 (3.98)	392 (10.13)
MEX	1071650	0.37	1067674	417 (4.60)	410 (3.48)	409 (4.18)	382 (10.46)	331 (7.54)
NLD	184943	3.32	178808	509 (11.56)	522 (4.83)	536 (3.61)	527 (6.65)	467 (10.33)
NZL	48638	2.04	47646	522 (6.71)	519 (3.48)	529 (3.01)	509 (5.93)	. (.)
NOR	52816	0.77	52407	492 (7.49)	493 (3.80)	493 (3.21)	465 (5.74)	390 (12.51)
POL	534900	.	534900	524 (6.96)	496 (3.82)	498 (3.36)	490 (7.27)	419 (18.78)
PRT	96857	0.23	96637	473 (6.83)	463 (4.59)	473 (4.07)	473 (6.62)	415 (11.51)
SVK	77067	0.03	77043	503 (9.34)	494 (4.93)	499 (3.63)	481 (6.53)	391 (24.07)
ESP	344372	0.07	344114	498 (4.85)	494 (3.16)	489 (2.86)	459 (5.84)	385 (14.40)
SWE	107104	0.23	106861	537 (9.08)	514 (4.01)	506 (3.26)	493 (5.69)	417 (17.31)
CHE	86491	0.14	86370	491 (7.17)	505 (3.65)	519 (3.64)	525 (7.45)	454 (12.24)
TUR	481279	0.03	481137	453 (7.62)	438 (6.01)	439 (7.41)	407 (7.23)	371 (6.05)
GBR	698579	3.72	672605	514 (6.28)	516 (3.58)	527 (3.47)	516 (6.41)	416 (9.98)
USA	3147089	0.76	3123066	491 (5.16)	487 (3.55)	501 (3.35)	500 (7.02)	382 (14.67)
TOT	.	1.36	.	494 (2.12)	493 (1.32)	508 (1.21)	499 (2.09)	382 (4.21)
AVG	.	1.28	.	499 (1.31)	499 (0.78)	508 (0.66)	497 (1.18)	401 (2.78)
HKG	72484	0.21	72334	549 (7.37)	543 (4.56)	542 (4.30)	503 (7.80)	. (.)
IDN	1971476	0.02	1971109	393 (5.76)	398 (3.29)	398 (3.67)	387 (7.28)	350 (6.33)
LVA	33643	0.22	33570	524 (9.53)	501 (4.91)	484 (3.53)	472 (6.65)	414 (10.11)
LIE	338	.	338	. (.)	507 (12.77)	534 (8.39)	520 (12.05)	. (.)
MAC	6546	.	6546	541 (11.86)	528 (5.65)	522 (4.09)	509 (12.69)	. (.)
RUS	2153373	0.02	2152991	530 (8.14)	506 (5.07)	488 (4.01)	487 (6.76)	428 (7.16)
YUG	68596	0.60	68187	424 (6.52)	430 (4.08)	447 (3.64)	450 (5.56)	392 (11.26)
THA	637076	.	637076	423 (6.03)	423 (2.83)	439 (3.48)	443 (10.19)	396 (12.60)
TUN	150875	0.07	150770	396 (3.57)	388 (3.09)	385 (4.11)	374 (5.49)	299 (8.53)
URY	33775	0.17	33719	425 (6.96)	432 (5.17)	451 (3.69)	451 (4.83)	352 (6.39)

Student Questionnaire – Question 37

Q37 Thinking about your <Mathematics> classes: To what extent do you agree with the following statements?

I do my best work in Mathematics when I try to do better than others.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.39	234674	543 (3.51)	530 (2.22)	533 (2.04)	516 (4.72)	436 (8.59)
AUT	85931	1.08	85003	492 (6.64)	505 (4.33)	511 (3.03)	513 (3.83)	457 (16.94)
BEL	111831	1.79	109825	509 (6.25)	529 (3.60)	542 (2.23)	526 (4.63)	407 (9.98)
CAN	330436	9.70	298375	549 (3.86)	531 (2.17)	536 (1.74)	519 (3.43)	496 (7.29)
CZE	121183	4.06	116258	529 (6.23)	531 (3.54)	520 (3.43)	519 (5.64)	434 (35.75)
DNK	51741	0.65	51406	544 (5.22)	521 (2.73)	516 (2.67)	499 (6.06)	451 (12.01)
FIN	57884	0.07	57845	581 (8.23)	560 (2.93)	544 (2.13)	529 (3.92)	544 (13.96)
FRA	734579	0.87	728167	516 (6.31)	522 (3.67)	529 (2.99)	506 (4.19)	440 (11.34)
DEU	884358	5.57	835070	501 (5.60)	510 (4.26)	531 (3.36)	524 (4.58)	421 (14.60)
GRC	105131	0.13	104991	463 (5.48)	451 (4.59)	446 (4.42)	433 (7.21)	357 (15.14)
HUN	107044	0.06	106984	509 (7.48)	503 (3.94)	502 (3.09)	498 (5.46)	425 (16.06)
ISL	3928	0.63	3903	510 (5.57)	509 (3.17)	510 (2.11)	486 (4.73)	423 (18.60)
IRL	54850	1.03	54285	504 (6.37)	499 (3.21)	503 (2.66)	483 (4.21)	404 (13.32)
ITA	481521	0.39	479622	455 (6.63)	466 (3.83)	479 (3.36)	465 (5.35)	381 (17.31)
JPN	1240054	0.10	1238855	561 (5.35)	557 (4.14)	551 (5.03)	509 (6.75)	401 (40.11)
KOR	533504	0.08	533080	596 (4.12)	577 (3.58)	536 (3.42)	514 (4.27)	. (.)
LUX	4080	0.08	4077	491 (5.41)	492 (3.39)	501 (2.08)	494 (3.55)	424 (8.71)
MEX	1071650	0.37	1067674	392 (5.75)	392 (4.22)	396 (4.68)	360 (12.92)	294 (6.08)
NLD	184943	3.32	178808	510 (11.19)	517 (4.30)	531 (3.43)	521 (6.20)	453 (10.04)
NZL	48638	2.04	47646	535 (5.67)	533 (2.78)	540 (2.65)	518 (6.51)	. (.)
NOR	52816	0.77	52407	501 (7.31)	497 (3.71)	498 (2.92)	464 (5.08)	437 (12.73)
POL	534900	.	534900	509 (6.72)	487 (3.56)	488 (3.26)	473 (6.65)	372 (27.69)
PRT	96857	0.23	96637	474 (5.98)	467 (4.76)	475 (4.08)	464 (6.74)	422 (12.39)
SVK	77067	0.03	77043	498 (8.28)	495 (3.69)	493 (3.51)	469 (7.34)	418 (30.72)
ESP	344372	0.07	344114	489 (4.57)	487 (3.54)	486 (2.81)	454 (5.93)	405 (11.20)
SWE	107104	0.23	106861	528 (7.19)	516 (3.50)	509 (2.75)	494 (4.60)	447 (13.77)
CHE	86491	0.14	86370	504 (6.16)	514 (3.44)	528 (3.08)	533 (5.52)	441 (11.95)
TUR	481279	0.03	481137	429 (6.94)	413 (6.10)	413 (7.38)	379 (6.79)	327 (7.45)
GBR	698579	3.72	672605	505 (6.20)	507 (3.14)	517 (3.06)	502 (6.07)	440 (10.37)
USA	3147089	0.76	3123066	478 (5.05)	474 (3.56)	486 (3.27)	477 (6.89)	387 (11.55)
TOT	.	1.36	.	485 (2.24)	486 (1.38)	503 (1.16)	493 (2.11)	373 (4.37)
AVG	.	1.28	.	497 (1.32)	498 (0.84)	510 (0.64)	497 (1.14)	404 (3.06)
HKG	72484	0.21	72334	563 (7.42)	552 (4.51)	549 (4.31)	508 (7.68)	. (.)
IDN	1971476	0.02	1971109	350 (5.77)	364 (3.24)	368 (3.96)	355 (8.57)	304 (5.78)
LVA	33643	0.22	33570	510 (9.51)	493 (4.76)	477 (3.80)	473 (8.43)	411 (9.77)
LIE	338	.	338	. (.)	513 (11.75)	540 (7.38)	524 (11.14)	. (.)
MAC	6546	.	6546	539 (9.67)	530 (4.96)	534 (4.01)	529 (11.80)	. (.)
RUS	2153373	0.02	2152991	516 (8.77)	496 (4.86)	478 (4.76)	475 (8.08)	414 (6.62)
YUG	68596	0.60	68187	408 (5.66)	417 (3.69)	435 (3.37)	429 (5.52)	343 (10.54)
THA	637076	.	637076	428 (6.97)	421 (2.97)	432 (3.40)	426 (8.16)	388 (16.18)
TUN	150875	0.07	150770	352 (3.28)	348 (2.72)	341 (3.09)	333 (5.56)	303 (5.63)
URY	33775	0.17	33719	390 (8.39)	399 (5.29)	428 (3.88)	427 (5.53)	311 (7.18)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher shows an interest in every student's learning.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	23.97	(0.63)	38.73	(0.49)	27.65	(0.55)	8.05	(0.30)	1.59	(0.17)
AUT	85931	1.08	85003	14.64	(0.59)	33.60	(0.95)	34.10	(0.86)	15.87	(0.87)	1.78	(0.76)
BEL	111831	1.79	109825	14.92	(0.54)	32.05	(0.64)	36.19	(0.64)	12.68	(0.45)	4.16	(0.54)
CAN	330436	9.70	298375	22.57	(0.49)	39.07	(0.56)	27.69	(0.44)	8.73	(0.30)	1.94	(0.17)
CZE	121183	4.11	116203	15.11	(0.75)	31.36	(0.88)	40.39	(0.94)	11.71	(0.77)	1.43	(0.37)
DNK	51741	0.65	51406	16.42	(0.78)	39.43	(0.92)	33.96	(0.87)	7.73	(0.56)	2.46	(0.34)
FIN	57884	0.07	57845	13.19	(0.56)	40.54	(0.84)	35.69	(0.75)	9.59	(0.56)	0.99	(0.17)
FRA	734579	0.87	728167	14.31	(0.62)	32.49	(0.67)	36.88	(0.74)	14.46	(0.68)	1.85	(0.27)
DEU	884358	5.57	835070	13.52	(0.69)	28.95	(0.73)	37.26	(0.87)	18.00	(0.75)	2.27	(0.38)
GRC	105131	0.13	104991	15.43	(0.69)	26.72	(0.95)	36.97	(1.03)	18.30	(1.08)	2.58	(0.46)
HUN	107044	0.06	106984	17.03	(0.77)	35.87	(0.76)	35.11	(1.00)	10.65	(0.61)	1.33	(0.16)
ISL	3928	0.63	3903	21.40	(0.75)	43.58	(0.88)	26.25	(0.79)	7.63	(0.48)	1.14	(0.22)
IRL	54850	1.03	54285	27.66	(1.09)	33.06	(0.98)	25.84	(0.86)	12.16	(0.78)	1.28	(0.23)
ITA	481521	0.38	479699	22.08	(0.72)	34.02	(0.79)	31.81	(0.63)	11.30	(0.70)	0.79	(0.14)
JPN	1240054	0.10	1238855	8.32	(0.57)	40.64	(0.82)	34.47	(0.73)	15.32	(0.69)	1.25	(0.28)
KOR	533504	.	533504	12.79	(0.54)	44.93	(0.75)	37.26	(0.76)	4.76	(0.39)	0.26	(.)
LUX	4080	0.08	4077	19.43	(0.46)	32.34	(0.72)	27.68	(0.72)	17.53	(0.60)	3.01	(0.26)
MEX	1071650	0.37	1067674	54.30	(0.80)	22.03	(0.67)	15.80	(0.53)	2.28	(0.23)	5.57	(0.56)
NLD	184943	3.39	178678	10.90	(0.63)	36.18	(0.92)	37.80	(0.87)	11.93	(0.72)	3.19	(0.53)
NZL	48638	2.19	47571	22.19	(0.80)	40.74	(0.72)	28.28	(0.81)	8.46	(0.49)	0.34	(.)
NOR	52816	0.77	52407	13.65	(0.64)	39.23	(0.87)	34.58	(0.88)	9.30	(0.49)	3.25	(0.46)
POL	534900	.	534900	15.70	(0.60)	35.15	(0.83)	40.82	(0.90)	7.49	(0.52)	0.84	(0.18)
PRT	96857	0.25	96616	28.22	(0.88)	37.85	(0.78)	25.61	(0.96)	6.73	(0.53)	1.59	(0.27)
SVK	77067	0.03	77043	22.70	(0.70)	33.81	(0.70)	35.15	(0.85)	6.83	(0.44)	1.51	(0.49)
ESP	344372	0.07	344114	26.21	(0.70)	37.02	(0.76)	26.29	(0.63)	8.24	(0.47)	2.24	(0.31)
SWE	107104	0.23	106861	25.55	(0.80)	42.58	(0.75)	24.84	(0.80)	5.97	(0.40)	1.06	(0.21)
CHE	86491	0.14	86370	18.03	(0.48)	35.40	(0.84)	31.30	(0.68)	13.18	(0.61)	2.10	(0.22)
TUR	481279	0.03	481137	43.29	(1.12)	29.72	(1.06)	16.64	(0.81)	4.86	(0.44)	5.47	(0.88)
GBR	698579	3.61	673362	24.34	(0.81)	37.45	(0.86)	27.81	(0.75)	8.86	(0.54)	1.54	(0.19)
USA	3147089	0.76	3123066	30.56	(0.90)	37.05	(0.81)	22.93	(0.60)	7.03	(0.49)	2.43	(0.38)
TOT	.	1.35	.	24.65	(0.29)	35.00	(0.23)	28.69	(0.22)	9.35	(0.18)	2.31	(0.12)
AVG	.	1.28	.	20.97	(0.15)	35.72	(0.15)	31.09	(0.14)	10.17	(0.10)	2.04	(0.07)
HKG	72484	0.21	72334	17.98	(0.67)	44.03	(0.75)	33.34	(0.85)	4.39	(0.37)	0.26	(.)
IDN	1971476	0.02	1971117	28.13	(0.80)	32.39	(0.77)	31.79	(0.75)	2.65	(0.30)	5.04	(0.47)
LVA	33643	0.22	33570	15.63	(1.15)	34.44	(1.16)	38.45	(1.31)	10.55	(0.99)	0.94	(0.18)
LIE	338	.	338	16.60	(1.93)	37.70	(2.62)	33.67	(2.60)	11.11	(1.81)	0.92	(.)
MAC	6546	0.10	6540	20.65	(1.47)	39.22	(1.86)	35.62	(1.46)	3.82	(0.57)	0.70	(.)
RUS	2153373	0.02	2152991	29.88	(0.85)	35.88	(0.67)	28.06	(0.80)	4.20	(0.36)	1.98	(0.29)
YUG	68596	0.51	68244	27.90	(1.00)	22.46	(0.79)	33.21	(0.80)	10.64	(0.68)	5.79	(0.97)
THA	637076	.	637076	48.12	(1.11)	35.57	(0.79)	13.97	(0.72)	1.19	(0.18)	1.14	(0.19)
TUN	150875	0.07	150770	39.36	(0.87)	27.72	(0.71)	18.92	(0.75)	8.73	(0.47)	5.28	(0.45)
URY	33775	0.17	33717	43.79	(1.03)	29.45	(0.79)	17.43	(0.74)	4.66	(0.60)	4.66	(0.55)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher shows an interest in every student's learning.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	536 (3.33)	528 (2.64)	525 (2.88)	511 (4.66)	410 (8.35)
AUT	85931	1.08	85003	455 (5.26)	490 (4.77)	506 (4.51)	514 (5.09)	446 (34.91)
BEL	111831	1.79	109825	487 (4.92)	517 (3.17)	522 (3.27)	538 (4.64)	357 (18.32)
CAN	330436	9.70	298375	532 (2.57)	533 (1.86)	534 (2.07)	524 (3.94)	486 (8.87)
CZE	121183	4.11	116203	476 (4.94)	495 (3.96)	501 (3.36)	515 (5.36)	426 (20.10)
DNK	51741	0.65	51406	496 (4.54)	501 (2.93)	492 (3.74)	488 (5.79)	373 (15.29)
FIN	57884	0.07	57845	545 (4.16)	546 (2.28)	542 (2.11)	542 (4.08)	497 (20.78)
FRA	734579	0.87	728167	456 (5.92)	492 (4.03)	515 (2.89)	516 (4.36)	404 (14.85)
DEU	884358	5.57	835070	463 (6.28)	497 (4.05)	520 (3.54)	516 (4.89)	352 (12.27)
GRC	105131	0.13	104991	443 (6.47)	476 (5.93)	486 (3.86)	483 (6.08)	342 (16.77)
HUN	107044	0.06	106984	480 (4.99)	489 (3.36)	478 (3.36)	486 (5.18)	387 (15.95)
ISL	3928	0.63	3903	488 (3.96)	498 (2.27)	496 (3.32)	484 (7.29)	344 (19.93)
IRL	54850	1.03	54285	506 (3.88)	519 (3.34)	522 (3.79)	521 (4.23)	416 (21.47)
ITA	481521	0.38	479699	440 (5.00)	478 (3.38)	493 (3.01)	496 (4.44)	389 (21.57)
JPN	1240054	0.10	1238855	504 (8.47)	507 (4.21)	500 (4.37)	477 (7.11)	373 (23.32)
KOR	533504	.	533504	533 (5.06)	539 (3.33)	534 (3.32)	511 (8.27)	. (.)
LUX	4080	0.08	4077	452 (3.69)	483 (2.75)	498 (3.03)	494 (3.75)	365 (10.81)
MEX	1071650	0.37	1067674	402 (4.38)	411 (5.11)	411 (3.83)	413 (8.09)	300 (8.64)
NLD	184943	3.39	178678	497 (4.94)	516 (3.20)	524 (3.57)	529 (5.95)	484 (9.91)
NZL	48638	2.19	47571	521 (4.87)	526 (2.90)	524 (3.86)	527 (6.12)	. (.)
NOR	52816	0.77	52407	500 (5.70)	510 (3.34)	505 (3.37)	477 (6.94)	405 (14.67)
POL	534900	.	534900	472 (4.98)	497 (3.14)	505 (3.68)	520 (5.97)	354 (22.09)
PRT	96857	0.25	96616	466 (4.64)	480 (4.79)	488 (4.43)	488 (7.04)	438 (16.76)
SVK	77067	0.03	77043	450 (4.54)	473 (3.14)	479 (3.83)	485 (7.06)	368 (31.50)
ESP	344372	0.07	344114	473 (3.50)	485 (2.94)	490 (3.99)	479 (6.64)	380 (12.71)
SWE	107104	0.23	106861	516 (4.09)	519 (2.86)	509 (3.37)	519 (7.65)	389 (26.25)
CHE	86491	0.14	86370	473 (4.55)	494 (2.99)	515 (3.40)	523 (8.76)	420 (14.42)
TUR	481279	0.03	481137	440 (5.64)	455 (7.33)	440 (7.75)	433 (10.86)	389 (10.55)
GBR	698579	3.61	673362	514 (4.53)	510 (3.54)	503 (3.07)	498 (5.76)	410 (10.55)
USA	3147089	0.76	3123066	504 (4.14)	501 (3.63)	492 (3.62)	482 (6.15)	386 (14.06)
TOT	.	1.35	.	473 (2.05)	497 (1.34)	499 (1.32)	495 (2.12)	370 (4.90)
AVG	.	1.28	.	478 (1.10)	501 (0.71)	504 (0.76)	504 (1.16)	388 (3.52)
HKG	72484	0.21	72334	508 (5.15)	513 (4.39)	509 (3.85)	504 (6.91)	. (.)
IDN	1971476	0.02	1971117	370 (3.33)	380 (3.51)	400 (4.17)	391 (12.63)	332 (7.31)
LVA	33643	0.22	33570	466 (6.55)	496 (3.99)	495 (4.44)	499 (6.95)	437 (24.39)
LIE	338	.	338	495 (11.50)	515 (7.51)	538 (8.39)	571 (14.13)	. (.)
MAC	6546	0.10	6540	498 (4.62)	496 (3.74)	498 (4.07)	516 (12.34)	. (.)
RUS	2153373	0.02	2152991	436 (4.69)	451 (4.59)	445 (4.34)	441 (10.11)	344 (13.06)
YUG	68596	0.51	68244	386 (3.96)	422 (4.77)	430 (3.64)	435 (5.37)	355 (15.85)
THA	637076	.	637076	424 (3.06)	416 (3.17)	419 (5.53)	424 (14.55)	387 (14.80)
TUN	150875	0.07	150770	364 (3.42)	380 (4.49)	396 (3.96)	398 (6.33)	310 (8.03)
URY	33775	0.17	33717	430 (3.99)	445 (5.03)	452 (4.92)	441 (10.07)	330 (9.62)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher shows an interest in every student's learning.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	533 (2.84)	528 (2.52)	523 (2.46)	509 (4.75)	431 (8.16)
AUT	85931	1.08	85003	477 (4.65)	508 (4.54)	517 (3.83)	517 (3.80)	455 (19.94)
BEL	111831	1.79	109825	506 (4.59)	540 (3.01)	544 (2.84)	562 (3.99)	388 (15.77)
CAN	330436	9.70	298375	535 (2.30)	539 (1.90)	536 (2.22)	531 (3.56)	493 (9.26)
CZE	121183	4.11	116203	503 (4.86)	525 (4.28)	525 (3.72)	540 (5.84)	451 (21.18)
DNK	51741	0.65	51406	521 (4.70)	523 (3.44)	511 (3.29)	507 (5.84)	420 (13.98)
FIN	57884	0.07	57845	544 (4.07)	548 (2.45)	542 (2.52)	543 (4.64)	517 (21.57)
FRA	734579	0.87	728167	471 (5.02)	510 (3.99)	528 (3.11)	527 (3.52)	426 (13.62)
DEU	884358	5.57	835070	477 (5.96)	510 (4.01)	526 (3.55)	523 (5.11)	391 (10.90)
GRC	105131	0.13	104991	419 (5.29)	448 (5.67)	456 (4.03)	452 (4.99)	364 (11.75)
HUN	107044	0.06	106984	484 (5.48)	501 (3.49)	485 (3.37)	491 (5.09)	395 (13.26)
ISL	3928	0.63	3903	509 (3.44)	521 (2.17)	518 (3.13)	508 (6.08)	416 (17.41)
IRL	54850	1.03	54285	492 (3.88)	508 (3.11)	510 (3.69)	507 (4.27)	406 (14.72)
ITA	481521	0.38	479699	430 (4.89)	469 (3.49)	481 (3.15)	489 (4.66)	400 (18.28)
JPN	1240054	0.10	1238855	539 (9.13)	541 (4.54)	537 (4.52)	514 (6.68)	447 (17.63)
KOR	533504	.	533504	536 (5.35)	548 (3.61)	541 (3.75)	516 (9.15)	. (.)
LUX	4080	0.08	4077	469 (3.78)	496 (2.50)	506 (2.32)	505 (3.52)	426 (8.69)
MEX	1071650	0.37	1067674	385 (4.03)	398 (4.38)	393 (3.47)	406 (7.52)	306 (8.12)
NLD	184943	3.39	178678	519 (6.01)	543 (3.49)	553 (3.81)	551 (6.22)	473 (8.88)
NZL	48638	2.19	47571	520 (4.46)	528 (2.75)	525 (3.16)	531 (5.67)	. (.)
NOR	52816	0.77	52407	494 (4.45)	506 (3.12)	498 (3.19)	474 (5.84)	407 (11.23)
POL	534900	.	534900	468 (4.80)	493 (2.98)	496 (3.11)	508 (5.83)	362 (16.14)
PRT	96857	0.25	96616	455 (4.18)	469 (4.04)	474 (4.06)	478 (6.82)	431 (11.14)
SVK	77067	0.03	77043	477 (4.77)	506 (3.40)	506 (3.85)	512 (7.15)	407 (31.13)
ESP	344372	0.07	344114	475 (3.43)	493 (2.57)	492 (3.44)	481 (5.77)	406 (12.05)
SWE	107104	0.23	106861	509 (4.29)	514 (2.85)	503 (3.26)	520 (7.50)	396 (21.12)
CHE	86491	0.14	86370	496 (4.56)	524 (3.21)	542 (4.03)	551 (9.28)	456 (13.54)
TUR	481279	0.03	481137	420 (6.49)	439 (8.61)	421 (8.89)	420 (11.77)	369 (8.72)
GBR	698579	3.61	673362	514 (4.06)	512 (3.41)	503 (3.27)	499 (5.52)	424 (10.74)
USA	3147089	0.76	3123066	488 (3.83)	488 (3.18)	480 (3.82)	474 (5.47)	401 (13.40)
TOT	.	1.35	.	465 (1.96)	500 (1.18)	503 (1.26)	502 (1.96)	386 (4.62)
AVG	.	1.28	.	479 (1.16)	509 (0.67)	510 (0.77)	510 (1.09)	406 (2.73)
HKG	72484	0.21	72334	552 (6.63)	554 (5.17)	547 (4.62)	544 (7.95)	. (.)
IDN	1971476	0.02	1971117	347 (3.39)	358 (3.88)	380 (5.26)	373 (13.32)	314 (7.51)
LVA	33643	0.22	33570	457 (6.12)	489 (3.85)	489 (4.35)	489 (5.81)	443 (23.33)
LIE	338	.	338	507 (12.61)	528 (9.01)	548 (9.36)	568 (12.61)	. (.)
MAC	6546	0.10	6540	521 (6.60)	525 (4.87)	530 (5.70)	563 (13.68)	. (.)
RUS	2153373	0.02	2152991	464 (4.94)	477 (4.47)	470 (4.70)	458 (9.29)	386 (10.75)
YUG	68596	0.51	68244	410 (4.17)	449 (4.83)	455 (3.89)	462 (5.56)	377 (12.58)
THA	637076	.	637076	419 (3.31)	416 (3.48)	414 (4.95)	424 (16.43)	385 (12.76)
TUN	150875	0.07	150770	350 (3.02)	364 (3.85)	375 (3.82)	379 (4.84)	310 (5.94)
URY	33775	0.17	33717	415 (3.63)	437 (4.27)	438 (5.09)	429 (8.21)	335 (7.82)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher shows an interest in every student's learning.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	537 (3.13)	528 (2.64)	522 (2.81)	509 (4.45)	430 (7.64)
AUT	85931	1.08	85003	460 (4.71)	491 (4.63)	504 (4.11)	507 (4.17)	442 (25.29)
BEL	111831	1.79	109825	489 (4.71)	518 (3.10)	522 (3.15)	538 (4.85)	368 (15.13)
CAN	330436	9.70	298375	522 (2.61)	525 (2.10)	524 (2.53)	517 (3.81)	470 (10.18)
CZE	121183	4.11	116203	510 (5.34)	530 (4.42)	531 (3.57)	549 (5.83)	445 (24.11)
DNK	51741	0.65	51406	477 (5.09)	484 (3.62)	474 (3.84)	476 (6.23)	358 (16.09)
FIN	57884	0.07	57845	554 (4.54)	552 (2.72)	544 (2.46)	540 (5.03)	545 (22.79)
FRA	734579	0.87	728167	463 (6.22)	506 (5.06)	532 (3.51)	534 (5.18)	434 (18.00)
DEU	884358	5.57	835070	476 (6.39)	508 (4.41)	527 (3.81)	525 (5.35)	378 (11.80)
GRC	105131	0.13	104991	455 (5.82)	482 (5.47)	492 (4.33)	491 (4.98)	393 (14.25)
HUN	107044	0.06	106984	501 (5.05)	511 (3.68)	499 (3.37)	507 (5.51)	421 (14.44)
ISL	3928	0.63	3903	491 (3.63)	500 (2.16)	497 (3.66)	489 (6.85)	382 (18.36)
IRL	54850	1.03	54285	494 (4.28)	510 (3.27)	512 (3.93)	511 (5.22)	432 (16.33)
ITA	481521	0.38	479699	451 (5.44)	490 (3.76)	503 (3.25)	507 (4.84)	404 (16.46)
JPN	1240054	0.10	1238855	559 (9.13)	559 (4.65)	548 (4.66)	522 (6.77)	427 (20.58)
KOR	533504	.	533504	534 (5.56)	544 (3.92)	537 (4.19)	511 (9.48)	. (.)
LUX	4080	0.08	4077	457 (4.13)	487 (2.98)	496 (2.93)	498 (4.36)	394 (11.79)
MEX	1071650	0.37	1067674	404 (4.13)	417 (4.03)	410 (3.86)	425 (7.21)	341 (9.13)
NLD	184943	3.39	178678	506 (6.26)	529 (3.59)	537 (4.31)	538 (6.88)	461 (10.57)
NZL	48638	2.19	47571	518 (4.68)	525 (3.02)	522 (3.60)	531 (6.70)	. (.)
NOR	52816	0.77	52407	487 (5.62)	497 (3.47)	487 (3.73)	460 (7.31)	377 (11.79)
POL	534900	.	534900	471 (5.43)	499 (3.40)	504 (3.37)	524 (7.71)	403 (21.05)
PRT	96857	0.25	96616	455 (4.69)	470 (4.19)	479 (4.57)	482 (6.50)	421 (13.74)
SVK	77067	0.03	77043	477 (5.48)	501 (4.45)	503 (4.11)	508 (7.53)	380 (30.38)
ESP	344372	0.07	344114	479 (3.74)	493 (3.14)	495 (3.93)	486 (6.99)	398 (17.04)
SWE	107104	0.23	106861	507 (4.27)	511 (3.63)	500 (3.74)	520 (9.07)	403 (27.50)
CHE	86491	0.14	86370	479 (5.48)	511 (3.47)	528 (4.19)	539 (10.98)	448 (14.36)
TUR	481279	0.03	481137	432 (5.79)	448 (7.73)	431 (7.93)	425 (9.99)	388 (7.81)
GBR	698579	3.61	673362	526 (4.30)	523 (3.72)	514 (3.50)	509 (5.93)	408 (12.34)
USA	3147089	0.76	3123066	499 (4.24)	497 (3.37)	488 (3.68)	483 (5.74)	387 (15.59)
TOT	.	1.35	.	475 (1.99)	506 (1.20)	508 (1.35)	508 (1.93)	388 (4.59)
AVG	.	1.28	.	481 (1.07)	507 (0.68)	509 (0.83)	511 (1.09)	402 (2.85)
HKG	72484	0.21	72334	539 (6.36)	542 (4.82)	538 (4.14)	537 (8.00)	. (.)
IDN	1971476	0.02	1971117	386 (3.23)	393 (3.16)	410 (4.64)	404 (10.16)	362 (5.96)
LVA	33643	0.22	33570	472 (7.65)	496 (4.26)	492 (4.95)	490 (6.20)	425 (23.24)
LIE	338	.	338	493 (13.24)	517 (8.13)	539 (10.20)	563 (15.60)	. (.)
MAC	6546	0.10	6540	525 (7.12)	524 (5.51)	523 (5.29)	541 (17.14)	. (.)
RUS	2153373	0.02	2152991	482 (4.88)	498 (4.47)	492 (4.78)	486 (9.00)	405 (12.10)
YUG	68596	0.51	68244	411 (3.96)	445 (4.54)	450 (3.92)	463 (6.00)	400 (15.04)
THA	637076	.	637076	430 (2.82)	428 (3.16)	429 (4.96)	447 (17.66)	411 (12.95)
TUN	150875	0.07	150770	380 (2.96)	389 (3.72)	400 (3.88)	404 (5.85)	313 (8.90)
URY	33775	0.17	33717	431 (3.50)	452 (4.03)	459 (5.10)	437 (9.91)	349 (8.42)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher shows an interest in every student's learning.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	538 (2.68)	533 (2.40)	529 (2.74)	518 (4.82)	442 (8.87)
AUT	85931	1.08	85003	479 (4.52)	509 (4.14)	517 (3.83)	517 (3.79)	448 (20.89)
BEL	111831	1.79	109825	502 (4.71)	534 (3.02)	539 (2.76)	553 (3.84)	404 (10.75)
CAN	330436	9.70	298375	535 (2.28)	537 (1.83)	532 (2.04)	526 (3.68)	493 (9.23)
CZE	121183	4.11	116203	503 (4.87)	524 (4.08)	526 (3.56)	539 (5.65)	450 (24.00)
DNK	51741	0.65	51406	528 (4.67)	525 (3.04)	513 (3.13)	503 (5.33)	417 (14.60)
FIN	57884	0.07	57845	550 (3.93)	551 (2.45)	545 (2.51)	544 (5.14)	534 (18.85)
FRA	734579	0.87	728167	479 (5.07)	518 (4.17)	536 (3.16)	535 (4.24)	433 (14.95)
DEU	884358	5.57	835070	482 (5.93)	516 (3.83)	535 (3.58)	533 (4.70)	397 (12.13)
GRC	105131	0.13	104991	414 (5.85)	450 (5.85)	462 (3.79)	461 (5.55)	368 (13.96)
HUN	107044	0.06	106984	495 (5.74)	512 (3.90)	496 (3.41)	502 (4.80)	423 (13.76)
ISL	3928	0.63	3903	499 (3.26)	510 (2.07)	508 (2.88)	499 (6.17)	401 (18.49)
IRL	54850	1.03	54285	490 (3.55)	503 (2.95)	504 (3.44)	501 (4.20)	396 (15.20)
ITA	481521	0.38	479699	435 (5.52)	473 (3.49)	487 (2.94)	489 (4.28)	371 (21.67)
JPN	1240054	0.10	1238855	549 (9.37)	554 (4.45)	550 (4.59)	529 (6.76)	450 (25.60)
KOR	533504	.	533504	544 (5.06)	555 (3.55)	551 (3.37)	528 (8.25)	. (.)
LUX	4080	0.08	4077	471 (3.39)	497 (2.44)	506 (2.51)	503 (3.50)	430 (9.67)
MEX	1071650	0.37	1067674	384 (4.86)	399 (5.37)	394 (4.29)	404 (8.55)	297 (8.99)
NLD	184943	3.39	178678	502 (6.00)	525 (3.52)	533 (3.81)	528 (6.27)	450 (10.49)
NZL	48638	2.19	47571	526 (4.15)	537 (2.77)	536 (3.18)	543 (5.74)	. (.)
NOR	52816	0.77	52407	488 (5.73)	500 (3.11)	493 (3.46)	467 (5.98)	423 (12.81)
POL	534900	.	534900	465 (4.79)	489 (3.08)	493 (3.67)	504 (5.50)	340 (28.49)
PRT	96857	0.25	96616	459 (4.78)	474 (4.74)	478 (4.82)	479 (7.36)	423 (12.42)
SVK	77067	0.03	77043	470 (4.80)	499 (3.27)	500 (3.86)	503 (8.25)	416 (32.64)
ESP	344372	0.07	344114	473 (3.70)	490 (3.00)	488 (3.70)	478 (6.41)	408 (12.04)
SWE	107104	0.23	106861	508 (4.13)	513 (2.54)	504 (3.33)	519 (6.66)	419 (20.29)
CHE	86491	0.14	86370	494 (4.53)	518 (2.95)	537 (3.83)	544 (7.79)	434 (13.57)
TUR	481279	0.03	481137	406 (5.85)	422 (7.59)	403 (8.37)	401 (11.03)	359 (10.01)
GBR	698579	3.61	673362	514 (4.00)	514 (3.50)	506 (3.27)	501 (5.26)	435 (12.12)
USA	3147089	0.76	3123066	485 (4.04)	483 (3.32)	472 (3.85)	465 (5.95)	389 (14.07)
TOT	.	1.35	.	464 (2.05)	501 (1.23)	504 (1.33)	504 (1.95)	380 (5.25)
AVG	.	1.28	.	478 (1.20)	509 (0.70)	510 (0.76)	510 (1.07)	405 (3.03)
HKG	72484	0.21	72334	550 (6.03)	551 (5.13)	545 (4.13)	544 (7.85)	. (.)
IDN	1971476	0.02	1971117	349 (2.86)	360 (3.42)	379 (4.42)	379 (12.51)	318 (5.83)
LVA	33643	0.22	33570	457 (6.26)	491 (4.29)	486 (4.56)	487 (6.96)	435 (27.98)
LIE	338	.	338	500 (12.21)	523 (8.32)	541 (8.71)	565 (14.12)	. (.)
MAC	6546	0.10	6540	528 (6.04)	530 (4.88)	535 (5.10)	559 (14.40)	. (.)
RUS	2153373	0.02	2152991	472 (5.28)	487 (4.98)	483 (4.83)	474 (9.42)	380 (13.52)
YUG	68596	0.51	68244	393 (3.58)	434 (4.62)	439 (3.39)	443 (5.15)	351 (12.77)
THA	637076	.	637076	427 (3.18)	424 (3.12)	420 (4.79)	443 (16.89)	395 (16.64)
TUN	150875	0.07	150770	335 (2.78)	349 (3.25)	360 (3.40)	362 (5.32)	314 (5.75)
URY	33775	0.17	33717	402 (4.18)	425 (5.24)	430 (5.52)	423 (9.80)	315 (7.53)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't listen to what the teacher says.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	9.08	(0.42)	23.86	(0.49)	51.44	(0.76)	13.94	(0.45)	1.68	(0.17)
AUT	85931	1.08	85003	8.33	(0.57)	21.95	(0.71)	41.86	(0.97)	25.89	(0.86)	1.97	(0.76)
BEL	111831	1.79	109825	7.11	(0.34)	19.36	(0.58)	50.42	(0.56)	19.00	(0.59)	4.10	(0.51)
CAN	330436	9.70	298375	7.18	(0.30)	20.88	(0.44)	52.43	(0.51)	16.74	(0.42)	2.76	(0.15)
CZE	121183	4.11	116203	10.98	(0.69)	24.51	(0.80)	50.08	(0.94)	13.10	(0.74)	1.33	(0.37)
DNK	51741	0.65	51406	8.37	(0.50)	22.87	(0.77)	56.58	(0.89)	9.56	(0.49)	2.62	(0.30)
FIN	57884	0.07	57845	6.36	(0.36)	29.41	(0.70)	54.75	(0.93)	8.32	(0.54)	1.15	(0.17)
FRA	734579	0.87	728167	9.10	(0.51)	23.37	(0.57)	49.98	(0.83)	15.60	(0.70)	1.96	(0.29)
DEU	884358	5.57	835070	7.05	(0.41)	14.56	(0.63)	40.81	(0.99)	35.07	(1.06)	2.51	(0.39)
GRC	105131	0.13	104991	7.78	(0.56)	26.32	(1.07)	53.10	(1.21)	10.20	(0.58)	2.61	(0.47)
HUN	107044	0.06	106984	5.24	(0.41)	22.05	(0.94)	56.59	(1.05)	14.73	(0.76)	1.40	(0.20)
ISL	3928	0.63	3903	6.67	(0.49)	23.56	(0.70)	57.50	(0.79)	11.03	(0.61)	1.24	(0.20)
IRL	54850	1.03	54285	9.93	(0.55)	21.78	(0.75)	49.09	(0.82)	17.72	(0.65)	1.49	(0.27)
ITA	481521	0.38	479699	8.87	(0.56)	27.44	(0.83)	53.27	(0.93)	9.49	(0.47)	0.92	(0.17)
JPN	1240054	0.10	1238855	4.06	(0.36)	14.85	(0.68)	61.91	(0.92)	18.06	(0.79)	1.11	(0.28)
KOR	533504	.	533504	4.62	(0.28)	22.63	(0.77)	64.43	(0.85)	8.05	(0.49)	0.28	(.)
LUX	4080	0.08	4077	10.63	(0.46)	23.38	(0.63)	42.20	(0.74)	20.48	(0.57)	3.32	(0.27)
MEX	1071650	0.37	1067674	7.59	(0.43)	18.80	(0.52)	54.86	(0.76)	11.31	(0.34)	7.44	(0.60)
NLD	184943	3.39	178678	6.01	(0.54)	20.36	(0.79)	53.46	(0.99)	17.05	(0.84)	3.12	(0.49)
NZL	48638	2.22	47560	11.87	(0.54)	26.35	(0.61)	49.04	(0.68)	12.32	(0.44)	0.42	(.)
NOR	52816	0.77	52407	6.81	(0.41)	26.10	(0.84)	53.58	(0.92)	10.22	(0.52)	3.29	(0.46)
POL	534900	.	534900	9.14	(0.68)	23.63	(0.74)	55.16	(1.01)	11.02	(0.62)	1.05	(0.18)
PRT	96857	0.25	96616	4.56	(0.35)	23.16	(0.87)	61.99	(0.83)	8.87	(0.55)	1.43	(0.27)
SVK	77067	0.03	77043	11.98	(0.60)	26.58	(0.75)	49.63	(0.79)	10.54	(0.50)	1.27	(0.49)
ESP	344372	0.07	344114	6.13	(0.34)	22.71	(0.81)	55.51	(0.86)	13.14	(0.58)	2.50	(0.30)
SWE	107104	0.23	106861	6.48	(0.39)	19.02	(0.78)	57.49	(0.95)	15.62	(0.76)	1.39	(0.23)
CHE	86491	0.14	86370	7.27	(0.61)	19.66	(1.00)	48.90	(0.83)	21.68	(0.86)	2.49	(0.25)
TUR	481279	0.03	481137	5.59	(0.49)	16.54	(0.73)	57.54	(1.28)	12.87	(0.67)	7.46	(1.02)
GBR	698579	3.61	673362	9.57	(0.52)	23.20	(0.67)	49.09	(0.80)	16.49	(0.71)	1.65	(0.18)
USA	3147089	0.76	3123066	8.14	(0.35)	23.07	(0.66)	50.85	(0.82)	15.46	(0.51)	2.48	(0.33)
TOT	.	1.35	.	7.42	(0.15)	21.09	(0.22)	53.06	(0.28)	15.79	(0.20)	2.63	(0.12)
AVG	.	1.28	.	7.74	(0.09)	22.41	(0.13)	52.82	(0.17)	14.74	(0.14)	2.28	(0.07)
HKG	72484	0.21	72334	5.33	(0.43)	15.14	(0.69)	64.83	(0.82)	14.31	(0.75)	0.39	(.)
IDN	1971476	0.02	1971117	6.56	(0.43)	17.24	(0.63)	45.00	(1.07)	25.77	(0.75)	5.43	(0.54)
LVA	33643	0.22	33570	6.38	(0.50)	19.99	(0.85)	55.02	(1.09)	17.50	(1.23)	1.11	(0.21)
LIE	338	.	338	5.99	(.)	19.92	(2.33)	47.88	(2.75)	25.01	(2.04)	1.21	(.)
MAC	6546	0.10	6540	2.76	(0.58)	15.56	(1.19)	70.51	(1.63)	10.80	(1.05)	0.37	(.)
RUS	2153373	0.02	2152991	5.88	(0.38)	15.47	(0.70)	49.76	(0.81)	26.40	(1.00)	2.49	(0.31)
YUG	68596	0.57	68202	10.14	(0.51)	21.03	(0.77)	53.19	(1.19)	9.09	(0.59)	6.54	(0.96)
THA	637076	.	637076	5.96	(0.45)	15.99	(0.68)	60.31	(0.96)	16.45	(0.90)	1.28	(0.21)
TUN	150875	0.07	150770	6.40	(0.35)	17.67	(0.57)	39.82	(0.85)	29.65	(0.86)	6.47	(0.47)
URY	33775	0.17	33717	7.24	(0.51)	22.81	(0.83)	53.82	(0.95)	9.81	(0.49)	6.31	(0.56)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't listen to what the teacher says.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	524 (3.47)	511 (3.11)	531 (2.07)	547 (3.45)	407 (9.40)
AUT	85931	1.08	85003	463 (7.06)	475 (5.04)	496 (4.57)	519 (4.52)	441 (30.76)
BEL	111831	1.79	109825	488 (5.96)	498 (3.76)	521 (2.78)	537 (3.85)	349 (17.23)
CAN	330436	9.70	298375	517 (3.61)	520 (2.69)	534 (1.87)	548 (2.40)	496 (6.43)
CZE	121183	4.11	116203	481 (5.38)	490 (3.54)	501 (3.05)	507 (5.62)	427 (23.38)
DNK	51741	0.65	51406	490 (5.18)	488 (3.83)	499 (2.98)	500 (5.36)	383 (14.58)
FIN	57884	0.07	57845	547 (5.63)	544 (2.64)	543 (1.82)	548 (5.47)	486 (17.69)
FRA	734579	0.87	728167	480 (7.55)	500 (3.98)	502 (3.12)	503 (4.76)	386 (14.64)
DEU	884358	5.57	835070	462 (6.44)	476 (5.79)	509 (3.60)	520 (3.88)	356 (11.96)
GRC	105131	0.13	104991	463 (7.25)	468 (5.33)	481 (4.29)	479 (7.73)	340 (14.53)
HUN	107044	0.06	106984	464 (8.40)	468 (4.17)	485 (2.59)	505 (5.62)	374 (16.40)
ISL	3928	0.63	3903	463 (7.60)	486 (3.79)	500 (2.21)	499 (4.86)	347 (20.25)
IRL	54850	1.03	54285	494 (5.43)	511 (4.04)	518 (2.89)	533 (4.41)	406 (21.63)
ITA	481521	0.38	479699	460 (5.82)	470 (4.76)	482 (3.02)	484 (4.38)	376 (22.50)
JPN	1240054	0.10	1238855	433 (8.92)	476 (6.45)	505 (3.65)	517 (5.88)	344 (25.56)
KOR	533504	.	533504	510 (7.30)	514 (3.63)	544 (2.97)	538 (7.04)	. (.)
LUX	4080	0.08	4077	470 (5.02)	477 (3.10)	489 (2.48)	483 (3.82)	381 (11.34)
MEX	1071650	0.37	1067674	358 (7.19)	407 (5.72)	413 (3.95)	417 (6.35)	306 (7.34)
NLD	184943	3.39	178678	508 (7.76)	503 (4.54)	520 (3.16)	536 (5.56)	485 (10.06)
NZL	48638	2.22	47560	525 (6.04)	510 (3.66)	528 (2.77)	540 (4.86)	. (.)
NOR	52816	0.77	52407	473 (8.97)	495 (4.01)	509 (2.91)	517 (5.66)	410 (12.93)
POL	534900	.	534900	494 (6.77)	495 (4.65)	497 (3.04)	511 (5.81)	377 (21.23)
PRT	96857	0.25	96616	453 (10.15)	455 (5.59)	486 (3.44)	501 (6.30)	442 (17.42)
SVK	77067	0.03	77043	460 (5.10)	471 (4.32)	470 (3.37)	484 (4.24)	377 (31.45)
ESP	344372	0.07	344114	457 (6.14)	467 (4.38)	490 (2.61)	497 (5.20)	381 (13.18)
SWE	107104	0.23	106861	506 (8.45)	505 (3.98)	518 (2.40)	527 (4.99)	415 (24.32)
CHE	86491	0.14	86370	479 (11.16)	485 (6.40)	507 (3.24)	509 (3.83)	418 (12.62)
TUR	481279	0.03	481137	415 (8.98)	428 (6.24)	452 (5.75)	460 (9.44)	375 (9.43)
GBR	698579	3.61	673362	490 (5.32)	488 (3.47)	511 (2.85)	536 (5.15)	412 (9.22)
USA	3147089	0.76	3123066	465 (6.94)	477 (3.60)	507 (3.00)	520 (5.32)	391 (13.39)
TOT	.	1.35	.	462 (2.55)	477 (1.40)	496 (1.18)	511 (1.79)	367 (4.56)
AVG	.	1.28	.	478 (1.29)	486 (0.88)	501 (0.70)	513 (0.90)	386 (3.32)
HKG	72484	0.21	72334	486 (8.97)	489 (6.85)	512 (3.09)	535 (4.13)	. (.)
IDN	1971476	0.02	1971117	343 (5.50)	370 (4.19)	399 (3.67)	384 (3.78)	312 (8.18)
LVA	33643	0.22	33570	476 (8.69)	483 (5.73)	490 (3.76)	512 (5.37)	410 (21.08)
LIE	338	.	338	. (.)	517 (12.69)	528 (6.54)	534 (9.80)	. (.)
MAC	6546	0.10	6540	508 (15.13)	491 (6.50)	495 (2.75)	523 (5.91)	. (.)
RUS	2153373	0.02	2152991	420 (7.84)	426 (5.37)	444 (3.71)	463 (5.00)	345 (11.84)
YUG	68596	0.57	68202	389 (4.93)	421 (4.20)	420 (3.45)	421 (6.45)	347 (14.99)
THA	637076	.	637076	388 (5.67)	396 (3.32)	426 (3.12)	437 (4.85)	377 (15.60)
TUN	150875	0.07	150770	341 (6.99)	359 (4.16)	394 (3.65)	380 (4.31)	312 (7.77)
URY	33775	0.17	33717	411 (9.20)	427 (4.72)	449 (3.71)	459 (7.13)	325 (7.16)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't listen to what the teacher says.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	516 (3.17)	508 (3.18)	530 (2.23)	550 (3.23)	426 (8.61)
AUT	85931	1.08	85003	479 (6.42)	492 (4.58)	510 (3.88)	530 (4.33)	447 (17.89)
BEL	111831	1.79	109825	510 (5.39)	520 (3.16)	542 (2.58)	561 (3.46)	380 (14.58)
CAN	330436	9.70	298375	522 (3.49)	525 (2.68)	538 (1.80)	555 (2.80)	498 (5.92)
CZE	121183	4.11	116203	511 (5.66)	515 (3.81)	527 (3.70)	535 (5.30)	449 (24.67)
DNK	51741	0.65	51406	512 (5.85)	512 (3.83)	519 (2.95)	522 (5.68)	430 (13.92)
FIN	57884	0.07	57845	549 (5.70)	541 (2.69)	545 (1.96)	553 (5.65)	504 (18.52)
FRA	734579	0.87	728167	496 (6.19)	514 (3.40)	516 (2.97)	518 (4.89)	409 (13.41)
DEU	884358	5.57	835070	485 (6.27)	489 (5.78)	518 (3.69)	526 (3.64)	396 (10.54)
GRC	105131	0.13	104991	443 (5.95)	438 (4.46)	452 (4.26)	449 (6.99)	362 (11.30)
HUN	107044	0.06	106984	470 (7.47)	475 (4.37)	494 (2.96)	515 (5.45)	390 (14.27)
ISL	3928	0.63	3903	494 (7.14)	509 (3.54)	521 (1.80)	520 (4.52)	417 (18.17)
IRL	54850	1.03	54285	482 (5.57)	500 (4.14)	505 (2.55)	520 (4.30)	405 (15.70)
ITA	481521	0.38	479699	458 (5.38)	461 (4.04)	470 (3.44)	470 (5.03)	389 (16.66)
JPN	1240054	0.10	1238855	475 (9.33)	514 (5.97)	542 (3.98)	546 (6.21)	421 (19.39)
KOR	533504	.	533504	513 (6.88)	520 (3.98)	553 (3.29)	540 (7.87)	. (.)
LUX	4080	0.08	4077	487 (5.03)	491 (2.81)	499 (1.99)	496 (3.49)	438 (8.40)
MEX	1071650	0.37	1067674	352 (6.45)	390 (5.11)	395 (3.60)	400 (4.95)	311 (5.98)
NLD	184943	3.39	178678	539 (8.42)	529 (5.27)	546 (3.32)	563 (5.71)	474 (9.13)
NZL	48638	2.22	47560	519 (5.27)	511 (3.30)	532 (2.62)	543 (4.56)	. (.)
NOR	52816	0.77	52407	481 (6.78)	491 (3.48)	502 (2.85)	506 (5.09)	409 (9.86)
POL	534900	.	534900	485 (5.84)	487 (3.87)	491 (2.81)	507 (5.04)	391 (15.92)
PRT	96857	0.25	96616	445 (8.28)	446 (5.20)	473 (3.21)	490 (7.08)	432 (12.07)
SVK	77067	0.03	77043	490 (5.24)	499 (4.48)	499 (3.37)	512 (4.73)	424 (29.60)
ESP	344372	0.07	344114	465 (6.49)	474 (3.49)	493 (2.55)	498 (4.85)	408 (11.75)
SWE	107104	0.23	106861	497 (7.19)	496 (3.50)	512 (2.52)	529 (5.59)	420 (20.78)
CHE	86491	0.14	86370	518 (10.53)	515 (7.58)	533 (3.21)	532 (3.76)	456 (12.44)
TUR	481279	0.03	481137	393 (9.68)	405 (6.48)	435 (6.84)	451 (11.06)	350 (8.90)
GBR	698579	3.61	673362	487 (5.36)	485 (3.39)	513 (2.61)	545 (5.05)	423 (9.78)
USA	3147089	0.76	3123066	457 (6.51)	464 (3.64)	493 (2.88)	506 (4.56)	405 (12.25)
TOT	.	1.35	.	464 (2.51)	476 (1.43)	497 (1.09)	513 (1.65)	380 (4.02)
AVG	.	1.28	.	486 (1.28)	491 (0.88)	506 (0.69)	520 (0.91)	403 (2.72)
HKG	72484	0.21	72334	528 (9.95)	530 (8.16)	552 (4.03)	578 (5.38)	. (.)
IDN	1971476	0.02	1971117	322 (5.62)	346 (4.47)	379 (4.57)	361 (4.07)	296 (7.26)
LVA	33643	0.22	33570	465 (9.10)	480 (5.52)	481 (3.55)	506 (5.41)	410 (19.18)
LIE	338	.	338	. (.)	521 (11.88)	537 (7.10)	548 (10.04)	. (.)
MAC	6546	0.10	6540	519 (17.34)	527 (7.08)	523 (3.68)	561 (7.68)	. (.)
RUS	2153373	0.02	2152991	439 (7.26)	450 (5.36)	468 (4.17)	493 (5.04)	391 (9.08)
YUG	68596	0.57	68202	412 (5.98)	446 (4.15)	444 (3.81)	452 (6.09)	373 (11.96)
THA	637076	.	637076	384 (5.85)	397 (4.33)	422 (3.07)	434 (4.62)	383 (12.72)
TUN	150875	0.07	150770	333 (5.42)	347 (3.74)	375 (3.07)	361 (3.88)	310 (5.58)
URY	33775	0.17	33717	397 (7.25)	417 (4.47)	437 (3.25)	436 (6.95)	325 (7.16)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't listen to what the teacher says.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	518 (4.43)	507 (3.42)	532 (2.24)	551 (3.37)	425 (7.75)
AUT	85931	1.08	85003	465 (5.98)	475 (4.89)	494 (4.20)	519 (4.40)	434 (21.78)
BEL	111831	1.79	109825	490 (5.46)	500 (3.60)	521 (2.67)	539 (3.83)	361 (14.10)
CAN	330436	9.70	298375	507 (3.88)	509 (2.94)	525 (2.21)	544 (2.83)	482 (7.34)
CZE	121183	4.11	116203	517 (6.22)	522 (3.81)	533 (3.25)	539 (6.66)	451 (26.69)
DNK	51741	0.65	51406	477 (6.75)	475 (4.28)	480 (3.28)	480 (6.27)	365 (15.53)
FIN	57884	0.07	57845	551 (6.17)	547 (2.82)	548 (2.10)	556 (6.34)	527 (19.35)
FRA	734579	0.87	728167	496 (7.58)	515 (4.54)	516 (3.63)	520 (5.87)	415 (17.75)
DEU	884358	5.57	835070	485 (6.85)	487 (6.32)	519 (3.87)	526 (3.94)	382 (12.05)
GRC	105131	0.13	104991	477 (8.02)	477 (4.62)	487 (4.19)	483 (6.54)	393 (12.67)
HUN	107044	0.06	106984	490 (7.86)	492 (4.24)	506 (2.84)	524 (6.01)	405 (15.04)
ISL	3928	0.63	3903	483 (7.79)	489 (3.83)	501 (1.92)	497 (5.57)	389 (19.95)
IRL	54850	1.03	54285	489 (6.90)	502 (4.35)	506 (3.05)	520 (4.95)	429 (18.16)
ITA	481521	0.38	479699	475 (5.77)	482 (4.52)	491 (3.45)	496 (5.67)	393 (16.94)
JPN	1240054	0.10	1238855	483 (8.82)	523 (6.62)	555 (4.13)	566 (6.21)	396 (21.85)
KOR	533504	.	533504	512 (7.86)	515 (4.74)	549 (3.52)	534 (8.46)	. (.)
LUX	4080	0.08	4077	476 (5.14)	481 (3.22)	489 (2.69)	487 (3.98)	407 (10.99)
MEX	1071650	0.37	1067674	372 (7.67)	409 (5.15)	414 (3.50)	420 (5.46)	340 (7.58)
NLD	184943	3.39	178678	522 (9.00)	514 (5.69)	531 (3.40)	551 (6.89)	464 (11.39)
NZL	48638	2.22	47560	523 (5.37)	510 (3.92)	527 (2.84)	536 (4.60)	. (.)
NOR	52816	0.77	52407	468 (8.14)	483 (4.28)	492 (3.09)	495 (6.24)	379 (10.82)
POL	534900	.	534900	494 (7.45)	497 (4.36)	496 (3.17)	519 (5.99)	422 (17.43)
PRT	96857	0.25	96616	454 (9.35)	450 (5.56)	474 (3.45)	488 (6.86)	416 (14.59)
SVK	77067	0.03	77043	490 (5.65)	496 (5.33)	495 (3.72)	507 (5.55)	401 (27.21)
ESP	344372	0.07	344114	466 (6.96)	473 (4.07)	496 (2.77)	502 (4.72)	397 (16.17)
SWE	107104	0.23	106861	501 (8.23)	497 (4.36)	508 (2.92)	522 (5.96)	424 (24.45)
CHE	86491	0.14	86370	494 (12.03)	499 (8.00)	521 (3.34)	522 (3.86)	449 (12.20)
TUR	481279	0.03	481137	409 (7.59)	417 (5.97)	444 (6.17)	461 (9.62)	373 (8.51)
GBR	698579	3.61	673362	502 (6.33)	497 (3.86)	523 (3.01)	554 (4.94)	410 (10.54)
USA	3147089	0.76	3123066	469 (6.41)	474 (3.58)	502 (3.10)	514 (5.05)	393 (14.89)
TOT	.	1.35	.	473 (2.57)	483 (1.41)	504 (1.15)	519 (1.78)	384 (4.28)
AVG	.	1.28	.	487 (1.36)	492 (0.89)	506 (0.67)	518 (1.00)	400 (2.93)
HKG	72484	0.21	72334	518 (9.72)	520 (7.59)	541 (3.85)	565 (5.06)	. (.)
IDN	1971476	0.02	1971117	365 (4.27)	383 (4.24)	409 (3.74)	396 (3.74)	348 (6.65)
LVA	33643	0.22	33570	477 (8.94)	484 (6.15)	488 (3.81)	508 (5.51)	405 (17.64)
LIE	338	.	338	. (.)	511 (14.37)	529 (7.38)	535 (10.74)	. (.)
MAC	6546	0.10	6540	519 (21.25)	519 (7.71)	521 (3.78)	562 (7.60)	. (.)
RUS	2153373	0.02	2152991	465 (10.54)	471 (5.36)	490 (4.05)	513 (5.01)	403 (9.18)
YUG	68596	0.57	68202	412 (5.14)	443 (4.01)	442 (3.45)	451 (6.12)	394 (14.38)
THA	637076	.	637076	397 (5.44)	410 (3.79)	434 (3.11)	443 (4.42)	404 (12.62)
TUN	150875	0.07	150770	360 (6.04)	371 (3.83)	401 (3.18)	391 (3.93)	314 (6.99)
URY	33775	0.17	33717	421 (8.40)	434 (4.43)	450 (3.10)	460 (6.80)	346 (6.01)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't listen to what the teacher says.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	525 (3.13)	515 (3.22)	536 (2.04)	551 (3.30)	438 (9.37)
AUT	85931	1.08	85003	480 (6.65)	493 (4.34)	510 (3.73)	530 (4.06)	444 (17.19)
BEL	111831	1.79	109825	506 (5.61)	516 (3.21)	537 (2.53)	555 (3.48)	395 (9.69)
CAN	330436	9.70	298375	517 (3.55)	522 (2.56)	536 (1.86)	552 (2.48)	498 (6.64)
CZE	121183	4.11	116203	510 (5.46)	516 (3.70)	527 (3.42)	534 (5.74)	453 (26.51)
DNK	51741	0.65	51406	519 (5.46)	514 (3.59)	520 (2.70)	526 (5.14)	429 (15.04)
FIN	57884	0.07	57845	553 (6.28)	546 (2.70)	548 (2.10)	554 (5.39)	518 (16.58)
FRA	734579	0.87	728167	502 (6.94)	521 (3.79)	525 (3.11)	528 (4.77)	415 (14.85)
DEU	884358	5.57	835070	489 (5.95)	495 (5.43)	526 (3.55)	535 (3.71)	402 (11.99)
GRC	105131	0.13	104991	440 (6.76)	442 (5.30)	456 (4.22)	456 (8.06)	362 (13.70)
HUN	107044	0.06	106984	476 (9.03)	485 (4.58)	505 (2.89)	527 (5.81)	415 (14.05)
ISL	3928	0.63	3903	482 (6.25)	498 (3.31)	511 (1.90)	512 (4.14)	402 (17.84)
IRL	54850	1.03	54285	482 (5.24)	497 (3.69)	500 (2.64)	511 (4.05)	391 (14.27)
ITA	481521	0.38	479699	458 (6.18)	463 (4.53)	476 (3.17)	478 (4.39)	362 (20.70)
JPN	1240054	0.10	1238855	484 (10.07)	525 (6.49)	555 (3.96)	560 (6.51)	424 (29.09)
KOR	533504	.	533504	524 (7.50)	531 (3.75)	560 (3.04)	549 (6.96)	. (.)
LUX	4080	0.08	4077	485 (5.21)	490 (2.74)	501 (2.17)	496 (3.72)	440 (9.42)
MEX	1071650	0.37	1067674	349 (7.30)	391 (5.85)	395 (4.32)	398 (6.16)	303 (6.38)
NLD	184943	3.39	178678	516 (8.03)	509 (5.27)	527 (3.36)	544 (5.58)	450 (10.89)
NZL	48638	2.22	47560	532 (5.18)	521 (3.36)	540 (2.40)	547 (4.15)	. (.)
NOR	52816	0.77	52407	468 (7.78)	484 (3.67)	497 (2.97)	505 (6.03)	426 (11.02)
POL	534900	.	534900	483 (6.27)	484 (4.66)	487 (2.81)	505 (5.17)	373 (24.88)
PRT	96857	0.25	96616	446 (10.02)	450 (5.72)	477 (3.63)	492 (7.33)	425 (13.01)
SVK	77067	0.03	77043	481 (5.56)	493 (4.31)	492 (3.32)	505 (5.41)	435 (29.79)
ESP	344372	0.07	344114	454 (6.82)	469 (4.29)	490 (2.65)	499 (5.46)	408 (12.57)
SWE	107104	0.23	106861	496 (7.47)	498 (3.73)	511 (2.48)	526 (5.00)	435 (18.34)
CHE	86491	0.14	86370	513 (9.41)	511 (6.95)	529 (2.97)	526 (3.51)	437 (12.56)
TUR	481279	0.03	481137	378 (9.75)	392 (6.56)	419 (5.84)	430 (9.95)	337 (9.09)
GBR	698579	3.61	673362	488 (5.46)	489 (3.25)	514 (2.54)	544 (4.85)	438 (10.10)
USA	3147089	0.76	3123066	450 (6.26)	458 (3.79)	487 (2.96)	503 (5.06)	396 (12.79)
TOT	.	1.35	.	463 (2.49)	476 (1.53)	498 (1.17)	514 (1.71)	375 (4.26)
AVG	.	1.28	.	485 (1.35)	491 (0.90)	506 (0.69)	519 (0.90)	401 (2.93)
HKG	72484	0.21	72334	530 (10.27)	530 (7.87)	549 (3.63)	575 (4.73)	. (.)
IDN	1971476	0.02	1971117	327 (4.68)	350 (3.94)	377 (4.10)	362 (3.41)	303 (5.51)
LVA	33643	0.22	33570	464 (9.18)	475 (5.88)	481 (3.81)	508 (5.69)	402 (21.66)
LIE	338	.	338	. (.)	518 (12.03)	530 (6.88)	543 (10.06)	. (.)
MAC	6546	0.10	6540	535 (19.96)	526 (7.46)	528 (3.32)	567 (6.97)	. (.)
RUS	2153373	0.02	2152991	449 (8.27)	459 (5.43)	480 (4.37)	504 (5.37)	377 (11.79)
YUG	68596	0.57	68202	397 (5.21)	429 (4.41)	428 (3.26)	437 (6.07)	346 (12.01)
THA	637076	.	637076	401 (5.94)	406 (4.01)	429 (2.77)	439 (4.60)	390 (17.28)
TUN	150875	0.07	150770	318 (5.72)	333 (3.28)	359 (3.10)	346 (3.28)	312 (5.96)
URY	33775	0.17	33717	384 (7.86)	406 (5.21)	425 (3.57)	430 (7.23)	306 (7.29)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives extra help when students need it. .

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	40.67	(1.00)	36.26	(0.62)	17.09	(0.53)	4.11	(0.21)	1.87	(0.17)
AUT	85931	1.08	85003	24.74	(0.92)	32.28	(0.82)	25.73	(0.77)	14.53	(0.90)	2.72	(0.77)
BEL	111831	1.79	109825	27.54	(0.73)	34.16	(0.65)	25.49	(0.52)	8.35	(0.44)	4.46	(0.55)
CAN	330436	9.70	298375	43.84	(0.62)	34.31	(0.49)	15.54	(0.42)	3.87	(0.20)	2.45	(0.16)
CZE	121183	4.11	116203	40.17	(1.25)	33.83	(0.89)	19.24	(0.92)	4.95	(0.50)	1.81	(0.38)
DNK	51741	0.65	51406	27.59	(0.87)	39.29	(0.82)	24.40	(0.80)	6.37	(0.39)	2.35	(0.30)
FIN	57884	0.07	57845	37.40	(0.83)	38.89	(0.71)	18.31	(0.59)	4.08	(0.41)	1.32	(0.20)
FRA	734579	0.87	728167	27.64	(0.85)	33.64	(0.72)	26.80	(0.68)	9.80	(0.58)	2.13	(0.27)
DEU	884358	5.57	835070	26.03	(0.95)	31.50	(0.73)	27.57	(0.93)	11.96	(0.60)	2.94	(0.38)
GRC	105131	0.13	104991	24.39	(0.90)	35.43	(0.84)	26.42	(0.98)	10.00	(0.72)	3.76	(0.49)
HUN	107044	0.06	106984	26.37	(0.89)	36.34	(0.78)	26.07	(0.91)	9.53	(0.58)	1.70	(0.19)
ISL	3928	0.63	3903	28.97	(0.77)	39.24	(0.86)	21.26	(0.62)	9.07	(0.48)	1.46	(0.23)
IRL	54850	1.03	54285	28.15	(0.95)	32.59	(0.76)	24.88	(0.90)	12.65	(0.70)	1.74	(0.24)
ITA	481521	0.38	479699	17.43	(0.76)	30.83	(0.70)	33.57	(0.68)	17.02	(0.67)	1.15	(0.14)
JPN	1240054	0.10	1238855	15.80	(0.66)	45.75	(0.80)	27.34	(0.68)	9.95	(0.60)	1.16	(0.30)
KOR	533504	.	533504	16.79	(0.69)	38.65	(0.84)	37.77	(0.82)	6.15	(0.43)	0.63	(0.10)
LUX	4080	0.08	4077	22.21	(0.62)	36.34	(0.71)	23.90	(0.71)	13.72	(0.53)	3.84	(0.30)
MEX	1071650	0.37	1067674	32.82	(0.84)	29.64	(0.79)	24.25	(0.69)	5.33	(0.29)	7.96	(0.65)
NLD	184943	3.40	178660	27.12	(1.08)	37.06	(0.87)	24.57	(0.76)	8.03	(0.61)	3.22	(0.51)
NZL	48638	2.20	47569	39.07	(0.93)	37.10	(0.77)	18.32	(0.71)	4.89	(0.40)	0.63	(.)
NOR	52816	0.77	52407	18.95	(0.79)	38.46	(0.76)	27.96	(0.89)	10.77	(0.61)	3.87	(0.47)
POL	534900	.	534900	22.45	(0.89)	37.98	(0.75)	30.64	(0.88)	7.37	(0.53)	1.56	(0.27)
PRT	96857	0.25	96616	34.38	(0.95)	37.51	(0.80)	20.91	(0.81)	5.20	(0.45)	2.00	(0.29)
SVK	77067	0.03	77043	23.69	(0.89)	33.19	(0.70)	31.64	(0.84)	9.49	(0.52)	1.99	(0.46)
ESP	344372	0.07	344114	17.07	(0.65)	29.68	(0.79)	32.48	(0.59)	17.71	(0.73)	3.06	(0.33)
SWE	107104	0.23	106861	27.30	(0.76)	41.37	(0.83)	23.41	(0.78)	5.80	(0.36)	2.13	(0.28)
CHE	86491	0.14	86370	37.57	(0.81)	33.65	(0.68)	19.37	(0.67)	7.14	(0.37)	2.27	(0.24)
TUR	481279	0.03	481137	34.95	(1.40)	32.67	(0.81)	18.65	(0.89)	4.91	(0.36)	8.82	(1.17)
GBR	698579	3.61	673362	36.77	(0.89)	36.23	(0.67)	19.13	(0.70)	5.82	(0.46)	2.04	(0.21)
USA	3147089	0.76	3123066	45.43	(0.98)	30.51	(0.68)	16.79	(0.55)	4.63	(0.34)	2.63	(0.37)
TOT	.	1.35	.	31.67	(0.29)	34.21	(0.22)	23.59	(0.20)	7.58	(0.13)	2.95	(0.14)
AVG	.	1.28	.	29.04	(0.16)	35.49	(0.14)	24.36	(0.12)	8.46	(0.08)	2.66	(0.08)
HKG	72484	0.21	72334	23.65	(0.65)	42.52	(0.84)	29.85	(0.77)	3.31	(0.33)	0.66	(.)
IDN	1971476	0.02	1971117	31.55	(0.71)	31.33	(0.77)	26.97	(0.72)	4.97	(0.37)	5.18	(0.51)
LVA	33643	0.22	33570	30.06	(1.39)	40.53	(1.11)	23.29	(0.88)	4.82	(0.41)	1.30	(0.22)
LIE	338	.	338	34.02	(2.61)	37.46	(2.45)	18.64	(2.03)	9.27	(1.66)	0.61	(.)
MAC	6546	0.10	6540	20.55	(1.30)	36.24	(1.46)	37.88	(1.51)	4.14	(0.57)	1.20	(.)
RUS	2153373	0.02	2152991	34.64	(0.89)	37.54	(0.86)	21.67	(0.62)	4.01	(0.43)	2.14	(0.34)
YUG	68596	0.60	68187	21.81	(0.80)	23.43	(0.78)	34.14	(0.83)	13.17	(0.65)	7.45	(0.96)
THA	637076	.	637076	42.13	(0.92)	34.06	(0.76)	20.13	(0.75)	2.11	(0.21)	1.57	(0.20)
TUN	150875	0.07	150770	31.23	(0.76)	25.66	(0.69)	23.86	(0.67)	11.62	(0.58)	7.64	(0.49)
URY	33775	0.17	33717	22.14	(0.93)	25.40	(0.87)	27.04	(0.85)	18.16	(0.86)	7.26	(0.63)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives extra help when students need it. .

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	541 (2.32)	526 (2.96)	509 (3.37)	500 (7.87)	417 (8.69)
AUT	85931	1.08	85003	485 (5.02)	492 (5.33)	499 (3.76)	507 (5.31)	459 (19.96)
BEL	111831	1.79	109825	514 (3.77)	521 (3.06)	517 (3.83)	513 (5.46)	359 (17.31)
CAN	330436	9.70	298375	540 (1.78)	531 (2.18)	521 (3.12)	499 (4.98)	493 (6.30)
CZE	121183	4.11	116203	495 (3.69)	504 (3.27)	493 (4.46)	489 (6.57)	422 (18.21)
DNK	51741	0.65	51406	497 (4.10)	499 (3.02)	495 (3.89)	478 (6.05)	362 (13.45)
FIN	57884	0.07	57845	553 (2.43)	542 (2.10)	535 (3.58)	527 (6.50)	496 (16.51)
FRA	734579	0.87	728167	490 (4.09)	501 (3.69)	509 (3.32)	496 (5.58)	403 (12.46)
DEU	884358	5.57	835070	485 (4.49)	503 (3.82)	520 (3.83)	517 (5.92)	382 (12.41)
GRC	105131	0.13	104991	467 (4.62)	479 (4.99)	484 (5.20)	472 (6.36)	370 (14.61)
HUN	107044	0.06	106984	482 (4.23)	485 (2.99)	484 (3.67)	483 (4.71)	388 (15.50)
ISL	3928	0.63	3903	507 (3.44)	498 (2.40)	479 (3.99)	472 (5.92)	369 (19.38)
IRL	54850	1.03	54285	513 (3.85)	519 (3.39)	519 (3.55)	515 (4.50)	422 (17.82)
ITA	481521	0.38	479699	439 (5.50)	470 (3.53)	491 (3.02)	500 (3.73)	394 (17.82)
JPN	1240054	0.10	1238855	518 (4.77)	507 (4.39)	495 (4.59)	455 (8.67)	351 (24.22)
KOR	533504	.	533504	546 (4.68)	536 (3.67)	534 (3.03)	504 (6.64)	399 (32.28)
LUX	4080	0.08	4077	465 (3.81)	487 (3.12)	488 (3.02)	492 (3.84)	392 (11.05)
MEX	1071650	0.37	1067674	407 (4.03)	408 (4.96)	407 (4.67)	419 (6.80)	306 (7.59)
NLD	184943	3.40	178660	528 (3.78)	520 (3.13)	513 (4.04)	497 (5.41)	485 (10.94)
NZL	48638	2.20	47569	536 (3.49)	524 (3.28)	508 (4.68)	503 (7.47)	. (.)
NOR	52816	0.77	52407	517 (4.02)	514 (3.47)	496 (3.85)	463 (5.69)	415 (13.50)
POL	534900	.	534900	490 (4.06)	502 (3.25)	498 (4.17)	506 (6.13)	391 (20.83)
PRT	96857	0.25	96616	474 (4.54)	480 (4.86)	482 (4.16)	484 (7.87)	442 (15.87)
SVK	77067	0.03	77043	454 (4.70)	467 (3.36)	484 (3.74)	485 (6.46)	384 (20.81)
ESP	344372	0.07	344114	475 (4.66)	484 (3.12)	485 (3.03)	486 (4.66)	401 (11.69)
SWE	107104	0.23	106861	520 (3.61)	518 (2.95)	514 (2.96)	504 (7.32)	425 (16.94)
CHE	86491	0.14	86370	504 (2.82)	498 (4.19)	502 (5.89)	499 (7.64)	404 (12.39)
TUR	481279	0.03	481137	452 (7.41)	451 (6.21)	437 (7.27)	430 (7.78)	376 (8.67)
GBR	698579	3.61	673362	519 (3.58)	508 (2.93)	496 (4.44)	480 (7.34)	419 (12.21)
USA	3147089	0.76	3123066	511 (3.19)	497 (4.07)	476 (4.62)	471 (6.56)	391 (14.48)
TOT	.	1.35	.	496 (1.46)	494 (1.44)	488 (1.37)	482 (1.99)	373 (4.77)
AVG	.	1.28	.	500 (0.78)	500 (0.76)	496 (0.80)	490 (1.16)	394 (3.22)
HKG	72484	0.21	72334	524 (3.65)	517 (4.03)	496 (4.31)	464 (8.61)	. (.)
IDN	1971476	0.02	1971117	378 (3.45)	384 (3.95)	396 (4.52)	375 (7.50)	318 (8.20)
LVA	33643	0.22	33570	494 (4.62)	491 (4.27)	491 (4.73)	492 (8.89)	406 (14.53)
LIE	338	.	338	521 (7.42)	523 (8.21)	528 (11.19)	549 (15.94)	. (.)
MAC	6546	0.10	6540	501 (5.50)	497 (3.65)	500 (3.80)	487 (9.62)	. (.)
RUS	2153373	0.02	2152991	446 (4.67)	449 (3.93)	436 (5.10)	443 (8.78)	331 (11.32)
YUG	68596	0.60	68187	395 (4.27)	418 (4.63)	424 (3.64)	434 (4.54)	350 (12.75)
THA	637076	.	637076	427 (3.13)	415 (3.75)	416 (4.04)	405 (11.84)	382 (11.63)
TUN	150875	0.07	150770	371 (4.30)	378 (3.87)	386 (3.86)	388 (5.38)	322 (6.52)
URY	33775	0.17	33717	431 (4.87)	434 (5.45)	450 (4.88)	454 (5.61)	333 (7.49)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives extra help when students need it. .

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	538 (2.16)	526 (2.71)	506 (3.21)	500 (7.11)	433 (7.76)
AUT	85931	1.08	85003	501 (4.69)	512 (4.77)	509 (3.43)	511 (4.15)	470 (12.28)
BEL	111831	1.79	109825	532 (3.70)	546 (2.79)	540 (3.13)	534 (4.98)	391 (14.92)
CAN	330436	9.70	298375	542 (1.71)	538 (2.21)	527 (3.28)	510 (4.83)	495 (6.21)
CZE	121183	4.11	116203	520 (3.91)	534 (3.95)	518 (4.40)	508 (7.11)	446 (19.23)
DNK	51741	0.65	51406	518 (3.93)	522 (3.06)	514 (3.87)	493 (5.16)	408 (12.15)
FIN	57884	0.07	57845	552 (2.50)	545 (2.24)	534 (3.74)	526 (6.62)	515 (15.80)
FRA	734579	0.87	728167	504 (3.89)	518 (3.25)	521 (3.26)	507 (5.41)	424 (11.76)
DEU	884358	5.57	835070	494 (4.57)	516 (3.78)	526 (3.62)	525 (6.39)	417 (10.59)
GRC	105131	0.13	104991	436 (4.61)	451 (4.67)	453 (4.13)	448 (5.97)	380 (10.58)
HUN	107044	0.06	106984	485 (4.63)	497 (3.46)	492 (3.86)	486 (4.82)	407 (15.48)
ISL	3928	0.63	3903	528 (2.82)	522 (2.21)	502 (3.86)	494 (5.16)	433 (16.72)
IRL	54850	1.03	54285	496 (3.92)	509 (2.86)	505 (3.35)	507 (4.70)	418 (13.64)
ITA	481521	0.38	479699	428 (5.76)	463 (3.42)	479 (3.46)	486 (3.61)	408 (13.87)
JPN	1240054	0.10	1238855	548 (4.89)	542 (4.77)	531 (4.45)	497 (7.74)	430 (19.68)
KOR	533504	.	533504	551 (5.78)	546 (3.72)	541 (3.14)	508 (7.16)	468 (17.40)
LUX	4080	0.08	4077	478 (3.02)	499 (2.25)	500 (3.02)	503 (3.31)	441 (8.58)
MEX	1071650	0.37	1067674	388 (3.75)	394 (4.74)	392 (3.73)	399 (6.11)	310 (6.68)
NLD	184943	3.40	178660	555 (4.16)	549 (3.38)	538 (4.07)	518 (6.27)	474 (9.43)
NZL	48638	2.20	47569	534 (3.09)	529 (3.06)	508 (4.02)	509 (7.33)	. (.)
NOR	52816	0.77	52407	511 (3.91)	509 (2.82)	491 (3.28)	459 (4.98)	417 (9.67)
POL	534900	.	534900	482 (3.85)	498 (3.01)	489 (3.55)	495 (5.97)	404 (15.48)
PRT	96857	0.25	96616	459 (4.28)	469 (4.42)	474 (3.56)	474 (6.48)	437 (11.33)
SVK	77067	0.03	77043	479 (4.12)	502 (3.60)	511 (3.83)	507 (6.52)	433 (18.70)
ESP	344372	0.07	344114	477 (3.54)	494 (3.16)	487 (2.70)	486 (4.04)	422 (10.27)
SWE	107104	0.23	106861	512 (3.92)	514 (3.17)	506 (2.93)	503 (7.36)	437 (15.21)
CHE	86491	0.14	86370	529 (3.67)	530 (4.40)	526 (5.51)	528 (7.72)	440 (10.01)
TUR	481279	0.03	481137	435 (8.61)	435 (7.24)	420 (8.68)	408 (7.61)	351 (8.15)
GBR	698579	3.61	673362	518 (3.45)	511 (2.62)	496 (4.73)	481 (6.84)	432 (10.68)
USA	3147089	0.76	3123066	493 (3.03)	486 (3.58)	467 (4.83)	467 (5.33)	408 (13.17)
TOT	.	1.35	.	490 (1.40)	499 (1.34)	491 (1.28)	486 (1.90)	386 (4.28)
AVG	.	1.28	.	502 (0.79)	508 (0.73)	501 (0.79)	494 (1.07)	408 (2.64)
HKG	72484	0.21	72334	570 (4.52)	559 (5.19)	531 (5.14)	500 (11.89)	. (.)
IDN	1971476	0.02	1971117	355 (4.00)	363 (4.64)	375 (4.78)	354 (5.97)	303 (6.23)
LVA	33643	0.22	33570	483 (4.55)	486 (4.20)	484 (4.25)	479 (8.22)	408 (12.88)
LIE	338	.	338	534 (9.30)	536 (8.18)	536 (10.84)	536 (18.59)	. (.)
MAC	6546	0.10	6540	528 (6.35)	527 (5.13)	532 (5.26)	508 (15.78)	. (.)
RUS	2153373	0.02	2152991	470 (4.81)	477 (4.01)	461 (5.24)	465 (8.34)	375 (11.04)
YUG	68596	0.60	68187	419 (4.87)	447 (4.69)	449 (3.87)	456 (5.65)	372 (10.35)
THA	637076	.	637076	423 (3.31)	413 (3.66)	417 (4.09)	397 (9.96)	374 (11.38)
TUN	150875	0.07	150770	359 (3.42)	361 (3.63)	365 (3.45)	367 (4.10)	320 (5.30)
URY	33775	0.17	33717	415 (4.42)	426 (4.44)	439 (4.45)	438 (4.16)	332 (6.26)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher gives extra help when students need it. .

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	540 (2.18)	526 (2.93)	506 (3.20)	499 (7.41)	433 (8.18)
AUT	85931	1.08	85003	488 (4.85)	494 (5.02)	494 (3.61)	502 (4.49)	456 (14.83)
BEL	111831	1.79	109825	513 (3.89)	523 (2.88)	519 (3.72)	513 (5.22)	369 (14.34)
CAN	330436	9.70	298375	529 (2.06)	525 (2.40)	513 (3.38)	494 (6.01)	479 (6.53)
CZE	121183	4.11	116203	527 (3.88)	538 (3.91)	524 (4.92)	517 (7.22)	441 (22.02)
DNK	51741	0.65	51406	478 (4.17)	485 (3.44)	477 (4.28)	457 (6.53)	336 (13.59)
FIN	57884	0.07	57845	560 (2.94)	547 (2.18)	534 (3.93)	525 (7.00)	534 (16.68)
FRA	734579	0.87	728167	501 (4.60)	517 (4.18)	525 (3.88)	512 (6.97)	431 (15.30)
DEU	884358	5.57	835070	494 (4.89)	515 (4.04)	528 (4.12)	526 (6.15)	405 (12.33)
GRC	105131	0.13	104991	472 (4.79)	487 (4.05)	491 (4.65)	483 (6.69)	409 (12.01)
HUN	107044	0.06	106984	502 (4.29)	506 (3.33)	506 (3.99)	502 (4.77)	421 (15.85)
ISL	3928	0.63	3903	510 (3.06)	500 (2.52)	481 (3.87)	472 (5.23)	405 (17.89)
IRL	54850	1.03	54285	501 (4.11)	510 (3.49)	506 (4.00)	508 (4.72)	437 (13.89)
ITA	481521	0.38	479699	450 (5.94)	484 (3.80)	502 (3.78)	505 (4.29)	408 (14.71)
JPN	1240054	0.10	1238855	571 (5.16)	558 (4.86)	540 (4.59)	503 (8.41)	405 (21.45)
KOR	533504	.	533504	551 (5.67)	541 (4.33)	537 (3.55)	501 (7.90)	470 (18.03)
LUX	4080	0.08	4077	467 (3.62)	490 (2.90)	490 (3.42)	493 (4.43)	415 (10.79)
MEX	1071650	0.37	1067674	408 (3.91)	412 (3.99)	411 (3.95)	421 (6.20)	341 (7.53)
NLD	184943	3.40	178660	542 (4.49)	534 (3.80)	522 (4.71)	505 (6.77)	464 (11.67)
NZL	48638	2.20	47569	533 (3.68)	525 (3.52)	505 (4.17)	504 (7.30)	. (.)
NOR	52816	0.77	52407	503 (4.61)	501 (3.41)	479 (3.68)	444 (5.47)	386 (10.18)
POL	534900	.	534900	489 (4.38)	504 (3.29)	497 (4.22)	508 (7.32)	438 (15.94)
PRT	96857	0.25	96616	462 (4.64)	470 (4.34)	477 (3.84)	478 (7.63)	426 (13.17)
SVK	77067	0.03	77043	481 (5.15)	495 (4.35)	507 (4.22)	508 (6.68)	410 (18.77)
ESP	344372	0.07	344114	481 (4.65)	493 (3.41)	489 (2.92)	492 (5.05)	414 (14.14)
SWE	107104	0.23	106861	509 (4.28)	510 (3.49)	504 (3.46)	499 (8.89)	435 (16.85)
CHE	86491	0.14	86370	515 (3.25)	515 (4.76)	514 (6.25)	515 (9.41)	432 (9.20)
TUR	481279	0.03	481137	446 (7.40)	443 (6.56)	427 (7.79)	422 (7.06)	377 (6.82)
GBR	698579	3.61	673362	532 (3.65)	521 (3.06)	506 (5.08)	490 (7.49)	423 (12.96)
USA	3147089	0.76	3123066	504 (3.28)	493 (3.95)	475 (4.66)	477 (5.99)	394 (15.90)
TOT	.	1.35	.	499 (1.44)	505 (1.38)	497 (1.23)	493 (1.88)	391 (4.49)
AVG	.	1.28	.	503 (0.75)	507 (0.74)	501 (0.79)	495 (1.11)	407 (2.58)
HKG	72484	0.21	72334	556 (4.59)	547 (4.70)	522 (5.23)	496 (10.27)	. (.)
IDN	1971476	0.02	1971117	391 (3.20)	398 (3.56)	406 (4.37)	388 (5.92)	352 (6.27)
LVA	33643	0.22	33570	493 (4.70)	491 (4.40)	487 (4.90)	481 (10.66)	400 (15.21)
LIE	338	.	338	526 (9.15)	523 (8.66)	525 (14.09)	529 (19.04)	. (.)
MAC	6546	0.10	6540	532 (7.37)	524 (5.28)	527 (5.16)	502 (13.77)	. (.)
RUS	2153373	0.02	2152991	489 (4.81)	498 (4.19)	486 (5.25)	489 (8.53)	390 (13.42)
YUG	68596	0.60	68187	419 (4.77)	443 (4.46)	445 (3.77)	457 (5.32)	395 (12.49)
THA	637076	.	637076	433 (3.02)	427 (3.18)	427 (3.93)	422 (10.89)	401 (11.16)
TUN	150875	0.07	150770	387 (3.53)	386 (3.53)	395 (3.41)	392 (5.16)	326 (6.04)
URY	33775	0.17	33717	431 (5.08)	444 (4.94)	452 (4.94)	455 (4.49)	353 (6.20)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives extra help when students need it. .

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	543 (2.09)	531 (2.63)	513 (3.03)	508 (6.50)	444 (8.39)
AUT	85931	1.08	85003	504 (4.78)	512 (4.53)	509 (3.18)	509 (4.12)	467 (12.64)
BEL	111831	1.79	109825	528 (3.57)	540 (2.82)	535 (3.09)	528 (4.92)	404 (10.12)
CAN	330436	9.70	298375	542 (1.68)	535 (2.20)	522 (3.16)	502 (5.07)	496 (5.98)
CZE	121183	4.11	116203	520 (3.77)	533 (3.65)	519 (4.54)	511 (7.18)	445 (21.44)
DNK	51741	0.65	51406	525 (3.73)	524 (2.81)	515 (3.54)	492 (5.25)	409 (12.86)
FIN	57884	0.07	57845	557 (2.45)	547 (2.31)	537 (3.79)	528 (7.22)	527 (15.21)
FRA	734579	0.87	728167	512 (3.79)	526 (3.61)	530 (3.12)	516 (5.35)	435 (12.84)
DEU	884358	5.57	835070	501 (4.47)	522 (3.57)	535 (3.81)	534 (5.87)	423 (11.47)
GRC	105131	0.13	104991	437 (4.80)	453 (4.93)	459 (4.26)	456 (6.66)	382 (10.81)
HUN	107044	0.06	106984	498 (4.89)	506 (3.56)	504 (3.63)	497 (5.29)	431 (14.95)
ISL	3928	0.63	3903	516 (2.82)	511 (2.18)	492 (3.49)	489 (5.61)	416 (16.54)
IRL	54850	1.03	54285	496 (3.62)	504 (2.91)	499 (3.15)	497 (4.35)	410 (13.30)
ITA	481521	0.38	479699	432 (5.67)	469 (3.60)	484 (3.33)	490 (3.95)	378 (16.26)
JPN	1240054	0.10	1238855	561 (5.42)	555 (4.69)	545 (4.77)	510 (8.04)	433 (28.89)
KOR	533504	.	533504	559 (5.32)	552 (3.57)	551 (2.92)	518 (6.83)	470 (19.49)
LUX	4080	0.08	4077	480 (3.61)	501 (2.44)	500 (3.04)	499 (3.40)	444 (9.37)
MEX	1071650	0.37	1067674	389 (4.74)	394 (5.79)	390 (4.52)	396 (7.22)	303 (7.39)
NLD	184943	3.40	178660	537 (4.02)	529 (3.44)	517 (4.28)	496 (6.44)	450 (11.21)
NZL	48638	2.20	47569	541 (3.03)	537 (2.92)	523 (4.09)	520 (7.03)	. (.)
NOR	52816	0.77	52407	507 (4.70)	503 (3.24)	486 (3.55)	449 (5.23)	431 (11.22)
POL	534900	.	534900	480 (3.96)	494 (2.91)	485 (3.83)	490 (5.71)	396 (21.71)
PRT	96857	0.25	96616	464 (4.77)	473 (5.02)	477 (4.11)	478 (7.24)	429 (13.02)
SVK	77067	0.03	77043	473 (4.35)	495 (3.62)	504 (3.99)	500 (6.81)	434 (20.39)
ESP	344372	0.07	344114	475 (4.18)	489 (3.42)	485 (3.15)	483 (4.62)	423 (10.70)
SWE	107104	0.23	106861	511 (3.79)	512 (2.80)	507 (3.27)	504 (6.35)	449 (13.76)
CHE	86491	0.14	86370	525 (3.12)	523 (4.04)	523 (4.95)	522 (6.95)	419 (10.66)
TUR	481279	0.03	481137	420 (7.74)	418 (6.44)	403 (7.64)	391 (7.40)	338 (8.59)
GBR	698579	3.61	673362	520 (3.46)	513 (2.67)	499 (4.50)	484 (7.66)	443 (10.95)
USA	3147089	0.76	3123066	490 (3.23)	480 (3.68)	458 (4.84)	456 (6.05)	395 (14.47)
TOT	.	1.35	.	490 (1.41)	499 (1.45)	492 (1.43)	487 (1.94)	380 (4.71)
AVG	.	1.28	.	503 (0.83)	508 (0.75)	501 (0.78)	493 (1.03)	407 (2.87)
HKG	72484	0.21	72334	567 (4.24)	555 (4.75)	530 (5.21)	498 (11.41)	. (.)
IDN	1971476	0.02	1971117	356 (3.47)	364 (3.62)	376 (4.26)	357 (6.39)	308 (5.85)
LVA	33643	0.22	33570	487 (4.73)	484 (4.40)	482 (4.94)	475 (8.78)	399 (14.06)
LIE	338	.	338	528 (8.18)	529 (8.94)	530 (10.55)	535 (18.22)	. (.)
MAC	6546	0.10	6540	535 (6.88)	534 (4.97)	533 (5.16)	517 (12.51)	. (.)
RUS	2153373	0.02	2152991	479 (5.23)	488 (4.77)	473 (5.44)	479 (8.74)	363 (12.30)
YUG	68596	0.60	68187	402 (4.08)	430 (4.44)	433 (3.50)	441 (4.61)	347 (10.18)
THA	637076	.	637076	431 (3.07)	422 (3.74)	422 (4.19)	405 (9.73)	391 (12.26)
TUN	150875	0.07	150770	343 (3.02)	345 (3.35)	353 (3.34)	352 (4.32)	316 (5.05)
URY	33775	0.17	33717	402 (4.51)	415 (5.54)	428 (4.33)	428 (5.15)	312 (6.26)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students work from books and other printed material.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	47.98	(1.01)	35.35	(0.68)	12.57	(0.52)	2.25	(0.18)	1.86	(0.17)
AUT	85931	1.08	85003	39.10	(1.13)	30.11	(0.87)	17.62	(0.79)	11.09	(0.70)	2.07	(0.76)
BEL	111831	1.79	109825	40.39	(0.77)	23.33	(0.61)	17.45	(0.53)	14.20	(0.63)	4.62	(0.57)
CAN	330436	9.70	298375	50.62	(0.64)	34.23	(0.59)	9.80	(0.33)	2.34	(0.17)	3.01	(0.17)
CZE	121183	4.11	116203	37.19	(1.32)	30.55	(0.83)	18.62	(0.87)	12.38	(0.99)	1.26	(0.37)
DNK	51741	0.65	51406	41.56	(1.23)	44.28	(0.90)	10.10	(0.78)	1.12	(0.20)	2.94	(0.34)
FIN	57884	0.07	57845	36.41	(0.77)	36.91	(0.68)	18.60	(0.73)	6.80	(0.39)	1.28	(0.17)
FRA	734579	0.87	728167	35.96	(0.98)	34.19	(0.86)	16.37	(0.77)	11.14	(0.76)	2.34	(0.28)
DEU	884358	5.57	835070	54.45	(1.14)	30.52	(0.86)	8.75	(0.62)	3.54	(0.43)	2.75	(0.43)
GRC	105131	0.13	104991	14.33	(0.62)	29.77	(0.76)	30.29	(0.74)	22.33	(0.70)	3.29	(0.49)
HUN	107044	0.06	106984	25.96	(0.99)	30.15	(0.83)	26.05	(0.82)	16.35	(0.75)	1.50	(0.20)
ISL	3928	0.63	3903	55.73	(0.74)	26.46	(0.68)	12.10	(0.49)	4.21	(0.36)	1.50	(0.23)
IRL	54850	1.03	54285	55.66	(1.15)	27.25	(0.74)	10.57	(0.57)	4.88	(0.50)	1.63	(0.26)
ITA	481521	0.38	479699	27.83	(0.77)	26.01	(0.67)	24.61	(0.58)	20.03	(0.59)	1.52	(0.21)
JPN	1240054	0.10	1238855	16.74	(0.73)	42.43	(0.65)	26.10	(0.69)	13.37	(0.72)	1.36	(0.30)
KOR	533504	.	533504	15.05	(0.68)	36.17	(0.93)	38.47	(0.81)	9.83	(0.67)	0.47	(.)
LUX	4080	0.08	4077	34.40	(0.75)	35.77	(0.77)	16.81	(0.60)	9.56	(0.48)	3.46	(0.28)
MEX	1071650	0.37	1067674	23.46	(0.89)	24.37	(0.65)	30.34	(0.81)	13.80	(0.80)	8.02	(0.70)
NLD	184943	3.39	178678	52.52	(1.12)	28.57	(0.98)	10.08	(0.77)	5.78	(0.46)	3.05	(0.47)
NZL	48638	2.24	47549	43.51	(1.09)	41.15	(0.91)	12.98	(0.61)	1.72	(0.22)	0.64	(.)
NOR	52816	0.77	52407	27.31	(0.79)	43.28	(0.85)	18.53	(0.75)	6.96	(0.38)	3.92	(0.50)
POL	534900	.	534900	24.23	(0.76)	29.37	(0.77)	33.62	(0.81)	11.54	(0.57)	1.24	(0.22)
PRT	96857	0.25	96616	26.96	(0.87)	37.04	(0.89)	23.84	(0.89)	10.12	(0.53)	2.04	(0.29)
SVK	77067	0.03	77043	35.37	(1.25)	28.73	(0.92)	22.24	(0.70)	11.85	(1.11)	1.81	(0.48)
ESP	344372	0.07	344114	32.39	(0.74)	29.02	(0.60)	21.19	(0.60)	14.52	(0.68)	2.88	(0.31)
SWE	107104	0.23	106861	60.25	(0.94)	25.69	(0.72)	8.60	(0.49)	3.94	(0.32)	1.51	(0.22)
CHE	86491	0.14	86370	49.50	(0.75)	31.24	(0.74)	11.01	(0.51)	5.85	(0.37)	2.39	(0.28)
TUR	481279	0.03	481137	19.31	(0.73)	28.86	(0.73)	29.86	(0.93)	12.40	(0.64)	9.58	(1.19)
GBR	698579	3.61	673362	41.68	(1.08)	39.10	(0.70)	14.80	(0.82)	2.47	(0.27)	1.96	(0.23)
USA	3147089	0.76	3123066	45.48	(0.80)	33.05	(0.67)	14.61	(0.61)	4.15	(0.38)	2.71	(0.35)
TOT	.	1.35	.	35.39	(0.30)	32.75	(0.23)	20.19	(0.22)	8.67	(0.16)	3.00	(0.13)
AVG	.	1.28	.	36.93	(0.19)	32.43	(0.13)	18.96	(0.14)	9.06	(0.11)	2.62	(0.08)
HKG	72484	0.21	72334	19.72	(0.80)	31.72	(0.93)	37.81	(0.80)	10.34	(0.55)	0.42	(.)
IDN	1971476	0.02	1971117	38.66	(0.94)	32.87	(0.88)	19.94	(0.76)	3.45	(0.42)	5.08	(0.57)
LVA	33643	0.22	33570	42.21	(1.44)	35.20	(0.96)	17.65	(1.03)	3.62	(0.73)	1.31	(0.20)
LIE	338	.	338	58.39	(2.98)	29.54	(2.59)	9.07	(.)	2.10	(.)	0.91	(.)
MAC	6546	0.10	6540	17.42	(1.17)	29.22	(1.55)	42.48	(1.84)	10.43	(1.07)	0.46	(.)
RUS	2153373	0.02	2152991	40.42	(1.42)	28.50	(0.80)	22.03	(0.90)	6.62	(0.79)	2.43	(0.31)
YUG	68596	0.57	68202	13.48	(0.54)	20.59	(0.74)	32.00	(0.85)	26.43	(0.89)	7.49	(1.03)
THA	637076	.	637076	19.87	(0.64)	37.46	(0.91)	37.48	(1.05)	4.09	(0.30)	1.09	(0.18)
TUN	150875	0.07	150770	31.52	(0.79)	31.08	(0.72)	21.74	(0.67)	7.73	(0.43)	7.93	(0.47)
URY	33775	0.17	33717	13.59	(0.89)	21.57	(0.79)	26.84	(0.81)	30.84	(1.31)	7.17	(0.59)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students work from books and other printed material.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	547 (2.29)	517 (3.00)	494 (3.91)	470 (7.21)	412 (8.75)
AUT	85931	1.08	85003	504 (4.25)	485 (3.97)	484 (6.29)	504 (6.46)	437 (32.36)
BEL	111831	1.79	109825	540 (2.84)	509 (3.89)	490 (3.95)	505 (5.12)	357 (16.01)
CAN	330436	9.70	298375	548 (1.66)	521 (2.05)	504 (3.63)	480 (6.81)	495 (6.72)
CZE	121183	4.11	116203	493 (3.61)	494 (4.12)	503 (3.86)	507 (7.24)	406 (28.36)
DNK	51741	0.65	51406	510 (2.81)	494 (2.81)	457 (6.35)	422 (15.16)	377 (13.49)
FIN	57884	0.07	57845	554 (2.18)	539 (2.32)	536 (2.93)	543 (4.86)	488 (16.82)
FRA	734579	0.87	728167	511 (3.27)	504 (3.63)	485 (5.10)	472 (5.59)	397 (13.66)
DEU	884358	5.57	835070	515 (3.43)	500 (4.50)	477 (6.04)	453 (11.19)	365 (11.16)
GRC	105131	0.13	104991	461 (6.22)	474 (4.72)	481 (4.52)	483 (4.98)	356 (15.36)
HUN	107044	0.06	106984	481 (3.70)	487 (3.29)	478 (4.15)	490 (4.44)	375 (17.52)
ISL	3928	0.63	3903	517 (2.19)	471 (3.28)	459 (4.93)	450 (9.38)	358 (15.85)
IRL	54850	1.03	54285	524 (2.86)	511 (3.54)	501 (6.00)	498 (9.02)	416 (18.59)
ITA	481521	0.38	479699	489 (3.97)	483 (4.22)	463 (4.16)	469 (3.96)	388 (16.68)
JPN	1240054	0.10	1238855	513 (5.63)	511 (4.05)	494 (4.92)	463 (8.78)	360 (21.45)
KOR	533504	.	533504	547 (5.00)	537 (3.64)	534 (2.88)	513 (6.03)	. (.)
LUX	4080	0.08	4077	493 (2.90)	485 (2.40)	471 (4.66)	469 (5.10)	361 (10.64)
MEX	1071650	0.37	1067674	401 (5.08)	403 (6.59)	408 (4.08)	432 (3.13)	301 (6.82)
NLD	184943	3.39	178678	539 (2.92)	508 (3.81)	471 (5.14)	462 (7.03)	487 (10.23)
NZL	48638	2.24	47549	546 (3.34)	516 (3.05)	494 (5.46)	441 (14.42)	. (.)
NOR	52816	0.77	52407	528 (3.54)	505 (3.28)	475 (5.08)	481 (8.23)	412 (13.17)
POL	534900	.	534900	503 (3.72)	497 (3.66)	492 (3.55)	509 (5.27)	373 (17.81)
PRT	96857	0.25	96616	489 (4.48)	481 (4.15)	471 (5.30)	463 (6.51)	425 (15.78)
SVK	77067	0.03	77043	462 (4.84)	469 (3.43)	477 (3.97)	495 (5.77)	357 (28.34)
ESP	344372	0.07	344114	494 (3.43)	481 (3.74)	476 (4.01)	476 (4.90)	383 (13.11)
SWE	107104	0.23	106861	536 (2.41)	497 (3.78)	456 (6.89)	479 (9.32)	384 (19.12)
CHE	86491	0.14	86370	515 (3.13)	492 (5.08)	478 (5.01)	482 (7.70)	411 (11.37)
TUR	481279	0.03	481137	442 (6.82)	445 (6.29)	447 (6.15)	461 (7.59)	382 (8.24)
GBR	698579	3.61	673362	520 (3.40)	503 (3.30)	495 (4.38)	468 (10.75)	416 (10.72)
USA	3147089	0.76	3123066	517 (3.32)	486 (3.71)	480 (5.03)	466 (7.83)	385 (12.92)
TOT	.	1.35	.	508 (1.38)	491 (1.37)	476 (1.56)	469 (2.32)	368 (4.47)
AVG	.	1.28	.	514 (0.65)	495 (0.76)	481 (0.97)	481 (1.35)	386 (3.32)
HKG	72484	0.21	72334	533 (3.90)	511 (5.95)	503 (3.70)	494 (5.09)	. (.)
IDN	1971476	0.02	1971117	388 (3.61)	384 (4.05)	383 (4.38)	369 (9.77)	313 (8.31)
LVA	33643	0.22	33570	501 (4.09)	486 (4.45)	483 (5.60)	477 (8.76)	418 (16.09)
LIE	338	.	338	531 (5.36)	526 (9.39)	. (.)	. (.)	. (.)
MAC	6546	0.10	6540	506 (5.07)	502 (4.20)	492 (3.58)	498 (7.14)	. (.)
RUS	2153373	0.02	2152991	455 (3.78)	440 (4.61)	438 (5.31)	423 (11.02)	344 (11.40)
YUG	68596	0.57	68202	388 (4.64)	414 (4.64)	421 (3.92)	430 (3.85)	350 (13.27)
THA	637076	.	637076	432 (4.43)	420 (3.83)	417 (2.82)	407 (7.77)	368 (16.07)
TUN	150875	0.07	150770	374 (4.19)	381 (3.61)	384 (4.06)	382 (5.60)	320 (6.24)
URY	33775	0.17	33717	403 (6.68)	421 (6.05)	446 (4.31)	470 (4.28)	335 (7.47)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students work from books and other printed material.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	544 (2.13)	517 (2.47)	494 (4.02)	476 (6.73)	430 (8.24)
AUT	85931	1.08	85003	516 (3.91)	502 (3.30)	502 (5.67)	511 (7.36)	449 (18.36)
BEL	111831	1.79	109825	562 (2.60)	533 (3.40)	511 (3.67)	522 (4.85)	391 (13.96)
CAN	330436	9.70	298375	550 (1.65)	528 (1.95)	513 (3.67)	497 (5.79)	496 (6.10)
CZE	121183	4.11	116203	519 (4.02)	522 (4.83)	530 (4.06)	532 (8.25)	428 (30.02)
DNK	51741	0.65	51406	527 (2.78)	518 (3.04)	481 (6.03)	458 (17.51)	421 (12.29)
FIN	57884	0.07	57845	551 (2.53)	542 (2.54)	537 (3.20)	551 (5.43)	506 (16.61)
FRA	734579	0.87	728167	521 (3.30)	519 (3.28)	502 (5.28)	493 (4.63)	413 (12.54)
DEU	884358	5.57	835070	522 (3.66)	512 (3.87)	489 (6.65)	474 (9.79)	405 (10.33)
GRC	105131	0.13	104991	428 (6.17)	445 (4.09)	454 (4.85)	455 (4.05)	370 (9.98)
HUN	107044	0.06	106984	487 (4.16)	496 (3.46)	488 (4.52)	497 (4.50)	394 (13.82)
ISL	3928	0.63	3903	535 (1.88)	498 (3.03)	491 (4.09)	477 (7.65)	417 (16.04)
IRL	54850	1.03	54285	509 (2.85)	501 (3.26)	492 (4.98)	491 (8.68)	413 (14.87)
ITA	481521	0.38	479699	475 (4.03)	477 (3.93)	455 (3.98)	457 (3.38)	401 (13.58)
JPN	1240054	0.10	1238855	544 (6.19)	546 (4.28)	532 (5.12)	497 (8.05)	438 (16.10)
KOR	533504	.	533504	553 (5.42)	546 (3.94)	543 (3.01)	518 (6.52)	. (.)
LUX	4080	0.08	4077	500 (2.22)	496 (1.94)	488 (3.66)	492 (4.83)	425 (9.30)
MEX	1071650	0.37	1067674	386 (4.61)	391 (5.92)	390 (3.91)	412 (2.88)	305 (5.81)
NLD	184943	3.39	178678	566 (3.00)	536 (4.03)	497 (5.29)	488 (6.90)	476 (9.38)
NZL	48638	2.24	47549	543 (2.92)	520 (2.65)	499 (5.50)	454 (11.87)	. (.)
NOR	52816	0.77	52407	516 (3.20)	500 (2.92)	476 (4.26)	486 (7.33)	417 (10.07)
POL	534900	.	534900	496 (3.52)	491 (3.27)	484 (3.15)	505 (4.76)	385 (14.63)
PRT	96857	0.25	96616	475 (4.25)	473 (4.01)	457 (4.77)	449 (5.87)	423 (11.57)
SVK	77067	0.03	77043	490 (4.97)	500 (3.65)	505 (4.33)	517 (6.42)	414 (24.53)
ESP	344372	0.07	344114	494 (3.34)	488 (3.28)	480 (3.45)	483 (3.84)	408 (11.36)
SWE	107104	0.23	106861	529 (2.68)	493 (3.84)	457 (5.94)	470 (8.29)	403 (18.06)
CHE	86491	0.14	86370	540 (3.53)	522 (5.11)	507 (4.71)	506 (7.80)	440 (12.25)
TUR	481279	0.03	481137	422 (8.15)	434 (7.20)	428 (7.03)	444 (9.26)	352 (7.34)
GBR	698579	3.61	673362	520 (3.34)	504 (2.93)	497 (4.05)	476 (10.21)	430 (10.12)
USA	3147089	0.76	3123066	501 (3.21)	477 (3.45)	468 (4.70)	451 (6.89)	402 (11.35)
TOT	.	1.35	.	505 (1.37)	495 (1.18)	478 (1.70)	471 (2.19)	380 (3.90)
AVG	.	1.28	.	518 (0.65)	503 (0.74)	486 (1.08)	485 (1.40)	401 (2.64)
HKG	72484	0.21	72334	576 (4.39)	552 (7.57)	543 (4.26)	533 (7.11)	. (.)
IDN	1971476	0.02	1971117	367 (4.22)	362 (4.44)	361 (5.20)	348 (8.63)	296 (7.22)
LVA	33643	0.22	33570	490 (4.19)	480 (4.11)	479 (6.02)	488 (11.00)	414 (12.46)
LIE	338	.	338	536 (5.80)	545 (9.82)	. (.)	. (.)	. (.)
MAC	6546	0.10	6540	537 (6.71)	535 (5.68)	523 (5.02)	510 (9.70)	. (.)
RUS	2153373	0.02	2152991	477 (3.75)	467 (4.83)	466 (5.45)	459 (10.37)	383 (8.79)
YUG	68596	0.57	68202	414 (5.03)	444 (4.66)	445 (4.02)	454 (4.21)	369 (10.91)
THA	637076	.	637076	430 (4.71)	419 (3.46)	411 (3.14)	402 (6.02)	368 (13.20)
TUN	150875	0.07	150770	361 (3.25)	365 (3.33)	364 (3.26)	362 (4.61)	309 (4.93)
URY	33775	0.17	33717	403 (6.24)	419 (5.19)	428 (3.82)	450 (3.89)	330 (6.39)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students work from books and other printed material.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	547 (2.16)	516 (2.79)	492 (4.29)	469 (8.00)	432 (7.74)
AUT	85931	1.08	85003	503 (4.19)	488 (3.76)	483 (5.98)	498 (7.03)	435 (23.78)
BEL	111831	1.79	109825	538 (2.64)	511 (3.58)	492 (4.37)	506 (4.88)	369 (13.40)
CAN	330436	9.70	298375	538 (1.94)	514 (2.33)	496 (4.45)	479 (7.06)	474 (6.96)
CZE	121183	4.11	116203	525 (4.02)	526 (4.85)	537 (4.31)	540 (8.15)	420 (34.73)
DNK	51741	0.65	51406	492 (2.95)	478 (3.31)	437 (7.00)	409 (15.87)	357 (13.48)
FIN	57884	0.07	57845	557 (2.61)	543 (2.76)	542 (3.63)	551 (5.62)	528 (18.17)
FRA	734579	0.87	728167	523 (3.95)	520 (3.96)	503 (5.96)	487 (6.00)	421 (17.02)
DEU	884358	5.57	835070	525 (3.94)	511 (4.37)	483 (6.70)	463 (12.91)	392 (11.36)
GRC	105131	0.13	104991	465 (5.89)	480 (4.56)	490 (4.50)	494 (5.39)	393 (11.38)
HUN	107044	0.06	106984	499 (3.99)	508 (3.43)	501 (4.67)	513 (4.62)	409 (15.30)
ISL	3928	0.63	3903	517 (2.40)	475 (3.39)	466 (5.45)	456 (8.38)	400 (16.37)
IRL	54850	1.03	54285	516 (3.03)	500 (3.55)	485 (5.96)	477 (9.31)	432 (14.22)
ITA	481521	0.38	479699	500 (4.25)	499 (4.37)	473 (4.44)	475 (3.56)	406 (14.76)
JPN	1240054	0.10	1238855	562 (6.18)	561 (4.37)	542 (5.36)	513 (8.31)	416 (17.12)
KOR	533504	.	533504	549 (5.90)	541 (4.48)	540 (3.54)	515 (6.87)	. (.)
LUX	4080	0.08	4077	494 (2.77)	488 (2.47)	474 (4.74)	474 (5.47)	392 (11.72)
MEX	1071650	0.37	1067674	406 (4.23)	410 (5.65)	409 (3.95)	424 (3.40)	336 (6.41)
NLD	184943	3.39	178678	552 (3.23)	521 (4.33)	478 (6.10)	472 (8.01)	465 (11.65)
NZL	48638	2.24	47549	544 (3.51)	515 (2.90)	492 (5.63)	445 (15.18)	. (.)
NOR	52816	0.77	52407	516 (4.07)	490 (3.25)	455 (4.80)	461 (7.64)	388 (11.27)
POL	534900	.	534900	506 (4.07)	499 (3.72)	489 (3.93)	511 (6.05)	428 (15.10)
PRT	96857	0.25	96616	476 (4.52)	474 (3.74)	460 (5.40)	454 (6.57)	418 (13.47)
SVK	77067	0.03	77043	490 (5.39)	496 (4.10)	500 (4.41)	515 (6.90)	382 (25.04)
ESP	344372	0.07	344114	499 (3.64)	487 (3.79)	483 (3.54)	485 (6.40)	397 (16.38)
SWE	107104	0.23	106861	527 (3.05)	489 (4.11)	450 (7.94)	469 (9.42)	405 (21.22)
CHE	86491	0.14	86370	530 (3.72)	508 (5.35)	485 (5.76)	482 (8.35)	435 (12.71)
TUR	481279	0.03	481137	433 (7.03)	441 (6.45)	438 (6.26)	456 (8.93)	377 (7.13)
GBR	698579	3.61	673362	531 (3.54)	516 (3.25)	507 (5.14)	484 (11.61)	420 (11.47)
USA	3147089	0.76	3123066	511 (3.31)	485 (3.54)	475 (4.89)	461 (7.67)	386 (14.24)
TOT	.	1.35	.	512 (1.39)	502 (1.18)	485 (1.56)	479 (2.34)	384 (4.11)
AVG	.	1.28	.	517 (0.65)	501 (0.73)	487 (1.01)	488 (1.53)	398 (2.66)
HKG	72484	0.21	72334	564 (4.43)	541 (7.16)	532 (4.15)	521 (6.59)	. (.)
IDN	1971476	0.02	1971117	401 (3.56)	398 (3.73)	393 (4.30)	380 (7.24)	348 (6.59)
LVA	33643	0.22	33570	500 (4.45)	485 (4.26)	479 (6.61)	492 (13.95)	414 (15.51)
LIE	338	.	338	525 (6.59)	535 (11.30)	. (.)	. (.)	. (.)
MAC	6546	0.10	6540	534 (6.58)	535 (6.10)	516 (4.73)	518 (10.15)	. (.)
RUS	2153373	0.02	2152991	502 (3.99)	488 (4.86)	483 (5.41)	476 (10.80)	393 (9.98)
YUG	68596	0.57	68202	412 (4.60)	439 (4.52)	441 (4.01)	455 (3.83)	394 (12.67)
THA	637076	.	637076	444 (4.46)	430 (3.48)	423 (2.74)	416 (7.60)	395 (13.62)
TUN	150875	0.07	150770	390 (3.16)	389 (3.60)	392 (3.04)	388 (6.55)	321 (5.94)
URY	33775	0.17	33717	417 (6.07)	429 (4.85)	448 (4.38)	466 (4.02)	351 (6.39)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students work from books and other printed material.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	552 (1.94)	522 (2.71)	495 (3.52)	471 (6.71)	442 (9.20)
AUT	85931	1.08	85003	515 (3.74)	502 (3.33)	504 (5.39)	516 (6.79)	446 (18.12)
BEL	111831	1.79	109825	556 (2.70)	528 (3.29)	507 (3.69)	516 (4.92)	404 (9.51)
CAN	330436	9.70	298375	547 (1.71)	526 (2.01)	509 (3.73)	490 (6.26)	500 (5.90)
CZE	121183	4.11	116203	518 (4.04)	521 (4.49)	531 (3.89)	534 (7.58)	428 (33.70)
DNK	51741	0.65	51406	531 (2.82)	519 (2.74)	483 (5.59)	449 (17.24)	424 (13.51)
FIN	57884	0.07	57845	556 (2.39)	545 (2.63)	539 (3.16)	548 (5.33)	519 (14.86)
FRA	734579	0.87	728167	529 (3.34)	529 (3.69)	510 (5.09)	502 (5.39)	418 (14.27)
DEU	884358	5.57	835070	530 (3.37)	519 (4.04)	497 (6.12)	482 (10.45)	412 (11.60)
GRC	105131	0.13	104991	431 (6.22)	448 (4.35)	459 (4.87)	458 (4.12)	371 (11.35)
HUN	107044	0.06	106984	498 (3.96)	508 (3.59)	498 (4.54)	506 (4.74)	423 (13.81)
ISL	3928	0.63	3903	525 (1.91)	487 (2.94)	481 (4.27)	466 (7.89)	407 (15.25)
IRL	54850	1.03	54285	506 (2.58)	495 (3.41)	487 (4.97)	483 (8.61)	399 (13.83)
ITA	481521	0.38	479699	480 (4.19)	481 (4.15)	459 (4.21)	464 (3.58)	371 (15.33)
JPN	1240054	0.10	1238855	555 (6.39)	559 (4.23)	546 (5.23)	513 (8.57)	448 (21.32)
KOR	533504	.	533504	559 (5.41)	552 (3.77)	552 (2.81)	532 (5.72)	. (.)
LUX	4080	0.08	4077	504 (2.69)	497 (2.18)	487 (3.63)	482 (4.52)	426 (9.85)
MEX	1071650	0.37	1067674	386 (5.60)	390 (7.00)	389 (4.48)	412 (3.99)	298 (5.73)
NLD	184943	3.39	178678	546 (2.92)	516 (3.97)	477 (5.45)	475 (8.14)	450 (10.83)
NZL	48638	2.24	47549	553 (2.92)	528 (2.57)	507 (5.13)	465 (12.72)	. (.)
NOR	52816	0.77	52407	514 (3.84)	494 (3.04)	466 (4.83)	472 (7.76)	430 (11.27)
POL	534900	.	534900	493 (3.81)	487 (3.34)	482 (3.24)	496 (5.25)	374 (23.07)
PRT	96857	0.25	96616	476 (4.43)	477 (4.19)	464 (5.33)	456 (6.93)	422 (12.24)
SVK	77067	0.03	77043	483 (5.06)	494 (3.92)	499 (4.51)	511 (6.23)	417 (26.42)
ESP	344372	0.07	344114	491 (3.35)	484 (4.00)	478 (4.04)	480 (4.36)	411 (11.18)
SWE	107104	0.23	106861	528 (2.50)	493 (3.61)	457 (5.67)	471 (7.87)	424 (16.79)
CHE	86491	0.14	86370	537 (3.20)	517 (4.44)	499 (4.33)	496 (7.43)	422 (12.61)
TUR	481279	0.03	481137	410 (7.04)	417 (6.70)	412 (6.21)	424 (8.14)	340 (7.60)
GBR	698579	3.61	673362	521 (3.15)	506 (3.00)	501 (4.24)	480 (12.12)	441 (9.29)
USA	3147089	0.76	3123066	495 (3.41)	470 (3.53)	464 (5.14)	448 (7.32)	392 (12.12)
TOT	.	1.35	.	505 (1.36)	496 (1.36)	479 (1.72)	474 (2.35)	376 (4.17)
AVG	.	1.28	.	517 (0.64)	503 (0.79)	486 (1.06)	485 (1.38)	400 (2.78)
HKG	72484	0.21	72334	572 (4.12)	549 (7.24)	541 (4.03)	530 (6.21)	. (.)
IDN	1971476	0.02	1971117	368 (3.70)	364 (3.68)	362 (4.76)	350 (9.43)	303 (5.94)
LVA	33643	0.22	33570	491 (4.43)	478 (4.52)	478 (6.34)	481 (11.39)	402 (15.11)
LIE	338	.	338	529 (5.51)	539 (9.96)	. (.)	. (.)	. (.)
MAC	6546	0.10	6540	549 (7.09)	545 (4.84)	524 (4.24)	508 (8.74)	. (.)
RUS	2153373	0.02	2152991	488 (4.24)	478 (5.37)	477 (5.80)	468 (9.91)	368 (9.32)
YUG	68596	0.57	68202	398 (4.86)	430 (4.56)	429 (3.77)	436 (3.74)	344 (11.19)
THA	637076	.	637076	437 (4.54)	428 (3.52)	419 (2.76)	410 (5.89)	380 (17.57)
TUN	150875	0.07	150770	345 (2.77)	350 (3.04)	350 (2.95)	348 (5.54)	309 (4.93)
URY	33775	0.17	33717	385 (7.47)	408 (5.53)	417 (4.49)	441 (4.26)	315 (6.89)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher helps students with their learning.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	47.87	(0.94)	35.30	(0.69)	12.70	(0.35)	2.15	(0.17)	1.97	(0.18)
AUT	85931	1.08	85003	16.24	(0.84)	27.84	(0.84)	32.84	(1.00)	20.85	(0.86)	2.24	(0.76)
BEL	111831	1.79	109825	28.83	(0.88)	34.31	(0.62)	25.25	(0.66)	6.85	(0.33)	4.76	(0.55)
CAN	330436	9.70	298375	51.55	(0.64)	32.87	(0.51)	11.31	(0.30)	1.99	(0.17)	2.28	(0.21)
CZE	121183	4.11	116203	24.98	(0.82)	33.53	(0.94)	29.86	(0.72)	10.07	(0.77)	1.57	(0.37)
DNK	51741	0.65	51406	42.69	(0.85)	39.93	(0.79)	13.52	(0.66)	1.53	(0.22)	2.34	(0.32)
FIN	57884	0.07	57845	48.07	(0.80)	37.33	(0.75)	11.12	(0.53)	2.26	(0.25)	1.23	(0.19)
FRA	734579	0.87	728167	29.32	(0.79)	35.35	(0.77)	23.41	(0.70)	9.26	(0.55)	2.67	(0.30)
DEU	884358	5.57	835070	24.01	(0.96)	33.45	(0.71)	28.76	(0.83)	10.99	(0.60)	2.79	(0.40)
GRC	105131	0.13	104991	35.89	(1.14)	35.38	(0.92)	20.38	(0.86)	5.20	(0.52)	3.15	(0.52)
HUN	107044	0.06	106984	33.14	(1.07)	37.55	(0.76)	20.71	(0.86)	7.12	(0.43)	1.48	(0.20)
ISL	3928	0.63	3903	59.94	(0.90)	28.20	(0.79)	8.04	(0.50)	2.36	(0.25)	1.45	(0.24)
IRL	54850	1.03	54285	42.90	(1.01)	31.15	(0.66)	17.87	(0.67)	6.23	(0.52)	1.86	(0.26)
ITA	481521	0.38	479699	32.70	(0.96)	36.13	(0.80)	22.56	(0.58)	7.08	(0.48)	1.53	(0.17)
JPN	1240054	0.10	1238855	21.15	(0.76)	51.23	(0.76)	21.00	(0.56)	5.50	(0.45)	1.12	(0.30)
KOR	533504	.	533504	32.58	(0.77)	45.58	(0.67)	19.22	(0.60)	2.14	(0.25)	0.48	(.)
LUX	4080	0.08	4077	15.72	(0.57)	31.15	(0.75)	32.75	(0.68)	16.65	(0.49)	3.73	(0.29)
MEX	1071650	0.37	1067674	42.64	(1.05)	29.26	(0.68)	18.10	(0.64)	2.15	(0.17)	7.84	(0.62)
NLD	184943	3.39	178678	17.86	(0.80)	29.58	(0.85)	32.08	(0.78)	17.19	(0.84)	3.28	(0.51)
NZL	48638	2.29	47525	45.80	(0.95)	37.55	(0.74)	13.91	(0.67)	2.11	(0.22)	0.62	(.)
NOR	52816	0.77	52407	37.32	(0.98)	40.52	(0.83)	14.69	(0.66)	3.93	(0.40)	3.54	(0.47)
POL	534900	.	534900	22.65	(0.87)	38.35	(0.77)	31.97	(0.82)	5.88	(0.44)	1.14	(0.18)
PRT	96857	0.25	96616	42.64	(1.08)	37.86	(0.87)	14.72	(0.79)	3.00	(0.31)	1.78	(0.29)
SVK	77067	0.03	77043	33.25	(1.07)	30.52	(0.84)	23.59	(0.82)	10.91	(0.52)	1.73	(0.50)
ESP	344372	0.07	344114	32.06	(0.81)	37.75	(0.75)	21.08	(0.59)	6.15	(0.45)	2.96	(0.33)
SWE	107104	0.23	106861	48.11	(0.92)	37.97	(0.83)	10.77	(0.56)	1.61	(0.20)	1.54	(0.24)
CHE	86491	0.14	86370	30.69	(0.67)	34.19	(0.73)	22.89	(0.67)	9.70	(0.46)	2.53	(0.25)
TUR	481279	0.03	481137	46.14	(1.38)	28.70	(0.82)	12.47	(0.69)	3.65	(0.43)	9.03	(1.11)
GBR	698579	3.61	673362	45.16	(0.99)	35.71	(0.74)	13.86	(0.53)	3.21	(0.32)	2.06	(0.23)
USA	3147089	0.76	3123066	50.68	(1.01)	31.07	(0.73)	12.85	(0.58)	2.52	(0.25)	2.88	(0.38)
TOT	.	1.35	.	37.86	(0.35)	35.48	(0.26)	18.72	(0.19)	4.94	(0.12)	3.00	(0.13)
AVG	.	1.29	.	36.07	(0.18)	35.20	(0.15)	19.81	(0.10)	6.33	(0.09)	2.59	(0.07)
HKG	72484	0.21	72334	29.64	(0.77)	44.20	(0.78)	23.20	(0.64)	2.58	(0.29)	0.37	(.)
IDN	1971476	0.02	1971117	50.03	(0.86)	26.91	(0.75)	15.18	(0.55)	2.92	(0.25)	4.96	(0.57)
LVA	33643	0.22	33570	46.09	(1.34)	35.25	(0.93)	14.75	(0.75)	2.54	(0.29)	1.37	(0.28)
LIE	338	.	338	28.62	(2.43)	32.88	(2.79)	22.59	(2.51)	13.81	(2.03)	2.10	(.)
MAC	6546	0.10	6540	23.97	(1.51)	43.21	(1.62)	29.18	(1.58)	2.20	(.)	1.44	(.)
RUS	2153373	0.02	2152991	41.07	(0.96)	36.87	(0.77)	16.71	(0.62)	2.63	(0.30)	2.73	(0.32)
YUG	68596	0.57	68202	25.52	(0.90)	24.55	(0.76)	30.77	(0.85)	11.79	(0.63)	7.36	(0.99)
THA	637076	.	637076	56.51	(1.04)	30.58	(0.78)	10.74	(0.57)	0.92	(0.16)	1.24	(0.18)
TUN	150875	0.07	150770	45.05	(0.87)	26.09	(0.63)	14.66	(0.51)	6.38	(0.45)	7.82	(0.48)
URY	33775	0.17	33717	46.47	(1.05)	28.88	(0.86)	14.16	(0.75)	3.58	(0.50)	6.91	(0.58)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher helps students with their learning.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	544 (2.24)	519 (2.91)	504 (3.84)	475 (11.56)	413 (8.26)
AUT	85931	1.08	85003	470 (5.40)	484 (5.12)	501 (4.70)	517 (4.58)	451 (25.46)
BEL	111831	1.79	109825	519 (3.59)	521 (3.04)	512 (3.49)	516 (5.99)	363 (16.81)
CAN	330436	9.70	298375	542 (1.76)	525 (2.23)	515 (3.51)	489 (6.37)	487 (8.33)
CZE	121183	4.11	116203	484 (3.76)	499 (3.24)	503 (3.60)	508 (6.49)	419 (23.60)
DNK	51741	0.65	51406	502 (2.96)	495 (2.93)	482 (5.00)	468 (11.30)	363 (14.36)
FIN	57884	0.07	57845	550 (2.11)	542 (2.14)	530 (3.90)	524 (10.38)	500 (17.59)
FRA	734579	0.87	728167	504 (4.20)	505 (3.28)	499 (3.91)	469 (7.15)	404 (12.46)
DEU	884358	5.57	835070	487 (4.89)	503 (3.93)	518 (3.74)	514 (5.63)	368 (12.21)
GRC	105131	0.13	104991	477 (4.64)	477 (4.67)	477 (5.30)	459 (9.85)	359 (14.94)
HUN	107044	0.06	106984	482 (4.01)	484 (3.30)	482 (4.07)	488 (6.50)	383 (16.00)
ISL	3928	0.63	3903	507 (1.96)	485 (3.51)	449 (6.53)	420 (13.24)	368 (20.13)
IRL	54850	1.03	54285	523 (3.16)	515 (3.41)	509 (3.61)	507 (7.19)	425 (15.36)
ITA	481521	0.38	479699	468 (3.74)	483 (3.58)	483 (4.46)	477 (5.57)	377 (16.44)
JPN	1240054	0.10	1238855	520 (5.02)	505 (4.14)	484 (5.54)	439 (12.88)	342 (26.56)
KOR	533504	.	533504	544 (3.79)	537 (2.96)	521 (3.95)	486 (11.17)	. (.)
LUX	4080	0.08	4077	451 (3.89)	484 (2.94)	495 (2.40)	491 (4.29)	374 (10.75)
MEX	1071650	0.37	1067674	410 (4.83)	414 (4.19)	396 (5.69)	399 (7.78)	303 (6.79)
NLD	184943	3.39	178678	511 (4.20)	513 (4.07)	525 (3.44)	524 (4.11)	487 (10.05)
NZL	48638	2.29	47525	538 (3.15)	519 (3.15)	505 (5.60)	489 (12.11)	. (.)
NOR	52816	0.77	52407	519 (3.39)	503 (3.07)	483 (5.13)	432 (9.05)	410 (13.86)
POL	534900	.	534900	491 (3.81)	503 (2.98)	497 (3.80)	495 (6.92)	369 (20.77)
PRT	96857	0.25	96616	482 (4.15)	479 (5.08)	471 (4.41)	460 (10.26)	431 (17.58)
SVK	77067	0.03	77043	451 (4.36)	474 (3.44)	485 (3.10)	494 (5.43)	379 (26.01)
ESP	344372	0.07	344114	487 (3.48)	484 (2.92)	482 (4.13)	464 (7.35)	390 (9.85)
SWE	107104	0.23	106861	526 (2.89)	512 (2.57)	490 (5.52)	481 (18.90)	406 (20.64)
CHE	86491	0.14	86370	494 (3.59)	500 (3.17)	510 (5.17)	509 (9.57)	418 (10.88)
TUR	481279	0.03	481137	454 (6.19)	447 (6.74)	428 (7.38)	428 (13.09)	378 (8.51)
GBR	698579	3.61	673362	523 (3.53)	501 (3.00)	491 (4.48)	453 (7.97)	412 (11.87)
USA	3147089	0.76	3123066	514 (2.86)	491 (4.09)	468 (5.07)	445 (10.43)	391 (13.33)
TOT	.	1.35	.	499 (1.38)	493 (1.37)	483 (1.48)	474 (2.53)	370 (4.45)
AVG	.	1.29	.	502 (0.77)	498 (0.75)	493 (0.96)	490 (1.41)	389 (3.24)
HKG	72484	0.21	72334	519 (3.69)	512 (3.96)	500 (4.41)	471 (10.36)	. (.)
IDN	1971476	0.02	1971117	390 (3.51)	383 (4.13)	378 (4.50)	354 (7.18)	312 (8.87)
LVA	33643	0.22	33570	497 (3.94)	490 (4.33)	483 (6.34)	468 (12.10)	410 (15.82)
LIE	338	.	338	508 (7.48)	524 (8.61)	532 (11.14)	557 (11.98)	. (.)
MAC	6546	0.10	6540	498 (4.59)	496 (3.61)	501 (3.80)	. (.)	. (.)
RUS	2153373	0.02	2152991	452 (4.06)	446 (4.39)	430 (4.75)	419 (10.20)	345 (7.98)
YUG	68596	0.57	68202	398 (3.96)	420 (4.43)	424 (4.04)	433 (5.28)	351 (13.55)
THA	637076	.	637076	428 (3.02)	412 (3.41)	406 (5.41)	387 (16.31)	375 (13.56)
TUN	150875	0.07	150770	379 (3.21)	381 (4.02)	379 (4.16)	381 (6.68)	315 (6.07)
URY	33775	0.17	33717	440 (4.54)	445 (4.71)	440 (5.93)	441 (12.64)	338 (7.48)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher helps students with their learning.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	540 (2.04)	520 (2.68)	503 (3.38)	479 (10.43)	431 (8.18)
AUT	85931	1.08	85003	486 (4.91)	506 (4.47)	513 (4.10)	521 (4.14)	456 (15.33)
BEL	111831	1.79	109825	539 (3.56)	543 (2.84)	536 (3.13)	538 (5.55)	393 (14.38)
CAN	330436	9.70	298375	545 (1.83)	532 (2.24)	522 (3.10)	502 (6.05)	496 (7.43)
CZE	121183	4.11	116203	508 (4.18)	529 (3.60)	528 (3.97)	528 (6.64)	451 (23.76)
DNK	51741	0.65	51406	520 (2.98)	519 (3.07)	507 (4.79)	491 (12.77)	412 (11.77)
FIN	57884	0.07	57845	548 (2.32)	545 (2.64)	533 (4.05)	525 (9.77)	518 (17.06)
FRA	734579	0.87	728167	518 (3.63)	521 (3.25)	511 (3.31)	483 (5.91)	421 (10.49)
DEU	884358	5.57	835070	495 (4.69)	515 (3.98)	526 (3.75)	520 (5.24)	406 (10.58)
GRC	105131	0.13	104991	444 (4.16)	451 (4.69)	448 (4.78)	441 (6.42)	373 (10.33)
HUN	107044	0.06	106984	487 (4.19)	495 (3.46)	490 (4.31)	495 (5.89)	401 (12.73)
ISL	3928	0.63	3903	525 (1.99)	514 (2.75)	475 (5.98)	467 (10.53)	432 (17.21)
IRL	54850	1.03	54285	506 (2.94)	507 (3.02)	496 (3.25)	502 (6.95)	414 (12.57)
ITA	481521	0.38	479699	453 (4.21)	474 (3.59)	475 (3.94)	471 (6.25)	378 (14.71)
JPN	1240054	0.10	1238855	548 (4.92)	542 (4.19)	522 (5.36)	480 (10.64)	428 (20.31)
KOR	533504	.	533504	550 (4.29)	546 (3.01)	527 (4.37)	493 (12.77)	. (.)
LUX	4080	0.08	4077	469 (3.31)	496 (2.55)	506 (2.43)	501 (3.04)	431 (8.24)
MEX	1071650	0.37	1067674	391 (4.39)	399 (3.88)	382 (4.11)	391 (6.61)	306 (6.07)
NLD	184943	3.39	178678	536 (4.98)	541 (4.36)	552 (3.45)	550 (4.31)	479 (9.45)
NZL	48638	2.29	47525	536 (2.93)	524 (2.99)	506 (4.64)	496 (12.50)	. (.)
NOR	52816	0.77	52407	509 (3.01)	500 (2.78)	482 (4.36)	442 (7.85)	414 (10.53)
POL	534900	.	534900	485 (3.79)	498 (2.81)	489 (3.37)	489 (6.61)	385 (15.43)
PRT	96857	0.25	96616	467 (3.77)	470 (4.63)	461 (4.52)	457 (8.17)	424 (13.25)
SVK	77067	0.03	77043	479 (4.28)	505 (3.63)	512 (3.35)	520 (5.92)	427 (24.41)
ESP	344372	0.07	344114	486 (3.09)	493 (2.97)	484 (3.49)	470 (5.75)	409 (8.96)
SWE	107104	0.23	106861	520 (3.46)	509 (2.93)	484 (5.11)	479 (19.29)	414 (18.63)
CHE	86491	0.14	86370	517 (3.81)	532 (3.17)	536 (5.38)	536 (10.09)	449 (11.91)
TUR	481279	0.03	481137	435 (7.46)	434 (7.87)	412 (8.88)	413 (11.66)	353 (8.05)
GBR	698579	3.61	673362	522 (3.46)	506 (2.97)	489 (4.46)	457 (7.88)	424 (10.58)
USA	3147089	0.76	3123066	496 (2.72)	482 (3.72)	461 (5.08)	438 (8.51)	405 (11.49)
TOT	.	1.35	.	492 (1.30)	499 (1.17)	487 (1.44)	483 (2.31)	382 (4.09)
AVG	.	1.29	.	503 (0.79)	506 (0.67)	500 (0.88)	501 (1.48)	403 (2.74)
HKG	72484	0.21	72334	564 (4.66)	552 (4.91)	537 (5.41)	511 (13.15)	. (.)
IDN	1971476	0.02	1971117	368 (4.21)	362 (4.79)	356 (4.58)	333 (6.20)	299 (6.89)
LVA	33643	0.22	33570	487 (3.88)	485 (4.26)	479 (6.10)	467 (11.58)	422 (16.44)
LIE	338	.	338	521 (9.00)	533 (9.64)	544 (10.34)	560 (14.16)	. (.)
MAC	6546	0.10	6540	529 (6.56)	525 (4.09)	531 (6.68)	. (.)	. (.)
RUS	2153373	0.02	2152991	475 (4.15)	474 (4.65)	456 (5.24)	453 (12.46)	384 (7.22)
YUG	68596	0.57	68202	421 (4.50)	450 (4.21)	449 (4.07)	456 (6.00)	372 (10.78)
THA	637076	.	637076	423 (3.26)	413 (3.77)	407 (5.20)	385 (20.14)	376 (12.87)
TUN	150875	0.07	150770	364 (3.13)	365 (3.19)	358 (3.73)	363 (6.16)	310 (5.36)
URY	33775	0.17	33717	422 (3.51)	437 (3.97)	434 (6.29)	429 (10.20)	335 (6.89)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher helps students with their learning.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	543 (2.21)	519 (2.69)	501 (3.96)	478 (11.82)	431 (7.66)
AUT	85931	1.08	85003	471 (5.65)	488 (4.79)	499 (3.94)	511 (4.32)	444 (19.31)
BEL	111831	1.79	109825	519 (3.48)	522 (2.71)	514 (3.41)	517 (5.79)	373 (14.18)
CAN	330436	9.70	298375	532 (1.98)	519 (2.48)	508 (3.59)	488 (7.42)	471 (8.90)
CZE	121183	4.11	116203	515 (4.23)	533 (3.36)	534 (3.91)	539 (7.26)	444 (27.60)
DNK	51741	0.65	51406	481 (3.29)	481 (3.05)	467 (6.25)	461 (13.12)	339 (13.53)
FIN	57884	0.07	57845	555 (2.65)	547 (2.43)	530 (4.50)	523 (10.19)	536 (19.06)
FRA	734579	0.87	728167	520 (4.55)	520 (3.98)	513 (4.12)	481 (7.67)	423 (15.00)
DEU	884358	5.57	835070	495 (5.21)	515 (4.15)	527 (4.03)	521 (5.81)	396 (11.93)
GRC	105131	0.13	104991	479 (4.38)	487 (4.35)	489 (4.94)	474 (8.07)	403 (11.89)
HUN	107044	0.06	106984	502 (4.12)	506 (3.31)	505 (4.12)	510 (6.44)	416 (13.67)
ISL	3928	0.63	3903	508 (2.14)	489 (3.24)	453 (7.28)	444 (11.23)	404 (19.01)
IRL	54850	1.03	54285	512 (3.32)	506 (3.48)	496 (3.78)	501 (7.65)	432 (13.80)
ITA	481521	0.38	479699	478 (4.51)	495 (3.66)	493 (4.48)	487 (6.70)	386 (16.16)
JPN	1240054	0.10	1238855	571 (5.42)	556 (4.42)	529 (5.66)	486 (11.93)	399 (23.52)
KOR	533504	.	533504	547 (4.52)	543 (3.58)	521 (4.77)	484 (13.15)	. (.)
LUX	4080	0.08	4077	458 (4.03)	487 (2.76)	496 (2.61)	491 (3.99)	401 (11.52)
MEX	1071650	0.37	1067674	411 (4.48)	417 (3.41)	400 (4.42)	410 (7.78)	336 (6.31)
NLD	184943	3.39	178678	520 (4.86)	525 (4.72)	538 (3.66)	537 (5.00)	466 (11.49)
NZL	48638	2.29	47525	533 (3.27)	520 (2.95)	504 (4.98)	495 (13.29)	. (.)
NOR	52816	0.77	52407	502 (3.42)	489 (3.27)	469 (4.49)	422 (8.15)	383 (11.46)
POL	534900	.	534900	491 (4.29)	505 (3.05)	496 (3.99)	501 (7.24)	424 (15.73)
PRT	96857	0.25	96616	469 (4.11)	471 (4.67)	466 (4.98)	454 (8.48)	415 (16.01)
SVK	77067	0.03	77043	479 (4.66)	500 (4.56)	509 (3.68)	516 (6.33)	404 (25.10)
ESP	344372	0.07	344114	491 (3.48)	493 (3.01)	488 (4.01)	475 (6.72)	401 (13.30)
SWE	107104	0.23	106861	516 (3.48)	505 (3.06)	483 (6.03)	481 (20.92)	414 (22.65)
CHE	86491	0.14	86370	504 (4.27)	517 (3.40)	523 (5.92)	524 (11.86)	442 (11.05)
TUR	481279	0.03	481137	446 (6.61)	441 (7.09)	418 (7.36)	424 (11.26)	378 (7.19)
GBR	698579	3.61	673362	535 (3.67)	515 (3.20)	501 (4.83)	464 (8.61)	414 (11.35)
USA	3147089	0.76	3123066	507 (2.89)	488 (3.99)	468 (5.18)	453 (9.15)	395 (14.32)
TOT	.	1.35	.	501 (1.35)	505 (1.24)	492 (1.47)	487 (2.51)	387 (4.22)
AVG	.	1.29	.	504 (0.78)	505 (0.71)	499 (0.93)	499 (1.49)	401 (2.74)
HKG	72484	0.21	72334	551 (4.22)	541 (4.55)	529 (5.09)	500 (12.03)	. (.)
IDN	1971476	0.02	1971117	402 (3.46)	396 (3.91)	391 (4.61)	372 (6.83)	348 (6.19)
LVA	33643	0.22	33570	496 (4.30)	490 (4.43)	476 (6.08)	469 (12.72)	416 (16.82)
LIE	338	.	338	512 (9.10)	521 (9.72)	534 (13.07)	550 (12.88)	. (.)
MAC	6546	0.10	6540	527 (6.23)	524 (4.54)	525 (5.58)	. (.)	. (.)
RUS	2153373	0.02	2152991	496 (4.09)	496 (5.04)	476 (5.37)	471 (11.25)	399 (7.80)
YUG	68596	0.57	68202	422 (4.00)	444 (4.39)	444 (3.83)	457 (5.68)	397 (12.76)
THA	637076	.	637076	434 (2.99)	425 (3.17)	422 (5.53)	400 (17.60)	404 (13.70)
TUN	150875	0.07	150770	393 (3.00)	389 (3.38)	385 (3.90)	385 (6.72)	321 (6.30)
URY	33775	0.17	33717	439 (3.72)	454 (3.74)	446 (5.76)	442 (10.93)	357 (5.97)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher helps students with their learning.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	545 (1.86)	524 (2.67)	509 (3.43)	490 (10.19)	443 (8.40)
AUT	85931	1.08	85003	491 (5.15)	506 (4.33)	513 (3.85)	520 (3.92)	453 (15.00)
BEL	111831	1.79	109825	534 (3.48)	538 (2.75)	530 (3.12)	530 (5.50)	406 (10.02)
CAN	330436	9.70	298375	544 (1.86)	529 (2.29)	516 (3.21)	493 (7.96)	496 (7.60)
CZE	121183	4.11	116203	510 (4.19)	528 (3.28)	529 (3.88)	530 (6.82)	449 (26.55)
DNK	51741	0.65	51406	525 (2.68)	519 (2.70)	507 (4.40)	479 (11.76)	411 (13.47)
FIN	57884	0.07	57845	553 (2.23)	547 (2.49)	534 (4.33)	526 (10.57)	530 (15.84)
FRA	734579	0.87	728167	526 (3.92)	529 (3.42)	522 (3.44)	491 (6.00)	431 (12.31)
DEU	884358	5.57	835070	502 (4.75)	522 (3.78)	535 (3.58)	531 (4.94)	415 (12.01)
GRC	105131	0.13	104991	446 (4.50)	454 (4.85)	456 (5.50)	447 (8.22)	377 (11.92)
HUN	107044	0.06	106984	499 (4.44)	505 (3.58)	501 (4.23)	508 (5.59)	428 (13.59)
ISL	3928	0.63	3903	515 (2.11)	503 (2.67)	469 (5.98)	456 (10.33)	413 (17.56)
IRL	54850	1.03	54285	504 (2.84)	502 (2.80)	490 (3.21)	491 (6.67)	406 (12.38)
ITA	481521	0.38	479699	462 (4.05)	479 (3.62)	476 (4.32)	470 (5.96)	355 (16.46)
JPN	1240054	0.10	1238855	561 (5.31)	555 (4.31)	535 (5.49)	494 (11.08)	435 (28.60)
KOR	533504	.	533504	557 (4.01)	554 (2.98)	538 (4.05)	502 (11.95)	. (.)
LUX	4080	0.08	4077	471 (3.27)	498 (2.76)	505 (2.10)	498 (3.71)	433 (8.97)
MEX	1071650	0.37	1067674	391 (5.26)	400 (4.58)	380 (4.79)	382 (10.16)	299 (7.10)
NLD	184943	3.39	178678	517 (4.82)	522 (4.32)	532 (3.52)	528 (4.44)	453 (10.98)
NZL	48638	2.29	47525	544 (2.73)	533 (2.85)	518 (4.87)	507 (11.79)	. (.)
NOR	52816	0.77	52407	506 (3.58)	493 (2.95)	474 (4.85)	428 (8.50)	428 (11.85)
POL	534900	.	534900	482 (4.05)	495 (2.83)	484 (3.54)	485 (6.46)	376 (24.48)
PRT	96857	0.25	96616	473 (4.42)	474 (5.07)	463 (4.64)	455 (8.95)	417 (14.11)
SVK	77067	0.03	77043	472 (4.37)	499 (3.61)	506 (3.37)	511 (6.16)	427 (26.61)
ESP	344372	0.07	344114	486 (3.30)	488 (3.42)	482 (3.94)	463 (6.45)	410 (9.26)
SWE	107104	0.23	106861	519 (3.09)	507 (2.82)	486 (4.78)	477 (15.65)	433 (18.34)
CHE	86491	0.14	86370	513 (3.38)	525 (2.94)	532 (4.54)	530 (9.08)	429 (12.11)
TUR	481279	0.03	481137	420 (6.46)	416 (7.19)	396 (8.15)	396 (11.17)	338 (8.73)
GBR	698579	3.61	673362	524 (3.30)	507 (2.95)	494 (4.35)	458 (8.37)	437 (11.05)
USA	3147089	0.76	3123066	493 (2.97)	475 (3.80)	451 (5.24)	428 (9.62)	396 (12.55)
TOT	.	1.35	.	492 (1.36)	500 (1.26)	488 (1.53)	483 (2.36)	377 (4.49)
AVG	.	1.29	.	503 (0.82)	506 (0.70)	500 (0.87)	498 (1.41)	402 (2.84)
HKG	72484	0.21	72334	561 (4.19)	550 (4.67)	535 (5.24)	504 (12.61)	. (.)
IDN	1971476	0.02	1971117	368 (3.65)	364 (4.09)	359 (4.02)	337 (6.73)	304 (5.43)
LVA	33643	0.22	33570	489 (4.17)	483 (4.42)	472 (6.21)	461 (11.74)	409 (16.10)
LIE	338	.	338	513 (7.73)	530 (8.86)	540 (9.99)	550 (13.98)	. (.)
MAC	6546	0.10	6540	536 (5.61)	530 (4.11)	533 (6.48)	. (.)	. (.)
RUS	2153373	0.02	2152991	486 (4.53)	484 (5.36)	467 (5.40)	459 (12.21)	378 (9.41)
YUG	68596	0.57	68202	405 (4.06)	433 (3.89)	433 (4.02)	442 (5.64)	347 (11.27)
THA	637076	.	637076	431 (3.07)	421 (3.66)	412 (5.54)	399 (19.57)	389 (15.75)
TUN	150875	0.07	150770	348 (2.54)	350 (2.94)	345 (3.88)	343 (5.39)	309 (5.16)
URY	33775	0.17	33717	411 (3.96)	426 (4.66)	423 (6.07)	420 (10.27)	317 (8.19)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

There is noise and disorder.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	17.53	(0.49)	23.45	(0.53)	42.11	(0.67)	14.90	(0.53)	2.01	(0.20)
AUT	85931	1.08	85003	10.43	(0.75)	16.26	(0.66)	34.21	(0.96)	37.07	(1.07)	2.03	(0.76)
BEL	111831	1.79	109825	16.79	(0.66)	18.94	(0.53)	39.25	(0.64)	20.43	(0.74)	4.60	(0.53)
CAN	330436	9.70	298375	15.89	(0.47)	21.91	(0.44)	44.31	(0.62)	15.26	(0.43)	2.62	(0.19)
CZE	121183	4.11	116203	15.73	(1.00)	17.48	(0.74)	42.43	(0.96)	22.94	(1.18)	1.42	(0.36)
DNK	51741	0.65	51406	16.37	(0.76)	25.62	(0.83)	46.03	(0.98)	9.24	(0.72)	2.75	(0.32)
FIN	57884	0.07	57845	17.37	(0.72)	30.23	(0.80)	42.94	(0.97)	8.24	(0.55)	1.23	(0.18)
FRA	734579	0.87	728167	23.24	(0.83)	21.32	(0.65)	36.85	(0.93)	16.48	(0.73)	2.10	(0.25)
DEU	884358	5.57	835070	9.96	(0.70)	14.64	(0.65)	37.41	(0.95)	35.24	(1.08)	2.75	(0.38)
GRC	105131	0.13	104991	18.82	(1.09)	22.86	(0.62)	42.85	(1.11)	12.44	(0.78)	3.04	(0.50)
HUN	107044	0.06	106984	10.36	(0.58)	17.69	(0.68)	43.11	(0.89)	27.38	(1.12)	1.47	(0.19)
ISL	3928	0.63	3903	12.61	(0.58)	27.57	(0.75)	48.85	(0.86)	9.54	(0.43)	1.44	(0.21)
IRL	54850	1.03	54285	15.78	(0.81)	15.29	(0.69)	35.95	(0.85)	31.24	(1.03)	1.74	(0.29)
ITA	481521	0.38	479699	21.23	(0.87)	19.87	(0.63)	40.12	(0.95)	17.38	(0.82)	1.40	(0.18)
JPN	1240054	0.10	1238855	6.72	(0.56)	9.98	(0.58)	37.73	(1.19)	44.38	(1.63)	1.19	(0.28)
KOR	533504	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LUX	4080	0.08	4077	23.10	(0.61)	23.63	(0.67)	30.83	(0.66)	19.00	(0.54)	3.43	(0.27)
MEX	1071650	0.37	1067674	10.37	(0.50)	14.29	(0.52)	45.18	(0.83)	22.13	(0.61)	8.04	(0.66)
NLD	184943	3.39	178678	16.16	(0.95)	24.09	(0.94)	44.62	(1.12)	11.88	(0.88)	3.25	(0.46)
NZL	48638	2.29	47525	21.08	(0.72)	26.00	(0.64)	40.37	(0.84)	11.90	(0.57)	0.65	(.)
NOR	52816	0.77	52407	13.79	(0.65)	25.91	(0.85)	47.64	(1.00)	9.03	(0.60)	3.63	(0.48)
POL	534900	.	534900	11.10	(0.78)	15.47	(0.73)	45.55	(1.02)	26.60	(1.32)	1.27	(0.20)
PRT	96857	0.25	96616	13.04	(0.72)	21.42	(0.83)	47.04	(0.96)	16.80	(0.89)	1.71	(0.28)
SVK	77067	0.03	77043	14.73	(0.63)	18.95	(0.54)	42.37	(1.12)	22.41	(1.06)	1.54	(0.50)
ESP	344372	0.07	344114	14.09	(0.74)	20.04	(0.75)	42.11	(0.72)	21.00	(1.08)	2.77	(0.32)
SWE	107104	0.23	106861	12.89	(0.65)	22.45	(0.87)	50.15	(1.06)	12.96	(0.84)	1.55	(0.22)
CHE	86491	0.14	86370	12.57	(1.06)	19.21	(0.92)	40.43	(0.94)	25.12	(1.27)	2.67	(0.29)
TUR	481279	0.03	481137	13.88	(0.63)	16.31	(0.71)	44.72	(1.11)	17.20	(0.92)	7.88	(1.10)
GBR	698579	3.61	673362	19.54	(0.81)	21.55	(0.66)	39.45	(0.88)	17.47	(0.69)	1.99	(0.20)
USA	3147089	0.76	3123066	13.79	(0.47)	19.23	(0.66)	42.90	(0.83)	21.16	(0.71)	2.93	(0.43)
TOT	.	5.77	.	13.82	(0.20)	17.83	(0.24)	41.63	(0.32)	23.65	(0.33)	3.06	(0.15)
AVG	.	4.62	.	15.13	(0.15)	20.40	(0.14)	41.99	(0.19)	19.89	(0.20)	2.59	(0.08)
HKG	72484	0.21	72334	6.22	(0.50)	11.05	(0.54)	58.53	(0.93)	23.91	(1.03)	0.30	(.)
IDN	1971476	0.02	1971117	9.10	(0.50)	21.30	(0.74)	45.01	(0.82)	18.76	(0.74)	5.83	(0.57)
LVA	33643	0.22	33570	6.89	(0.62)	12.87	(0.76)	46.37	(1.09)	32.66	(1.63)	1.21	(0.22)
LIE	338	.	338	11.16	(1.65)	16.24	(1.94)	38.37	(2.75)	32.72	(2.15)	1.51	(.)
MAC	6546	0.10	6540	3.37	(0.52)	12.02	(1.05)	61.77	(1.64)	22.40	(1.49)	0.44	(.)
RUS	2153373	0.02	2152991	5.98	(0.48)	9.64	(0.64)	38.71	(1.16)	43.07	(1.56)	2.60	(0.34)
YUG	68596	0.59	68192	12.46	(0.72)	17.15	(0.62)	43.92	(0.88)	18.93	(0.74)	7.54	(1.01)
THA	637076	.	637076	7.26	(0.47)	19.07	(0.69)	55.52	(1.11)	16.77	(1.04)	1.38	(0.22)
TUN	150875	0.07	150770	17.46	(0.77)	16.81	(0.61)	30.89	(0.80)	28.18	(1.07)	6.66	(0.49)
URY	33775	0.17	33717	14.67	(0.82)	20.16	(0.96)	41.62	(0.97)	16.71	(0.76)	6.85	(0.61)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

There is noise and disorder.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	518 (2.77)	510 (3.90)	534 (2.32)	552 (3.64)	416 (8.69)
AUT	85931	1.08	85003	474 (7.47)	470 (5.24)	491 (4.11)	514 (4.28)	446 (30.43)
BEL	111831	1.79	109825	484 (4.82)	507 (3.38)	524 (2.78)	542 (3.86)	358 (17.54)
CAN	330436	9.70	298375	518 (2.40)	521 (2.73)	539 (1.73)	545 (2.74)	483 (7.75)
CZE	121183	4.11	116203	479 (4.96)	483 (4.44)	499 (2.94)	517 (4.33)	420 (22.86)
DNK	51741	0.65	51406	486 (3.79)	493 (3.75)	500 (3.01)	500 (6.07)	385 (14.55)
FIN	57884	0.07	57845	542 (3.58)	541 (2.62)	546 (2.04)	550 (5.08)	496 (16.90)
FRA	734579	0.87	728167	491 (4.34)	491 (4.85)	506 (3.35)	507 (4.47)	393 (13.65)
DEU	884358	5.57	835070	472 (6.63)	470 (6.42)	509 (4.16)	524 (3.24)	370 (12.58)
GRC	105131	0.13	104991	466 (4.50)	465 (5.21)	485 (4.02)	484 (7.00)	342 (14.59)
HUN	107044	0.06	106984	468 (5.64)	467 (4.60)	481 (2.95)	504 (3.93)	382 (16.33)
ISL	3928	0.63	3903	470 (5.84)	493 (3.15)	499 (2.29)	505 (6.05)	361 (17.93)
IRL	54850	1.03	54285	497 (4.48)	502 (4.89)	515 (3.34)	537 (3.40)	402 (17.90)
ITA	481521	0.38	479699	464 (4.35)	468 (5.15)	482 (3.14)	493 (3.82)	382 (19.40)
JPN	1240054	0.10	1238855	442 (8.05)	458 (7.18)	487 (4.76)	530 (3.96)	328 (25.08)
KOR	533504	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	470 (3.46)	477 (2.94)	494 (2.70)	492 (3.54)	364 (10.78)
MEX	1071650	0.37	1067674	390 (5.67)	396 (5.55)	411 (4.53)	418 (4.45)	308 (6.83)
NLD	184943	3.39	178678	504 (5.09)	515 (3.84)	523 (3.61)	525 (5.00)	488 (9.74)
NZL	48638	2.29	47525	517 (4.70)	513 (3.73)	533 (3.08)	538 (5.33)	. (.)
NOR	52816	0.77	52407	475 (6.06)	504 (4.31)	511 (3.13)	506 (6.67)	413 (13.30)
POL	534900	.	534900	499 (5.99)	492 (5.29)	493 (3.39)	511 (3.61)	367 (21.38)
PRT	96857	0.25	96616	461 (5.67)	464 (5.39)	483 (3.84)	500 (5.04)	426 (16.91)
SVK	77067	0.03	77043	457 (4.22)	465 (5.28)	473 (3.79)	481 (3.62)	365 (31.88)
ESP	344372	0.07	344114	461 (4.77)	468 (3.99)	488 (2.66)	504 (3.82)	386 (11.28)
SWE	107104	0.23	106861	507 (5.34)	512 (4.20)	519 (2.52)	523 (6.47)	400 (22.12)
CHE	86491	0.14	86370	482 (6.60)	483 (5.14)	503 (4.18)	523 (4.20)	421 (12.83)
TUR	481279	0.03	481137	420 (5.64)	431 (6.65)	451 (5.61)	472 (9.44)	373 (9.65)
GBR	698579	3.61	673362	487 (4.11)	488 (3.49)	515 (2.79)	541 (5.10)	416 (12.01)
USA	3147089	0.76	3123066	470 (4.63)	475 (4.08)	507 (3.19)	524 (4.88)	392 (13.22)
TOT	.	5.77	.	470 (1.74)	473 (1.71)	492 (1.49)	512 (1.40)	369 (4.30)
AVG	.	4.62	.	481 (0.87)	487 (0.92)	500 (0.76)	512 (0.84)	386 (3.01)
HKG	72484	0.21	72334	475 (7.15)	485 (7.92)	508 (3.03)	536 (3.65)	. (.)
IDN	1971476	0.02	1971117	371 (5.23)	384 (4.51)	397 (3.61)	370 (3.65)	311 (8.24)
LVA	33643	0.22	33570	476 (8.63)	476 (6.48)	489 (3.92)	504 (4.52)	417 (17.72)
LIE	338	.	338	504 (17.87)	505 (13.59)	515 (7.31)	556 (7.61)	. (.)
MAC	6546	0.10	6540	488 (12.25)	480 (6.05)	496 (2.80)	517 (5.44)	. (.)
RUS	2153373	0.02	2152991	421 (6.63)	425 (6.46)	440 (4.48)	457 (4.22)	348 (10.37)
YUG	68596	0.59	68192	399 (4.99)	416 (5.02)	417 (3.63)	431 (4.40)	350 (13.27)
THA	637076	.	637076	399 (4.68)	399 (4.71)	425 (2.89)	439 (4.64)	371 (15.47)
TUN	150875	0.07	150770	373 (4.87)	369 (5.55)	389 (3.47)	380 (4.37)	304 (7.14)
URY	33775	0.17	33717	424 (6.29)	425 (6.48)	451 (4.29)	456 (6.35)	331 (8.13)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
There is noise and disorder.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	509 (2.68)	508 (3.43)	534 (2.17)	556 (3.68)	431 (7.87)
AUT	85931	1.08	85003	491 (5.93)	486 (4.89)	505 (3.67)	526 (4.07)	450 (18.54)
BEL	111831	1.79	109825	503 (4.20)	530 (2.99)	546 (2.54)	567 (4.00)	392 (15.35)
CAN	330436	9.70	298375	520 (2.68)	527 (2.60)	543 (1.84)	553 (3.00)	496 (7.16)
CZE	121183	4.11	116203	509 (5.36)	508 (4.33)	525 (3.47)	543 (4.76)	452 (23.65)
DNK	51741	0.65	51406	509 (3.98)	513 (3.60)	520 (3.12)	526 (6.01)	429 (11.72)
FIN	57884	0.07	57845	540 (3.43)	540 (2.76)	548 (2.15)	554 (4.44)	514 (17.04)
FRA	734579	0.87	728167	504 (3.64)	509 (4.46)	519 (3.32)	522 (4.64)	418 (12.69)
DEU	884358	5.57	835070	488 (6.27)	486 (6.60)	517 (3.92)	530 (3.38)	411 (11.51)
GRC	105131	0.13	104991	438 (3.78)	440 (4.13)	453 (4.28)	458 (6.65)	363 (10.56)
HUN	107044	0.06	106984	469 (5.56)	475 (4.35)	488 (3.16)	516 (4.34)	397 (14.69)
ISL	3928	0.63	3903	499 (4.70)	515 (2.99)	521 (1.90)	522 (5.27)	425 (14.70)
IRL	54850	1.03	54285	485 (4.73)	490 (4.67)	504 (3.18)	523 (3.07)	395 (12.54)
ITA	481521	0.38	479699	457 (3.93)	465 (4.86)	468 (3.59)	479 (4.24)	376 (14.74)
JPN	1240054	0.10	1238855	477 (8.09)	496 (7.40)	525 (5.20)	563 (4.10)	414 (19.41)
KOR	533504	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	480 (2.87)	490 (2.58)	504 (2.46)	509 (3.18)	426 (7.66)
MEX	1071650	0.37	1067674	375 (4.55)	383 (4.78)	395 (4.28)	400 (3.88)	310 (5.65)
NLD	184943	3.39	178678	531 (5.38)	543 (4.25)	551 (3.57)	549 (5.37)	478 (9.60)
NZL	48638	2.29	47525	513 (3.65)	519 (3.51)	534 (2.77)	539 (4.99)	. (.)
NOR	52816	0.77	52407	477 (4.72)	501 (3.77)	503 (2.83)	501 (4.95)	415 (9.66)
POL	534900	.	534900	489 (5.48)	485 (4.68)	487 (2.99)	505 (3.50)	390 (15.73)
PRT	96857	0.25	96616	447 (5.28)	455 (4.78)	471 (3.43)	486 (4.92)	419 (13.23)
SVK	77067	0.03	77043	485 (4.58)	496 (5.16)	501 (3.42)	509 (4.24)	412 (29.49)
ESP	344372	0.07	344114	468 (4.82)	475 (3.48)	492 (2.49)	502 (3.95)	413 (9.90)
SWE	107104	0.23	106861	496 (4.83)	507 (3.80)	513 (2.56)	523 (7.38)	410 (19.36)
CHE	86491	0.14	86370	515 (6.96)	511 (5.46)	530 (3.55)	546 (4.72)	452 (11.41)
TUR	481279	0.03	481137	391 (6.13)	413 (7.99)	436 (6.41)	462 (11.63)	348 (9.20)
GBR	698579	3.61	673362	483 (4.29)	490 (3.48)	517 (2.79)	546 (4.75)	426 (10.10)
USA	3147089	0.76	3123066	458 (4.36)	464 (3.68)	493 (3.10)	508 (4.17)	405 (11.72)
TOT	.	5.77	.	468 (1.65)	474 (1.61)	491 (1.32)	515 (1.32)	381 (3.95)
AVG	.	4.62	.	485 (0.87)	494 (0.97)	504 (0.75)	519 (0.88)	402 (2.61)
HKG	72484	0.21	72334	517 (8.83)	524 (9.61)	548 (3.85)	580 (4.58)	. (.)
IDN	1971476	0.02	1971117	347 (5.08)	359 (5.37)	377 (4.34)	349 (4.15)	294 (6.33)
LVA	33643	0.22	33570	473 (10.40)	471 (6.29)	480 (3.75)	498 (4.78)	419 (14.81)
LIE	338	.	338	508 (18.19)	518 (14.52)	521 (7.71)	570 (8.27)	. (.)
MAC	6546	0.10	6540	513 (14.63)	516 (8.41)	519 (3.66)	560 (7.14)	. (.)
RUS	2153373	0.02	2152991	442 (6.71)	454 (5.68)	461 (4.84)	486 (4.59)	389 (9.23)
YUG	68596	0.59	68192	422 (5.13)	439 (4.56)	443 (3.81)	459 (4.57)	371 (10.84)
THA	637076	.	637076	395 (5.08)	399 (4.11)	421 (3.20)	436 (4.95)	370 (11.08)
TUN	150875	0.07	150770	359 (3.88)	357 (4.44)	367 (3.10)	363 (4.31)	305 (5.27)
URY	33775	0.17	33717	412 (5.45)	418 (5.09)	437 (3.88)	439 (5.71)	331 (6.50)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
There is noise and disorder.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	511 (3.06)	507 (3.76)	535 (2.46)	558 (3.66)	431 (7.20)
AUT	85931	1.08	85003	474 (6.23)	471 (5.00)	490 (3.87)	513 (4.07)	440 (22.46)
BEL	111831	1.79	109825	484 (4.38)	509 (3.46)	524 (2.55)	545 (4.19)	369 (14.61)
CAN	330436	9.70	298375	506 (2.86)	512 (2.98)	530 (2.24)	542 (3.45)	471 (9.28)
CZE	121183	4.11	116203	514 (5.45)	517 (4.67)	530 (3.29)	548 (4.83)	444 (27.38)
DNK	51741	0.65	51406	473 (4.52)	477 (3.90)	482 (3.78)	481 (7.81)	359 (14.09)
FIN	57884	0.07	57845	545 (3.73)	546 (3.01)	551 (2.30)	555 (6.23)	531 (18.28)
FRA	734579	0.87	728167	504 (4.43)	507 (6.02)	520 (3.76)	524 (5.72)	419 (17.56)
DEU	884358	5.57	835070	485 (6.50)	485 (6.78)	518 (4.38)	531 (3.52)	398 (13.16)
GRC	105131	0.13	104991	473 (5.17)	477 (4.42)	490 (4.02)	492 (7.17)	391 (12.08)
HUN	107044	0.06	106984	489 (6.11)	491 (4.61)	501 (3.05)	526 (4.29)	410 (15.31)
ISL	3928	0.63	3903	484 (5.49)	496 (3.34)	499 (2.24)	501 (5.63)	405 (17.16)
IRL	54850	1.03	54285	488 (5.02)	492 (5.57)	505 (3.48)	525 (3.59)	416 (14.87)
ITA	481521	0.38	479699	476 (4.75)	481 (4.85)	490 (3.82)	506 (4.02)	384 (17.46)
JPN	1240054	0.10	1238855	490 (8.85)	506 (7.57)	537 (5.21)	580 (4.25)	389 (20.46)
KOR	533504	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	471 (3.33)	478 (3.72)	494 (2.77)	500 (3.66)	394 (10.13)
MEX	1071650	0.37	1067674	396 (4.51)	401 (4.65)	412 (4.26)	420 (4.20)	341 (6.84)
NLD	184943	3.39	178678	516 (5.84)	528 (4.45)	535 (3.99)	538 (6.35)	468 (11.62)
NZL	48638	2.29	47525	517 (4.01)	515 (3.56)	530 (3.05)	534 (5.02)	. (.)
NOR	52816	0.77	52407	467 (5.89)	491 (4.18)	493 (3.34)	490 (6.73)	382 (11.42)
POL	534900	.	534900	496 (6.16)	492 (5.80)	491 (3.37)	516 (4.05)	427 (15.58)
PRT	96857	0.25	96616	455 (5.71)	460 (5.17)	472 (3.55)	484 (5.26)	405 (14.36)
SVK	77067	0.03	77043	483 (5.00)	490 (6.74)	498 (3.74)	509 (4.41)	386 (28.59)
ESP	344372	0.07	344114	468 (4.68)	476 (4.38)	493 (2.71)	510 (3.99)	399 (14.61)
SWE	107104	0.23	106861	497 (5.18)	505 (4.91)	511 (2.89)	514 (7.92)	412 (23.92)
CHE	86491	0.14	86370	494 (7.51)	495 (5.47)	517 (4.23)	537 (4.67)	447 (11.76)
TUR	481279	0.03	481137	407 (5.67)	421 (6.56)	444 (5.89)	470 (10.21)	374 (7.70)
GBR	698579	3.61	673362	495 (4.39)	501 (3.93)	527 (3.08)	557 (5.24)	417 (11.34)
USA	3147089	0.76	3123066	468 (4.47)	473 (3.87)	501 (3.22)	519 (4.21)	395 (14.11)
TOT	.	5.77	.	476 (1.72)	480 (1.62)	498 (1.35)	525 (1.39)	386 (3.98)
AVG	.	4.62	.	486 (0.91)	492 (0.96)	503 (0.72)	521 (0.88)	399 (2.72)
HKG	72484	0.21	72334	508 (8.21)	517 (9.01)	537 (3.63)	567 (4.44)	. (.)
IDN	1971476	0.02	1971117	386 (4.64)	394 (4.31)	407 (3.61)	386 (3.71)	348 (6.29)
LVA	33643	0.22	33570	480 (10.12)	480 (6.28)	488 (3.89)	500 (4.74)	415 (17.51)
LIE	338	.	338	499 (15.73)	501 (15.88)	512 (8.44)	562 (8.70)	. (.)
MAC	6546	0.10	6540	508 (17.58)	507 (7.74)	519 (3.54)	555 (7.37)	. (.)
RUS	2153373	0.02	2152991	468 (8.41)	474 (7.22)	484 (4.83)	505 (4.53)	399 (10.47)
YUG	68596	0.59	68192	418 (5.38)	438 (5.22)	440 (3.64)	456 (4.45)	396 (12.62)
THA	637076	.	637076	412 (4.69)	412 (4.20)	433 (3.09)	445 (4.55)	400 (12.21)
TUN	150875	0.07	150770	386 (4.16)	380 (4.15)	395 (3.13)	392 (4.26)	314 (6.80)
URY	33775	0.17	33717	433 (5.49)	429 (5.14)	453 (3.57)	454 (6.10)	353 (7.07)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

There is noise and disorder.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	519 (2.52)	515 (3.31)	538 (2.07)	557 (3.33)	443 (8.86)
AUT	85931	1.08	85003	492 (5.65)	486 (4.86)	507 (3.48)	526 (3.93)	449 (17.93)
BEL	111831	1.79	109825	500 (4.41)	524 (2.90)	540 (2.42)	559 (3.78)	404 (10.71)
CAN	330436	9.70	298375	517 (2.55)	523 (2.47)	541 (1.90)	550 (2.73)	494 (7.36)
CZE	121183	4.11	116203	509 (5.07)	510 (4.41)	525 (3.27)	542 (4.80)	451 (26.97)
DNK	51741	0.65	51406	514 (3.57)	518 (3.57)	522 (2.75)	526 (6.14)	427 (12.72)
FIN	57884	0.07	57845	545 (3.56)	546 (2.91)	550 (2.14)	553 (4.29)	525 (16.08)
FRA	734579	0.87	728167	511 (3.69)	516 (4.54)	530 (3.56)	531 (4.49)	422 (14.51)
DEU	884358	5.57	835070	495 (6.09)	494 (6.14)	524 (3.91)	538 (3.20)	419 (12.33)
GRC	105131	0.13	104991	437 (4.79)	442 (4.89)	459 (4.17)	462 (6.73)	366 (12.80)
HUN	107044	0.06	106984	478 (5.70)	485 (4.58)	499 (3.20)	528 (4.51)	426 (13.60)
ISL	3928	0.63	3903	488 (4.69)	505 (2.95)	511 (1.86)	513 (5.03)	411 (15.74)
IRL	54850	1.03	54285	484 (4.37)	489 (4.41)	499 (3.10)	515 (2.83)	388 (11.53)
ITA	481521	0.38	479699	459 (4.10)	466 (5.23)	474 (3.43)	486 (4.23)	361 (18.89)
JPN	1240054	0.10	1238855	492 (8.34)	507 (7.52)	538 (5.15)	576 (4.13)	418 (27.81)
KOR	533504	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LUX	4080	0.08	4077	480 (3.04)	491 (3.03)	505 (2.45)	508 (3.41)	428 (8.40)
MEX	1071650	0.37	1067674	375 (5.36)	382 (6.29)	394 (4.91)	400 (4.77)	302 (6.69)
NLD	184943	3.39	178678	510 (5.28)	522 (4.30)	531 (3.60)	532 (5.32)	454 (11.08)
NZL	48638	2.29	47525	526 (3.98)	527 (3.46)	543 (2.81)	545 (5.24)	. (.)
NOR	52816	0.77	52407	466 (5.37)	495 (4.47)	499 (3.11)	495 (5.89)	429 (10.89)
POL	534900	.	534900	486 (5.62)	481 (5.04)	484 (3.05)	501 (3.53)	376 (23.60)
PRT	96857	0.25	96616	452 (6.28)	459 (5.37)	476 (3.89)	489 (5.10)	412 (14.43)
SVK	77067	0.03	77043	477 (4.49)	491 (5.26)	494 (3.40)	502 (4.30)	416 (32.38)
ESP	344372	0.07	344114	461 (5.31)	470 (3.60)	489 (2.81)	504 (4.46)	413 (10.18)
SWE	107104	0.23	106861	496 (5.40)	506 (3.86)	513 (2.72)	522 (6.01)	430 (17.87)
CHE	86491	0.14	86370	512 (5.69)	509 (4.86)	525 (3.56)	539 (4.95)	435 (11.67)
TUR	481279	0.03	481137	381 (5.93)	398 (7.17)	419 (5.48)	441 (10.33)	335 (10.11)
GBR	698579	3.61	673362	486 (4.05)	492 (3.53)	519 (2.76)	546 (4.50)	440 (10.04)
USA	3147089	0.76	3123066	451 (4.29)	458 (3.98)	488 (3.29)	504 (4.26)	395 (12.92)
TOT	.	5.77	.	468 (1.62)	473 (1.67)	491 (1.43)	517 (1.38)	376 (4.42)
AVG	.	4.62	.	485 (0.94)	493 (0.97)	504 (0.75)	519 (0.87)	401 (2.79)
HKG	72484	0.21	72334	518 (8.82)	525 (9.59)	545 (3.52)	576 (4.04)	. (.)
IDN	1971476	0.02	1971117	350 (4.87)	363 (4.50)	375 (3.63)	351 (3.35)	302 (5.52)
LVA	33643	0.22	33570	469 (9.06)	465 (6.36)	479 (4.18)	500 (4.90)	413 (18.99)
LIE	338	.	338	508 (15.55)	512 (13.65)	515 (8.18)	563 (7.89)	. (.)
MAC	6546	0.10	6540	519 (12.93)	512 (7.80)	527 (3.51)	562 (6.09)	. (.)
RUS	2153373	0.02	2152991	450 (7.89)	463 (5.95)	474 (5.23)	496 (4.81)	382 (10.94)
YUG	68596	0.59	68192	407 (4.88)	425 (4.57)	426 (3.42)	442 (4.26)	346 (11.07)
THA	637076	.	637076	406 (5.76)	408 (4.17)	429 (2.87)	442 (4.65)	383 (14.76)
TUN	150875	0.07	150770	346 (3.62)	345 (4.27)	352 (2.79)	346 (3.53)	302 (5.61)
URY	33775	0.17	33717	401 (5.88)	405 (5.84)	426 (4.62)	428 (6.09)	311 (7.83)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher continues teaching until the students understand.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	33.37	(0.74)	37.04	(0.50)	20.77	(0.56)	6.92	(0.31)	1.91	(0.18)
AUT	85931	1.08	85003	21.16	(0.90)	28.30	(0.89)	28.46	(0.80)	19.82	(0.97)	2.27	(0.76)
BEL	111831	1.79	109825	28.41	(0.82)	32.28	(0.54)	24.81	(0.71)	9.96	(0.46)	4.55	(0.54)
CAN	330436	9.70	298375	34.15	(0.61)	35.30	(0.50)	20.69	(0.44)	7.34	(0.30)	2.52	(0.20)
CZE	121183	4.11	116203	17.03	(0.72)	33.32	(0.81)	31.59	(0.80)	16.38	(0.89)	1.68	(0.38)
DNK	51741	0.65	51406	31.22	(1.12)	39.51	(0.95)	22.10	(0.80)	4.70	(0.36)	2.48	(0.30)
FIN	57884	0.07	57845	20.16	(0.64)	40.08	(0.64)	29.01	(0.57)	9.42	(0.48)	1.32	(0.20)
FRA	734579	0.87	728167	29.00	(0.76)	31.74	(0.83)	24.77	(0.82)	12.10	(0.67)	2.38	(0.30)
DEU	884358	5.57	835070	22.40	(0.94)	30.11	(0.81)	27.84	(0.80)	16.91	(0.78)	2.74	(0.40)
GRC	105131	0.13	104991	23.20	(0.74)	33.62	(0.79)	29.05	(0.75)	11.09	(0.77)	3.03	(0.52)
HUN	107044	0.06	106984	23.55	(0.98)	30.46	(0.72)	28.29	(0.88)	16.04	(0.83)	1.67	(0.21)
ISL	3928	0.63	3903	36.90	(0.91)	39.78	(0.83)	15.96	(0.72)	5.87	(0.39)	1.48	(0.23)
IRL	54850	1.03	54285	37.55	(1.07)	29.43	(0.79)	19.38	(0.67)	11.96	(0.61)	1.67	(0.29)
ITA	481521	0.38	479699	28.64	(0.89)	31.62	(0.60)	24.60	(0.60)	13.86	(0.61)	1.29	(0.16)
JPN	1240054	0.10	1238855	12.91	(0.58)	36.24	(0.82)	31.05	(0.71)	18.44	(0.80)	1.37	(0.30)
KOR	533504	.	533504	10.42	(0.43)	28.91	(0.69)	45.65	(0.79)	14.57	(0.63)	0.45	(.)
LUX	4080	0.08	4077	24.45	(0.60)	30.60	(0.76)	25.41	(0.61)	15.92	(0.48)	3.63	(0.29)
MEX	1071650	0.37	1067674	38.00	(1.10)	26.28	(0.64)	22.74	(0.68)	5.19	(0.36)	7.79	(0.65)
NLD	184943	3.39	178678	22.77	(0.83)	35.61	(0.85)	27.37	(0.88)	10.84	(0.65)	3.41	(0.50)
NZL	48638	2.31	47514	29.15	(0.82)	38.23	(0.82)	23.38	(0.74)	8.52	(0.52)	0.73	(0.11)
NOR	52816	0.77	52407	20.52	(0.73)	37.57	(0.84)	26.10	(0.78)	12.03	(0.63)	3.77	(0.46)
POL	534900	.	534900	21.78	(0.97)	32.25	(0.81)	32.00	(0.87)	12.59	(0.65)	1.38	(0.25)
PRT	96857	0.25	96616	34.74	(0.95)	35.12	(0.88)	21.58	(0.75)	6.67	(0.53)	1.88	(0.29)
SVK	77067	0.03	77043	23.77	(0.85)	27.56	(0.77)	31.94	(0.78)	14.90	(0.85)	1.83	(0.51)
ESP	344372	0.07	344114	26.82	(0.89)	36.02	(0.86)	25.37	(0.72)	8.92	(0.64)	2.88	(0.34)
SWE	107104	0.23	106861	32.57	(0.79)	37.36	(0.68)	21.81	(0.74)	7.00	(0.47)	1.27	(0.22)
CHE	86491	0.14	86370	24.76	(1.14)	34.04	(0.88)	26.62	(1.00)	11.76	(0.56)	2.81	(0.26)
TUR	481279	0.03	481137	32.53	(1.37)	29.52	(0.87)	22.69	(1.02)	6.48	(0.51)	8.79	(1.18)
GBR	698579	3.61	673362	35.67	(0.97)	35.95	(0.69)	18.69	(0.65)	7.88	(0.48)	1.81	(0.19)
USA	3147089	0.76	3123066	36.05	(0.97)	33.37	(0.71)	20.58	(0.69)	7.22	(0.40)	2.78	(0.34)
TOT	.	1.35	.	28.63	(0.32)	32.63	(0.25)	25.21	(0.25)	10.57	(0.18)	2.95	(0.13)
AVG	.	1.29	.	27.11	(0.16)	33.57	(0.14)	25.70	(0.14)	11.04	(0.12)	2.59	(0.07)
HKG	72484	0.21	72334	26.63	(0.88)	41.53	(0.76)	26.94	(0.80)	4.47	(0.40)	0.43	(.)
IDN	1971476	0.02	1971117	43.75	(0.87)	30.28	(0.80)	18.77	(0.69)	2.08	(0.22)	5.12	(0.54)
LVA	33643	0.22	33570	23.21	(1.00)	39.19	(0.84)	27.27	(0.77)	9.06	(0.73)	1.27	(0.20)
LIE	338	.	338	22.55	(2.13)	36.70	(2.59)	27.44	(2.45)	12.40	(1.80)	0.92	(.)
MAC	6546	0.10	6540	24.12	(1.29)	38.96	(1.74)	30.75	(1.59)	5.33	(0.79)	0.84	(.)
RUS	2153373	0.02	2152991	32.95	(1.08)	32.08	(0.66)	23.73	(0.70)	8.84	(0.51)	2.41	(0.29)
YUG	68596	0.59	68192	22.91	(0.83)	24.14	(0.71)	29.71	(0.84)	15.45	(0.86)	7.80	(0.99)
THA	637076	.	637076	48.46	(1.06)	33.10	(0.71)	15.34	(0.79)	1.87	(0.23)	1.22	(0.16)
TUN	150875	0.07	150770	39.58	(0.84)	24.36	(0.64)	18.97	(0.69)	8.46	(0.48)	8.62	(0.54)
URY	33775	0.17	33717	41.61	(1.08)	28.09	(0.94)	17.77	(0.74)	5.70	(0.49)	6.82	(0.54)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher continues teaching until the students understand.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	539 (2.53)	526 (2.46)	518 (3.04)	516 (6.04)	411 (8.71)
AUT	85931	1.08	85003	474 (5.80)	492 (4.53)	501 (4.29)	511 (4.95)	443 (25.76)
BEL	111831	1.79	109825	517 (3.58)	521 (3.14)	513 (3.74)	518 (5.15)	358 (16.98)
CAN	330436	9.70	298375	538 (2.23)	534 (1.93)	525 (2.14)	520 (3.67)	483 (7.52)
CZE	121183	4.11	116203	483 (4.70)	499 (3.32)	500 (3.50)	503 (4.16)	421 (20.57)
DNK	51741	0.65	51406	502 (3.61)	497 (3.34)	489 (3.91)	475 (8.88)	372 (14.10)
FIN	57884	0.07	57845	545 (3.20)	545 (2.33)	543 (2.31)	541 (4.78)	493 (15.21)
FRA	734579	0.87	728167	494 (4.23)	498 (4.05)	505 (4.11)	508 (5.34)	398 (13.15)
DEU	884358	5.57	835070	487 (4.65)	509 (3.95)	508 (4.07)	517 (5.10)	363 (13.14)
GRC	105131	0.13	104991	474 (5.12)	473 (4.80)	481 (4.81)	480 (6.26)	347 (14.83)
HUN	107044	0.06	106984	475 (5.00)	487 (3.82)	484 (3.82)	490 (3.65)	379 (16.83)
ISL	3928	0.63	3903	504 (2.88)	496 (2.64)	482 (4.21)	458 (7.38)	359 (17.18)
IRL	54850	1.03	54285	517 (3.39)	519 (3.17)	518 (4.18)	512 (4.55)	403 (18.19)
ITA	481521	0.38	479699	460 (4.78)	479 (3.58)	485 (4.08)	494 (3.71)	381 (16.47)
JPN	1240054	0.10	1238855	508 (6.37)	508 (4.35)	498 (4.68)	484 (5.61)	356 (22.34)
KOR	533504	.	533504	528 (4.90)	535 (3.94)	538 (2.91)	529 (4.41)	. (.)
LUX	4080	0.08	4077	464 (3.51)	487 (2.72)	491 (2.85)	491 (3.60)	387 (11.35)
MEX	1071650	0.37	1067674	410 (5.12)	408 (4.49)	406 (3.77)	407 (6.52)	303 (6.73)
NLD	184943	3.39	178678	523 (3.71)	519 (3.46)	513 (4.02)	523 (5.20)	484 (10.00)
NZL	48638	2.31	47514	525 (3.72)	527 (3.12)	522 (4.21)	527 (5.96)	395 (22.62)
NOR	52816	0.77	52407	515 (3.97)	509 (3.59)	498 (4.07)	480 (5.96)	417 (12.91)
POL	534900	.	534900	494 (4.53)	501 (3.80)	496 (3.50)	505 (4.29)	381 (25.20)
PRT	96857	0.25	96616	481 (4.25)	474 (4.71)	478 (5.09)	490 (7.31)	434 (16.07)
SVK	77067	0.03	77043	456 (4.33)	466 (3.83)	479 (3.68)	488 (4.45)	365 (27.71)
ESP	344372	0.07	344114	483 (3.66)	486 (3.31)	483 (3.83)	474 (6.72)	387 (11.46)
SWE	107104	0.23	106861	519 (3.36)	518 (3.16)	513 (4.33)	501 (6.19)	395 (24.16)
CHE	86491	0.14	86370	488 (3.85)	498 (4.06)	513 (4.41)	512 (5.55)	431 (13.95)
TUR	481279	0.03	481137	449 (6.22)	449 (7.22)	445 (6.85)	439 (8.29)	377 (8.60)
GBR	698579	3.61	673362	517 (3.59)	506 (3.08)	504 (4.01)	488 (6.04)	414 (12.21)
USA	3147089	0.76	3123066	507 (3.44)	499 (3.92)	492 (4.51)	477 (5.66)	389 (13.46)
TOT	.	1.35	.	490 (1.50)	495 (1.49)	492 (1.39)	491 (1.64)	369 (4.39)
AVG	.	1.29	.	495 (0.83)	500 (0.79)	499 (0.85)	499 (1.01)	388 (3.23)
HKG	72484	0.21	72334	520 (3.95)	514 (4.13)	498 (4.51)	491 (7.97)	. (.)
IDN	1971476	0.02	1971117	378 (2.92)	385 (4.17)	404 (4.51)	373 (9.89)	310 (7.77)
LVA	33643	0.22	33570	484 (6.26)	495 (3.70)	493 (4.13)	496 (6.97)	410 (15.70)
LIE	338	.	338	515 (10.13)	527 (7.77)	525 (9.59)	543 (16.01)	. (.)
MAC	6546	0.10	6540	502 (4.62)	498 (3.82)	498 (4.50)	488 (10.38)	. (.)
RUS	2153373	0.02	2152991	445 (4.39)	447 (4.90)	440 (4.58)	447 (7.27)	335 (11.42)
YUG	68596	0.59	68192	400 (4.36)	418 (4.24)	421 (3.65)	436 (5.22)	352 (11.97)
THA	637076	.	637076	424 (2.87)	416 (3.32)	418 (5.13)	434 (10.64)	385 (14.07)
TUN	150875	0.07	150770	372 (4.25)	383 (4.18)	389 (4.36)	382 (6.38)	322 (5.76)
URY	33775	0.17	33717	441 (3.98)	440 (4.42)	449 (6.06)	438 (10.61)	329 (7.71)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher continues teaching until the students understand.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	536 (2.49)	526 (2.25)	517 (3.07)	511 (5.49)	429 (8.37)
AUT	85931	1.08	85003	490 (5.54)	514 (3.95)	514 (4.06)	512 (3.80)	459 (12.55)
BEL	111831	1.79	109825	536 (3.47)	546 (2.75)	535 (3.54)	538 (4.50)	388 (14.62)
CAN	330436	9.70	298375	542 (2.29)	539 (2.07)	528 (2.47)	524 (3.65)	492 (7.19)
CZE	121183	4.11	116203	509 (4.70)	530 (3.62)	525 (3.83)	524 (4.13)	451 (21.26)
DNK	51741	0.65	51406	523 (3.72)	522 (3.05)	505 (3.96)	494 (8.63)	423 (12.73)
FIN	57884	0.07	57845	545 (3.41)	548 (2.26)	542 (2.73)	541 (4.87)	510 (15.77)
FRA	734579	0.87	728167	509 (4.31)	516 (3.46)	517 (3.70)	517 (4.68)	419 (11.24)
DEU	884358	5.57	835070	497 (4.67)	524 (3.78)	514 (4.04)	520 (5.13)	398 (11.62)
GRC	105131	0.13	104991	440 (4.89)	448 (4.42)	451 (4.31)	452 (5.26)	365 (9.85)
HUN	107044	0.06	106984	480 (5.21)	496 (4.00)	496 (4.07)	493 (4.08)	396 (13.50)
ISL	3928	0.63	3903	525 (2.53)	517 (2.39)	508 (3.80)	483 (5.46)	422 (14.48)
IRL	54850	1.03	54285	501 (3.43)	509 (2.91)	506 (4.05)	501 (4.25)	398 (12.64)
ITA	481521	0.38	479699	448 (4.64)	471 (3.15)	474 (4.27)	485 (4.31)	388 (12.50)
JPN	1240054	0.10	1238855	538 (5.86)	542 (4.89)	536 (4.76)	522 (5.25)	427 (18.09)
KOR	533504	.	533504	531 (5.60)	542 (4.27)	547 (2.90)	539 (4.58)	. (.)
LUX	4080	0.08	4077	478 (3.01)	502 (2.22)	498 (2.77)	503 (3.12)	444 (8.97)
MEX	1071650	0.37	1067674	393 (4.43)	393 (4.26)	389 (3.39)	393 (6.20)	306 (6.27)
NLD	184943	3.39	178678	549 (4.45)	547 (3.75)	541 (3.80)	545 (5.76)	475 (9.72)
NZL	48638	2.31	47514	523 (3.38)	533 (2.91)	520 (3.81)	524 (4.85)	417 (17.53)
NOR	52816	0.77	52407	509 (3.52)	505 (3.33)	493 (3.56)	474 (4.52)	420 (9.46)
POL	534900	.	534900	490 (4.27)	496 (3.23)	487 (3.00)	494 (4.45)	395 (18.37)
PRT	96857	0.25	96616	465 (3.95)	465 (4.36)	470 (4.77)	482 (6.20)	427 (12.63)
SVK	77067	0.03	77043	481 (4.35)	499 (4.01)	508 (3.89)	513 (4.21)	412 (26.94)
ESP	344372	0.07	344114	484 (3.57)	493 (2.89)	487 (3.39)	477 (4.81)	409 (9.95)
SWE	107104	0.23	106861	513 (3.61)	515 (2.80)	507 (4.47)	491 (5.66)	407 (19.21)
CHE	86491	0.14	86370	513 (3.91)	528 (3.87)	538 (5.47)	539 (5.52)	462 (12.32)
TUR	481279	0.03	481137	429 (7.47)	437 (8.27)	425 (8.05)	424 (9.11)	351 (8.30)
GBR	698579	3.61	673362	517 (3.49)	509 (2.72)	502 (4.05)	489 (5.45)	426 (11.55)
USA	3147089	0.76	3123066	491 (3.29)	488 (3.62)	479 (4.41)	467 (4.53)	402 (11.39)
TOT	.	1.35	.	485 (1.49)	498 (1.30)	495 (1.35)	497 (1.64)	381 (4.09)
AVG	.	1.29	.	497 (0.86)	508 (0.73)	504 (0.86)	504 (1.00)	404 (2.94)
HKG	72484	0.21	72334	563 (5.24)	556 (5.21)	536 (5.04)	528 (9.92)	. (.)
IDN	1971476	0.02	1971117	353 (3.31)	367 (4.77)	385 (6.08)	349 (9.21)	295 (6.60)
LVA	33643	0.22	33570	477 (6.13)	489 (4.10)	486 (4.00)	479 (6.74)	412 (12.64)
LIE	338	.	338	531 (11.51)	539 (9.18)	530 (9.62)	547 (13.16)	. (.)
MAC	6546	0.10	6540	529 (5.58)	528 (5.33)	527 (6.18)	527 (13.83)	. (.)
RUS	2153373	0.02	2152991	471 (4.70)	474 (5.08)	465 (4.89)	471 (6.32)	382 (10.68)
YUG	68596	0.59	68192	425 (4.52)	445 (4.43)	445 (3.60)	462 (5.73)	372 (9.84)
THA	637076	.	637076	419 (3.19)	414 (3.39)	418 (4.47)	438 (11.44)	378 (12.64)
TUN	150875	0.07	150770	357 (3.31)	365 (3.87)	371 (4.01)	363 (5.40)	318 (4.74)
URY	33775	0.17	33717	422 (3.42)	434 (4.43)	438 (5.22)	430 (8.64)	330 (6.71)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher continues teaching until the students understand.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	539 (2.60)	526 (2.44)	516 (3.19)	513 (6.08)	428 (7.77)
AUT	85931	1.08	85003	473 (5.71)	497 (4.29)	498 (4.44)	505 (4.05)	444 (15.90)
BEL	111831	1.79	109825	516 (3.66)	523 (2.94)	514 (3.56)	520 (4.78)	368 (14.13)
CAN	330436	9.70	298375	527 (2.58)	527 (2.26)	516 (2.62)	512 (4.09)	473 (8.19)
CZE	121183	4.11	116203	516 (5.45)	534 (3.24)	531 (3.95)	532 (4.64)	447 (23.79)
DNK	51741	0.65	51406	482 (4.01)	484 (3.35)	469 (4.13)	461 (10.23)	348 (13.30)
FIN	57884	0.07	57845	553 (4.03)	552 (2.41)	544 (2.52)	541 (4.93)	529 (16.43)
FRA	734579	0.87	728167	506 (5.05)	514 (4.10)	521 (4.84)	524 (5.99)	420 (15.06)
DEU	884358	5.57	835070	497 (5.08)	523 (3.95)	516 (4.48)	521 (5.42)	389 (12.85)
GRC	105131	0.13	104991	476 (5.39)	482 (4.18)	491 (4.43)	489 (6.27)	390 (11.90)
HUN	107044	0.06	106984	495 (5.29)	508 (3.85)	506 (4.40)	510 (3.87)	414 (14.16)
ISL	3928	0.63	3903	507 (2.61)	496 (2.62)	485 (4.37)	466 (6.80)	395 (14.85)
IRL	54850	1.03	54285	505 (3.67)	510 (3.37)	506 (4.49)	503 (5.10)	422 (13.34)
ITA	481521	0.38	479699	471 (5.07)	491 (3.67)	495 (4.45)	504 (4.33)	396 (16.06)
JPN	1240054	0.10	1238855	560 (6.49)	559 (4.80)	547 (5.11)	529 (5.79)	417 (18.46)
KOR	533504	.	533504	528 (6.17)	538 (4.71)	543 (3.44)	536 (5.06)	. (.)
LUX	4080	0.08	4077	467 (3.31)	492 (2.70)	490 (3.19)	493 (3.76)	412 (11.57)
MEX	1071650	0.37	1067674	412 (4.35)	412 (4.03)	407 (3.24)	412 (6.36)	337 (7.15)
NLD	184943	3.39	178678	533 (4.78)	533 (3.99)	524 (4.35)	534 (6.45)	467 (11.92)
NZL	48638	2.31	47514	521 (3.63)	528 (3.17)	520 (4.16)	525 (5.08)	401 (19.69)
NOR	52816	0.77	52407	499 (3.96)	495 (3.84)	482 (4.20)	463 (5.48)	389 (11.20)
POL	534900	.	534900	494 (4.82)	504 (3.81)	495 (3.89)	504 (5.92)	430 (18.12)
PRT	96857	0.25	96616	467 (3.98)	466 (4.30)	473 (5.31)	487 (6.90)	412 (13.76)
SVK	77067	0.03	77043	481 (4.81)	493 (5.56)	506 (4.05)	511 (4.73)	392 (23.61)
ESP	344372	0.07	344114	488 (3.88)	494 (3.26)	487 (3.67)	485 (6.21)	400 (13.56)
SWE	107104	0.23	106861	509 (3.73)	510 (3.14)	506 (5.11)	491 (6.81)	406 (24.41)
CHE	86491	0.14	86370	497 (4.30)	515 (4.01)	526 (5.63)	524 (7.66)	462 (13.70)
TUR	481279	0.03	481137	441 (6.79)	444 (7.09)	435 (7.14)	432 (8.11)	378 (7.39)
GBR	698579	3.61	673362	529 (3.75)	520 (3.00)	514 (4.16)	498 (6.19)	416 (13.09)
USA	3147089	0.76	3123066	501 (3.35)	496 (3.81)	488 (4.65)	476 (6.00)	394 (14.70)
TOT	.	1.35	.	493 (1.43)	504 (1.33)	501 (1.48)	504 (1.76)	387 (4.10)
AVG	.	1.29	.	497 (0.83)	507 (0.74)	504 (0.89)	506 (1.02)	402 (2.88)
HKG	72484	0.21	72334	550 (4.78)	544 (4.79)	527 (4.91)	519 (9.39)	. (.)
IDN	1971476	0.02	1971117	391 (2.89)	398 (3.90)	414 (4.68)	388 (8.56)	347 (5.71)
LVA	33643	0.22	33570	485 (6.37)	495 (4.30)	489 (4.22)	485 (7.73)	407 (15.07)
LIE	338	.	338	522 (12.47)	528 (8.61)	518 (11.75)	541 (14.96)	. (.)
MAC	6546	0.10	6540	531 (7.52)	524 (6.42)	527 (6.01)	506 (14.86)	. (.)
RUS	2153373	0.02	2152991	491 (4.50)	495 (5.05)	487 (5.09)	495 (6.97)	391 (11.93)
YUG	68596	0.59	68192	425 (4.39)	441 (4.12)	440 (3.62)	462 (5.31)	396 (11.89)
THA	637076	.	637076	429 (3.02)	428 (3.12)	429 (4.49)	450 (13.26)	407 (11.15)
TUN	150875	0.07	150770	386 (3.32)	392 (3.77)	396 (4.25)	386 (5.37)	333 (5.81)
URY	33775	0.17	33717	440 (3.51)	448 (3.99)	453 (5.41)	440 (8.54)	352 (6.50)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher continues teaching until the students understand.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	541 (2.23)	531 (2.25)	523 (3.04)	520 (5.53)	441 (9.26)
AUT	85931	1.08	85003	494 (5.21)	514 (3.88)	514 (4.01)	510 (3.72)	456 (12.59)
BEL	111831	1.79	109825	532 (3.38)	540 (2.82)	530 (3.31)	531 (4.44)	402 (9.92)
CAN	330436	9.70	298375	541 (2.27)	537 (2.02)	526 (2.36)	518 (3.65)	491 (7.54)
CZE	121183	4.11	116203	510 (4.87)	528 (3.22)	526 (3.74)	526 (4.45)	448 (24.16)
DNK	51741	0.65	51406	529 (3.45)	524 (3.25)	505 (3.39)	492 (8.60)	421 (13.42)
FIN	57884	0.07	57845	552 (3.21)	550 (2.27)	544 (2.45)	542 (5.07)	521 (14.28)
FRA	734579	0.87	728167	517 (3.96)	523 (4.04)	527 (3.71)	526 (4.97)	425 (13.03)
DEU	884358	5.57	835070	504 (4.37)	529 (3.64)	524 (4.10)	530 (4.81)	408 (12.62)
GRC	105131	0.13	104991	441 (5.26)	450 (4.96)	457 (4.39)	461 (6.33)	370 (12.41)
HUN	107044	0.06	106984	492 (5.28)	506 (4.28)	505 (3.82)	507 (3.71)	423 (14.50)
ISL	3928	0.63	3903	515 (2.32)	507 (2.40)	497 (3.99)	480 (5.93)	405 (14.80)
IRL	54850	1.03	54285	500 (3.28)	504 (2.62)	500 (3.82)	492 (4.18)	392 (12.48)
ITA	481521	0.38	479699	455 (4.59)	475 (3.41)	476 (4.37)	487 (4.18)	364 (16.24)
JPN	1240054	0.10	1238855	550 (6.26)	555 (4.92)	550 (4.90)	535 (5.81)	439 (23.13)
KOR	533504	.	533504	540 (5.39)	550 (4.15)	556 (2.74)	547 (4.44)	. (.)
LUX	4080	0.08	4077	481 (3.38)	501 (2.66)	499 (3.07)	500 (3.70)	445 (9.52)
MEX	1071650	0.37	1067674	392 (5.53)	393 (4.84)	389 (3.94)	390 (6.92)	299 (6.33)
NLD	184943	3.39	178678	531 (4.39)	527 (3.81)	520 (4.00)	523 (5.74)	451 (11.09)
NZL	48638	2.31	47514	531 (3.22)	540 (2.76)	533 (3.85)	538 (5.10)	424 (17.21)
NOR	52816	0.77	52407	505 (4.23)	499 (3.80)	487 (3.85)	466 (4.88)	431 (10.96)
POL	534900	.	534900	487 (4.21)	492 (3.66)	484 (3.34)	490 (4.03)	381 (25.34)
PRT	96857	0.25	96616	470 (4.36)	470 (4.81)	471 (5.23)	483 (6.17)	419 (13.63)
SVK	77067	0.03	77043	475 (4.34)	491 (4.10)	502 (3.89)	506 (4.52)	415 (28.94)
ESP	344372	0.07	344114	482 (3.67)	489 (3.37)	484 (3.50)	473 (5.51)	410 (10.32)
SWE	107104	0.23	106861	511 (3.39)	513 (2.68)	508 (4.14)	494 (5.32)	432 (19.01)
CHE	86491	0.14	86370	509 (3.68)	524 (3.54)	533 (4.66)	532 (4.84)	445 (12.99)
TUR	481279	0.03	481137	415 (6.49)	419 (7.52)	409 (7.18)	406 (8.57)	338 (8.93)
GBR	698579	3.61	673362	518 (3.45)	511 (2.71)	505 (4.02)	491 (5.63)	440 (12.39)
USA	3147089	0.76	3123066	488 (3.40)	482 (3.74)	472 (4.98)	456 (4.72)	393 (12.14)
TOT	.	1.35	.	485 (1.50)	498 (1.33)	496 (1.51)	499 (1.65)	376 (4.39)
AVG	.	1.29	.	497 (0.87)	507 (0.76)	504 (0.83)	504 (1.01)	402 (3.17)
HKG	72484	0.21	72334	561 (4.56)	552 (4.98)	535 (4.91)	526 (9.15)	. (.)
IDN	1971476	0.02	1971117	356 (2.91)	366 (4.09)	384 (4.94)	356 (8.38)	302 (5.66)
LVA	33643	0.22	33570	478 (6.13)	488 (4.19)	484 (4.32)	478 (7.24)	400 (14.40)
LIE	338	.	338	524 (11.08)	533 (8.94)	524 (9.81)	542 (13.43)	. (.)
MAC	6546	0.10	6540	536 (6.61)	534 (5.11)	529 (6.24)	531 (12.62)	. (.)
RUS	2153373	0.02	2152991	481 (5.06)	486 (5.59)	476 (5.13)	482 (7.57)	368 (12.37)
YUG	68596	0.59	68192	407 (4.15)	429 (4.03)	431 (3.37)	446 (4.83)	347 (9.92)
THA	637076	.	637076	427 (2.97)	423 (3.22)	423 (4.53)	444 (11.51)	397 (14.00)
TUN	150875	0.07	150770	342 (2.66)	352 (3.31)	354 (3.43)	347 (4.88)	312 (4.35)
URY	33775	0.17	33717	411 (3.93)	422 (4.95)	428 (5.48)	416 (8.72)	310 (7.61)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher has to wait a long time for students to <quieten down>.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	11.50	(0.41)	19.75	(0.45)	43.65	(0.67)	23.13	(0.85)	1.98	(0.19)
AUT	85931	1.08	85003	13.15	(0.78)	19.17	(0.82)	34.91	(0.85)	30.71	(1.07)	2.05	(0.76)
BEL	111831	1.79	109825	13.94	(0.54)	18.64	(0.58)	38.27	(0.61)	24.66	(0.74)	4.49	(0.56)
CAN	330436	9.70	298375	10.24	(0.39)	16.85	(0.38)	45.58	(0.50)	24.88	(0.58)	2.45	(0.17)
CZE	121183	4.11	116203	12.74	(0.76)	20.18	(0.83)	39.55	(0.90)	25.54	(1.12)	2.00	(0.38)
DNK	51741	0.65	51406	8.39	(0.63)	18.46	(0.80)	47.50	(0.96)	23.04	(0.93)	2.62	(0.29)
FIN	57884	0.07	57845	10.05	(0.51)	24.33	(0.83)	46.81	(0.89)	17.57	(0.82)	1.23	(0.18)
FRA	734579	0.87	728167	17.78	(0.78)	19.26	(0.84)	34.60	(0.96)	25.93	(1.04)	2.43	(0.29)
DEU	884358	5.57	835070	13.14	(0.72)	17.51	(0.63)	38.16	(0.92)	28.38	(0.98)	2.81	(0.39)
GRC	105131	0.13	104991	13.22	(0.86)	21.06	(0.75)	39.83	(0.84)	22.87	(0.92)	3.02	(0.50)
HUN	107044	0.06	106984	11.48	(0.70)	17.90	(0.76)	40.55	(0.87)	28.61	(1.17)	1.45	(0.21)
ISL	3928	0.63	3903	10.70	(0.54)	24.97	(0.71)	49.40	(0.89)	13.68	(0.61)	1.25	(0.21)
IRL	54850	1.03	54285	11.58	(0.74)	13.41	(0.63)	34.42	(0.81)	38.92	(1.10)	1.66	(0.24)
ITA	481521	0.38	479699	17.78	(0.76)	20.32	(0.65)	38.71	(0.76)	21.97	(0.88)	1.23	(0.16)
JPN	1240054	0.10	1238855	3.89	(0.34)	9.63	(0.55)	34.82	(1.07)	50.36	(1.49)	1.30	(0.30)
KOR	533504	.	533504	4.30	(0.30)	14.49	(0.60)	51.62	(0.74)	29.16	(0.74)	0.43	(.)
LUX	4080	0.08	4077	18.92	(0.55)	22.41	(0.70)	33.20	(0.73)	21.99	(0.59)	3.48	(0.26)
MEX	1071650	0.37	1067674	9.62	(0.49)	14.54	(0.54)	38.88	(1.03)	28.96	(0.86)	8.00	(0.68)
NLD	184943	3.42	178618	12.65	(0.88)	22.40	(0.73)	44.15	(1.27)	17.40	(1.02)	3.39	(0.50)
NZL	48638	2.33	47504	14.93	(0.55)	21.93	(0.67)	43.06	(0.89)	19.33	(0.69)	0.75	(0.13)
NOR	52816	0.77	52407	10.95	(0.68)	23.52	(0.88)	46.29	(0.89)	15.38	(0.77)	3.87	(0.49)
POL	534900	.	534900	11.79	(0.78)	18.25	(0.74)	43.39	(0.95)	25.49	(1.33)	1.09	(0.22)
PRT	96857	0.25	96616	10.99	(0.59)	18.60	(0.74)	42.94	(0.87)	25.55	(1.03)	1.93	(0.28)
SVK	77067	0.03	77043	12.70	(0.57)	20.67	(0.72)	43.58	(0.83)	20.98	(0.89)	2.08	(0.51)
ESP	344372	0.07	344114	12.30	(0.68)	22.38	(0.75)	42.70	(0.93)	19.84	(1.02)	2.78	(0.32)
SWE	107104	0.23	106861	11.66	(0.67)	20.67	(0.74)	47.93	(0.84)	18.56	(0.90)	1.18	(0.19)
CHE	86491	0.14	86370	11.13	(0.71)	20.43	(0.56)	39.65	(0.83)	26.33	(1.14)	2.45	(0.24)
TUR	481279	0.03	481137	14.20	(0.68)	18.22	(0.61)	40.09	(1.08)	18.93	(0.87)	8.55	(1.10)
GBR	698579	3.61	673362	15.08	(0.66)	19.98	(0.68)	39.59	(0.70)	23.50	(0.88)	1.86	(0.19)
USA	3147089	0.76	3123066	9.63	(0.45)	15.82	(0.56)	41.01	(0.70)	30.93	(0.88)	2.61	(0.33)
TOT	.	1.35	.	10.87	(0.19)	16.74	(0.21)	40.26	(0.27)	29.23	(0.34)	2.90	(0.12)
AVG	.	1.29	.	12.01	(0.13)	19.19	(0.13)	41.49	(0.16)	24.75	(0.20)	2.55	(0.08)
HKG	72484	0.21	72334	6.28	(0.48)	12.55	(0.62)	52.20	(0.91)	28.62	(1.05)	0.35	(.)
IDN	1971476	0.02	1971117	13.73	(0.54)	21.62	(0.76)	35.77	(0.98)	23.16	(0.68)	5.73	(0.58)
LVA	33643	0.22	33570	6.00	(0.50)	14.18	(0.79)	42.98	(1.14)	35.57	(1.74)	1.27	(0.20)
LIE	338	.	338	11.76	(1.58)	20.83	(2.12)	35.85	(2.57)	30.35	(2.16)	1.21	(.)
MAC	6546	0.10	6540	4.38	(0.68)	13.00	(1.12)	54.01	(1.73)	28.16	(1.57)	0.45	(.)
RUS	2153373	0.02	2152991	6.61	(0.51)	11.32	(0.64)	39.01	(0.96)	40.24	(1.45)	2.82	(0.35)
YUG	68596	0.60	68185	11.66	(0.68)	14.58	(0.75)	40.37	(0.88)	25.50	(0.93)	7.90	(1.00)
THA	637076	.	637076	9.55	(0.52)	21.85	(0.78)	48.48	(0.85)	18.93	(0.97)	1.18	(0.18)
TUN	150875	0.07	150770	15.83	(0.75)	17.61	(0.72)	26.28	(0.87)	32.25	(1.14)	8.03	(0.58)
URY	33775	0.17	33717	10.89	(0.69)	18.84	(0.67)	41.31	(1.01)	21.81	(0.83)	7.15	(0.58)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher has to wait a long time for students to <quieten down>.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	507 (3.10)	503 (3.46)	530 (2.55)	556 (3.26)	416 (8.32)
AUT	85931	1.08	85003	474 (6.23)	469 (6.34)	495 (4.09)	518 (4.25)	441 (31.60)
BEL	111831	1.79	109825	486 (5.46)	500 (4.44)	523 (2.56)	540 (2.99)	357 (17.19)
CAN	330436	9.70	298375	506 (3.17)	516 (3.17)	535 (1.75)	550 (2.23)	489 (7.30)
CZE	121183	4.11	116203	474 (5.83)	479 (4.33)	502 (3.03)	516 (4.30)	434 (16.71)
DNK	51741	0.65	51406	483 (5.95)	482 (4.22)	498 (2.98)	507 (3.95)	374 (13.55)
FIN	57884	0.07	57845	531 (4.09)	538 (2.60)	545 (1.77)	558 (3.26)	490 (16.95)
FRA	734579	0.87	728167	481 (4.85)	488 (5.08)	505 (3.45)	514 (3.61)	395 (13.94)
DEU	884358	5.57	835070	470 (6.10)	485 (5.76)	512 (3.78)	524 (3.83)	369 (11.89)
GRC	105131	0.13	104991	461 (5.98)	461 (5.20)	483 (4.52)	488 (4.71)	346 (14.29)
HUN	107044	0.06	106984	466 (5.27)	464 (4.74)	481 (3.14)	506 (3.85)	368 (16.50)
ISL	3928	0.63	3903	475 (5.95)	485 (3.25)	500 (2.15)	506 (4.00)	347 (18.91)
IRL	54850	1.03	54285	487 (5.99)	497 (5.00)	514 (3.14)	535 (3.66)	412 (18.03)
ITA	481521	0.38	479699	461 (5.47)	460 (5.46)	481 (3.01)	499 (3.68)	381 (17.38)
JPN	1240054	0.10	1238855	436 (9.37)	456 (7.52)	488 (4.35)	522 (4.07)	338 (24.97)
KOR	533504	.	533504	508 (7.32)	520 (3.64)	540 (3.30)	537 (3.42)	. (.)
LUX	4080	0.08	4077	466 (3.52)	472 (3.53)	493 (2.34)	494 (3.48)	374 (11.81)
MEX	1071650	0.37	1067674	382 (5.95)	391 (5.80)	417 (4.46)	415 (4.17)	299 (6.39)
NLD	184943	3.42	178618	498 (5.59)	504 (4.10)	526 (3.00)	535 (4.77)	483 (10.22)
NZL	48638	2.33	47504	502 (5.65)	504 (3.85)	533 (2.70)	551 (3.95)	385 (23.93)
NOR	52816	0.77	52407	475 (6.67)	494 (3.93)	513 (3.10)	513 (5.52)	410 (12.60)
POL	534900	.	534900	492 (5.89)	487 (5.21)	495 (3.29)	514 (3.36)	357 (21.16)
PRT	96857	0.25	96616	448 (6.39)	456 (5.59)	485 (3.59)	498 (3.78)	441 (18.44)
SVK	77067	0.03	77043	446 (5.42)	467 (4.43)	473 (4.12)	487 (3.51)	374 (21.63)
ESP	344372	0.07	344114	460 (5.79)	466 (4.24)	488 (2.80)	506 (3.75)	390 (11.36)
SWE	107104	0.23	106861	493 (5.33)	508 (4.15)	520 (2.46)	530 (4.71)	380 (23.31)
CHE	86491	0.14	86370	469 (8.47)	484 (4.00)	506 (3.91)	521 (3.67)	412 (13.08)
TUR	481279	0.03	481137	417 (6.25)	434 (5.81)	452 (6.02)	473 (8.95)	374 (8.84)
GBR	698579	3.61	673362	481 (3.94)	481 (4.01)	516 (2.86)	535 (4.50)	418 (9.65)
USA	3147089	0.76	3123066	450 (5.68)	463 (4.43)	503 (3.14)	526 (3.66)	387 (13.64)
TOT	.	1.35	.	460 (2.04)	469 (1.66)	496 (1.21)	513 (1.37)	365 (4.39)
AVG	.	1.29	.	473 (1.06)	482 (0.88)	503 (0.72)	516 (0.77)	385 (3.27)
HKG	72484	0.21	72334	475 (8.80)	484 (5.40)	507 (3.50)	535 (3.23)	. (.)
IDN	1971476	0.02	1971117	360 (4.60)	371 (3.65)	402 (3.98)	391 (4.42)	311 (6.96)
LVA	33643	0.22	33570	475 (8.31)	467 (5.97)	490 (4.05)	507 (4.60)	393 (15.33)
LIE	338	.	338	488 (18.12)	501 (10.87)	528 (7.47)	555 (9.47)	. (.)
MAC	6546	0.10	6540	469 (12.22)	483 (6.89)	495 (2.74)	515 (5.36)	. (.)
RUS	2153373	0.02	2152991	413 (7.54)	423 (6.20)	441 (4.01)	461 (4.36)	332 (8.53)
YUG	68596	0.60	68185	395 (4.86)	409 (4.23)	417 (3.73)	432 (4.30)	352 (12.44)
THA	637076	.	637076	395 (5.39)	400 (3.74)	426 (3.18)	442 (4.30)	377 (14.62)
TUN	150875	0.07	150770	356 (4.71)	363 (4.53)	392 (3.88)	390 (4.30)	319 (6.04)
URY	33775	0.17	33717	425 (7.07)	424 (6.88)	448 (3.52)	456 (5.59)	329 (7.74)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher has to wait a long time for students to <quieten down>.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	496 (2.88)	502 (3.03)	530 (2.56)	557 (3.21)	433 (8.04)
AUT	85931	1.08	85003	486 (5.84)	484 (5.37)	511 (3.93)	531 (4.07)	453 (18.09)
BEL	111831	1.79	109825	503 (4.67)	524 (3.86)	545 (2.36)	564 (3.12)	390 (14.79)
CAN	330436	9.70	298375	509 (3.40)	522 (2.92)	538 (1.72)	556 (2.23)	498 (6.66)
CZE	121183	4.11	116203	501 (5.90)	506 (5.00)	529 (3.21)	541 (4.58)	460 (16.78)
DNK	51741	0.65	51406	506 (6.22)	505 (4.45)	519 (2.90)	528 (4.16)	422 (12.73)
FIN	57884	0.07	57845	532 (4.46)	536 (2.89)	546 (2.04)	562 (2.79)	507 (17.26)
FRA	734579	0.87	728167	494 (4.22)	506 (4.44)	519 (3.34)	529 (3.74)	416 (11.75)
DEU	884358	5.57	835070	485 (5.91)	497 (6.05)	521 (3.43)	529 (4.08)	402 (10.48)
GRC	105131	0.13	104991	432 (5.29)	439 (4.04)	452 (4.44)	457 (5.10)	367 (10.82)
HUN	107044	0.06	106984	469 (5.47)	471 (4.67)	490 (3.14)	516 (4.47)	386 (13.54)
ISL	3928	0.63	3903	504 (4.95)	509 (2.93)	521 (1.91)	524 (3.78)	417 (17.43)
IRL	54850	1.03	54285	474 (5.17)	488 (4.65)	501 (2.88)	521 (3.41)	412 (14.24)
ITA	481521	0.38	479699	453 (4.30)	457 (4.08)	470 (3.66)	482 (4.11)	389 (12.84)
JPN	1240054	0.10	1238855	478 (8.36)	496 (8.02)	526 (5.00)	555 (4.21)	416 (19.88)
KOR	533504	.	533504	506 (8.33)	527 (4.27)	550 (3.66)	543 (3.23)	. (.)
LUX	4080	0.08	4077	475 (3.19)	487 (2.98)	504 (2.32)	509 (3.23)	435 (9.15)
MEX	1071650	0.37	1067674	367 (4.62)	377 (4.77)	402 (4.10)	397 (3.61)	303 (5.58)
NLD	184943	3.42	178618	526 (5.69)	531 (4.68)	552 (3.07)	562 (4.92)	476 (9.54)
NZL	48638	2.33	47504	499 (5.06)	509 (3.63)	534 (2.59)	551 (3.91)	419 (16.69)
NOR	52816	0.77	52407	478 (5.61)	493 (3.12)	506 (2.99)	501 (3.96)	415 (9.70)
POL	534900	.	534900	482 (4.95)	484 (4.52)	487 (2.97)	509 (3.20)	369 (15.54)
PRT	96857	0.25	96616	432 (6.01)	451 (4.94)	473 (3.38)	484 (3.59)	433 (12.52)
SVK	77067	0.03	77043	474 (6.02)	499 (3.83)	500 (4.16)	516 (3.62)	416 (21.89)
ESP	344372	0.07	344114	469 (5.16)	473 (3.90)	491 (2.56)	506 (3.80)	414 (10.03)
SWE	107104	0.23	106861	482 (5.36)	505 (4.12)	514 (2.69)	527 (4.97)	397 (20.16)
CHE	86491	0.14	86370	497 (8.31)	517 (4.13)	533 (3.99)	544 (3.78)	443 (12.76)
TUR	481279	0.03	481137	391 (6.61)	416 (6.61)	435 (7.20)	463 (10.40)	348 (8.47)
GBR	698579	3.61	673362	478 (4.25)	480 (4.29)	517 (2.72)	541 (4.14)	428 (9.12)
USA	3147089	0.76	3123066	438 (4.90)	452 (3.98)	491 (3.15)	510 (3.39)	403 (11.89)
TOT	.	1.35	.	458 (1.86)	471 (1.60)	496 (1.21)	514 (1.26)	378 (4.12)
AVG	.	1.29	.	476 (1.00)	489 (0.84)	508 (0.73)	521 (0.78)	401 (2.81)
HKG	72484	0.21	72334	515 (11.34)	522 (6.60)	546 (4.45)	580 (3.92)	. (.)
IDN	1971476	0.02	1971117	334 (5.40)	347 (4.03)	383 (4.56)	369 (4.49)	294 (6.14)
LVA	33643	0.22	33570	464 (8.34)	463 (5.80)	483 (3.87)	498 (4.53)	401 (12.39)
LIE	338	.	338	499 (17.29)	505 (12.37)	535 (8.64)	572 (9.14)	. (.)
MAC	6546	0.10	6540	491 (15.49)	522 (9.06)	522 (3.96)	549 (6.23)	. (.)
RUS	2153373	0.02	2152991	435 (7.52)	449 (4.60)	465 (4.85)	489 (4.37)	379 (7.60)
YUG	68596	0.60	68185	416 (5.25)	435 (4.42)	443 (4.06)	458 (4.48)	374 (10.22)
THA	637076	.	637076	392 (5.45)	396 (3.55)	425 (3.20)	436 (4.61)	373 (12.82)
TUN	150875	0.07	150770	347 (3.92)	353 (4.04)	370 (2.81)	370 (4.04)	313 (5.01)
URY	33775	0.17	33717	409 (5.10)	414 (4.91)	435 (3.87)	442 (5.15)	329 (5.86)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher has to wait a long time for students to <quieten down>.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	499 (3.46)	499 (3.33)	530 (2.59)	560 (3.21)	433 (7.78)
AUT	85931	1.08	85003	472 (6.23)	468 (5.71)	495 (3.92)	518 (4.02)	439 (22.42)
BEL	111831	1.79	109825	485 (4.41)	502 (4.27)	522 (2.65)	542 (3.36)	370 (14.36)
CAN	330436	9.70	298375	493 (3.76)	504 (3.23)	526 (2.01)	545 (2.70)	480 (7.75)
CZE	121183	4.11	116203	508 (6.10)	512 (5.08)	535 (3.16)	546 (4.72)	460 (18.75)
DNK	51741	0.65	51406	475 (6.95)	467 (5.11)	480 (3.33)	489 (4.64)	355 (13.42)
FIN	57884	0.07	57845	534 (4.46)	541 (3.41)	550 (2.07)	565 (3.51)	528 (18.09)
FRA	734579	0.87	728167	494 (5.12)	503 (5.84)	520 (3.90)	531 (4.62)	417 (16.51)
DEU	884358	5.57	835070	484 (6.54)	497 (6.39)	522 (3.64)	530 (4.18)	391 (11.86)
GRC	105131	0.13	104991	472 (6.26)	474 (4.85)	489 (4.51)	491 (5.10)	394 (12.19)
HUN	107044	0.06	106984	490 (5.42)	486 (4.83)	501 (3.19)	528 (4.52)	402 (14.67)
ISL	3928	0.63	3903	488 (5.29)	490 (3.11)	500 (2.24)	504 (3.90)	389 (17.53)
IRL	54850	1.03	54285	478 (6.46)	488 (5.92)	503 (3.12)	524 (3.88)	431 (13.93)
ITA	481521	0.38	479699	472 (5.81)	474 (5.31)	490 (3.51)	509 (3.97)	399 (14.03)
JPN	1240054	0.10	1238855	485 (9.21)	505 (8.20)	537 (5.00)	572 (4.41)	395 (20.69)
KOR	533504	.	533504	505 (8.20)	524 (4.69)	545 (3.97)	540 (3.90)	. (.)
LUX	4080	0.08	4077	466 (4.01)	476 (3.70)	494 (2.70)	501 (3.56)	400 (11.83)
MEX	1071650	0.37	1067674	387 (4.58)	398 (5.31)	419 (3.84)	415 (3.66)	334 (6.27)
NLD	184943	3.42	178618	509 (6.24)	515 (4.82)	537 (3.45)	551 (5.53)	464 (11.39)
NZL	48638	2.33	47504	503 (5.55)	507 (3.83)	529 (2.68)	548 (3.91)	399 (20.53)
NOR	52816	0.77	52407	467 (6.90)	481 (3.89)	496 (3.38)	493 (5.42)	385 (10.93)
POL	534900	.	534900	490 (5.84)	486 (5.15)	494 (3.59)	519 (3.85)	417 (15.19)
PRT	96857	0.25	96616	440 (6.27)	455 (5.10)	474 (3.51)	483 (3.78)	418 (15.18)
SVK	77067	0.03	77043	474 (6.40)	493 (6.03)	497 (4.44)	515 (3.98)	396 (21.01)
ESP	344372	0.07	344114	467 (5.48)	474 (4.41)	494 (3.17)	512 (3.88)	401 (13.77)
SWE	107104	0.23	106861	481 (5.57)	501 (5.04)	512 (2.95)	520 (5.25)	393 (24.40)
CHE	86491	0.14	86370	476 (9.08)	500 (4.70)	520 (4.40)	534 (3.99)	436 (12.05)
TUR	481279	0.03	481137	404 (6.28)	425 (5.93)	444 (6.32)	472 (9.59)	374 (7.63)
GBR	698579	3.61	673362	488 (4.73)	490 (4.58)	529 (2.93)	551 (4.58)	417 (11.05)
USA	3147089	0.76	3123066	448 (5.51)	463 (4.13)	498 (3.34)	520 (3.49)	389 (14.88)
TOT	.	1.35	.	465 (1.95)	477 (1.64)	502 (1.20)	523 (1.38)	383 (4.26)
AVG	.	1.29	.	477 (1.09)	487 (0.87)	506 (0.73)	522 (0.80)	399 (2.94)
HKG	72484	0.21	72334	508 (10.16)	513 (6.00)	536 (4.23)	567 (4.04)	. (.)
IDN	1971476	0.02	1971117	375 (3.98)	385 (3.34)	412 (3.89)	402 (3.93)	347 (5.67)
LVA	33643	0.22	33570	481 (7.85)	471 (5.96)	490 (4.36)	500 (4.69)	397 (15.53)
LIE	338	.	338	493 (17.12)	490 (13.22)	527 (8.85)	561 (9.45)	. (.)
MAC	6546	0.10	6540	484 (14.61)	512 (9.46)	520 (3.97)	549 (7.04)	. (.)
RUS	2153373	0.02	2152991	460 (7.98)	468 (5.72)	487 (4.31)	509 (4.80)	389 (8.70)
YUG	68596	0.60	68185	413 (5.52)	432 (4.59)	440 (4.04)	458 (3.99)	396 (11.93)
THA	637076	.	637076	405 (4.89)	410 (3.40)	436 (3.12)	448 (3.95)	401 (11.81)
TUN	150875	0.07	150770	370 (4.38)	379 (4.66)	399 (3.44)	398 (3.69)	324 (6.04)
URY	33775	0.17	33717	432 (7.78)	431 (5.37)	450 (3.31)	456 (4.73)	348 (5.94)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

The teacher has to wait a long time for students to <quieten down>.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	507 (2.76)	510 (2.90)	534 (2.68)	559 (3.02)	444 (8.69)
AUT	85931	1.08	85003	489 (5.32)	485 (5.18)	511 (3.56)	530 (3.90)	449 (18.25)
BEL	111831	1.79	109825	500 (4.84)	518 (3.91)	539 (2.34)	556 (3.14)	403 (10.10)
CAN	330436	9.70	298375	506 (3.30)	517 (2.94)	537 (1.87)	553 (2.22)	498 (7.25)
CZE	121183	4.11	116203	501 (5.70)	506 (4.77)	529 (3.04)	541 (4.48)	459 (19.48)
DNK	51741	0.65	51406	510 (5.63)	508 (3.96)	521 (2.54)	530 (4.28)	422 (13.73)
FIN	57884	0.07	57845	536 (4.21)	540 (2.95)	549 (2.10)	562 (2.73)	517 (15.21)
FRA	734579	0.87	728167	500 (4.39)	513 (4.74)	528 (3.50)	538 (3.74)	423 (13.01)
DEU	884358	5.57	835070	492 (5.61)	505 (5.64)	529 (3.70)	538 (3.84)	411 (11.62)
GRC	105131	0.13	104991	432 (5.91)	436 (4.16)	458 (4.64)	464 (5.16)	368 (12.84)
HUN	107044	0.06	106984	477 (5.65)	480 (4.63)	502 (3.36)	527 (4.44)	410 (13.58)
ISL	3928	0.63	3903	494 (4.31)	498 (2.81)	511 (2.04)	515 (3.77)	398 (17.06)
IRL	54850	1.03	54285	474 (5.20)	485 (4.78)	498 (2.91)	514 (3.18)	400 (12.98)
ITA	481521	0.38	479699	456 (4.90)	458 (4.50)	475 (3.31)	490 (4.07)	362 (16.41)
JPN	1240054	0.10	1238855	485 (8.81)	509 (8.08)	538 (5.14)	569 (4.07)	419 (27.11)
KOR	533504	.	533504	518 (8.13)	536 (3.86)	557 (3.44)	552 (3.18)	. (.)
LUX	4080	0.08	4077	478 (3.14)	487 (3.49)	504 (2.34)	508 (3.19)	436 (10.20)
MEX	1071650	0.37	1067674	367 (6.49)	376 (6.04)	401 (4.69)	397 (4.37)	295 (5.78)
NLD	184943	3.42	178618	504 (5.54)	510 (4.60)	533 (3.09)	543 (5.01)	451 (10.93)
NZL	48638	2.33	47504	514 (4.79)	517 (3.71)	543 (2.37)	556 (3.48)	420 (17.58)
NOR	52816	0.77	52407	468 (5.90)	486 (3.79)	501 (3.24)	498 (4.89)	426 (10.87)
POL	534900	.	534900	479 (5.62)	479 (4.62)	484 (3.18)	506 (3.32)	364 (25.28)
PRT	96857	0.25	96616	438 (6.61)	453 (5.76)	477 (3.78)	488 (3.92)	425 (13.21)
SVK	77067	0.03	77043	467 (5.93)	493 (4.11)	495 (4.07)	508 (3.75)	415 (25.42)
ESP	344372	0.07	344114	460 (5.95)	467 (4.21)	489 (2.62)	508 (4.07)	414 (10.12)
SWE	107104	0.23	106861	483 (5.33)	502 (3.97)	513 (2.62)	527 (4.48)	419 (18.25)
CHE	86491	0.14	86370	498 (7.52)	513 (3.57)	528 (3.60)	537 (3.83)	422 (12.73)
TUR	481279	0.03	481137	382 (6.11)	400 (6.23)	419 (6.15)	442 (9.22)	337 (8.75)
GBR	698579	3.61	673362	480 (4.16)	482 (4.26)	519 (2.70)	541 (4.12)	440 (9.46)
USA	3147089	0.76	3123066	429 (4.65)	446 (4.26)	485 (3.42)	507 (3.68)	392 (12.48)
TOT	.	1.35	.	457 (1.82)	470 (1.72)	496 (1.32)	517 (1.30)	373 (4.47)
AVG	.	1.29	.	476 (1.07)	488 (0.87)	508 (0.73)	521 (0.71)	399 (2.97)
HKG	72484	0.21	72334	519 (10.92)	522 (6.41)	544 (4.06)	575 (3.63)	. (.)
IDN	1971476	0.02	1971117	339 (4.51)	350 (3.56)	381 (4.18)	370 (4.03)	302 (5.10)
LVA	33643	0.22	33570	463 (8.30)	459 (6.14)	482 (4.32)	500 (4.46)	385 (13.41)
LIE	338	.	338	495 (16.84)	502 (10.58)	528 (8.11)	564 (9.71)	. (.)
MAC	6546	0.10	6540	493 (12.42)	522 (7.86)	528 (3.79)	552 (5.85)	. (.)
RUS	2153373	0.02	2152991	440 (8.78)	461 (5.36)	476 (4.72)	500 (4.75)	368 (10.45)
YUG	68596	0.60	68185	401 (4.81)	422 (4.44)	426 (3.59)	441 (3.88)	349 (10.61)
THA	637076	.	637076	401 (5.48)	409 (4.27)	431 (2.97)	443 (4.31)	389 (15.85)
TUN	150875	0.07	150770	333 (3.87)	338 (3.89)	355 (2.86)	355 (3.57)	311 (4.97)
URY	33775	0.17	33717	400 (7.37)	403 (5.77)	424 (3.97)	430 (5.64)	311 (5.77)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students cannot work well.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	Every Lesson (SE)	Most Lessons %	Most Lessons (SE)	Some Lessons %	Some Lessons (SE)	Never or hardly Ever %	Never or hardly Ever (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234649	5.41	(0.28)	13.90	(0.54)	46.61	(0.76)	32.02	(1.07)	2.05	(0.20)
AUT	85931	1.08	85003	7.52	(0.50)	18.48	(0.64)	33.84	(0.98)	37.38	(1.13)	2.78	(0.78)
BEL	111831	1.79	109825	5.46	(0.32)	12.99	(0.46)	42.74	(0.63)	33.68	(0.77)	5.13	(0.54)
CAN	330436	9.70	298375	4.93	(0.25)	12.32	(0.31)	46.85	(0.49)	33.17	(0.59)	2.73	(0.18)
CZE	121183	4.11	116203	5.91	(0.42)	18.39	(0.69)	54.88	(0.86)	19.07	(0.86)	1.75	(0.38)
DNK	51741	0.65	51406	4.14	(0.37)	14.87	(0.64)	51.88	(0.88)	25.74	(1.06)	3.37	(0.33)
FIN	57884	0.07	57845	4.23	(0.34)	14.31	(0.57)	48.96	(0.77)	30.95	(0.83)	1.55	(0.21)
FRA	734579	0.87	728167	9.31	(0.56)	14.84	(0.61)	35.37	(0.93)	37.27	(1.05)	3.21	(0.33)
DEU	884358	5.57	835070	8.52	(0.45)	16.08	(0.55)	36.28	(0.81)	35.57	(0.99)	3.54	(0.42)
GRC	105131	0.13	104991	7.43	(0.46)	20.29	(0.86)	50.57	(0.98)	18.24	(0.78)	3.46	(0.53)
HUN	107044	0.06	106984	4.47	(0.33)	17.46	(0.71)	53.93	(0.78)	22.39	(0.84)	1.75	(0.23)
ISL	3928	0.63	3903	6.11	(0.38)	18.67	(0.64)	55.48	(0.95)	18.17	(0.65)	1.56	(0.23)
IRL	54850	1.03	54285	6.23	(0.47)	12.59	(0.61)	39.66	(0.79)	39.80	(0.97)	1.70	(0.27)
ITA	481521	0.38	479699	7.61	(0.49)	16.80	(0.64)	38.27	(0.92)	35.42	(0.93)	1.89	(0.20)
JPN	1240054	0.10	1238855	6.02	(0.50)	18.29	(0.75)	50.65	(0.98)	23.18	(0.96)	1.86	(0.33)
KOR	533504	.	533504	4.54	(0.32)	13.26	(0.59)	50.17	(0.81)	31.42	(0.82)	0.61	(0.11)
LUX	4080	0.08	4077	13.76	(0.57)	24.04	(0.62)	35.26	(0.63)	23.09	(0.63)	3.85	(0.31)
MEX	1071650	0.37	1067674	6.97	(0.33)	14.97	(0.51)	45.79	(0.64)	23.84	(0.88)	8.44	(0.68)
NLD	184943	3.49	178494	4.84	(0.70)	13.61	(0.57)	51.42	(0.89)	26.72	(0.99)	3.41	(0.53)
NZL	48638	2.31	47514	6.75	(0.37)	15.86	(0.55)	47.86	(0.74)	28.73	(0.77)	0.80	(0.12)
NOR	52816	0.77	52407	5.68	(0.45)	21.47	(0.84)	56.55	(0.87)	12.32	(0.67)	3.98	(0.47)
POL	534900	.	534900	5.94	(0.43)	15.12	(0.75)	45.92	(0.99)	31.40	(1.16)	1.62	(0.23)
PRT	96857	0.25	96616	4.45	(0.37)	17.49	(0.72)	49.57	(0.92)	26.43	(0.84)	2.06	(0.28)
SVK	77067	0.03	77043	5.85	(0.37)	18.79	(0.63)	56.82	(0.77)	16.53	(0.58)	2.01	(0.51)
ESP	344372	0.07	344114	6.95	(0.44)	16.19	(0.77)	40.47	(0.71)	33.13	(1.16)	3.25	(0.34)
SWE	107104	0.23	106861	4.52	(0.32)	15.11	(0.71)	54.51	(0.95)	24.33	(1.02)	1.53	(0.23)
CHE	86491	0.14	86370	7.06	(0.43)	17.94	(0.67)	37.35	(0.84)	34.23	(0.94)	3.42	(0.28)
TUR	481279	0.03	481137	9.52	(0.63)	18.82	(0.81)	48.52	(1.46)	14.84	(0.75)	8.30	(1.06)
GBR	698579	3.61	673362	7.00	(0.46)	14.27	(0.65)	40.74	(0.70)	36.02	(0.92)	1.98	(0.19)
USA	3147089	0.76	3123066	5.28	(0.38)	13.01	(0.55)	42.24	(0.80)	36.43	(1.03)	3.04	(0.34)
TOT	.	1.35	.	6.42	(0.14)	15.12	(0.20)	44.04	(0.28)	31.11	(0.35)	3.32	(0.12)
AVG	.	1.29	.	6.42	(0.07)	16.36	(0.13)	46.32	(0.16)	28.02	(0.17)	2.89	(0.07)
HKG	72484	0.21	72334	5.57	(0.51)	13.82	(0.62)	63.02	(0.76)	17.21	(0.69)	0.39	(.)
IDN	1971476	0.02	1971117	5.59	(0.38)	14.69	(0.54)	43.12	(1.05)	30.66	(0.84)	5.94	(0.55)
LVA	33643	0.22	33570	4.19	(0.41)	13.85	(0.76)	49.78	(0.98)	30.76	(1.36)	1.42	(0.22)
LIE	338	.	338	9.07	(.)	18.68	(2.05)	31.99	(2.67)	38.74	(2.36)	1.51	(.)
MAC	6546	0.10	6540	4.64	(0.69)	15.70	(1.38)	70.25	(1.61)	8.34	(0.94)	1.07	(.)
RUS	2153373	0.02	2152991	4.98	(0.42)	13.30	(0.55)	47.53	(0.79)	31.16	(0.96)	3.03	(0.29)
YUG	68596	0.57	68202	9.32	(0.49)	15.78	(0.63)	51.20	(1.03)	15.52	(0.63)	8.19	(1.01)
THA	637076	.	637076	5.51	(0.41)	17.61	(0.72)	63.76	(1.12)	11.88	(0.76)	1.24	(0.19)
TUN	150875	0.07	150770	10.05	(0.55)	19.94	(0.61)	34.66	(0.85)	27.29	(0.88)	8.05	(0.52)
URY	33775	0.17	33717	7.29	(0.48)	14.85	(0.72)	37.79	(0.70)	32.33	(0.93)	7.74	(0.63)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students cannot work well.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	504 (4.98)	490 (4.15)	528 (2.48)	549 (3.00)	416 (8.88)
AUT	85931	1.08	85003	458 (6.48)	467 (5.45)	488 (4.18)	523 (4.25)	440 (24.98)
BEL	111831	1.79	109825	461 (7.56)	486 (4.98)	525 (2.55)	531 (3.14)	370 (15.12)
CAN	330436	9.70	298375	489 (4.73)	505 (3.15)	534 (1.82)	547 (2.05)	485 (7.32)
CZE	121183	4.11	116203	462 (6.81)	478 (3.79)	502 (2.89)	511 (4.23)	427 (21.91)
DNK	51741	0.65	51406	467 (8.25)	469 (4.63)	500 (2.70)	508 (3.44)	395 (14.86)
FIN	57884	0.07	57845	520 (6.67)	520 (3.48)	544 (1.96)	559 (2.50)	496 (14.01)
FRA	734579	0.87	728167	478 (6.81)	472 (5.12)	500 (4.10)	516 (2.91)	412 (13.12)
DEU	884358	5.57	835070	456 (6.09)	473 (5.14)	509 (4.05)	527 (3.75)	383 (11.62)
GRC	105131	0.13	104991	443 (7.88)	461 (5.09)	483 (4.07)	488 (4.67)	361 (13.92)
HUN	107044	0.06	106984	457 (8.32)	473 (4.13)	482 (2.84)	501 (4.32)	387 (15.86)
ISL	3928	0.63	3903	447 (7.26)	472 (4.10)	502 (2.10)	509 (3.67)	368 (17.12)
IRL	54850	1.03	54285	475 (7.19)	487 (4.45)	519 (3.21)	530 (3.23)	413 (19.09)
ITA	481521	0.38	479699	449 (6.98)	454 (5.96)	474 (3.27)	499 (3.26)	391 (12.50)
JPN	1240054	0.10	1238855	435 (8.90)	473 (5.51)	504 (3.84)	531 (5.91)	390 (17.68)
KOR	533504	.	533504	502 (7.05)	513 (4.19)	538 (2.81)	544 (4.48)	389 (36.29)
LUX	4080	0.08	4077	456 (3.88)	471 (3.65)	495 (2.55)	495 (3.66)	379 (11.54)
MEX	1071650	0.37	1067674	361 (7.38)	390 (5.00)	409 (3.60)	433 (5.61)	304 (6.90)
NLD	184943	3.49	178494	491 (7.09)	510 (4.72)	518 (3.05)	529 (4.19)	487 (9.52)
NZL	48638	2.31	47514	492 (6.84)	486 (4.96)	529 (2.68)	548 (3.26)	412 (24.64)
NOR	52816	0.77	52407	441 (9.16)	492 (4.86)	514 (2.79)	508 (5.16)	413 (12.64)
POL	534900	.	534900	464 (8.51)	475 (5.70)	499 (3.38)	516 (3.34)	386 (21.74)
PRT	96857	0.25	96616	434 (11.34)	443 (5.83)	483 (3.46)	501 (4.08)	434 (13.83)
SVK	77067	0.03	77043	436 (6.42)	457 (4.26)	477 (3.13)	481 (4.30)	371 (23.06)
ESP	344372	0.07	344114	441 (7.26)	456 (4.95)	482 (2.83)	506 (2.97)	403 (11.54)
SWE	107104	0.23	106861	489 (9.36)	491 (4.64)	522 (2.56)	524 (3.91)	403 (20.38)
CHE	86491	0.14	86370	454 (8.25)	469 (5.41)	505 (3.31)	526 (4.08)	426 (9.34)
TUR	481279	0.03	481137	408 (6.82)	437 (5.36)	452 (6.20)	467 (10.01)	377 (8.97)
GBR	698579	3.61	673362	476 (5.06)	465 (3.91)	504 (3.02)	537 (3.57)	417 (11.20)
USA	3147089	0.76	3123066	435 (7.00)	452 (4.90)	497 (3.10)	527 (3.30)	395 (11.35)
TOT	.	1.35	.	444 (2.35)	460 (1.64)	492 (1.22)	518 (1.32)	377 (3.90)
AVG	.	1.29	.	457 (1.24)	472 (0.97)	501 (0.68)	519 (0.81)	394 (2.97)
HKG	72484	0.21	72334	463 (9.62)	485 (5.44)	514 (3.23)	532 (3.48)	. (.)
IDN	1971476	0.02	1971117	346 (6.44)	371 (4.84)	396 (3.93)	386 (3.68)	317 (7.69)
LVA	33643	0.22	33570	466 (9.24)	468 (6.77)	492 (3.46)	505 (4.73)	434 (14.00)
LIE	338	.	338	. (.)	472 (12.45)	529 (8.51)	561 (5.68)	. (.)
MAC	6546	0.10	6540	479 (9.44)	498 (5.47)	498 (2.87)	508 (10.20)	. (.)
RUS	2153373	0.02	2152991	407 (7.96)	422 (6.77)	444 (4.09)	462 (4.06)	358 (10.14)
YUG	68596	0.57	68202	388 (5.52)	413 (4.44)	421 (3.50)	429 (4.70)	352 (12.09)
THA	637076	.	637076	393 (5.88)	401 (3.86)	425 (3.14)	435 (6.10)	381 (13.66)
TUN	150875	0.07	150770	352 (5.50)	360 (4.45)	391 (3.19)	391 (4.30)	315 (6.40)
URY	33775	0.17	33717	382 (9.17)	415 (6.48)	446 (3.90)	464 (4.88)	337 (7.71)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students cannot work well.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	494 (4.16)	487 (4.24)	526 (2.32)	551 (2.88)	433 (8.75)
AUT	85931	1.08	85003	479 (6.51)	483 (4.43)	503 (3.64)	533 (4.10)	452 (15.46)
BEL	111831	1.79	109825	481 (6.59)	510 (4.36)	546 (2.27)	553 (3.24)	402 (13.22)
CAN	330436	9.70	298375	494 (5.07)	512 (3.24)	538 (1.82)	551 (1.98)	495 (7.98)
CZE	121183	4.11	116203	490 (7.42)	505 (4.25)	528 (3.48)	540 (4.08)	448 (22.30)
DNK	51741	0.65	51406	494 (7.66)	492 (5.13)	520 (2.63)	531 (3.83)	432 (12.79)
FIN	57884	0.07	57845	520 (6.82)	522 (3.44)	544 (2.33)	561 (2.92)	510 (14.03)
FRA	734579	0.87	728167	492 (5.71)	489 (4.71)	515 (3.59)	530 (3.34)	431 (9.29)
DEU	884358	5.57	835070	474 (5.67)	491 (4.97)	516 (3.94)	534 (3.78)	413 (10.75)
GRC	105131	0.13	104991	424 (6.11)	435 (4.45)	452 (3.99)	460 (5.20)	369 (10.43)
HUN	107044	0.06	106984	457 (7.46)	479 (4.19)	490 (3.21)	511 (4.63)	404 (14.24)
ISL	3928	0.63	3903	477 (6.99)	497 (3.79)	525 (1.92)	526 (3.49)	431 (15.42)
IRL	54850	1.03	54285	462 (6.49)	478 (4.02)	508 (2.81)	516 (3.08)	407 (13.96)
ITA	481521	0.38	479699	446 (6.33)	449 (4.80)	465 (3.70)	482 (4.02)	400 (10.42)
JPN	1240054	0.10	1238855	477 (8.31)	508 (5.33)	539 (4.05)	565 (6.81)	453 (15.34)
KOR	533504	.	533504	504 (7.54)	521 (4.80)	547 (2.91)	550 (4.76)	467 (21.19)
LUX	4080	0.08	4077	467 (3.73)	481 (2.82)	508 (1.98)	510 (3.30)	433 (8.38)
MEX	1071650	0.37	1067674	352 (5.98)	378 (4.83)	393 (3.39)	413 (4.87)	306 (5.70)
NLD	184943	3.49	178494	517 (7.32)	535 (4.54)	545 (3.34)	556 (4.17)	478 (9.08)
NZL	48638	2.31	47514	488 (6.94)	489 (4.67)	531 (2.48)	548 (3.05)	434 (17.27)
NOR	52816	0.77	52407	453 (6.86)	490 (3.76)	507 (2.70)	498 (4.56)	417 (9.08)
POL	534900	.	534900	461 (7.49)	470 (4.87)	490 (2.82)	511 (3.41)	400 (17.01)
PRT	96857	0.25	96616	431 (8.67)	435 (5.75)	472 (3.20)	485 (4.21)	419 (11.56)
SVK	77067	0.03	77043	463 (6.70)	489 (4.41)	505 (3.51)	507 (4.49)	410 (23.04)
ESP	344372	0.07	344114	453 (6.03)	465 (3.88)	486 (2.48)	507 (3.31)	425 (10.65)
SWE	107104	0.23	106861	478 (8.36)	483 (4.06)	516 (2.42)	523 (4.15)	415 (16.77)
CHE	86491	0.14	86370	485 (6.24)	500 (5.43)	531 (3.53)	551 (4.17)	457 (10.08)
TUR	481279	0.03	481137	390 (6.98)	419 (5.98)	434 (7.28)	455 (11.82)	350 (8.14)
GBR	698579	3.61	673362	474 (4.74)	464 (3.91)	503 (2.93)	541 (3.41)	427 (10.01)
USA	3147089	0.76	3123066	431 (6.20)	441 (4.50)	485 (3.06)	510 (3.03)	409 (10.79)
TOT	.	1.35	.	449 (2.16)	464 (1.34)	493 (1.20)	516 (1.26)	389 (3.94)
AVG	.	1.29	.	464 (1.19)	479 (0.82)	506 (0.66)	523 (0.83)	409 (2.61)
HKG	72484	0.21	72334	505 (10.98)	522 (6.87)	554 (3.98)	578 (4.87)	. (.)
IDN	1971476	0.02	1971117	322 (5.79)	347 (5.18)	376 (4.61)	362 (4.23)	302 (6.46)
LVA	33643	0.22	33570	454 (8.39)	467 (6.79)	483 (3.91)	499 (4.13)	427 (11.83)
LIE	338	.	338	. (.)	484 (13.56)	534 (9.22)	576 (7.46)	. (.)
MAC	6546	0.10	6540	503 (13.26)	530 (7.14)	527 (3.77)	543 (13.92)	. (.)
RUS	2153373	0.02	2152991	433 (8.39)	449 (5.38)	467 (4.62)	491 (4.40)	404 (8.35)
YUG	68596	0.57	68202	410 (6.00)	439 (4.65)	445 (3.78)	458 (4.95)	373 (9.74)
THA	637076	.	637076	391 (6.65)	400 (3.57)	421 (3.14)	436 (6.18)	375 (12.51)
TUN	150875	0.07	150770	343 (4.64)	349 (3.53)	370 (3.09)	371 (4.37)	312 (4.40)
URY	33775	0.17	33717	377 (6.34)	409 (4.78)	436 (3.71)	444 (4.17)	333 (6.07)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students cannot work well.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	495 (5.38)	485 (4.08)	527 (2.34)	553 (2.70)	432 (7.59)
AUT	85931	1.08	85003	463 (5.81)	466 (5.00)	488 (4.16)	521 (3.97)	438 (18.84)
BEL	111831	1.79	109825	461 (7.19)	491 (4.71)	524 (2.29)	531 (3.34)	381 (12.53)
CAN	330436	9.70	298375	477 (5.66)	494 (3.49)	526 (2.07)	540 (2.18)	474 (9.21)
CZE	121183	4.11	116203	496 (7.32)	512 (4.37)	535 (3.20)	544 (4.78)	449 (24.45)
DNK	51741	0.65	51406	459 (9.99)	452 (5.73)	482 (2.98)	493 (4.22)	370 (15.28)
FIN	57884	0.07	57845	526 (7.92)	523 (3.82)	547 (2.44)	566 (3.08)	525 (15.10)
FRA	734579	0.87	728167	492 (8.18)	486 (5.66)	515 (4.43)	533 (3.84)	429 (14.21)
DEU	884358	5.57	835070	471 (6.36)	486 (5.75)	519 (4.23)	535 (3.88)	402 (11.91)
GRC	105131	0.13	104991	461 (7.15)	473 (4.62)	488 (3.98)	495 (4.97)	402 (11.06)
HUN	107044	0.06	106984	483 (8.51)	497 (4.11)	503 (3.02)	520 (4.83)	421 (14.43)
ISL	3928	0.63	3903	466 (7.38)	480 (4.24)	503 (2.09)	505 (3.84)	398 (15.30)
IRL	54850	1.03	54285	470 (7.61)	479 (4.87)	509 (3.22)	518 (3.39)	430 (15.08)
ITA	481521	0.38	479699	463 (7.41)	466 (6.01)	484 (3.84)	509 (3.58)	412 (11.69)
JPN	1240054	0.10	1238855	487 (8.63)	520 (5.70)	553 (3.98)	582 (6.79)	440 (14.53)
KOR	533504	.	533504	504 (8.33)	516 (5.21)	543 (3.25)	546 (5.12)	467 (22.74)
LUX	4080	0.08	4077	459 (4.29)	470 (3.47)	497 (2.72)	501 (3.55)	404 (11.04)
MEX	1071650	0.37	1067674	377 (5.67)	397 (4.45)	411 (3.17)	430 (5.29)	338 (6.68)
NLD	184943	3.49	178494	498 (8.12)	523 (4.70)	529 (3.75)	544 (4.54)	467 (10.85)
NZL	48638	2.31	47514	495 (7.29)	489 (4.95)	528 (2.69)	543 (3.30)	420 (23.19)
NOR	52816	0.77	52407	437 (8.49)	479 (4.52)	498 (3.09)	487 (5.06)	387 (10.84)
POL	534900	.	534900	461 (8.94)	476 (5.60)	497 (3.41)	519 (3.60)	431 (18.57)
PRT	96857	0.25	96616	439 (9.39)	439 (5.69)	474 (3.28)	485 (4.26)	409 (13.81)
SVK	77067	0.03	77043	466 (7.34)	482 (5.88)	502 (3.60)	509 (4.46)	394 (20.19)
ESP	344372	0.07	344114	450 (7.41)	463 (4.47)	489 (2.93)	512 (3.27)	416 (13.89)
SWE	107104	0.23	106861	477 (10.35)	478 (4.60)	515 (3.02)	516 (5.16)	409 (19.62)
CHE	86491	0.14	86370	464 (9.69)	482 (5.62)	518 (3.91)	541 (4.44)	447 (9.61)
TUR	481279	0.03	481137	399 (6.68)	428 (5.29)	444 (6.65)	465 (10.39)	378 (7.11)
GBR	698579	3.61	673362	486 (5.80)	474 (4.19)	514 (3.25)	552 (3.65)	416 (12.88)
USA	3147089	0.76	3123066	440 (7.10)	449 (4.55)	493 (3.29)	520 (3.21)	400 (13.42)
TOT	.	1.35	.	456 (2.40)	470 (1.39)	500 (1.22)	524 (1.25)	394 (3.89)
AVG	.	1.29	.	465 (1.40)	478 (0.86)	505 (0.66)	524 (0.82)	407 (2.51)
HKG	72484	0.21	72334	495 (10.59)	515 (6.31)	543 (3.77)	563 (4.26)	. (.)
IDN	1971476	0.02	1971117	369 (4.99)	385 (4.53)	406 (3.81)	397 (3.64)	350 (5.15)
LVA	33643	0.22	33570	468 (9.59)	472 (5.94)	489 (4.12)	503 (4.61)	421 (14.05)
LIE	338	.	338	. (.)	469 (14.36)	525 (9.04)	567 (8.49)	. (.)
MAC	6546	0.10	6540	499 (12.47)	522 (6.74)	526 (3.52)	538 (15.21)	. (.)
RUS	2153373	0.02	2152991	454 (8.56)	469 (6.52)	489 (4.43)	512 (4.37)	409 (9.54)
YUG	68596	0.57	68202	409 (5.97)	438 (4.32)	441 (3.53)	459 (4.91)	395 (11.59)
THA	637076	.	637076	401 (6.71)	415 (3.38)	433 (3.09)	443 (6.05)	404 (11.77)
TUN	150875	0.07	150770	369 (4.64)	373 (4.13)	398 (3.14)	401 (4.35)	322 (5.51)
URY	33775	0.17	33717	395 (7.72)	423 (6.10)	450 (3.70)	462 (4.02)	355 (5.64)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students cannot work well.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	503 (4.45)	496 (3.73)	531 (2.47)	554 (2.87)	442 (9.64)
AUT	85931	1.08	85003	479 (5.87)	484 (4.45)	503 (3.48)	533 (3.91)	451 (14.57)
BEL	111831	1.79	109825	477 (6.67)	505 (4.25)	541 (2.20)	546 (3.19)	413 (8.66)
CAN	330436	9.70	298375	489 (4.77)	507 (3.30)	536 (1.80)	549 (2.06)	492 (6.99)
CZE	121183	4.11	116203	491 (7.01)	506 (4.31)	528 (3.21)	539 (4.17)	449 (24.26)
DNK	51741	0.65	51406	498 (7.24)	496 (4.90)	523 (2.51)	532 (3.59)	434 (13.52)
FIN	57884	0.07	57845	528 (7.07)	527 (3.70)	547 (2.31)	563 (2.93)	520 (12.65)
FRA	734579	0.87	728167	499 (5.91)	497 (4.80)	522 (3.83)	540 (3.26)	439 (11.59)
DEU	884358	5.57	835070	479 (5.61)	497 (4.76)	525 (3.78)	542 (3.77)	424 (11.27)
GRC	105131	0.13	104991	420 (6.82)	438 (4.44)	456 (4.15)	465 (5.68)	371 (11.25)
HUN	107044	0.06	106984	463 (8.26)	489 (4.08)	501 (3.15)	524 (4.69)	430 (14.24)
ISL	3928	0.63	3903	468 (6.09)	486 (3.63)	514 (1.97)	518 (3.52)	415 (15.54)
IRL	54850	1.03	54285	463 (6.70)	476 (3.87)	504 (2.69)	509 (3.08)	398 (13.37)
ITA	481521	0.38	479699	445 (7.29)	448 (5.27)	469 (3.73)	492 (3.35)	378 (13.28)
JPN	1240054	0.10	1238855	484 (8.65)	521 (5.31)	553 (3.98)	578 (6.45)	456 (20.06)
KOR	533504	.	533504	513 (7.57)	531 (4.46)	555 (2.76)	559 (4.39)	464 (21.26)
LUX	4080	0.08	4077	470 (4.11)	481 (3.09)	508 (2.14)	509 (3.19)	436 (9.74)
MEX	1071650	0.37	1067674	349 (7.87)	375 (5.43)	393 (3.86)	416 (6.08)	298 (6.50)
NLD	184943	3.49	178494	495 (7.41)	514 (4.62)	526 (3.40)	537 (4.20)	454 (10.55)
NZL	48638	2.31	47514	504 (6.65)	501 (4.99)	540 (2.38)	555 (2.80)	438 (19.11)
NOR	52816	0.77	52407	438 (8.53)	481 (4.31)	503 (3.09)	494 (5.44)	427 (10.89)
POL	534900	.	534900	457 (8.17)	466 (4.98)	487 (3.11)	507 (3.42)	388 (23.27)
PRT	96857	0.25	96616	429 (10.42)	440 (6.38)	477 (3.59)	489 (4.81)	414 (11.82)
SVK	77067	0.03	77043	455 (7.09)	482 (5.03)	499 (3.35)	500 (4.85)	417 (24.16)
ESP	344372	0.07	344114	443 (6.80)	457 (4.64)	483 (2.74)	508 (3.43)	423 (10.39)
SWE	107104	0.23	106861	475 (8.64)	484 (4.41)	515 (2.50)	522 (3.86)	435 (16.46)
CHE	86491	0.14	86370	484 (7.01)	498 (5.10)	526 (3.15)	544 (3.83)	441 (10.32)
TUR	481279	0.03	481137	376 (7.13)	406 (5.50)	418 (6.41)	434 (10.74)	338 (8.54)
GBR	698579	3.61	673362	474 (5.26)	467 (3.95)	506 (2.98)	541 (3.20)	439 (10.23)
USA	3147089	0.76	3123066	421 (6.29)	434 (4.31)	478 (3.18)	508 (3.27)	400 (11.64)
TOT	.	1.35	.	447 (2.33)	464 (1.41)	494 (1.27)	518 (1.31)	385 (4.23)
AVG	.	1.29	.	463 (1.39)	478 (0.90)	506 (0.68)	524 (0.80)	407 (2.77)
HKG	72484	0.21	72334	508 (11.24)	524 (6.71)	551 (3.66)	572 (4.16)	. (.)
IDN	1971476	0.02	1971117	329 (5.34)	350 (4.70)	375 (4.20)	364 (3.41)	308 (4.99)
LVA	33643	0.22	33570	451 (8.54)	461 (6.91)	482 (4.12)	501 (4.58)	421 (14.98)
LIE	338	.	338	. (.)	476 (12.41)	529 (8.77)	569 (7.21)	. (.)
MAC	6546	0.10	6540	492 (13.25)	534 (7.09)	533 (3.37)	545 (11.76)	. (.)
RUS	2153373	0.02	2152991	439 (9.95)	456 (6.23)	479 (4.61)	502 (4.93)	396 (11.13)
YUG	68596	0.57	68202	392 (5.83)	425 (4.46)	430 (3.28)	439 (4.56)	350 (10.18)
THA	637076	.	637076	402 (6.01)	409 (3.65)	429 (2.84)	439 (6.79)	391 (14.25)
TUN	150875	0.07	150770	331 (3.97)	335 (3.59)	355 (2.56)	355 (3.56)	308 (4.81)
URY	33775	0.17	33717	365 (8.51)	394 (6.21)	426 (4.15)	434 (4.66)	313 (5.76)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives students an opportunity to express opinions.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	(SE)	Most Lessons %	(SE)	Some Lessons %	(SE)	Never or hardly Ever %	(SE)	Missing %	(SE)
AUS	235591	0.40	234649	21.52	(0.53)	40.03	(0.52)	25.17	(0.47)	11.21	(0.39)	2.06	(0.19)
AUT	85931	1.08	85003	18.98	(0.78)	31.92	(0.94)	28.49	(0.83)	18.23	(0.89)	2.38	(0.78)
BEL	111831	1.79	109825	19.78	(0.68)	30.69	(0.59)	29.74	(0.51)	15.21	(0.51)	4.59	(0.55)
CAN	330436	9.70	298375	23.26	(0.46)	37.28	(0.61)	25.25	(0.48)	11.39	(0.35)	2.82	(0.19)
CZE	121183	4.11	116203	21.76	(0.83)	34.49	(0.91)	27.87	(0.86)	14.37	(0.94)	1.50	(0.38)
DNK	51741	0.65	51406	22.98	(0.77)	44.08	(0.84)	23.38	(0.76)	6.75	(0.49)	2.82	(0.32)
FIN	57884	0.07	57845	20.17	(0.87)	40.76	(0.76)	27.92	(0.76)	9.86	(0.58)	1.29	(0.18)
FRA	734579	0.87	728167	20.06	(0.68)	28.73	(0.80)	29.35	(0.90)	19.49	(0.76)	2.37	(0.30)
DEU	884358	5.57	835070	20.40	(0.75)	31.61	(0.77)	28.68	(0.86)	16.69	(0.79)	2.62	(0.41)
GRC	105131	0.13	104991	33.28	(0.81)	35.79	(0.84)	20.38	(0.70)	7.48	(0.56)	3.07	(0.54)
HUN	107044	0.06	106984	24.15	(0.87)	36.69	(0.78)	26.56	(0.84)	11.13	(0.66)	1.47	(0.20)
ISL	3928	0.63	3903	17.78	(0.68)	40.51	(0.78)	26.95	(0.75)	13.38	(0.60)	1.39	(0.22)
IRL	54850	1.03	54285	19.92	(0.73)	28.88	(0.73)	26.69	(0.76)	22.80	(0.90)	1.71	(0.26)
ITA	481521	0.38	479699	27.70	(0.73)	32.85	(0.57)	25.10	(0.59)	12.92	(0.55)	1.43	(0.19)
JPN	1240054	0.10	1238855	14.96	(0.78)	30.96	(0.90)	33.26	(0.80)	19.47	(0.93)	1.35	(0.31)
KOR	533504	.	533504	12.72	(0.54)	36.12	(0.77)	39.13	(0.76)	11.42	(0.46)	0.61	(0.10)
LUX	4080	0.08	4077	20.85	(0.53)	35.76	(0.76)	22.60	(0.60)	17.07	(0.58)	3.73	(0.29)
MEX	1071650	0.37	1067674	36.68	(0.89)	30.50	(0.70)	19.61	(0.55)	5.14	(0.37)	8.06	(0.70)
NLD	184943	3.42	178625	15.19	(0.64)	36.52	(0.80)	29.15	(0.89)	15.62	(0.69)	3.52	(0.49)
NZL	48638	2.31	47514	19.68	(0.72)	38.70	(0.86)	26.41	(0.72)	14.23	(0.69)	0.98	(0.13)
NOR	52816	0.77	52407	15.90	(0.65)	39.52	(0.89)	28.25	(0.77)	12.45	(0.68)	3.89	(0.49)
POL	534900	.	534900	17.87	(0.67)	36.05	(0.77)	33.09	(0.83)	11.67	(0.58)	1.32	(0.22)
PRT	96857	0.25	96616	27.09	(0.77)	39.22	(0.90)	24.14	(0.84)	7.84	(0.62)	1.72	(0.27)
SVK	77067	0.03	77043	25.87	(0.93)	33.11	(0.77)	27.04	(0.79)	12.43	(0.65)	1.56	(0.47)
ESP	344372	0.07	344114	22.73	(0.69)	35.37	(0.76)	27.05	(0.58)	12.11	(0.59)	2.74	(0.32)
SWE	107104	0.23	106861	20.54	(0.68)	39.97	(0.74)	27.26	(0.79)	10.29	(0.51)	1.96	(0.24)
CHE	86491	0.14	86370	31.78	(0.72)	35.28	(0.74)	20.62	(0.59)	9.94	(0.56)	2.38	(0.25)
TUR	481279	0.03	481137	32.44	(1.21)	31.41	(0.87)	20.70	(0.79)	6.80	(0.51)	8.65	(1.22)
GBR	698579	3.61	673362	20.00	(0.66)	36.31	(0.76)	25.92	(0.68)	15.77	(0.74)	2.00	(0.19)
USA	3147089	0.76	3123066	27.06	(0.73)	34.18	(0.74)	23.53	(0.54)	12.48	(0.55)	2.77	(0.38)
TOT	.	1.35	.	23.70	(0.23)	33.57	(0.25)	26.62	(0.20)	13.12	(0.19)	2.99	(0.13)
AVG	.	1.29	.	22.45	(0.13)	35.44	(0.14)	26.64	(0.14)	12.84	(0.12)	2.63	(0.07)
HKG	72484	0.21	72334	17.18	(0.64)	42.95	(0.86)	32.70	(0.82)	6.82	(0.49)	0.33	(.)
IDN	1971476	0.02	1971117	46.40	(1.09)	30.56	(0.79)	15.92	(0.72)	2.12	(0.21)	5.00	(0.55)
LVA	33643	0.22	33570	24.95	(0.99)	38.54	(0.94)	27.39	(1.02)	7.90	(0.52)	1.22	(0.21)
LIE	338	.	338	31.93	(2.58)	33.18	(2.28)	21.35	(2.27)	12.93	(1.76)	0.61	(.)
MAC	6546	0.10	6540	18.83	(1.29)	37.89	(1.59)	36.87	(1.49)	6.10	(0.82)	0.31	(.)
RUS	2153373	0.02	2152991	32.74	(1.13)	36.09	(0.93)	22.05	(0.62)	6.65	(0.48)	2.47	(0.33)
YUG	68596	0.57	68202	25.07	(0.84)	25.91	(0.81)	28.79	(0.77)	12.48	(0.66)	7.75	(0.98)
THA	637076	.	637076	40.80	(1.02)	37.29	(0.78)	18.60	(0.94)	2.29	(0.21)	1.03	(0.16)
TUN	150875	0.07	150770	32.87	(0.90)	24.87	(0.73)	21.50	(0.70)	13.16	(0.82)	7.60	(0.56)
URY	33775	0.17	33717	35.92	(1.05)	31.55	(0.77)	18.46	(0.68)	6.98	(0.47)	7.09	(0.61)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives students an opportunity to express opinions.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	536 (3.14)	528 (2.43)	524 (2.96)	522 (4.74)	417 (8.70)
AUT	85931	1.08	85003	493 (5.27)	489 (4.39)	495 (4.87)	505 (4.80)	439 (28.82)
BEL	111831	1.79	109825	507 (4.33)	520 (2.78)	518 (3.35)	526 (4.06)	361 (16.73)
CAN	330436	9.70	298375	536 (2.32)	533 (2.02)	530 (2.11)	527 (3.27)	495 (8.47)
CZE	121183	4.11	116203	494 (4.76)	499 (3.21)	499 (3.95)	495 (4.50)	420 (25.96)
DNK	51741	0.65	51406	498 (4.03)	501 (3.43)	490 (3.66)	482 (6.52)	378 (14.20)
FIN	57884	0.07	57845	548 (3.04)	543 (1.97)	543 (2.74)	545 (4.21)	491 (16.21)
FRA	734579	0.87	728167	492 (4.16)	501 (4.32)	500 (3.52)	504 (4.27)	395 (13.52)
DEU	884358	5.57	835070	494 (5.35)	503 (4.48)	513 (4.16)	510 (5.05)	356 (12.71)
GRC	105131	0.13	104991	478 (4.48)	477 (5.16)	476 (5.38)	466 (7.18)	341 (15.59)
HUN	107044	0.06	106984	493 (3.91)	484 (3.57)	477 (3.45)	476 (4.98)	374 (16.21)
ISL	3928	0.63	3903	496 (4.49)	499 (2.47)	490 (3.66)	485 (4.44)	354 (18.64)
IRL	54850	1.03	54285	516 (4.42)	517 (3.68)	517 (3.98)	518 (3.44)	401 (17.31)
ITA	481521	0.38	479699	459 (4.56)	482 (3.51)	485 (3.80)	488 (4.09)	386 (16.86)
JPN	1240054	0.10	1238855	504 (5.94)	501 (4.82)	499 (4.73)	500 (5.83)	341 (23.12)
KOR	533504	.	533504	536 (4.87)	539 (3.70)	536 (2.90)	521 (4.65)	376 (30.57)
LUX	4080	0.08	4077	462 (4.26)	490 (2.45)	487 (3.34)	492 (3.68)	376 (11.57)
MEX	1071650	0.37	1067674	410 (4.25)	409 (5.06)	406 (4.23)	412 (8.81)	299 (6.91)
NLD	184943	3.42	178625	520 (4.02)	522 (3.01)	514 (3.64)	518 (4.66)	482 (8.95)
NZL	48638	2.31	47514	530 (4.58)	522 (3.15)	523 (3.70)	530 (4.94)	420 (19.54)
NOR	52816	0.77	52407	510 (4.01)	513 (3.75)	499 (4.14)	478 (5.83)	411 (13.17)
POL	534900	.	534900	502 (3.72)	499 (3.17)	491 (4.03)	509 (5.25)	375 (19.76)
PRT	96857	0.25	96616	475 (4.38)	479 (4.42)	479 (5.53)	490 (7.00)	430 (17.15)
SVK	77067	0.03	77043	458 (4.33)	471 (3.92)	480 (3.55)	477 (6.17)	359 (31.58)
ESP	344372	0.07	344114	477 (3.75)	484 (2.82)	485 (3.76)	487 (5.00)	391 (12.68)
SWE	107104	0.23	106861	519 (3.83)	518 (3.31)	516 (2.75)	507 (5.74)	427 (17.25)
CHE	86491	0.14	86370	503 (4.33)	497 (3.10)	504 (4.78)	505 (8.06)	409 (13.83)
TUR	481279	0.03	481137	451 (6.95)	451 (6.25)	438 (6.51)	439 (7.96)	376 (9.36)
GBR	698579	3.61	673362	516 (4.04)	510 (3.21)	506 (3.81)	498 (3.98)	412 (11.73)
USA	3147089	0.76	3123066	505 (4.00)	500 (3.59)	496 (3.57)	487 (5.37)	389 (13.17)
TOT	.	1.35	.	486 (1.61)	494 (1.52)	494 (1.27)	495 (1.97)	367 (4.28)
AVG	.	1.29	.	492 (0.95)	500 (0.75)	499 (0.76)	501 (0.97)	387 (3.12)
HKG	72484	0.21	72334	510 (4.43)	512 (4.16)	509 (4.05)	505 (7.78)	. (.)
IDN	1971476	0.02	1971117	385 (3.12)	382 (4.02)	396 (5.38)	371 (10.07)	306 (7.85)
LVA	33643	0.22	33570	483 (5.16)	495 (4.25)	491 (3.97)	505 (8.12)	408 (14.93)
LIE	338	.	338	543 (9.26)	517 (9.81)	513 (10.68)	524 (13.52)	. (.)
MAC	6546	0.10	6540	497 (6.52)	498 (3.60)	497 (4.04)	506 (7.92)	. (.)
RUS	2153373	0.02	2152991	447 (4.37)	447 (4.49)	441 (4.40)	438 (6.28)	326 (8.91)
YUG	68596	0.57	68202	405 (4.14)	421 (4.01)	419 (3.93)	430 (5.51)	350 (12.62)
THA	637076	.	637076	427 (2.94)	417 (3.04)	413 (4.51)	423 (10.61)	379 (16.26)
TUN	150875	0.07	150770	372 (4.47)	375 (4.25)	388 (3.97)	395 (5.05)	313 (7.50)
URY	33775	0.17	33717	437 (4.32)	438 (4.99)	457 (5.16)	452 (9.39)	325 (7.46)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives students an opportunity to express opinions.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	535 (2.82)	528 (2.33)	520 (2.55)	518 (4.53)	433 (8.30)
AUT	85931	1.08	85003	509 (4.92)	508 (4.33)	509 (4.02)	510 (4.20)	451 (17.02)
BEL	111831	1.79	109825	525 (4.04)	543 (2.65)	541 (3.18)	547 (3.03)	393 (14.42)
CAN	330436	9.70	298375	539 (2.63)	538 (2.03)	534 (2.25)	531 (3.10)	508 (8.01)
CZE	121183	4.11	116203	520 (4.73)	529 (3.66)	524 (4.38)	516 (4.72)	445 (26.61)
DNK	51741	0.65	51406	517 (3.87)	522 (2.86)	512 (3.82)	503 (6.68)	422 (12.88)
FIN	57884	0.07	57845	543 (3.36)	547 (2.29)	543 (2.53)	545 (4.27)	504 (17.45)
FRA	734579	0.87	728167	508 (4.32)	518 (3.48)	515 (3.45)	513 (3.52)	417 (11.80)
DEU	884358	5.57	835070	504 (5.03)	517 (4.13)	520 (4.11)	513 (5.37)	391 (11.54)
GRC	105131	0.13	104991	444 (3.94)	450 (4.72)	450 (5.21)	446 (5.66)	364 (11.86)
HUN	107044	0.06	106984	498 (4.29)	496 (3.80)	485 (3.45)	479 (5.35)	391 (13.19)
ISL	3928	0.63	3903	514 (3.81)	522 (2.39)	513 (3.43)	511 (3.88)	421 (16.21)
IRL	54850	1.03	54285	498 (4.61)	507 (3.42)	505 (3.71)	505 (3.68)	399 (12.80)
ITA	481521	0.38	479699	447 (4.28)	473 (3.50)	474 (3.59)	479 (4.27)	396 (12.53)
JPN	1240054	0.10	1238855	534 (7.37)	540 (4.99)	535 (4.39)	534 (5.49)	418 (19.18)
KOR	533504	.	533504	541 (5.69)	547 (3.79)	543 (3.26)	530 (5.12)	449 (17.61)
LUX	4080	0.08	4077	477 (3.15)	503 (2.29)	497 (2.81)	501 (3.46)	435 (8.51)
MEX	1071650	0.37	1067674	392 (3.90)	395 (4.45)	389 (4.25)	398 (7.36)	303 (6.06)
NLD	184943	3.42	178625	544 (4.75)	552 (3.19)	541 (3.95)	541 (4.24)	475 (8.49)
NZL	48638	2.31	47514	527 (4.05)	528 (2.71)	524 (3.31)	528 (4.59)	445 (14.16)
NOR	52816	0.77	52407	498 (3.58)	509 (3.48)	494 (3.66)	478 (4.43)	415 (9.12)
POL	534900	.	534900	495 (3.98)	495 (2.88)	484 (3.38)	499 (4.83)	382 (14.74)
PRT	96857	0.25	96616	459 (4.04)	468 (3.84)	470 (5.26)	479 (6.23)	423 (11.95)
SVK	77067	0.03	77043	481 (4.05)	505 (3.93)	508 (3.89)	506 (6.60)	410 (29.99)
ESP	344372	0.07	344114	479 (3.66)	491 (2.58)	488 (3.44)	489 (4.30)	411 (10.96)
SWE	107104	0.23	106861	511 (4.11)	513 (3.15)	511 (2.90)	504 (6.50)	430 (14.59)
CHE	86491	0.14	86370	528 (4.54)	527 (3.24)	532 (5.20)	532 (8.60)	439 (12.53)
TUR	481279	0.03	481137	431 (7.83)	435 (7.75)	422 (7.01)	427 (9.13)	351 (8.74)
GBR	698579	3.61	673362	516 (3.89)	512 (2.95)	507 (3.92)	498 (3.96)	422 (10.56)
USA	3147089	0.76	3123066	486 (3.55)	489 (3.31)	485 (3.60)	477 (4.93)	403 (12.11)
TOT	.	1.35	.	480 (1.58)	497 (1.26)	497 (1.23)	499 (1.80)	379 (4.09)
AVG	.	1.29	.	493 (0.95)	508 (0.67)	505 (0.77)	506 (0.96)	403 (2.69)
HKG	72484	0.21	72334	551 (5.97)	552 (5.07)	551 (4.56)	545 (9.09)	. (.)
IDN	1971476	0.02	1971117	361 (3.57)	363 (4.51)	376 (6.32)	346 (9.85)	293 (6.75)
LVA	33643	0.22	33570	475 (5.01)	490 (3.92)	482 (3.84)	494 (7.25)	411 (12.08)
LIE	338	.	338	559 (9.11)	529 (9.45)	514 (11.22)	530 (15.60)	. (.)
MAC	6546	0.10	6540	524 (6.72)	529 (4.93)	524 (5.11)	550 (9.66)	. (.)
RUS	2153373	0.02	2152991	473 (4.86)	475 (4.80)	464 (5.02)	460 (5.36)	374 (9.03)
YUG	68596	0.57	68202	427 (3.80)	451 (4.29)	443 (3.74)	456 (6.44)	372 (10.31)
THA	637076	.	637076	422 (3.35)	415 (3.43)	413 (4.16)	426 (10.28)	377 (14.84)
TUN	150875	0.07	150770	357 (3.35)	362 (3.57)	367 (3.77)	373 (4.03)	309 (4.76)
URY	33775	0.17	33717	417 (3.65)	432 (3.93)	443 (5.26)	448 (5.58)	325 (6.48)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives students an opportunity to express opinions.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	537 (3.16)	529 (2.43)	521 (2.72)	519 (4.47)	434 (7.45)
AUT	85931	1.08	85003	493 (5.22)	492 (4.41)	493 (4.42)	500 (4.28)	440 (20.48)
BEL	111831	1.79	109825	507 (4.06)	521 (2.85)	518 (3.18)	528 (3.40)	372 (13.97)
CAN	330436	9.70	298375	526 (2.55)	525 (2.44)	521 (2.49)	519 (3.68)	489 (9.48)
CZE	121183	4.11	116203	527 (5.04)	534 (3.42)	529 (4.43)	524 (5.21)	442 (29.44)
DNK	51741	0.65	51406	477 (4.67)	485 (3.48)	473 (4.09)	472 (7.26)	351 (12.92)
FIN	57884	0.07	57845	555 (3.97)	549 (2.33)	546 (3.02)	546 (4.94)	525 (18.30)
FRA	734579	0.87	728167	506 (5.30)	517 (4.55)	514 (4.15)	520 (4.81)	419 (16.47)
DEU	884358	5.57	835070	502 (5.52)	516 (4.78)	521 (4.51)	516 (5.58)	379 (12.34)
GRC	105131	0.13	104991	479 (4.27)	486 (4.47)	490 (5.51)	482 (6.08)	391 (12.67)
HUN	107044	0.06	106984	512 (3.87)	507 (3.69)	498 (3.83)	498 (5.39)	405 (14.37)
ISL	3928	0.63	3903	498 (3.84)	501 (2.70)	493 (3.68)	488 (4.41)	396 (16.55)
IRL	54850	1.03	54285	502 (4.79)	509 (3.99)	506 (4.34)	508 (4.04)	424 (14.29)
ITA	481521	0.38	479699	469 (4.88)	495 (3.70)	494 (3.98)	498 (4.92)	398 (15.69)
JPN	1240054	0.10	1238855	554 (7.01)	554 (5.23)	548 (4.72)	544 (5.68)	402 (19.56)
KOR	533504	.	533504	537 (5.97)	543 (4.18)	540 (3.63)	524 (5.53)	453 (19.15)
LUX	4080	0.08	4077	467 (4.31)	492 (2.88)	488 (3.31)	492 (3.76)	401 (11.41)
MEX	1071650	0.37	1067674	410 (3.74)	412 (4.06)	410 (4.11)	416 (7.99)	335 (6.04)
NLD	184943	3.42	178625	531 (5.03)	536 (3.62)	526 (4.23)	527 (5.50)	464 (9.96)
NZL	48638	2.31	47514	527 (4.80)	524 (2.90)	520 (3.76)	527 (4.86)	426 (17.04)
NOR	52816	0.77	52407	491 (4.36)	500 (4.07)	482 (4.25)	464 (5.39)	384 (10.49)
POL	534900	.	534900	503 (4.55)	501 (3.51)	491 (4.06)	510 (7.23)	416 (16.84)
PRT	96857	0.25	96616	461 (4.47)	470 (3.89)	472 (5.52)	482 (6.86)	407 (13.47)
SVK	77067	0.03	77043	482 (4.56)	499 (5.01)	505 (4.12)	502 (7.35)	384 (26.72)
ESP	344372	0.07	344114	483 (4.14)	492 (2.86)	489 (3.86)	494 (5.01)	405 (15.70)
SWE	107104	0.23	106861	509 (4.35)	509 (3.59)	507 (3.31)	503 (6.20)	430 (16.89)
CHE	86491	0.14	86370	514 (4.90)	512 (3.53)	517 (5.81)	521 (10.20)	436 (12.44)
TUR	481279	0.03	481137	444 (7.11)	442 (6.73)	431 (6.65)	432 (8.55)	378 (7.65)
GBR	698579	3.61	673362	528 (4.03)	524 (3.21)	518 (4.09)	507 (4.66)	410 (12.00)
USA	3147089	0.76	3123066	497 (3.90)	497 (3.42)	492 (3.72)	488 (5.24)	393 (14.26)
TOT	.	1.35	.	490 (1.57)	503 (1.38)	503 (1.26)	506 (1.85)	385 (3.99)
AVG	.	1.29	.	495 (0.90)	506 (0.74)	504 (0.77)	506 (0.91)	400 (2.56)
HKG	72484	0.21	72334	539 (5.60)	541 (4.67)	539 (4.33)	538 (8.64)	. (.)
IDN	1971476	0.02	1971117	396 (3.13)	396 (3.80)	407 (5.22)	385 (9.04)	344 (5.53)
LVA	33643	0.22	33570	484 (5.23)	495 (4.52)	487 (5.00)	497 (7.65)	404 (14.27)
LIE	338	.	338	550 (9.17)	517 (10.68)	504 (12.15)	519 (15.63)	. (.)
MAC	6546	0.10	6540	526 (8.39)	527 (4.87)	520 (5.83)	543 (14.17)	. (.)
RUS	2153373	0.02	2152991	493 (4.54)	497 (4.62)	485 (4.88)	486 (5.79)	381 (9.43)
YUG	68596	0.57	68202	427 (3.60)	445 (4.20)	440 (3.65)	459 (5.77)	395 (12.16)
THA	637076	.	637076	433 (2.88)	427 (3.44)	425 (4.15)	439 (9.74)	408 (14.17)
TUN	150875	0.07	150770	387 (3.14)	385 (3.73)	394 (3.60)	400 (5.15)	321 (6.41)
URY	33775	0.17	33717	436 (3.58)	447 (4.32)	458 (5.11)	457 (7.89)	348 (5.64)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
The teacher gives students an opportunity to express opinions.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	539 (2.81)	533 (2.04)	527 (2.42)	526 (4.57)	444 (8.87)
AUT	85931	1.08	85003	511 (4.70)	509 (4.15)	508 (3.93)	509 (4.03)	451 (15.89)
BEL	111831	1.79	109825	521 (3.89)	538 (2.62)	536 (3.13)	539 (3.11)	405 (9.89)
CAN	330436	9.70	298375	539 (2.47)	536 (1.95)	531 (2.08)	525 (3.31)	506 (7.84)
CZE	121183	4.11	116203	520 (4.64)	528 (3.64)	524 (4.08)	519 (4.73)	444 (28.75)
DNK	51741	0.65	51406	524 (3.57)	525 (2.80)	512 (3.54)	501 (6.18)	420 (13.76)
FIN	57884	0.07	57845	550 (3.46)	549 (2.33)	546 (2.69)	548 (4.52)	517 (15.31)
FRA	734579	0.87	728167	515 (4.21)	526 (3.75)	524 (3.52)	523 (4.13)	422 (14.11)
DEU	884358	5.57	835070	509 (4.70)	522 (4.01)	530 (3.96)	524 (4.96)	400 (12.71)
GRC	105131	0.13	104991	445 (3.80)	453 (5.22)	456 (5.33)	453 (8.41)	367 (13.33)
HUN	107044	0.06	106984	510 (4.65)	506 (3.68)	495 (3.49)	491 (5.30)	416 (12.80)
ISL	3928	0.63	3903	504 (3.59)	511 (2.38)	504 (3.05)	501 (4.18)	407 (17.27)
IRL	54850	1.03	54285	497 (4.01)	503 (3.33)	500 (3.67)	498 (3.42)	393 (12.83)
ITA	481521	0.38	479699	454 (4.43)	477 (3.66)	478 (3.58)	481 (4.07)	369 (15.59)
JPN	1240054	0.10	1238855	545 (6.89)	550 (5.01)	549 (4.73)	552 (5.77)	421 (27.37)
KOR	533504	.	533504	549 (5.18)	554 (3.63)	553 (2.97)	539 (5.17)	455 (19.41)
LUX	4080	0.08	4077	479 (3.55)	503 (2.44)	497 (3.28)	499 (3.45)	436 (9.09)
MEX	1071650	0.37	1067674	392 (4.94)	394 (5.29)	388 (4.73)	399 (8.77)	294 (6.45)
NLD	184943	3.42	178625	527 (4.85)	533 (3.30)	520 (4.02)	519 (4.90)	450 (10.01)
NZL	48638	2.31	47514	533 (4.17)	536 (2.61)	534 (3.36)	541 (4.53)	446 (15.03)
NOR	52816	0.77	52407	496 (4.00)	504 (3.74)	487 (3.96)	469 (5.14)	428 (10.95)
POL	534900	.	534900	493 (3.79)	491 (3.06)	480 (3.70)	495 (4.81)	371 (22.72)
PRT	96857	0.25	96616	465 (4.59)	472 (4.31)	472 (5.68)	481 (7.02)	413 (12.73)
SVK	77067	0.03	77043	476 (4.53)	498 (3.88)	501 (4.24)	497 (6.88)	413 (33.50)
ESP	344372	0.07	344114	477 (3.75)	488 (3.42)	485 (3.69)	486 (4.86)	414 (11.08)
SWE	107104	0.23	106861	509 (3.91)	513 (3.14)	509 (2.72)	504 (5.74)	445 (14.90)
CHE	86491	0.14	86370	525 (4.07)	522 (3.03)	525 (4.86)	526 (7.66)	420 (12.83)
TUR	481279	0.03	481137	416 (7.15)	419 (6.62)	406 (6.55)	409 (8.36)	335 (9.51)
GBR	698579	3.61	673362	516 (3.88)	515 (3.23)	509 (3.69)	500 (3.68)	436 (10.71)
USA	3147089	0.76	3123066	484 (3.78)	482 (3.49)	479 (3.59)	469 (5.17)	391 (12.69)
TOT	.	1.35	.	481 (1.66)	496 (1.42)	499 (1.30)	501 (1.85)	373 (4.39)
AVG	.	1.29	.	493 (1.02)	507 (0.72)	505 (0.73)	506 (0.92)	401 (2.86)
HKG	72484	0.21	72334	550 (5.47)	549 (4.81)	548 (4.36)	544 (8.47)	. (.)
IDN	1971476	0.02	1971117	362 (3.03)	364 (3.88)	377 (5.58)	345 (9.30)	300 (5.92)
LVA	33643	0.22	33570	477 (5.40)	489 (4.24)	482 (4.25)	484 (7.94)	399 (13.78)
LIE	338	.	338	548 (8.45)	525 (9.34)	514 (11.54)	522 (14.44)	. (.)
MAC	6546	0.10	6540	526 (6.44)	536 (5.12)	530 (4.99)	544 (9.68)	. (.)
RUS	2153373	0.02	2152991	483 (5.04)	485 (5.77)	478 (4.89)	469 (6.67)	366 (11.20)
YUG	68596	0.57	68202	410 (3.61)	434 (3.92)	428 (3.49)	441 (5.42)	346 (10.45)
THA	637076	.	637076	431 (3.07)	422 (3.12)	419 (4.43)	430 (11.60)	391 (18.48)
TUN	150875	0.07	150770	342 (2.94)	345 (3.26)	354 (3.53)	357 (4.16)	308 (5.20)
URY	33775	0.17	33717	408 (4.62)	420 (4.33)	432 (5.18)	432 (6.97)	306 (7.09)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?
Students don't start working for a long time after the lesson begins.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson %	(SE)	Most Lessons %	(SE)	Some Lessons %	(SE)	Never or hardly Ever %	(SE)	Missing %	(SE)
AUS	235591	0.40	234649	8.07	(0.30)	18.08	(0.45)	43.50	(0.58)	28.33	(0.80)	2.01	(0.19)
AUT	85931	1.08	85003	10.37	(0.57)	19.44	(0.73)	34.81	(0.84)	33.40	(1.07)	1.98	(0.76)
BEL	111831	1.79	109825	11.59	(0.50)	20.04	(0.60)	36.63	(0.67)	27.39	(0.79)	4.35	(0.55)
CAN	330436	9.70	298375	9.37	(0.31)	20.82	(0.46)	44.05	(0.53)	23.00	(0.54)	2.77	(0.20)
CZE	121183	4.11	116203	8.66	(0.54)	15.96	(0.70)	37.88	(0.80)	36.26	(1.07)	1.24	(0.36)
DNK	51741	0.65	51406	7.99	(0.51)	18.22	(0.61)	47.76	(0.86)	23.41	(0.81)	2.61	(0.29)
FIN	57884	0.07	57845	9.74	(0.51)	21.85	(0.73)	48.76	(0.86)	18.34	(0.79)	1.31	(0.19)
FRA	734579	0.87	728167	17.63	(0.67)	23.31	(0.62)	32.74	(0.70)	24.00	(0.91)	2.32	(0.30)
DEU	884358	5.57	835070	9.68	(0.48)	15.21	(0.63)	31.45	(0.85)	40.93	(0.96)	2.72	(0.42)
GRC	105131	0.13	104991	12.76	(0.62)	25.34	(0.67)	37.79	(0.86)	21.09	(0.68)	3.02	(0.53)
HUN	107044	0.06	106984	6.34	(0.38)	12.20	(0.71)	36.42	(0.79)	43.58	(1.14)	1.46	(0.20)
ISL	3928	0.63	3903	7.31	(0.43)	18.48	(0.63)	52.13	(0.92)	20.88	(0.70)	1.21	(0.21)
IRL	54850	1.03	54285	9.05	(0.57)	11.81	(0.50)	33.56	(0.84)	44.14	(1.19)	1.43	(0.26)
ITA	481521	0.38	479699	13.40	(0.63)	18.74	(0.56)	35.87	(0.73)	30.85	(0.86)	1.14	(0.17)
JPN	1240054	0.10	1238855	4.59	(0.43)	10.70	(0.67)	37.68	(1.01)	45.76	(1.60)	1.27	(0.31)
KOR	533504	.	533504	4.84	(0.36)	16.03	(0.72)	52.07	(0.75)	26.75	(0.88)	0.31	(.)
LUX	4080	0.08	4077	14.72	(0.59)	19.34	(0.62)	35.20	(0.72)	27.35	(0.65)	3.40	(0.30)
MEX	1071650	0.37	1067674	12.75	(0.54)	18.93	(0.62)	36.99	(0.83)	23.60	(0.70)	7.73	(0.66)
NLD	184943	3.42	178625	12.14	(0.69)	25.15	(0.92)	44.49	(0.89)	14.97	(0.90)	3.26	(0.50)
NZL	48638	2.31	47514	10.21	(0.46)	20.94	(0.63)	42.99	(0.74)	25.22	(0.78)	0.64	(.)
NOR	52816	0.77	52407	9.47	(0.51)	25.33	(0.79)	46.24	(0.90)	15.46	(0.74)	3.50	(0.48)
POL	534900	.	534900	8.32	(0.56)	13.74	(0.58)	40.92	(0.77)	35.91	(1.04)	1.12	(0.20)
PRT	96857	0.25	96616	8.01	(0.52)	18.83	(0.81)	40.14	(0.99)	31.60	(0.96)	1.43	(0.26)
SVK	77067	0.03	77043	10.18	(0.65)	17.72	(0.58)	38.93	(0.85)	31.55	(0.80)	1.62	(0.50)
ESP	344372	0.07	344114	11.34	(0.60)	22.35	(0.78)	41.22	(0.88)	22.65	(1.02)	2.44	(0.30)
SWE	107104	23.68	81739	9.23	(0.68)	18.35	(0.78)	49.20	(1.18)	20.22	(1.03)	3.01	(0.50)
CHE	86491	0.14	86370	10.83	(0.60)	19.47	(0.57)	37.34	(0.96)	29.90	(1.07)	2.47	(0.26)
TUR	481279	0.03	481137	11.16	(0.66)	17.16	(0.77)	41.52	(1.21)	21.47	(1.12)	8.68	(1.16)
GBR	698579	3.61	673362	11.11	(0.48)	16.88	(0.59)	39.07	(0.81)	31.07	(0.81)	1.86	(0.18)
USA	3147089	0.76	3123066	8.70	(0.49)	17.50	(0.53)	37.63	(0.89)	33.68	(0.98)	2.49	(0.35)
TOT	.	1.56	.	9.71	(0.19)	17.35	(0.19)	38.50	(0.29)	31.61	(0.35)	2.82	(0.13)
AVG	.	2.07	.	9.99	(0.10)	18.59	(0.11)	40.44	(0.16)	28.49	(0.18)	2.49	(0.08)
HKG	72484	0.21	72334	5.95	(0.45)	13.74	(0.58)	59.79	(0.81)	20.23	(0.80)	0.28	(.)
IDN	1971476	0.02	1971117	8.80	(0.42)	19.15	(0.64)	36.41	(0.90)	29.93	(0.95)	5.71	(0.59)
LVA	33643	0.22	33570	6.04	(0.48)	14.38	(0.78)	42.76	(0.97)	35.81	(1.35)	1.01	(0.18)
LIE	338	.	338	10.51	(1.64)	14.24	(1.79)	35.59	(2.62)	38.74	(2.67)	0.92	(.)
MAC	6546	0.10	6540	5.17	(0.72)	14.42	(1.07)	66.99	(1.62)	13.14	(1.09)	0.27	(.)
RUS	2153373	0.02	2152991	5.02	(0.41)	9.76	(0.48)	35.00	(0.92)	47.81	(1.41)	2.41	(0.34)
YUG	68596	0.55	68217	10.72	(0.56)	15.63	(0.63)	37.98	(0.90)	28.24	(0.95)	7.43	(0.99)
THA	637076	.	637076	8.14	(0.60)	19.45	(0.72)	40.48	(0.97)	30.79	(1.05)	1.15	(0.19)
TUN	150875	0.07	150770	23.54	(0.82)	24.87	(0.63)	25.76	(0.66)	19.61	(0.83)	6.22	(0.51)
URY	33775	0.17	33717	10.64	(0.64)	18.20	(0.63)	35.26	(0.82)	28.67	(0.90)	7.23	(0.62)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students don't start working for a long time after the lesson begins.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	502 (3.84)	500 (3.08)	531 (2.15)	549 (2.51)	416 (9.35)
AUT	85931	1.08	85003	459 (6.60)	471 (5.39)	500 (4.23)	513 (4.03)	441 (31.63)
BEL	111831	1.79	109825	477 (5.54)	496 (3.85)	525 (2.75)	540 (3.01)	353 (17.12)
CAN	330436	9.70	298375	510 (3.02)	513 (2.59)	536 (1.61)	552 (2.11)	496 (8.01)
CZE	121183	4.11	116203	465 (4.93)	474 (4.75)	499 (2.83)	513 (3.33)	397 (30.31)
DNK	51741	0.65	51406	478 (5.97)	483 (4.07)	499 (3.09)	506 (3.47)	379 (16.05)
FIN	57884	0.07	57845	532 (4.49)	536 (2.83)	547 (1.75)	553 (3.26)	497 (16.12)
FRA	734579	0.87	728167	483 (5.18)	488 (3.95)	506 (3.18)	515 (3.39)	393 (14.20)
DEU	884358	5.57	835070	460 (6.57)	465 (5.51)	511 (3.95)	526 (3.37)	360 (12.24)
GRC	105131	0.13	104991	450 (5.44)	471 (4.54)	484 (4.52)	484 (5.24)	350 (15.10)
HUN	107044	0.06	106984	459 (6.73)	460 (5.08)	475 (3.09)	500 (3.36)	369 (16.72)
ISL	3928	0.63	3903	455 (7.62)	478 (4.80)	501 (2.16)	506 (3.48)	341 (18.64)
IRL	54850	1.03	54285	485 (4.92)	491 (4.90)	517 (3.08)	530 (3.45)	396 (19.81)
ITA	481521	0.38	479699	449 (5.88)	459 (5.33)	478 (3.18)	499 (2.98)	372 (18.42)
JPN	1240054	0.10	1238855	437 (9.89)	458 (7.23)	485 (4.34)	529 (4.04)	330 (24.55)
KOR	533504	.	533504	502 (6.61)	515 (4.01)	540 (2.87)	543 (4.09)	. (.)
LUX	4080	0.08	4077	454 (4.42)	466 (3.75)	493 (3.01)	500 (2.84)	364 (11.74)
MEX	1071650	0.37	1067674	372 (5.75)	395 (4.57)	417 (4.20)	425 (5.51)	299 (7.06)
NLD	184943	3.42	178625	505 (4.49)	510 (4.24)	525 (2.85)	524 (4.59)	486 (9.99)
NZL	48638	2.31	47514	503 (5.60)	497 (4.66)	532 (2.62)	546 (3.77)	. (.)
NOR	52816	0.77	52407	467 (7.00)	488 (4.34)	517 (3.44)	512 (5.24)	409 (14.68)
POL	534900	.	534900	482 (7.59)	476 (5.08)	496 (3.40)	513 (3.25)	358 (20.72)
PRT	96857	0.25	96616	430 (6.47)	449 (5.82)	483 (3.83)	502 (3.46)	436 (19.16)
SVK	77067	0.03	77043	444 (6.15)	457 (4.54)	472 (3.69)	486 (3.57)	357 (31.36)
ESP	344372	0.07	344114	455 (5.34)	471 (4.63)	488 (3.09)	500 (3.76)	378 (11.99)
SWE	107104	23.68	81739	489 (6.59)	512 (4.04)	524 (2.99)	525 (5.50)	449 (12.05)
CHE	86491	0.14	86370	473 (8.54)	471 (4.85)	507 (3.96)	523 (3.59)	419 (12.37)
TUR	481279	0.03	481137	410 (6.29)	429 (5.64)	452 (5.58)	471 (10.52)	374 (9.02)
GBR	698579	3.61	673362	475 (5.53)	479 (3.47)	511 (2.66)	531 (4.39)	420 (13.67)
USA	3147089	0.76	3123066	449 (5.93)	469 (4.80)	501 (2.88)	523 (3.77)	388 (13.71)
TOT	.	1.56	.	452 (2.21)	467 (1.75)	495 (1.16)	515 (1.39)	365 (4.43)
AVG	.	2.07	.	466 (1.23)	478 (0.82)	503 (0.71)	515 (0.83)	385 (3.35)
HKG	72484	0.21	72334	472 (7.26)	488 (6.07)	512 (3.23)	531 (3.46)	. (.)
IDN	1971476	0.02	1971117	355 (5.92)	377 (4.05)	398 (4.06)	386 (3.72)	312 (7.83)
LVA	33643	0.22	33570	464 (6.91)	466 (6.35)	492 (3.98)	506 (4.06)	387 (16.51)
LIE	338	.	338	491 (16.63)	483 (16.34)	521 (8.23)	555 (7.85)	. (.)
MAC	6546	0.10	6540	485 (11.57)	489 (6.13)	499 (2.97)	509 (6.36)	. (.)
RUS	2153373	0.02	2152991	400 (8.63)	411 (5.78)	441 (4.11)	460 (4.22)	328 (8.66)
YUG	68596	0.55	68217	387 (4.58)	415 (4.94)	419 (3.90)	428 (3.92)	348 (13.28)
THA	637076	.	637076	386 (4.98)	393 (3.67)	423 (3.44)	444 (3.63)	367 (16.45)
TUN	150875	0.07	150770	365 (4.17)	372 (4.18)	393 (3.86)	388 (4.66)	304 (8.62)
URY	33775	0.17	33717	401 (7.98)	424 (5.53)	450 (4.64)	461 (4.50)	326 (7.50)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students don't start working for a long time after the lesson begins.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	492 (3.70)	500 (3.15)	529 (2.20)	549 (2.53)	433 (8.88)
AUT	85931	1.08	85003	477 (6.17)	485 (4.96)	515 (3.66)	525 (3.78)	452 (16.91)
BEL	111831	1.79	109825	498 (5.36)	519 (3.08)	546 (2.70)	563 (3.05)	385 (14.58)
CAN	330436	9.70	298375	514 (3.23)	519 (2.50)	539 (1.69)	558 (2.46)	509 (6.91)
CZE	121183	4.11	116203	494 (5.72)	502 (5.16)	526 (3.47)	537 (3.63)	428 (31.85)
DNK	51741	0.65	51406	506 (5.56)	505 (3.75)	519 (3.26)	526 (4.14)	425 (13.44)
FIN	57884	0.07	57845	530 (4.63)	536 (3.00)	547 (2.17)	556 (3.27)	514 (16.36)
FRA	734579	0.87	728167	496 (4.21)	504 (3.28)	520 (3.29)	530 (3.99)	412 (13.09)
DEU	884358	5.57	835070	478 (6.02)	482 (5.43)	519 (3.84)	531 (3.37)	398 (11.17)
GRC	105131	0.13	104991	427 (4.75)	444 (3.86)	454 (4.54)	452 (5.64)	366 (10.91)
HUN	107044	0.06	106984	464 (6.38)	469 (5.05)	484 (3.20)	508 (3.62)	387 (14.46)
ISL	3928	0.63	3903	484 (6.70)	503 (4.22)	522 (2.05)	525 (3.19)	422 (17.61)
IRL	54850	1.03	54285	472 (4.87)	484 (4.55)	504 (3.11)	516 (3.18)	392 (13.56)
ITA	481521	0.38	479699	441 (4.98)	453 (4.32)	470 (3.57)	482 (3.72)	390 (13.26)
JPN	1240054	0.10	1238855	473 (10.31)	497 (7.99)	524 (4.64)	561 (4.22)	414 (19.20)
KOR	533504	.	533504	505 (6.62)	523 (4.56)	548 (3.31)	550 (4.34)	. (.)
LUX	4080	0.08	4077	470 (3.88)	480 (3.20)	504 (2.49)	510 (2.46)	425 (8.58)
MEX	1071650	0.37	1067674	361 (4.65)	382 (4.39)	399 (3.78)	406 (4.42)	303 (5.83)
NLD	184943	3.42	178625	530 (5.32)	540 (4.64)	551 (3.06)	548 (4.88)	475 (9.20)
NZL	48638	2.31	47514	501 (5.59)	498 (4.02)	535 (2.46)	546 (3.67)	. (.)
NOR	52816	0.77	52407	474 (5.42)	487 (3.31)	508 (3.12)	502 (3.99)	414 (10.61)
POL	534900	.	534900	473 (6.29)	475 (4.54)	489 (2.89)	505 (3.15)	370 (15.09)
PRT	96857	0.25	96616	422 (6.11)	442 (5.07)	472 (3.51)	486 (3.35)	431 (13.23)
SVK	77067	0.03	77043	474 (6.24)	490 (4.67)	501 (3.62)	512 (3.71)	404 (29.67)
ESP	344372	0.07	344114	461 (5.14)	481 (3.49)	490 (2.89)	501 (3.54)	402 (11.69)
SWE	107104	23.68	81739	479 (6.78)	504 (4.32)	520 (3.23)	521 (5.70)	452 (11.34)
CHE	86491	0.14	86370	506 (7.46)	502 (5.17)	533 (3.82)	547 (3.99)	450 (12.33)
TUR	481279	0.03	481137	389 (5.88)	407 (5.95)	436 (6.63)	460 (12.03)	348 (8.02)
GBR	698579	3.61	673362	472 (5.35)	480 (3.44)	513 (2.59)	534 (4.03)	429 (11.96)
USA	3147089	0.76	3123066	442 (5.17)	457 (4.32)	490 (2.95)	506 (3.36)	405 (12.59)
TOT	.	1.56	.	453 (1.92)	469 (1.59)	496 (1.16)	515 (1.20)	378 (4.25)
AVG	.	2.07	.	472 (1.15)	486 (0.82)	508 (0.69)	519 (0.82)	401 (2.77)
HKG	72484	0.21	72334	515 (9.25)	526 (7.57)	553 (3.99)	574 (4.61)	. (.)
IDN	1971476	0.02	1971117	334 (4.40)	357 (4.51)	377 (5.02)	362 (3.87)	295 (7.08)
LVA	33643	0.22	33570	459 (7.31)	463 (6.33)	486 (4.09)	495 (4.08)	397 (13.58)
LIE	338	.	338	499 (18.29)	486 (14.75)	536 (8.67)	563 (8.58)	. (.)
MAC	6546	0.10	6540	506 (13.89)	515 (8.58)	530 (3.96)	539 (8.48)	. (.)
RUS	2153373	0.02	2152991	430 (8.36)	437 (5.15)	465 (4.37)	486 (4.64)	380 (8.26)
YUG	68596	0.55	68217	409 (4.66)	441 (4.98)	445 (4.09)	453 (3.94)	369 (10.72)
THA	637076	.	637076	388 (6.48)	392 (3.93)	419 (3.59)	440 (3.54)	368 (13.97)
TUN	150875	0.07	150770	355 (3.57)	356 (3.21)	371 (3.94)	368 (4.38)	303 (5.42)
URY	33775	0.17	33717	396 (5.02)	413 (5.12)	439 (4.02)	442 (4.25)	326 (6.08)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students don't start working for a long time after the lesson begins.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	493 (4.24)	498 (3.07)	530 (2.25)	552 (2.53)	432 (8.47)
AUT	85931	1.08	85003	462 (5.75)	469 (5.33)	500 (3.97)	512 (3.70)	438 (21.71)
BEL	111831	1.79	109825	478 (5.22)	498 (3.31)	524 (2.78)	542 (3.15)	364 (13.96)
CAN	330436	9.70	298375	497 (3.42)	503 (2.71)	527 (1.96)	547 (2.59)	490 (8.87)
CZE	121183	4.11	116203	500 (5.97)	506 (5.15)	533 (3.29)	544 (3.52)	421 (35.47)
DNK	51741	0.65	51406	472 (6.55)	467 (4.40)	481 (3.57)	486 (4.38)	357 (14.45)
FIN	57884	0.07	57845	533 (4.98)	539 (3.16)	552 (2.37)	559 (4.08)	533 (17.32)
FRA	734579	0.87	728167	495 (5.99)	501 (4.45)	523 (3.83)	531 (4.30)	415 (17.12)
DEU	884358	5.57	835070	476 (6.48)	477 (6.17)	521 (4.06)	533 (3.70)	386 (12.35)
GRC	105131	0.13	104991	462 (6.07)	483 (4.07)	491 (4.76)	486 (5.26)	398 (11.96)
HUN	107044	0.06	106984	485 (7.62)	484 (5.17)	496 (3.15)	521 (3.69)	400 (15.11)
ISL	3928	0.63	3903	469 (7.12)	483 (4.45)	502 (2.33)	504 (3.67)	386 (17.97)
IRL	54850	1.03	54285	478 (5.98)	480 (5.26)	506 (3.28)	519 (3.64)	421 (15.18)
ITA	481521	0.38	479699	460 (5.70)	470 (5.08)	489 (3.84)	509 (3.21)	388 (16.79)
JPN	1240054	0.10	1238855	485 (10.92)	507 (8.01)	534 (4.71)	579 (4.34)	388 (20.41)
KOR	533504	.	533504	506 (7.40)	518 (4.95)	544 (3.66)	546 (4.85)	. (.)
LUX	4080	0.08	4077	460 (4.54)	468 (4.04)	495 (2.94)	502 (2.85)	390 (11.84)
MEX	1071650	0.37	1067674	383 (4.64)	401 (3.86)	417 (3.58)	425 (4.65)	335 (6.56)
NLD	184943	3.42	178625	515 (5.35)	523 (4.69)	537 (3.32)	535 (5.87)	464 (11.46)
NZL	48638	2.31	47514	506 (5.62)	496 (4.24)	531 (2.67)	541 (3.84)	. (.)
NOR	52816	0.77	52407	461 (6.70)	475 (4.07)	500 (3.77)	492 (4.90)	382 (12.18)
POL	534900	.	534900	480 (7.62)	479 (5.23)	495 (3.44)	514 (3.55)	414 (17.11)
PRT	96857	0.25	96616	432 (6.38)	443 (5.21)	474 (3.87)	487 (3.46)	412 (15.69)
SVK	77067	0.03	77043	475 (6.60)	482 (6.33)	498 (3.95)	511 (4.17)	373 (30.08)
ESP	344372	0.07	344114	463 (5.53)	480 (4.12)	493 (3.32)	506 (3.50)	394 (15.62)
SWE	107104	23.68	81739	478 (7.00)	504 (4.96)	517 (3.77)	516 (6.47)	450 (12.08)
CHE	86491	0.14	86370	486 (7.31)	484 (5.18)	521 (4.33)	537 (4.14)	450 (12.62)
TUR	481279	0.03	481137	400 (5.97)	418 (5.00)	444 (5.91)	469 (10.85)	374 (7.81)
GBR	698579	3.61	673362	485 (5.76)	488 (3.91)	525 (2.73)	545 (4.39)	420 (14.17)
USA	3147089	0.76	3123066	450 (5.87)	467 (4.66)	498 (3.02)	516 (3.69)	391 (15.17)
TOT	.	1.56	.	460 (2.17)	474 (1.67)	502 (1.17)	524 (1.34)	383 (4.17)
AVG	.	2.07	.	472 (1.19)	483 (0.83)	507 (0.68)	521 (0.85)	398 (2.82)
HKG	72484	0.21	72334	505 (8.77)	518 (7.17)	542 (3.71)	560 (4.49)	. (.)
IDN	1971476	0.02	1971117	375 (4.42)	391 (4.15)	407 (4.06)	398 (3.29)	348 (6.07)
LVA	33643	0.22	33570	468 (7.85)	467 (6.03)	492 (4.35)	502 (4.59)	388 (15.48)
LIE	338	.	338	488 (17.37)	481 (15.47)	524 (9.69)	552 (8.79)	. (.)
MAC	6546	0.10	6540	500 (13.32)	512 (7.98)	527 (4.01)	539 (9.16)	. (.)
RUS	2153373	0.02	2152991	453 (8.18)	457 (5.83)	487 (4.32)	507 (4.51)	384 (9.70)
YUG	68596	0.55	68217	406 (5.15)	438 (5.02)	442 (4.04)	452 (3.76)	393 (12.75)
THA	637076	.	637076	399 (5.74)	405 (3.94)	432 (3.75)	449 (3.25)	398 (13.83)
TUN	150875	0.07	150770	380 (3.83)	383 (3.23)	399 (3.72)	398 (4.17)	309 (7.10)
URY	33775	0.17	33717	413 (5.97)	430 (5.35)	454 (3.73)	458 (3.85)	347 (5.75)

Student Questionnaire – Question 38

Q38 How often do these things happen in your <Mathematics> lessons?

Students don't start working for a long time after the lesson begins.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Every Lesson Mean (SE)	Most Lessons Mean (SE)	Some Lessons Mean (SE)	Never or Hardly Ever Mean (SE)	Missing mean (SE)
AUS	235591	0.40	234649	502 (3.52)	507 (2.81)	534 (2.09)	552 (2.40)	445 (9.41)
AUT	85931	1.08	85003	478 (6.11)	487 (4.73)	515 (3.35)	525 (3.98)	451 (15.63)
BEL	111831	1.79	109825	494 (5.67)	513 (3.15)	541 (2.56)	557 (2.91)	399 (9.55)
CAN	330436	9.70	298375	510 (3.42)	516 (2.54)	537 (1.75)	556 (2.24)	507 (6.75)
CZE	121183	4.11	116203	492 (5.59)	503 (4.72)	526 (3.31)	538 (3.60)	427 (35.48)
DNK	51741	0.65	51406	510 (5.07)	508 (3.58)	521 (2.91)	528 (3.86)	428 (14.97)
FIN	57884	0.07	57845	535 (4.78)	541 (3.18)	550 (2.12)	558 (3.38)	524 (14.89)
FRA	734579	0.87	728167	502 (4.47)	513 (3.57)	529 (3.35)	539 (3.85)	419 (14.96)
DEU	884358	5.57	835070	485 (5.62)	488 (5.29)	527 (4.01)	540 (3.22)	406 (12.50)
GRC	105131	0.13	104991	424 (5.49)	446 (4.25)	460 (4.81)	459 (5.38)	367 (12.50)
HUN	107044	0.06	106984	470 (6.99)	477 (5.42)	495 (3.23)	520 (3.76)	412 (14.05)
ISL	3928	0.63	3903	477 (5.88)	491 (4.13)	512 (2.25)	515 (3.56)	402 (17.21)
IRL	54850	1.03	54285	472 (4.40)	481 (4.29)	500 (3.00)	510 (3.07)	383 (12.47)
ITA	481521	0.38	479699	443 (5.85)	455 (4.76)	474 (3.61)	491 (3.11)	359 (15.68)
JPN	1240054	0.10	1238855	486 (10.20)	508 (8.01)	536 (4.72)	576 (4.25)	410 (29.12)
KOR	533504	.	533504	513 (7.45)	534 (4.21)	556 (2.93)	558 (4.16)	. (.)
LUX	4080	0.08	4077	471 (4.40)	481 (3.26)	504 (2.40)	509 (2.65)	426 (9.47)
MEX	1071650	0.37	1067674	357 (5.54)	382 (5.13)	400 (4.83)	406 (5.26)	294 (6.42)
NLD	184943	3.42	178625	509 (4.99)	519 (4.53)	532 (3.23)	530 (4.80)	451 (10.58)
NZL	48638	2.31	47514	514 (5.31)	510 (4.02)	543 (2.43)	553 (3.51)	. (.)
NOR	52816	0.77	52407	460 (6.23)	479 (3.97)	505 (3.30)	499 (4.97)	428 (12.08)
POL	534900	.	534900	470 (6.92)	471 (4.93)	485 (3.00)	502 (3.29)	362 (24.64)
PRT	96857	0.25	96616	424 (6.92)	445 (5.98)	476 (4.02)	492 (3.65)	420 (14.36)
SVK	77067	0.03	77043	466 (6.30)	483 (4.78)	495 (3.56)	505 (4.17)	413 (31.18)
ESP	344372	0.07	344114	453 (5.53)	474 (4.57)	488 (3.05)	502 (3.82)	402 (11.94)
SWE	107104	23.68	81739	479 (6.73)	502 (3.83)	518 (2.79)	521 (5.30)	458 (10.40)
CHE	86491	0.14	86370	502 (6.47)	498 (4.82)	529 (3.62)	541 (3.67)	430 (12.58)
TUR	481279	0.03	481137	377 (6.40)	395 (5.06)	420 (5.80)	439 (10.84)	335 (8.21)
GBR	698579	3.61	673362	473 (5.19)	483 (3.57)	515 (2.67)	534 (4.02)	442 (11.65)
USA	3147089	0.76	3123066	433 (5.77)	451 (4.56)	483 (3.28)	503 (3.49)	394 (13.04)
TOT	.	1.56	.	451 (2.13)	468 (1.63)	496 (1.31)	518 (1.29)	372 (4.52)
AVG	.	2.07	.	470 (1.21)	485 (0.86)	508 (0.71)	520 (0.79)	399 (2.87)
HKG	72484	0.21	72334	517 (9.15)	527 (6.90)	549 (3.75)	569 (3.91)	. (.)
IDN	1971476	0.02	1971117	338 (4.96)	359 (3.94)	376 (4.43)	363 (3.46)	302 (5.08)
LVA	33643	0.22	33570	458 (8.14)	458 (6.91)	484 (4.14)	498 (4.19)	382 (14.96)
LIE	338	.	338	488 (17.28)	490 (14.82)	527 (8.56)	558 (7.50)	. (.)
MAC	6546	0.10	6540	509 (14.21)	519 (8.40)	535 (3.58)	542 (6.93)	. (.)
RUS	2153373	0.02	2152991	433 (8.86)	446 (6.46)	475 (4.73)	498 (4.87)	365 (11.28)
YUG	68596	0.55	68217	394 (4.88)	426 (5.03)	429 (3.83)	437 (3.91)	344 (11.13)
THA	637076	.	637076	396 (5.89)	403 (4.01)	427 (3.42)	446 (3.36)	380 (18.56)
TUN	150875	0.07	150770	339 (3.38)	343 (3.49)	355 (3.19)	352 (3.80)	306 (5.41)
URY	33775	0.17	33717	383 (7.06)	404 (5.44)	428 (4.83)	431 (4.40)	306 (6.29)

Educational Career Questionnaire – Question 1

Q1 Did you ever miss two or more consecutive months of <ISCED 1>?

No, never
Yes, once
Yes, twice or more

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never %	(SE)	Yes, once %	(SE)	Yes, twice or more %	(SE)	Missing %	(SE)
AUS	235591	0.33	234808	82.26	(0.54)	11.79	(0.35)	2.81	(0.16)	3.15	(0.36)
AUT	85931	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
BEL	111831	1.79	109825	89.98	(0.48)	6.07	(0.30)	1.59	(0.16)	2.36	(0.31)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	89.91	(0.56)	7.02	(0.44)	1.24	(0.17)	1.83	(0.25)
GRC	105131	0.13	104991	90.73	(0.55)	6.24	(0.43)	2.68	(0.24)	0.35	(.)
HUN	107044	0.06	106984	91.33	(0.71)	4.29	(0.30)	1.60	(0.19)	2.78	(0.68)
ISL	3928	0.63	3903	90.98	(0.52)	6.87	(0.51)	1.27	(0.22)	0.88	(.)
IRL	54850	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
ITA	481521	0.35	479854	91.60	(0.38)	6.75	(0.35)	1.04	(0.18)	0.61	(0.13)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	95.94	(0.26)	2.73	(0.24)	1.12	(0.13)	0.21	(.)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	69.41	(1.11)	13.51	(0.55)	6.58	(0.44)	10.50	(1.10)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	89.63	(0.52)	8.08	(0.45)	1.82	(0.21)	0.47	(.)
PRT	96857	0.25	96616	92.63	(0.47)	5.40	(0.38)	1.58	(0.22)	0.40	(.)
SVK	77067	0.04	77039	88.75	(0.62)	7.55	(0.44)	2.91	(0.31)	0.79	(0.16)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
GBR	698579	91.66	58246	88.82	(0.81)	8.73	(0.67)	1.91	(0.31)	0.54	(.)
USA	3147089	0.76	3123066	93.04	(0.47)	4.28	(0.28)	0.93	(0.13)	1.75	(0.30)
TOT	.	39.00	.	88.60	(0.31)	6.63	(0.18)	2.01	(0.10)	2.76	(0.22)
AVG	.	56.73	.	88.94	(0.18)	6.98	(0.11)	2.09	(0.07)	2.00	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	0.20	1967569	85.69	(0.80)	4.44	(0.42)	1.99	(0.22)	7.88	(0.59)
LVA	33643	33.63	22330	89.79	(0.82)	6.89	(0.64)	2.56	(0.35)	0.75	(.)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
YUG	68596	0.53	68233	58.59	(1.00)	27.98	(0.93)	10.04	(0.50)	3.38	(0.49)
THA	637076	.	637076	87.38	(0.70)	5.03	(0.37)	3.69	(0.33)	3.90	(0.34)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
URY	33775	0.15	33724	87.56	(0.62)	6.92	(0.41)	2.48	(0.18)	3.04	(0.42)

Educational Career Questionnaire – Question 1

Q1 Did you ever miss two or more consecutive months of <ISCED 1>?

No, never

Yes, once

Yes, twice or more

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	535 (1.86)	499 (3.92)	485 (7.25)	430 (9.88)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	520 (2.48)	455 (7.89)	378 (14.57)	372 (15.64)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	508 (3.32)	458 (6.76)	402 (17.51)	372 (17.14)
GRC	105131	0.13	104991	478 (3.84)	431 (7.49)	394 (12.00)	. (.)
HUN	107044	0.06	106984	486 (2.70)	459 (7.06)	420 (13.51)	425 (19.41)
ISL	3928	0.63	3903	497 (1.60)	465 (8.72)	439 (15.14)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	479 (2.77)	450 (7.25)	370 (22.78)	394 (22.58)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	536 (3.07)	501 (7.80)	463 (11.20)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	418 (3.87)	381 (5.29)	371 (7.84)	325 (8.22)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	500 (2.68)	478 (6.37)	466 (18.24)	. (.)
PRT	96857	0.25	96616	482 (3.63)	439 (8.28)	415 (14.32)	. (.)
SVK	77067	0.04	77039	475 (2.94)	445 (7.48)	381 (8.28)	368 (21.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	522 (2.47)	480 (6.48)	463 (12.24)	. (.)
USA	3147089	0.76	3123066	501 (2.86)	453 (10.23)	406 (18.62)	384 (18.86)
TOT	.	39.00	.	494 (1.46)	438 (3.53)	397 (5.92)	352 (7.19)
AVG	.	56.73	.	495 (0.93)	451 (2.26)	408 (3.72)	363 (6.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	388 (3.48)	343 (6.75)	353 (8.00)	340 (5.31)
LVA	33643	33.63	22330	500 (4.35)	471 (10.02)	424 (14.29)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68233	417 (3.92)	410 (3.91)	408 (5.76)	364 (9.85)
THA	637076	.	637076	426 (2.78)	380 (7.24)	379 (8.42)	378 (7.86)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	442 (3.26)	412 (9.26)	364 (15.81)	316 (13.45)

Educational Career Questionnaire – Question 1

Q1 Did you ever miss two or more consecutive months of <ISCED 1>?

No, never

Yes, once

Yes, twice or more

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	533 (1.87)	499 (4.35)	483 (6.48)	442 (7.52)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	542 (2.23)	470 (6.61)	417 (12.66)	411 (12.84)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	518 (3.24)	469 (7.39)	428 (15.48)	407 (12.89)
GRC	105131	0.13	104991	450 (3.80)	400 (5.82)	379 (10.79)	. (.)
HUN	107044	0.06	106984	494 (3.09)	455 (7.38)	419 (11.97)	447 (16.43)
ISL	3928	0.63	3903	518 (1.49)	497 (7.00)	478 (13.92)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	470 (2.89)	429 (7.21)	408 (21.21)	405 (16.93)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	544 (3.23)	516 (9.46)	443 (13.81)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	401 (3.57)	367 (4.79)	351 (7.40)	327 (6.62)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	494 (2.36)	469 (5.78)	443 (14.57)	. (.)
PRT	96857	0.25	96616	470 (3.25)	421 (7.63)	397 (14.31)	. (.)
SVK	77067	0.04	77039	505 (3.14)	468 (6.56)	409 (8.72)	403 (20.61)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	529 (2.26)	489 (6.73)	482 (12.56)	. (.)
USA	3147089	0.76	3123066	488 (2.72)	440 (8.67)	386 (14.57)	396 (16.49)
TOT	.	39.00	.	487 (1.34)	430 (3.31)	385 (5.32)	362 (6.24)
AVG	.	56.73	.	496 (0.85)	449 (2.09)	407 (3.64)	381 (5.95)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	366 (3.94)	327 (6.39)	312 (9.68)	323 (6.38)
LVA	33643	33.63	22330	492 (4.57)	453 (10.24)	433 (14.15)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68233	440 (4.00)	438 (4.24)	437 (5.18)	388 (9.59)
THA	637076	.	637076	423 (3.02)	376 (6.94)	364 (7.47)	376 (6.97)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	430 (3.24)	384 (6.94)	356 (12.63)	349 (12.11)

Educational Career Questionnaire – Question 1

Q1 Did you ever miss two or more consecutive months of <ISCED 1>?

No, never

Yes, once

Yes, twice or more

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	534 (1.88)	502 (4.14)	478 (7.50)	445 (8.87)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	520 (2.38)	458 (7.02)	400 (11.97)	390 (13.63)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	517 (3.57)	472 (8.05)	427 (18.16)	406 (15.85)
GRC	105131	0.13	104991	486 (3.66)	445 (6.87)	408 (11.99)	. (.)
HUN	107044	0.06	106984	508 (2.96)	468 (7.70)	434 (12.21)	453 (15.54)
ISL	3928	0.63	3903	498 (1.60)	475 (8.63)	483 (13.95)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	491 (2.89)	455 (8.34)	408 (27.42)	383 (18.82)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	540 (3.51)	519 (9.95)	443 (14.29)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	417 (3.47)	391 (5.41)	373 (7.22)	364 (6.09)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	501 (2.78)	482 (6.23)	442 (15.44)	. (.)
PRT	96857	0.25	96616	472 (3.38)	436 (8.38)	394 (15.45)	. (.)
SVK	77067	0.04	77039	501 (3.45)	469 (8.51)	405 (10.61)	424 (29.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	518 (2.72)	481 (7.49)	489 (15.13)	. (.)
USA	3147089	0.76	3123066	496 (2.74)	444 (10.57)	405 (18.87)	414 (20.60)
TOT	.	39.00	.	494 (1.39)	442 (3.55)	400 (5.64)	387 (6.34)
AVG	.	56.73	.	500 (0.85)	458 (2.13)	415 (3.70)	396 (5.35)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	399 (3.28)	371 (6.01)	357 (7.40)	372 (4.90)
LVA	33643	33.63	22330	497 (4.82)	468 (8.88)	428 (10.55)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68233	439 (3.79)	436 (4.06)	435 (5.06)	401 (10.42)
THA	637076	.	637076	434 (2.79)	384 (6.70)	401 (7.42)	398 (6.71)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	446 (2.79)	414 (7.76)	365 (11.25)	348 (11.72)

Educational Career Questionnaire – Question 1

Q1 Did you ever miss two or more consecutive months of <ISCED 1>?

No, never

Yes, once

Yes, twice or more

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	538 (1.76)	503 (3.80)	491 (6.84)	451 (7.38)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	537 (2.17)	474 (6.17)	408 (12.71)	401 (11.94)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	525 (3.26)	482 (6.75)	463 (15.50)	409 (13.56)
GRC	105131	0.13	104991	454 (3.85)	406 (6.81)	386 (11.66)	. (.)
HUN	107044	0.06	106984	505 (3.09)	468 (7.48)	461 (12.70)	453 (17.95)
ISL	3928	0.63	3903	508 (1.45)	481 (7.05)	487 (14.97)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	474 (2.83)	429 (7.66)	395 (26.26)	358 (20.12)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	552 (3.04)	530 (8.35)	439 (15.30)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	402 (4.22)	364 (5.80)	350 (8.52)	314 (6.37)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	490 (2.53)	479 (6.65)	421 (15.74)	. (.)
PRT	96857	0.25	96616	474 (3.68)	431 (9.11)	388 (14.97)	. (.)
SVK	77067	0.04	77039	498 (3.16)	463 (6.48)	402 (9.78)	414 (19.47)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	530 (2.30)	502 (6.77)	472 (12.62)	. (.)
USA	3147089	0.76	3123066	482 (2.85)	426 (9.20)	409 (14.73)	391 (17.58)
TOT	.	39.00	.	486 (1.47)	429 (3.69)	390 (5.62)	353 (6.71)
AVG	.	56.73	.	497 (0.93)	451 (2.30)	410 (3.88)	375 (6.59)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	366 (3.42)	334 (5.66)	338 (7.26)	330 (5.80)
LVA	33643	33.63	22330	488 (4.82)	460 (12.48)	426 (17.32)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68233	425 (3.56)	421 (3.73)	418 (5.19)	353 (10.40)
THA	637076	.	637076	430 (2.78)	387 (6.57)	385 (7.51)	398 (6.96)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	419 (3.61)	370 (7.89)	349 (12.73)	304 (10.99)

Educational Career Questionnaire – Question 2

Q2 Did you ever miss two or more consecutive months of <ISCED 2>

No, never

Yes, once

Yes, twice or more

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never %	No, never (SE)	Yes, once %	Yes, once (SE)	Yes, twice or more %	Yes, twice or more (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	87.15	(0.45)	8.00	(0.30)	1.88	(0.14)	2.97	(0.35)
AUT	85931	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
BEL	111831	1.79	109825	92.61	(0.48)	4.02	(0.29)	1.11	(0.14)	2.26	(0.29)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	90.80	(0.58)	5.88	(0.42)	1.68	(0.21)	1.65	(0.26)
GRC	105131	0.13	104991	92.25	(0.53)	4.43	(0.34)	2.95	(0.28)	0.37	(.)
HUN	107044	0.06	106984	92.04	(0.68)	4.37	(0.34)	1.04	(0.15)	2.55	(0.68)
ISL	3928	0.63	3903	94.22	(0.41)	3.59	(0.33)	1.36	(0.22)	0.84	(.)
IRL	54850	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
ITA	481521	0.35	479854	92.34	(0.44)	5.88	(0.34)	1.13	(0.19)	0.65	(0.13)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	97.22	(0.24)	1.61	(0.16)	0.96	(0.14)	0.22	(.)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	70.66	(1.11)	12.56	(0.56)	6.46	(0.41)	10.32	(1.11)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	92.72	(0.46)	5.38	(0.38)	1.30	(0.18)	0.60	(.)
PRT	96857	0.25	96616	95.69	(0.35)	2.60	(0.24)	1.12	(0.19)	0.59	(.)
SVK	77067	0.04	77039	89.30	(0.74)	6.62	(0.42)	2.92	(0.26)	1.16	(0.44)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
GBR	698579	91.66	58246	89.90	(0.63)	7.39	(0.52)	2.20	(0.34)	0.51	(.)
USA	3147089	0.76	3123066	92.36	(0.54)	4.73	(0.36)	1.14	(0.17)	1.77	(0.30)
TOT	.	39.00	.	89.24	(0.33)	5.99	(0.20)	2.05	(0.11)	2.73	(0.22)
AVG	.	56.73	.	90.71	(0.20)	5.37	(0.12)	1.93	(0.07)	1.99	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	0.20	1967569	86.75	(0.78)	3.48	(0.37)	1.77	(0.22)	8.00	(0.57)
LVA	33643	33.63	22330	87.98	(0.92)	7.63	(0.74)	3.67	(0.56)	0.72	(.)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
YUG	68596	0.51	68244	51.93	(0.90)	35.40	(0.96)	9.27	(0.56)	3.39	(0.48)
THA	637076	.	637076	88.18	(0.67)	4.84	(0.37)	3.14	(0.31)	3.84	(0.35)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
URY	33775	0.15	33724	89.04	(0.71)	4.51	(0.42)	2.11	(0.25)	4.34	(0.49)

Educational Career Questionnaire – Question 2

Q2 Did you ever miss two or more consecutive months of <ISCED 2>

No, never

Yes, once

Yes, twice or more

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (1.87)	487 (5.69)	460 (8.17)	422 (10.42)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	519 (2.36)	426 (8.63)	383 (15.26)	375 (15.65)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	508 (3.34)	448 (9.08)	410 (15.82)	370 (19.12)
GRC	105131	0.13	104991	480 (3.93)	399 (9.47)	380 (8.22)	. (.)
HUN	107044	0.06	106984	486 (2.61)	447 (9.08)	373 (14.91)	436 (18.10)
ISL	3928	0.63	3903	497 (1.55)	449 (12.48)	413 (14.99)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	481 (2.76)	417 (8.32)	385 (21.20)	396 (21.62)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	536 (3.03)	474 (10.95)	439 (12.96)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	420 (3.96)	366 (4.84)	367 (7.00)	326 (8.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	502 (2.65)	446 (8.25)	415 (17.08)	. (.)
PRT	96857	0.25	96616	481 (3.50)	410 (10.95)	382 (19.61)	. (.)
SVK	77067	0.04	77039	476 (2.80)	439 (7.53)	375 (9.38)	363 (19.03)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	521 (2.46)	483 (7.28)	449 (11.60)	. (.)
USA	3147089	0.76	3123066	502 (2.87)	427 (9.23)	413 (18.44)	376 (17.11)
TOT	.	39.00	.	495 (1.43)	415 (3.78)	391 (6.11)	350 (7.48)
AVG	.	56.73	.	496 (0.90)	428 (2.46)	392 (3.68)	363 (6.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	387 (3.47)	354 (8.07)	345 (7.75)	339 (5.42)
LVA	33643	33.63	22330	502 (4.24)	469 (12.71)	417 (10.75)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	408 (3.54)	427 (4.10)	401 (4.90)	352 (8.87)
THA	637076	.	637076	426 (2.81)	365 (7.69)	373 (8.38)	379 (7.97)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	444 (3.36)	380 (10.94)	364 (12.69)	324 (12.72)

Educational Career Questionnaire – Question 2

Q2 Did you ever miss two or more consecutive months of <ISCED 2>

No, never

Yes, once

Yes, twice or more

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.96)	486 (5.23)	462 (6.90)	437 (7.59)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	541 (2.15)	449 (7.74)	426 (11.06)	413 (12.78)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	518 (3.31)	466 (7.88)	416 (15.70)	408 (14.65)
GRC	105131	0.13	104991	451 (3.78)	391 (7.23)	358 (7.16)	. (.)
HUN	107044	0.06	106984	493 (2.97)	460 (10.02)	391 (13.74)	457 (16.01)
ISL	3928	0.63	3903	519 (1.41)	482 (10.20)	439 (12.98)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	471 (2.91)	407 (8.16)	404 (20.29)	408 (16.15)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	545 (3.19)	468 (12.10)	420 (14.26)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	402 (3.67)	359 (3.80)	348 (7.32)	330 (6.81)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	495 (2.39)	441 (6.76)	418 (11.56)	. (.)
PRT	96857	0.25	96616	470 (3.10)	396 (11.22)	379 (17.53)	. (.)
SVK	77067	0.04	77039	506 (2.97)	458 (6.27)	407 (7.84)	387 (32.71)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	530 (2.15)	484 (5.82)	444 (9.18)	. (.)
USA	3147089	0.76	3123066	490 (2.73)	414 (7.80)	398 (14.81)	390 (15.66)
TOT	.	39.00	.	488 (1.31)	410 (3.38)	381 (5.63)	361 (6.52)
AVG	.	56.73	.	496 (0.82)	430 (2.29)	392 (3.52)	381 (5.94)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	366 (3.99)	328 (6.30)	308 (8.53)	324 (6.35)
LVA	33643	33.63	22330	493 (4.63)	459 (10.57)	432 (11.25)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	431 (3.78)	454 (4.32)	426 (6.05)	381 (8.91)
THA	637076	.	637076	424 (3.01)	362 (6.29)	354 (8.91)	380 (7.05)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	429 (3.16)	370 (9.34)	371 (8.65)	357 (10.90)

Educational Career Questionnaire – Question 2

Q2 Did you ever miss two or more consecutive months of <ISCED 2>

No, never

Yes, once

Yes, twice or more

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (1.91)	482 (6.14)	441 (7.51)	440 (10.05)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	519 (2.33)	434 (9.01)	412 (13.00)	392 (13.60)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	517 (3.59)	468 (8.51)	446 (16.95)	406 (18.57)
GRC	105131	0.13	104991	487 (3.74)	428 (8.48)	396 (7.61)	. (.)
HUN	107044	0.06	106984	507 (2.86)	465 (10.01)	405 (14.00)	462 (14.64)
ISL	3928	0.63	3903	499 (1.56)	454 (10.77)	424 (15.26)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	492 (2.89)	435 (9.50)	393 (25.65)	389 (18.63)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	541 (3.48)	465 (13.61)	432 (14.85)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	418 (3.55)	382 (4.52)	371 (6.23)	365 (6.12)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	502 (2.75)	452 (7.83)	423 (15.39)	. (.)
PRT	96857	0.25	96616	471 (3.22)	404 (11.98)	382 (17.07)	. (.)
SVK	77067	0.04	77039	502 (3.18)	463 (8.50)	397 (7.78)	381 (46.57)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	520 (2.59)	472 (7.61)	447 (12.68)	. (.)
USA	3147089	0.76	3123066	498 (2.85)	424 (9.09)	415 (16.59)	405 (19.30)
TOT	.	39.00	.	495 (1.39)	423 (3.45)	398 (5.75)	385 (6.44)
AVG	.	56.73	.	500 (0.83)	439 (2.11)	402 (3.38)	394 (5.60)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	398 (3.32)	385 (5.66)	350 (7.47)	372 (5.32)
LVA	33643	33.63	22330	498 (4.76)	467 (10.58)	427 (9.06)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	430 (3.58)	451 (4.01)	441 (5.21)	383 (9.44)
THA	637076	.	637076	434 (2.76)	385 (6.94)	395 (8.25)	399 (7.07)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	447 (2.77)	383 (9.40)	367 (10.36)	358 (10.34)

Educational Career Questionnaire – Question 2

Q2 Did you ever miss two or more consecutive months of <ISCED 2>

No, never

Yes, once

Yes, twice or more

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, never mean (SE)	Yes, once mean (SE)	Yes, twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	537 (1.75)	495 (5.13)	483 (6.85)	445 (7.74)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	1.79	109825	536 (2.07)	450 (7.51)	420 (12.38)	401 (12.16)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	525 (3.22)	478 (7.80)	434 (15.63)	409 (15.02)
GRC	105131	0.13	104991	455 (3.87)	400 (8.83)	347 (8.82)	. (.)
HUN	107044	0.06	106984	504 (3.02)	482 (9.58)	416 (15.39)	463 (17.42)
ISL	3928	0.63	3903	508 (1.37)	479 (10.56)	431 (14.07)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)	. (.)
ITA	481521	0.35	479854	476 (2.78)	402 (9.15)	403 (23.15)	357 (20.30)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	553 (2.98)	465 (11.80)	423 (14.16)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	403 (4.27)	352 (4.90)	350 (8.71)	316 (6.43)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	492 (2.58)	438 (7.29)	385 (15.41)	. (.)
PRT	96857	0.25	96616	474 (3.52)	389 (11.74)	379 (18.27)	. (.)
SVK	77067	0.04	77039	498 (2.90)	465 (6.87)	398 (9.12)	373 (41.69)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	531 (2.16)	484 (6.47)	469 (10.87)	. (.)
USA	3147089	0.76	3123066	484 (2.87)	405 (8.38)	403 (16.28)	381 (15.82)
TOT	.	39.00	.	488 (1.42)	407 (3.86)	383 (6.48)	351 (6.77)
AVG	.	56.73	.	498 (0.88)	432 (2.62)	392 (4.14)	373 (6.70)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.20	1967569	366 (3.41)	336 (6.09)	336 (6.95)	329 (5.86)
LVA	33643	33.63	22330	491 (4.68)	455 (11.61)	402 (14.79)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	414 (3.29)	440 (3.98)	413 (5.28)	341 (9.12)
THA	637076	.	637076	431 (2.82)	367 (6.29)	382 (8.04)	400 (6.92)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	419 (3.68)	362 (9.23)	365 (11.66)	318 (10.05)

Educational Career Questionnaire – Question 3

Q3 Did you change schools when you were attending <ISCED 1>?

No, I attended all of <ISCED 1> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school %	(SE)	Yes, changed once %	(SE)	Yes, changed twice or more %	(SE)	Missing %	(SE)
AUS	235591	0.33	234808	54.35	(0.83)	25.36	(0.51)	17.29	(0.47)	3.01	(0.41)
AUT	85931	1.08	85003	88.91	(0.65)	7.38	(0.44)	2.26	(0.35)	1.45	(0.24)
BEL	111831	1.79	109825	69.97	(0.68)	20.94	(0.49)	6.57	(0.42)	2.52	(0.31)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	78.46	(0.87)	15.93	(0.74)	3.69	(0.34)	1.93	(0.26)
GRC	105131	0.13	104991	76.53	(0.89)	18.53	(0.75)	4.55	(0.38)	0.39	(.)
HUN	107044	0.06	106984	83.24	(0.81)	12.00	(0.50)	1.97	(0.21)	2.80	(0.68)
ISL	3928	0.63	3903	57.66	(0.87)	27.63	(0.70)	13.75	(0.67)	0.96	(0.15)
IRL	54850	1.03	54285	77.80	(0.83)	16.45	(0.76)	4.26	(0.33)	1.50	(0.22)
ITA	481521	0.35	479854	87.43	(0.43)	9.65	(0.35)	1.99	(0.19)	0.94	(0.15)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	56.05	(0.99)	29.73	(0.82)	13.99	(0.51)	0.23	(.)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	60.36	(1.34)	21.31	(0.82)	7.47	(0.53)	10.86	(1.17)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	86.98	(0.66)	10.41	(0.56)	1.90	(0.22)	0.71	(0.16)
PRT	96857	0.25	96616	48.43	(1.01)	44.88	(1.08)	4.28	(0.31)	2.41	(0.30)
SVK	77067	0.07	77011	84.05	(0.79)	12.57	(0.59)	2.47	(0.28)	0.91	(0.20)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
GBR	698579	91.66	58246	72.50	(1.13)	19.47	(0.80)	7.66	(0.70)	0.36	(.)
USA	3147089	0.76	3123066	53.62	(0.78)	26.01	(0.66)	18.54	(0.70)	1.83	(0.30)
TOT	.	37.84	.	64.03	(0.36)	21.70	(0.32)	11.38	(0.29)	2.89	(0.22)
AVG	.	50.13	.	70.90	(0.23)	19.93	(0.18)	7.01	(0.10)	2.15	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	0.18	1967983	75.92	(0.94)	12.03	(0.60)	2.41	(0.21)	9.64	(0.68)
LVA	33643	33.63	22330	81.69	(1.41)	15.08	(1.34)	2.19	(0.31)	1.04	(0.25)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
YUG	68596	0.55	68222	82.89	(0.78)	9.66	(0.50)	2.69	(0.28)	4.76	(0.51)
THA	637076	.	637076	74.16	(0.87)	17.43	(0.67)	4.19	(0.35)	4.22	(0.37)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
URY	33775	0.15	33724	64.07	(1.11)	22.78	(0.73)	9.15	(0.60)	4.01	(0.48)

Educational Career Questionnaire – Question 3

Q3 Did you change schools when you were attending <ISCED 1>?

No, I attended all of <ISCED 1> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	533 (2.18)	526 (2.68)	520 (3.90)	427 (8.43)
AUT	85931	1.08	85003	498 (3.36)	486 (6.59)	427 (15.36)	375 (16.20)
BEL	111831	1.79	109825	527 (2.36)	489 (4.58)	456 (9.01)	373 (15.34)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	511 (3.22)	472 (6.21)	469 (9.80)	374 (17.10)
GRC	105131	0.13	104991	473 (4.07)	469 (6.43)	482 (7.46)	. (.)
HUN	107044	0.06	106984	486 (2.75)	473 (4.86)	431 (10.34)	427 (18.16)
ISL	3928	0.63	3903	495 (2.30)	491 (3.22)	498 (4.86)	322 (24.18)
IRL	54850	1.03	54285	517 (2.78)	518 (4.00)	507 (7.98)	410 (16.92)
ITA	481521	0.35	479854	480 (2.94)	460 (5.94)	422 (12.13)	390 (17.72)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	529 (3.26)	543 (3.85)	538 (4.85)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	406 (3.70)	411 (6.04)	426 (6.11)	328 (7.91)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.71)	495 (6.13)	496 (11.36)	342 (29.60)
PRT	96857	0.25	96616	461 (4.29)	499 (4.38)	485 (8.01)	399 (11.67)
SVK	77067	0.07	77011	472 (2.93)	463 (6.23)	445 (11.22)	345 (24.38)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	516 (2.77)	518 (4.47)	521 (8.49)	. (.)
USA	3147089	0.76	3123066	501 (3.28)	499 (4.16)	486 (5.00)	379 (17.02)
TOT	.	37.84	.	489 (1.46)	488 (2.55)	485 (3.49)	354 (7.00)
AVG	.	50.13	.	493 (0.96)	492 (1.48)	490 (1.84)	369 (5.60)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.18	1967983	385 (3.53)	393 (6.06)	397 (10.45)	339 (5.42)
LVA	33643	33.63	22330	499 (4.18)	483 (7.55)	478 (14.33)	442 (22.96)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.55	68222	418 (3.64)	397 (5.40)	420 (9.32)	345 (7.59)
THA	637076	.	637076	422 (2.96)	421 (4.27)	415 (7.05)	381 (7.07)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	446 (3.35)	431 (5.54)	421 (8.02)	292 (11.32)

Educational Career Questionnaire – Question 3

Q3 Did you change schools when you were attending <ISCED 1>?

No, I attended all of <ISCED 1> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	532 (2.13)	525 (2.72)	516 (3.82)	441 (6.91)
AUT	85931	1.08	85003	512 (2.96)	495 (5.93)	448 (14.77)	395 (15.46)
BEL	111831	1.79	109825	551 (2.14)	508 (4.04)	464 (7.93)	415 (12.75)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	521 (3.25)	486 (5.85)	464 (10.07)	414 (12.53)
GRC	105131	0.13	104991	445 (4.04)	443 (5.13)	462 (6.21)	. (.)
HUN	107044	0.06	106984	493 (3.19)	484 (4.98)	462 (10.75)	447 (15.80)
ISL	3928	0.63	3903	517 (1.86)	514 (2.91)	518 (4.73)	398 (18.05)
IRL	54850	1.03	54285	504 (2.58)	506 (3.75)	494 (7.79)	422 (14.02)
ITA	481521	0.35	479854	469 (3.04)	449 (5.41)	432 (10.01)	399 (13.84)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	536 (3.06)	550 (4.56)	548 (5.00)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	390 (3.50)	390 (5.22)	411 (4.82)	330 (7.03)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	490 (2.56)	498 (4.84)	483 (11.91)	375 (21.74)
PRT	96857	0.25	96616	453 (3.91)	484 (3.89)	467 (8.13)	395 (10.95)
SVK	77067	0.07	77011	500 (2.99)	501 (6.69)	475 (11.78)	392 (26.60)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	524 (2.37)	526 (4.49)	529 (7.46)	. (.)
USA	3147089	0.76	3123066	490 (2.99)	481 (4.13)	475 (4.57)	395 (16.04)
TOT	.	37.84	.	484 (1.32)	478 (2.56)	477 (3.24)	365 (6.34)
AVG	.	50.13	.	494 (0.84)	491 (1.53)	490 (1.97)	386 (5.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.18	1967983	364 (3.88)	366 (6.96)	372 (13.02)	323 (5.97)
LVA	33643	33.63	22330	491 (4.56)	477 (7.33)	457 (14.91)	437 (14.43)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.55	68222	442 (3.89)	431 (4.49)	429 (8.45)	379 (7.74)
THA	637076	.	637076	418 (3.21)	420 (4.44)	421 (8.47)	383 (6.59)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	433 (3.53)	415 (4.65)	404 (6.36)	337 (10.14)

Educational Career Questionnaire – Question 3

Q3 Did you change schools when you were attending <ISCED 1>?

No, I attended all of <ISCED 1> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	531 (2.14)	526 (2.83)	520 (4.02)	445 (9.34)
AUT	85931	1.08	85003	497 (3.18)	477 (6.00)	443 (15.71)	402 (14.50)
BEL	111831	1.79	109825	527 (2.36)	491 (4.54)	451 (7.79)	391 (13.70)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	522 (3.48)	480 (6.66)	470 (10.89)	411 (16.47)
GRC	105131	0.13	104991	480 (3.78)	483 (6.24)	505 (9.00)	. (.)
HUN	107044	0.06	106984	507 (3.01)	494 (4.94)	489 (11.14)	452 (15.63)
ISL	3928	0.63	3903	495 (2.09)	496 (3.48)	503 (5.06)	351 (20.13)
IRL	54850	1.03	54285	505 (2.91)	514 (4.09)	496 (9.55)	443 (14.23)
ITA	481521	0.35	479854	490 (3.11)	475 (5.93)	453 (13.55)	385 (17.21)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	533 (3.73)	545 (4.71)	548 (5.09)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	407 (3.20)	410 (5.90)	431 (7.07)	366 (6.08)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	497 (2.91)	513 (6.72)	484 (12.57)	430 (24.71)
PRT	96857	0.25	96616	454 (3.97)	485 (4.30)	485 (8.43)	397 (11.74)
SVK	77067	0.07	77011	498 (3.12)	491 (9.16)	474 (14.78)	363 (38.92)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	513 (2.99)	516 (4.93)	524 (10.30)	. (.)
USA	3147089	0.76	3123066	499 (3.14)	491 (4.37)	479 (4.95)	409 (18.94)
TOT	.	37.84	.	492 (1.41)	486 (2.54)	482 (3.57)	388 (6.22)
AVG	.	50.13	.	497 (0.88)	494 (1.46)	494 (2.14)	398 (4.59)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.18	1967983	397 (3.31)	399 (5.64)	409 (9.45)	371 (5.11)
LVA	33643	33.63	22330	495 (4.68)	486 (6.85)	467 (19.03)	455 (21.79)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.55	68222	441 (3.63)	424 (5.63)	449 (9.85)	377 (8.09)
THA	637076	.	637076	431 (2.90)	429 (4.19)	419 (7.80)	400 (6.70)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	449 (3.13)	434 (5.25)	417 (6.50)	348 (9.01)

Educational Career Questionnaire – Question 3

Q3 Did you change schools when you were attending <ISCED 1>?

No, I attended all of <ISCED 1> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.33	234808	536 (2.02)	530 (2.49)	524 (3.44)	447 (7.50)
AUT	85931	1.08	85003	512 (2.87)	496 (6.30)	455 (15.13)	405 (14.19)
BEL	111831	1.79	109825	544 (2.16)	507 (3.88)	472 (6.63)	402 (12.27)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	529 (3.19)	493 (5.19)	462 (8.66)	415 (12.30)
GRC	105131	0.13	104991	447 (4.07)	452 (5.56)	470 (8.25)	. (.)
HUN	107044	0.06	106984	504 (3.25)	494 (5.12)	480 (10.62)	455 (17.35)
ISL	3928	0.63	3903	507 (1.94)	506 (2.70)	506 (4.42)	374 (19.91)
IRL	54850	1.03	54285	500 (2.49)	500 (3.69)	494 (7.92)	401 (12.89)
ITA	481521	0.35	479854	474 (2.96)	449 (5.89)	425 (11.89)	357 (17.06)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	543 (3.00)	559 (4.17)	561 (4.79)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	390 (4.09)	392 (6.42)	415 (6.14)	318 (6.26)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	487 (2.72)	493 (5.05)	483 (10.87)	346 (36.29)
PRT	96857	0.25	96616	454 (4.37)	491 (4.42)	483 (7.87)	389 (10.86)
SVK	77067	0.07	77011	494 (3.05)	493 (6.28)	461 (12.61)	382 (25.67)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	524 (2.52)	530 (4.56)	540 (8.15)	. (.)
USA	3147089	0.76	3123066	483 (3.06)	477 (4.36)	471 (4.70)	388 (16.00)
TOT	.	37.84	.	483 (1.42)	478 (2.77)	476 (3.19)	355 (6.42)
AVG	.	50.13	.	494 (0.88)	493 (1.62)	493 (1.75)	379 (5.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.18	1967983	364 (3.34)	367 (6.08)	375 (9.93)	329 (5.02)
LVA	33643	33.63	22330	487 (4.68)	478 (7.68)	439 (18.33)	439 (18.24)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.55	68222	427 (3.39)	409 (5.58)	415 (7.25)	335 (7.97)
THA	637076	.	637076	425 (2.92)	433 (3.99)	416 (7.37)	401 (6.65)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	423 (3.92)	402 (4.84)	391 (6.77)	303 (9.68)

Educational Career Questionnaire – Question 4

Q4 Did you change schools when you were attending <ISCED 2>?

No, I attended all of <ISCED 2> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school % (SE)	Yes, changed once % (SE)	Yes, changed twice or more % (SE)	Missing % (SE)
AUS	235591	0.32	234828	76.21 (0.71)	16.36 (0.50)	4.48 (0.23)	2.94 (0.36)
AUT	85931	1.08	85003	87.91 (0.71)	9.17 (0.54)	1.47 (0.21)	1.46 (0.26)
BEL	111831	1.79	109825	78.14 (0.65)	16.08 (0.52)	3.19 (0.26)	2.59 (0.32)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	74.97 (0.94)	18.83 (0.80)	3.13 (0.30)	3.07 (0.30)
GRC	105131	0.13	104991	91.82 (0.52)	6.67 (0.48)	1.12 (0.18)	0.39 (.)
HUN	107044	0.06	106984	81.01 (0.97)	14.49 (0.79)	1.64 (0.20)	2.86 (0.69)
ISL	3928	0.63	3903	86.37 (0.64)	10.52 (0.58)	2.21 (0.25)	0.90 (.)
IRL	54850	1.03	54285	90.26 (0.73)	6.28 (0.63)	0.99 (0.18)	2.47 (0.30)
ITA	481521	0.39	479662	93.79 (0.40)	4.85 (0.37)	0.52 (0.09)	0.84 (0.14)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	91.47 (0.54)	7.09 (0.47)	1.05 (0.13)	0.38 (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	75.69 (1.27)	11.31 (0.54)	1.61 (0.25)	11.39 (1.27)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	95.42 (0.44)	3.61 (0.38)	0.32 (.)	0.66 (.)
PRT	96857	0.25	96616	87.32 (0.67)	9.61 (0.57)	0.66 (0.13)	2.41 (0.27)
SVK	77067	0.07	77011	87.25 (0.87)	10.05 (0.70)	1.59 (0.16)	1.10 (0.26)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	90.54 (0.94)	7.88 (0.86)	1.09 (.)	0.48 (.)
USA	3147089	0.76	3123066	72.62 (0.86)	19.82 (0.76)	5.88 (0.39)	1.67 (0.28)
TOT	.	37.84	.	79.00 (0.38)	14.51 (0.34)	3.44 (0.18)	3.04 (0.24)
AVG	.	50.13	.	84.76 (0.18)	10.93 (0.14)	1.98 (0.05)	2.33 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	85.24 (0.74)	4.52 (0.39)	0.42 (0.08)	9.82 (0.68)
LVA	33643	33.61	22335	76.13 (2.60)	19.68 (2.33)	3.43 (0.54)	0.77 (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68234	88.08 (0.71)	5.73 (0.40)	1.32 (0.20)	4.87 (0.52)
THA	637076	.	637076	87.32 (0.55)	6.58 (0.39)	0.73 (0.15)	5.37 (0.40)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	74.48 (0.84)	17.34 (0.60)	2.46 (0.25)	5.72 (0.53)

Educational Career Questionnaire – Question 4

Q4 Did you change schools when you were attending <ISCED 2>?

No, I attended all of <ISCED 2> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	534 (2.02)	515 (3.70)	497 (7.37)	419 (10.19)
AUT	85931	1.08	85003	498 (3.32)	474 (6.53)	449 (15.60)	355 (14.52)
BEL	111831	1.79	109825	526 (2.41)	472 (4.80)	452 (9.87)	364 (14.57)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	509 (3.46)	486 (4.91)	466 (9.70)	436 (16.91)
GRC	105131	0.13	104991	474 (3.93)	458 (8.68)	486 (19.95)	. (.)
HUN	107044	0.06	106984	480 (2.85)	496 (5.54)	478 (10.92)	450 (15.37)
ISL	3928	0.63	3903	497 (1.72)	478 (6.75)	465 (14.09)	. (.)
IRL	54850	1.03	54285	519 (2.58)	492 (7.92)	478 (15.50)	433 (13.84)
ITA	481521	0.39	479662	479 (2.95)	436 (8.18)	392 (23.14)	360 (17.50)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	533 (3.03)	548 (6.84)	522 (11.41)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	410 (4.16)	406 (5.53)	418 (13.98)	327 (8.00)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	499 (2.74)	458 (10.90)	. (.)	. (.)
PRT	96857	0.25	96616	481 (3.85)	472 (7.12)	449 (24.96)	409 (12.23)
SVK	77067	0.07	77011	471 (2.81)	472 (6.87)	423 (15.59)	362 (23.33)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	517 (2.64)	519 (7.40)	. (.)	. (.)
USA	3147089	0.76	3123066	507 (3.04)	476 (4.94)	460 (6.21)	379 (18.29)
TOT	.	37.84	.	493 (1.51)	472 (3.15)	460 (4.75)	360 (7.50)
AVG	.	50.13	.	495 (0.93)	479 (1.72)	464 (3.35)	377 (5.39)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	386 (3.54)	383 (7.48)	398 (16.56)	340 (5.38)
LVA	33643	33.61	22335	497 (4.08)	495 (9.37)	477 (28.59)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68234	417 (3.54)	399 (6.66)	401 (11.07)	343 (8.03)
THA	637076	.	637076	423 (2.86)	408 (5.24)	390 (17.05)	381 (6.51)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	445 (3.64)	430 (5.92)	436 (12.06)	308 (9.82)

Educational Career Questionnaire – Question 4

Q4 Did you change schools when you were attending <ISCED 2>?

No, I attended all of <ISCED 2> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (2.15)	514 (3.66)	494 (9.08)	434 (7.59)
AUT	85931	1.08	85003	513 (2.97)	483 (6.16)	450 (14.98)	388 (12.34)
BEL	111831	1.79	109825	548 (2.21)	489 (4.40)	468 (8.32)	408 (12.35)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	519 (3.43)	496 (4.89)	474 (9.30)	457 (13.58)
GRC	105131	0.13	104991	447 (3.80)	429 (7.20)	450 (19.19)	. (.)
HUN	107044	0.06	106984	488 (3.25)	506 (5.70)	490 (12.55)	454 (15.06)
ISL	3928	0.63	3903	519 (1.46)	502 (5.30)	472 (11.68)	. (.)
IRL	54850	1.03	54285	506 (2.34)	485 (6.72)	464 (16.25)	433 (11.30)
ITA	481521	0.39	479662	468 (3.07)	434 (8.68)	468 (15.22)	379 (14.04)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	542 (3.21)	546 (6.76)	508 (11.64)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	394 (3.88)	386 (4.55)	395 (11.81)	329 (6.93)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	493 (2.44)	460 (9.45)	. (.)	. (.)
PRT	96857	0.25	96616	469 (3.51)	459 (5.12)	461 (23.18)	407 (10.27)
SVK	77067	0.07	77011	500 (2.99)	500 (7.58)	452 (14.60)	401 (27.15)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	525 (2.45)	526 (5.70)	. (.)	. (.)
USA	3147089	0.76	3123066	493 (2.87)	467 (4.78)	448 (5.60)	392 (15.84)
TOT	.	37.84	.	486 (1.36)	467 (3.06)	451 (4.27)	369 (6.86)
AVG	.	50.13	.	495 (0.86)	481 (1.72)	464 (3.27)	391 (5.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	364 (4.01)	357 (7.91)	379 (15.65)	324 (6.13)
LVA	33643	33.61	22335	489 (4.28)	490 (8.99)	465 (30.06)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68234	441 (3.72)	432 (6.70)	412 (13.38)	382 (8.40)
THA	637076	.	637076	420 (3.02)	403 (5.60)	386 (17.45)	383 (7.08)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	429 (3.40)	425 (5.44)	408 (9.22)	337 (9.55)

Educational Career Questionnaire – Question 4

Q4 Did you change schools when you were attending <ISCED 2>?

No, I attended all of <ISCED 2> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (2.15)	512 (3.73)	505 (8.30)	437 (10.37)
AUT	85931	1.08	85003	499 (3.14)	455 (6.95)	457 (14.58)	389 (11.90)
BEL	111831	1.79	109825	526 (2.42)	472 (4.58)	459 (8.79)	383 (13.13)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	519 (3.70)	496 (5.22)	482 (9.73)	451 (16.24)
GRC	105131	0.13	104991	482 (3.71)	472 (7.71)	496 (20.35)	. (.)
HUN	107044	0.06	106984	502 (3.02)	518 (5.76)	509 (11.26)	465 (14.42)
ISL	3928	0.63	3903	499 (1.60)	483 (5.84)	475 (14.28)	. (.)
IRL	54850	1.03	54285	509 (2.69)	487 (7.13)	438 (15.12)	444 (11.97)
ITA	481521	0.39	479662	490 (3.05)	449 (10.41)	465 (22.48)	350 (15.72)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	538 (3.56)	550 (7.12)	533 (12.83)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	412 (3.74)	400 (5.14)	407 (10.75)	364 (6.51)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	500 (2.85)	467 (9.87)	. (.)	. (.)
PRT	96857	0.25	96616	471 (3.54)	459 (6.11)	439 (24.21)	405 (11.66)
SVK	77067	0.07	77011	496 (3.26)	504 (7.81)	450 (17.70)	381 (37.58)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	514 (2.83)	522 (8.34)	. (.)	. (.)
USA	3147089	0.76	3123066	503 (2.99)	470 (4.98)	453 (5.92)	405 (18.98)
TOT	.	37.84	.	494 (1.42)	471 (3.21)	457 (4.37)	390 (6.53)
AVG	.	50.13	.	499 (0.86)	482 (1.75)	470 (2.93)	401 (4.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	398 (3.32)	400 (6.99)	424 (13.21)	371 (5.24)
LVA	33643	33.61	22335	494 (4.62)	496 (10.11)	476 (22.32)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68234	440 (3.49)	431 (7.08)	436 (10.95)	380 (8.29)
THA	637076	.	637076	433 (2.72)	411 (5.95)	394 (17.27)	396 (6.35)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	445 (3.05)	439 (4.87)	446 (10.14)	356 (7.61)

Educational Career Questionnaire – Question 4

Q4 Did you change schools when you were attending <ISCED 2>?

No, I attended all of <ISCED 2> at the same school.

Yes, I changed schools once.

Yes, I changed schools twice or more.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	No, all <ISCED 1> same school mean (SE)	Yes, changed once mean (SE)	Yes, changed twice or more mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	537 (1.94)	520 (3.45)	506 (7.65)	440 (8.26)
AUT	85931	1.08	85003	512 (2.92)	493 (6.10)	454 (14.23)	394 (9.49)
BEL	111831	1.79	109825	543 (2.13)	489 (3.74)	464 (8.88)	395 (12.08)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	526 (3.31)	505 (4.55)	497 (9.88)	460 (12.87)
GRC	105131	0.13	104991	450 (3.89)	432 (7.56)	457 (16.83)	. (.)
HUN	107044	0.06	106984	499 (3.26)	522 (5.89)	505 (12.37)	463 (16.22)
ISL	3928	0.63	3903	507 (1.43)	500 (5.79)	497 (11.49)	. (.)
IRL	54850	1.03	54285	502 (2.26)	488 (6.44)	454 (14.06)	411 (10.95)
ITA	481521	0.39	479662	473 (2.97)	422 (10.51)	454 (22.08)	343 (16.36)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	.	533504	550 (3.04)	555 (6.48)	539 (10.28)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	394 (4.52)	388 (5.73)	410 (17.40)	316 (6.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	.	534900	489 (2.66)	443 (9.65)	. (.)	. (.)
PRT	96857	0.25	96616	473 (3.91)	465 (6.43)	465 (26.76)	404 (12.97)
SVK	77067	0.07	77011	494 (2.94)	493 (7.97)	424 (15.03)	390 (31.86)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.66	58246	526 (2.54)	523 (6.20)	. (.)	. (.)
USA	3147089	0.76	3123066	487 (2.97)	461 (5.10)	448 (5.99)	384 (16.29)
TOT	.	37.84	.	485 (1.48)	466 (3.22)	456 (4.61)	360 (7.01)
AVG	.	50.13	.	496 (0.91)	484 (1.77)	471 (3.42)	384 (5.40)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	365 (3.41)	357 (7.30)	427 (21.73)	328 (5.14)
LVA	33643	33.61	22335	485 (4.54)	486 (9.58)	463 (29.25)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	0.53	68234	426 (3.29)	412 (6.70)	416 (11.75)	331 (7.13)
THA	637076	.	637076	427 (2.72)	418 (5.95)	377 (20.29)	400 (6.24)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	0.15	33724	418 (3.73)	414 (6.30)	404 (13.15)	308 (8.91)

Educational Career Questionnaire – Question 5

Q5 Have you changed your <study programme> since you started <grade X>?

Yes No

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes %	Yes (SE)	No %	No (SE)	Missing %	Missing (SE)
AUS	235591	100.00	0	.	(.)	.	(.)	.	(.)
AUT	85931	100.00	0	.	(.)	.	(.)	.	(.)
BEL	111831	1.83	109787	38.31	(0.96)	58.81	(0.94)	2.88	(0.32)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	21.45	(1.32)	76.11	(1.36)	2.44	(0.30)
GRC	105131	100.00	0	.	(.)	.	(.)	.	(.)
HUN	107044	0.06	106984	5.13	(0.35)	90.21	(0.78)	4.65	(0.70)
ISL	3928	100.00	0	.	(.)	.	(.)	.	(.)
IRL	54850	100.00	0	.	(.)	.	(.)	.	(.)
ITA	481521	0.39	479662	6.91	(0.44)	91.68	(0.49)	1.41	(0.26)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	.	533504	1.10	(0.19)	97.12	(0.86)	1.78	(0.92)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	8.65	(0.55)	76.83	(1.18)	14.51	(1.18)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	99.49	2727	.	(.)	95.45	(.)	4.55	(.)
PRT	96857	0.25	96616	1.94	(0.22)	72.79	(1.65)	25.27	(1.66)
SVK	77067	100.00	0	.	(.)	.	(.)	.	(.)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)
GBR	698579	100.00	0	.	(.)	.	(.)	.	(.)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)
TOT	.	73.23	.	11.14	(0.40)	81.92	(0.58)	6.94	(0.45)
AVG	.	76.93	.	11.78	(0.26)	80.61	(0.43)	7.61	(0.36)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	0.08	1969908	0.85	(0.18)	9.13	(0.96)	90.02	(1.04)
LVA	33643	100.00	0	.	(.)	.	(.)	.	(.)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)
YUG	68596	0.62	68172	3.30	(0.33)	93.14	(0.64)	3.55	(0.54)
THA	637076	.	637076	7.72	(0.46)	39.35	(1.05)	52.93	(1.05)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)
URY	33775	0.15	33724	23.54	(1.01)	68.92	(1.14)	7.54	(0.72)

Educational Career Questionnaire – Question 5

Q5 Have you changed your <study programme> since you started <grade X>?

Yes No

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	100.00	0	. (.)	. (.)	. (.)
AUT	85931	100.00	0	. (.)	. (.)	. (.)
BEL	111831	1.83	109787	500 (3.55)	524 (3.05)	367 (12.48)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	491 (5.53)	507 (3.35)	388 (15.06)
GRC	105131	100.00	0	. (.)	. (.)	. (.)
HUN	107044	0.06	106984	439 (7.29)	487 (2.63)	433 (10.59)
ISL	3928	100.00	0	. (.)	. (.)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)
ITA	481521	0.39	479662	435 (5.76)	480 (2.99)	378 (23.34)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	468 (12.17)	535 (3.11)	502 (21.33)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	396 (5.37)	412 (4.23)	336 (7.06)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)
PRT	96857	0.25	96616	458 (14.53)	500 (3.06)	415 (4.03)
SVK	77067	100.00	0	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	73.23	.	461 (3.70)	478 (1.94)	360 (6.95)
AVG	.	76.93	.	476 (2.67)	492 (1.33)	393 (4.53)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.08	1969908	344 (17.20)	391 (9.73)	381 (3.46)
LVA	33643	100.00	0	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.62	68172	382 (9.36)	416 (3.49)	346 (9.10)
THA	637076	.	637076	404 (5.24)	453 (3.64)	398 (3.36)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	429 (5.32)	446 (3.62)	345 (8.69)

Educational Career Questionnaire – Question 5

Q5 Have you changed your <study programme> since you started <grade X>?

Yes No

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	100.00	0	. (.)	. (.)	. (.)
AUT	85931	100.00	0	. (.)	. (.)	. (.)
BEL	111831	1.83	109787	517 (3.16)	549 (2.78)	411 (10.79)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	502 (6.07)	517 (3.19)	421 (11.77)
GRC	105131	100.00	0	. (.)	. (.)	. (.)
HUN	107044	0.06	106984	439 (7.61)	496 (2.99)	429 (11.01)
ISL	3928	100.00	0	. (.)	. (.)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)
ITA	481521	0.39	479662	433 (5.65)	470 (2.96)	356 (28.59)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	462 (12.44)	543 (3.27)	535 (17.70)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	380 (4.97)	396 (3.83)	334 (6.28)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)
PRT	96857	0.25	96616	456 (12.94)	488 (2.55)	403 (3.57)
SVK	77067	100.00	0	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	73.23	.	464 (3.96)	476 (2.00)	362 (6.70)
AVG	.	76.93	.	485 (2.70)	493 (1.31)	391 (4.35)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.08	1969908	315 (18.11)	370 (13.93)	360 (3.86)
LVA	33643	100.00	0	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.62	68172	417 (7.86)	440 (3.78)	383 (10.02)
THA	637076	.	637076	403 (4.96)	449 (3.94)	395 (3.48)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	413 (4.65)	433 (3.26)	356 (6.98)

Educational Career Questionnaire – Question 5

Q5 Have you changed your <study programme> since you started <grade X>?

Yes No

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	100.00	0	. (.)	. (.)	. (.)
AUT	85931	100.00	0	. (.)	. (.)	. (.)
BEL	111831	1.83	109787	497 (3.25)	527 (2.97)	388 (11.13)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	504 (6.19)	516 (3.53)	416 (14.51)
GRC	105131	100.00	0	. (.)	. (.)	. (.)
HUN	107044	0.06	106984	459 (7.87)	509 (2.87)	441 (10.85)
ISL	3928	100.00	0	. (.)	. (.)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)
ITA	481521	0.39	479662	452 (6.48)	491 (2.99)	342 (30.67)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	430 (15.24)	540 (3.55)	544 (19.66)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	398 (5.54)	413 (3.69)	367 (5.69)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)
PRT	96857	0.25	96616	469 (14.92)	489 (2.85)	407 (3.62)
SVK	77067	100.00	0	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	73.23	.	469 (3.78)	484 (1.90)	385 (5.90)
AVG	.	76.93	.	480 (2.57)	499 (1.32)	401 (4.20)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.08	1969908	373 (11.95)	400 (9.88)	395 (3.30)
LVA	33643	100.00	0	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.62	68172	405 (8.99)	440 (3.48)	390 (9.78)
THA	637076	.	637076	415 (5.42)	463 (3.63)	406 (2.83)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	428 (4.84)	449 (3.25)	372 (7.51)

Educational Career Questionnaire – Question 5

Q5 Have you changed your <study programme> since you started <grade X>?

Yes No

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	100.00	0	. (.)	. (.)	. (.)
AUT	85931	100.00	0	. (.)	. (.)	. (.)
BEL	111831	1.83	109787	514 (3.04)	544 (2.69)	400 (10.31)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	512 (5.83)	524 (3.11)	423 (11.73)
GRC	105131	100.00	0	. (.)	. (.)	. (.)
HUN	107044	0.06	106984	454 (8.35)	507 (3.01)	441 (11.65)
ISL	3928	100.00	0	. (.)	. (.)	. (.)
IRL	54850	100.00	0	. (.)	. (.)	. (.)
ITA	481521	0.39	479662	424 (5.42)	475 (2.92)	338 (29.81)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	.	533504	484 (13.18)	551 (3.08)	534 (18.87)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	383 (5.92)	396 (4.56)	324 (6.29)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	99.49	2727	. (.)	. (.)	. (.)
PRT	96857	0.25	96616	466 (15.11)	494 (2.82)	402 (4.44)
SVK	77067	100.00	0	. (.)	. (.)	. (.)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	100.00	0	. (.)	. (.)	. (.)
TOT	.	73.23	.	470 (4.03)	481 (2.24)	355 (6.70)
AVG	.	76.93	.	487 (2.73)	499 (1.42)	388 (4.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.08	1969908	326 (17.27)	367 (12.16)	361 (3.23)
LVA	33643	100.00	0	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.62	68172	403 (8.50)	424 (3.25)	335 (8.27)
THA	637076	.	637076	410 (5.34)	459 (3.54)	402 (3.48)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.15	33724	402 (5.29)	423 (3.74)	321 (6.94)

Educational Career Questionnaire – Question 6

Q6 What type of <Mathematics class> are you taking?

<high level>

<medium level>

<basic level>

Country Alphanumeric ISO Code	N All	% N/A	N Valid	<High Level> %	<High Level> (SE)	<Medium Level> %	<Medium Level> (SE)	<basic level> %	<basic level> (SE)	Missing %	Missing (SE)
AUS	235591	0.40	234653	32.20	(0.78)	41.70	(0.82)	13.75	(0.46)	4.30	(0.40)
AUT	85931	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
BEL	111831	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CZE	121183	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	12.58	(0.82)	13.83	(0.72)	5.52	(0.49)	68.08	(1.42)
GRC	105131	42.82	60117	24.26	(1.19)	42.52	(1.44)	30.82	(1.26)	2.41	(0.38)
HUN	107044	0.06	106984	10.80	(0.80)	.	(.)	86.16	(1.00)	3.04	(0.67)
ISL	3928	36.36	2499	40.10	(0.84)	41.81	(1.08)	15.57	(0.80)	2.52	(0.29)
IRL	54850	1.14	54227	45.58	(1.33)	47.08	(1.19)	4.98	(0.45)	2.36	(0.28)
ITA	481521	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
KOR	533504	48.46	274988	20.62	(1.47)	58.78	(1.94)	19.46	(1.22)	1.14	(0.28)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
PRT	96857	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SVK	77067	0.06	77024	10.57	(0.89)	80.71	(1.13)	6.39	(0.68)	2.33	(0.56)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
GBR	698579	91.84	57034	7.87	(0.53)	89.16	(0.69)	.	(.)	2.97	(0.39)
USA	3147089	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TOT	.	85.90	.	17.72	(0.51)	31.72	(0.49)	14.72	(0.42)	34.73	(0.85)
AVG	.	77.56	.	23.91	(0.37)	40.14	(0.48)	22.86	(0.37)	11.90	(0.31)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
YUG	68596	99.75	172	19.42	(.)	31.78	(.)	22.48	(.)	26.32	(.)
THA	637076	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)
URY	33775	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)

Educational Career Questionnaire – Question 6

Q6 What type of <Mathematics class> are you taking?

<high level>

<medium level>

<basic level>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	<High Level> mean (SE)	<Medium Level> mean (SE)	<Basic Level> mean (SE)	Missing mean (SE)
AUS	235591	0.40	234653	576 (2.30)	517 (2.27)	466 (3.35)	441 (7.66)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	100.00	0	. (.)	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	483 (6.94)	448 (5.42)	427 (7.52)	521 (3.61)
GRC	105131	42.82	60117	479 (6.48)	469 (5.45)	459 (6.14)	408 (24.85)
HUN	107044	0.06	106984	501 (6.04)	. (.)	481 (2.69)	452 (13.83)
ISL	3928	36.36	2499	532 (3.07)	468 (2.82)	420 (6.07)	401 (19.74)
IRL	54850	1.14	54227	565 (2.28)	483 (2.44)	406 (7.66)	417 (13.61)
ITA	481521	100.00	0	. (.)	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	48.46	274988	579 (5.19)	532 (4.68)	503 (6.17)	420 (26.33)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	100.00	0	. (.)	. (.)	. (.)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)	. (.)
SVK	77067	0.06	77024	452 (7.85)	477 (2.96)	433 (11.17)	363 (22.16)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.84	57034	537 (9.14)	518 (2.35)	. (.)	412 (12.08)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)
TOT	.	85.90	.	532 (3.09)	498 (2.19)	470 (2.26)	518 (3.56)
AVG	.	77.56	.	538 (1.72)	489 (1.44)	468 (1.81)	501 (3.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)
LVA	33643	100.00	0	. (.)	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	99.75	172	. (.)	. (.)	. (.)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)	. (.)

Educational Career Questionnaire – Question 6

Q6 What type of <Mathematics class> are you taking?

<high level>

<medium level>

<basic level>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	<High Level> mean (SE)	<Medium Level> mean (SE)	<Basic Level> mean (SE)	Missing mean (SE)
AUS	235591	0.40	234653	589 (2.20)	509 (2.22)	450 (2.80)	451 (6.63)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	100.00	0	. (.)	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	506 (6.76)	464 (4.54)	428 (6.45)	529 (3.55)
GRC	105131	42.82	60117	478 (6.88)	440 (5.58)	422 (4.75)	411 (16.38)
HUN	107044	0.06	106984	528 (6.68)	. (.)	487 (2.90)	455 (13.96)
ISL	3928	36.36	2499	569 (2.42)	491 (2.68)	428 (4.12)	447 (16.57)
IRL	54850	1.14	54227	559 (2.00)	464 (2.16)	387 (6.31)	426 (12.09)
ITA	481521	100.00	0	. (.)	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	48.46	274988	606 (6.55)	545 (5.10)	493 (5.85)	460 (18.19)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	100.00	0	. (.)	. (.)	. (.)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)	. (.)
SVK	77067	0.06	77024	491 (8.68)	504 (3.29)	466 (10.36)	401 (24.37)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.84	57034	563 (7.30)	524 (2.23)	. (.)	440 (11.52)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)
TOT	.	85.90	.	550 (3.22)	506 (2.22)	466 (2.23)	525 (3.47)
AVG	.	77.56	.	552 (1.58)	494 (1.46)	467 (1.88)	510 (3.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)
LVA	33643	100.00	0	. (.)	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	99.75	172	. (.)	. (.)	. (.)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)	. (.)

Educational Career Questionnaire – Question 6

Q6 What type of <Mathematics class> are you taking?

<high level>

<medium level>

<basic level>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	<High Level> mean (SE)	<Medium Level> mean (SE)	<Basic Level> mean (SE)	Missing mean (SE)
AUS	235591	0.40	234653	587 (2.31)	508 (2.47)	459 (3.44)	455 (7.69)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	100.00	0	. (.)	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	500 (7.24)	458 (5.11)	423 (7.78)	531 (3.71)
GRC	105131	42.82	60117	504 (6.66)	477 (5.30)	453 (5.27)	438 (17.10)
HUN	107044	0.06	106984	533 (6.53)	. (.)	501 (2.82)	465 (13.56)
ISL	3928	36.36	2499	542 (2.78)	466 (2.94)	419 (5.94)	421 (15.92)
IRL	54850	1.14	54227	561 (2.48)	466 (2.58)	391 (6.96)	445 (11.95)
ITA	481521	100.00	0	. (.)	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	48.46	274988	600 (6.36)	539 (5.52)	488 (6.98)	454 (21.54)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	100.00	0	. (.)	. (.)	. (.)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)	. (.)
SVK	77067	0.06	77024	487 (8.80)	502 (3.71)	463 (10.45)	386 (21.45)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.84	57034	549 (9.17)	513 (2.62)	. (.)	434 (12.88)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)
TOT	.	85.90	.	548 (3.29)	503 (2.35)	473 (2.55)	528 (3.66)
AVG	.	77.56	.	550 (1.68)	493 (1.60)	478 (1.85)	513 (3.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)
LVA	33643	100.00	0	. (.)	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	99.75	172	. (.)	. (.)	. (.)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)	. (.)

Educational Career Questionnaire – Question 6

Q6 What type of <Mathematics class> are you taking?

<high level>

<medium level>

<basic level>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	<High Level> mean (SE)	<Medium Level> mean (SE)	<Basic Level> mean (SE)	Missing mean (SE)
AUS	235591	0.40	234653	587 (2.18)	518 (2.12)	462 (2.89)	455 (6.44)
AUT	85931	100.00	0	. (.)	. (.)	. (.)	. (.)
BEL	111831	100.00	0	. (.)	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)	. (.)
CZE	121183	100.00	0	. (.)	. (.)	. (.)	. (.)
DNK	51741	100.00	0	. (.)	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	510 (6.70)	471 (4.23)	446 (6.83)	536 (3.47)
GRC	105131	42.82	60117	473 (7.29)	443 (5.73)	424 (5.03)	422 (18.33)
HUN	107044	0.06	106984	529 (6.51)	. (.)	499 (2.98)	462 (15.00)
ISL	3928	36.36	2499	553 (2.37)	481 (2.49)	422 (4.15)	431 (17.22)
IRL	54850	1.14	54227	549 (2.21)	464 (2.14)	394 (6.20)	419 (10.76)
ITA	481521	100.00	0	. (.)	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)	. (.)
KOR	533504	48.46	274988	602 (6.09)	549 (4.75)	506 (6.01)	470 (21.09)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)
MEX	1071650	100.00	0	. (.)	. (.)	. (.)	. (.)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)
NZL	48638	100.00	0	. (.)	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)
POL	534900	100.00	0	. (.)	. (.)	. (.)	. (.)
PRT	96857	100.00	0	. (.)	. (.)	. (.)	. (.)
SVK	77067	0.06	77024	482 (8.23)	499 (3.28)	451 (10.95)	412 (25.49)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)	. (.)
GBR	698579	91.84	57034	559 (7.94)	526 (2.24)	. (.)	439 (11.17)
USA	3147089	100.00	0	. (.)	. (.)	. (.)	. (.)
TOT	.	85.90	.	549 (3.07)	509 (2.17)	478 (2.48)	533 (3.42)
AVG	.	77.56	.	545 (1.56)	494 (1.48)	476 (2.02)	517 (3.32)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)
LVA	33643	100.00	0	. (.)	. (.)	. (.)	. (.)
LIE	338	100.00	0	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)	. (.)
YUG	68596	99.75	172	. (.)	. (.)	. (.)	. (.)
THA	637076	100.00	0	. (.)	. (.)	. (.)	. (.)
TUN	150875	100.00	0	. (.)	. (.)	. (.)	. (.)
URY	33775	100.00	0	. (.)	. (.)	. (.)	. (.)

Educational Career Questionnaire – Question 7
<Q7 In your last school report, what was your mark in Mathematics?
<Mark>

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	100.00	.	.	. (.)	.	.	.	.	.	.	.
AUT	85931	1.08	85003	6.44	2.9 (0.02)	1.00	1.00	2.00	3.00	4.00	4.00	5.00
BEL	111831	1.79	109825	16.87	65.3 (0.33)	35.00	43.00	55.00	67.00	79.00	86.00	90.00
CAN	330436	100.00	.	.	. (.)	.	.	.	.	.	.	.
CZE	121183	4.11	116203	1.41	2.7 (0.03)	1.00	1.00	2.00	3.00	3.00	4.00	4.00
DNK	51741	100.00	.	.	. (.)	.	.	.	.	.	.	.
FIN	57884	0.07	57845	.	10.9 (0.40)	5.00	6.00	7.00	8.00	9.00	10.00	10.00
FRA	734579	100.00	.	.	. (.)	.	.	.	.	.	.	.
DEU	884358	5.57	835070	2.68	3.0 (0.02)	2.00	2.00	2.00	3.00	4.00	4.00	5.00
GRC	105131	100.00	.	.	. (.)	.	.	.	.	.	.	.
HUN	107044	0.06	106984	5.25	3.0 (0.03)	1.00	2.00	2.00	3.00	4.00	4.00	5.00
ISL	3928	0.63	3903	3.68	6.9 (0.04)	3.00	4.00	5.00	7.00	9.00	9.00	10.00
IRL	54850	1.03	54285	2.67	61.6 (0.45)	18.00	33.00	48.00	63.00	78.00	93.00	93.00
ITA	481521	0.39	479635	1.94	5.9 (0.03)	3.00	4.00	5.00	6.00	7.00	8.00	8.00
JPN	1240054	100.00	.	.	. (.)	.	.	.	.	.	.	.
KOR	533504	.	533504	2.11	3.1 (0.06)	1.00	1.00	2.00	3.00	4.00	5.00	5.00
LUX	4080	100.00	.	.	. (.)	.	.	.	.	.	.	.
MEX	1071650	100.00	.	.	. (.)	.	.	.	.	.	.	.
NLD	184943	100.00	.	.	. (.)	.	.	.	.	.	.	.
NZL	48638	100.00	.	.	. (.)	.	.	.	.	.	.	.
NOR	52816	100.00	.	.	. (.)	.	.	.	.	.	.	.
POL	534900	.	534900	2.55	3.4 (0.03)	2.00	2.00	3.00	3.00	4.00	5.00	5.00
PRT	96857	0.25	96616	3.53	8.3 (0.23)	2.00	2.00	3.00	8.00	12.00	16.00	17.00
SVK	77067	0.05	77029	1.35	3.5 (0.02)	2.00	2.00	3.00	3.00	4.00	5.00	5.00
ESP	344372	100.00	.	.	. (.)	.	.	.	.	.	.	.
SWE	107104	100.00	.	.	. (.)	.	.	.	.	.	.	.
CHE	86491	100.00	.	.	. (.)	.	.	.	.	.	.	.
TUR	481279	100.00	.	.	. (.)	.	.	.	.	.	.	.
GBR	698579	100.00	.	.	. (.)	.	.	.	.	.	.	.
USA	3147089	100.00	.	.	. (.)	.	.	.	.	.	.	.
TOT	.	74.40	.	3.04	6.8 (0.05)	1.00	2.00	3.00	4.00	5.00	7.00	17.00
AVG	.	57.17	.	3.88	13.3 (0.11)	2.00	2.00	3.00	4.00	8.00	56.00	75.00
HKG	72484	100.00	.	.	. (.)	.	.	.	.	.	.	.
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	33.56	22351	3.51	5.4 (0.07)	3.00	3.00	4.00	5.00	7.00	8.00	8.00
LIE	338	100.00	.	.	. (.)	.	.	.	.	.	.	.
MAC	6546	100.00	.	.	. (.)	.	.	.	.	.	.	.
RUS	2153373	100.00	.	.	. (.)	.	.	.	.	.	.	.
YUG	68596	0.51	68244	4.45	2.7 (0.04)	1.00	1.00	2.00	2.00	3.00	4.00	5.00
THA	637076	.	637076	9.73	2.2 (0.03)	1.00	1.00	2.00	2.00	3.00	4.00	4.00
TUN	150875	100.00	.	.	. (.)	.	.	.	.	.	.	.
URY	33775	100.00	.	.	. (.)	.	.	.	.	.	.	.

Educational Career Questionnaire – Question 7

<Q7 In your last school report, how did your <mark> in Mathematics compare with the <pass mark>?
At or above the <pass mark>
Below the <pass mark>

Country Alphanumeric ISO Code	N All	% N/A	N Valid	At or above <pass mark> %	(SE)	Below <pass mark> %	(SE)	Missing %	(SE)
AUS	235591	0.34	234783	79.87	(0.85)	16.18	(0.70)	3.95	(0.46)
AUT	85931	1.08	85003	87.72	(0.72)	5.84	(0.48)	6.44	(0.65)
BEL	111831	100.00	0	.	(.)	.	(.)	.	(.)
CAN	330436	100.00	0	.	(.)	.	(.)	.	(.)
CZE	121183	4.11	116203	96.64	(0.54)	1.95	(0.27)	1.41	(0.45)
DNK	51741	100.00	0	.	(.)	.	(.)	.	(.)
FIN	57884	100.00	0	.	(.)	.	(.)	.	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	89.79	(0.72)	7.53	(0.54)	2.68	(0.55)
GRC	105131	0.13	104991	95.49	(0.35)	3.93	(0.34)	0.57	(.)
HUN	107044	0.06	106984	88.13	(0.89)	6.62	(0.59)	5.25	(0.70)
ISL	3928	0.66	3902	76.90	(0.79)	19.42	(0.77)	3.68	(0.31)
IRL	54850	1.03	54285	82.92	(0.77)	14.41	(0.71)	2.67	(0.29)
ITA	481521	100.00	0	.	(.)	.	(.)	.	(.)
JPN	1240054	100.00	0	.	(.)	.	(.)	.	(.)
KOR	533504	100.00	0	.	(.)	.	(.)	.	(.)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	68.55	(1.05)	17.55	(0.70)	13.89	(1.08)
NLD	184943	3.33	178789	69.82	(1.27)	26.89	(1.19)	3.29	(0.42)
NZL	48638	100.00	0	.	(.)	.	(.)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	74.19	(0.87)	23.26	(0.85)	2.55	(0.31)
PRT	96857	0.25	96616	54.66	(1.20)	41.81	(1.24)	3.53	(0.34)
SVK	77067	0.05	77029	97.45	(0.29)	1.20	(0.19)	1.35	(0.21)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	100.00	0	.	(.)	.	(.)	.	(.)
CHE	86491	100.00	0	.	(.)	.	(.)	.	(.)
TUR	481279	100.00	0	.	(.)	.	(.)	.	(.)
GBR	698579	100.00	0	.	(.)	.	(.)	.	(.)
USA	3147089	0.76	3123066	85.75	(0.74)	11.85	(0.62)	2.41	(0.28)
TOT	.	45.18	.	81.97	(0.41)	13.58	(0.31)	4.44	(0.24)
AVG	.	53.92	.	81.95	(0.28)	14.21	(0.25)	3.84	(0.13)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	0.09	1969682	75.02	(0.96)	14.44	(0.61)	10.54	(0.85)
LVA	33643	33.56	22351	83.53	(1.28)	12.96	(1.12)	3.51	(0.40)
LIE	338	100.00	0	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	100.00	0	.	(.)	.	(.)	.	(.)
YUG	68596	0.51	68244	82.80	(1.12)	12.75	(0.86)	4.45	(0.78)
THA	637076	.	637076	87.82	(0.67)	2.46	(0.39)	9.73	(0.55)
TUN	150875	100.00	0	.	(.)	.	(.)	.	(.)
URY	33775	0.18	33713	59.47	(0.98)	33.71	(0.94)	6.82	(0.60)

Educational Career Questionnaire – Question 7

<Q7 In your last school report, how did your <mark> in Mathematics compare with the <pass mark>?

At or above the <pass mark>

Below the <pass mark>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	At or above <pass mark> mean (SE)	Below <pass mark> mean (SE)	Missing mean (SE)
AUS	235591	0.34	234783	539 (1.86)	485 (4.39)	434 (7.82)
AUT	85931	1.08	85003	495 (3.51)	493 (6.16)	466 (9.95)
BEL	111831	100.00	0	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	498 (2.75)	434 (12.53)	456 (34.84)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	507 (3.38)	465 (7.61)	406 (19.34)
GRC	105131	0.13	104991	477 (3.94)	396 (8.80)	. (.)
HUN	107044	0.06	106984	488 (2.57)	449 (5.66)	416 (12.50)
ISL	3928	0.66	3902	508 (1.66)	447 (3.51)	412 (11.83)
IRL	54850	1.03	54285	524 (2.58)	482 (4.48)	413 (11.97)
ITA	481521	100.00	0	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	410 (4.25)	410 (5.02)	338 (7.48)
NLD	184943	3.33	178789	521 (2.85)	515 (3.96)	460 (8.54)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	521 (2.64)	431 (4.13)	398 (16.61)
PRT	96857	0.25	96616	503 (3.51)	449 (4.32)	431 (9.42)
SVK	77067	0.05	77029	471 (3.07)	395 (12.24)	375 (14.34)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	0.76	3123066	507 (2.94)	435 (5.57)	393 (14.63)
TOT	.	45.18	.	495 (1.71)	439 (2.79)	371 (6.19)
AVG	.	53.92	.	497 (0.93)	457 (1.69)	403 (4.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	389 (3.39)	375 (5.14)	338 (5.33)
LVA	33643	33.56	22351	508 (4.23)	426 (6.64)	453 (13.12)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	420 (3.50)	379 (4.89)	368 (16.21)
THA	637076	.	637076	425 (2.83)	382 (11.95)	381 (4.53)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.18	33713	455 (3.93)	415 (3.84)	347 (9.18)

Educational Career Questionnaire – Question 7

<Q7 In your last school report, how did your <mark> in Mathematics compare with the <pass mark>?

At or above the <pass mark>

Below the <pass mark>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	At or above <pass mark> mean (SE)	Below <pass mark> mean (SE)	Missing mean (SE)
AUS	235591	0.34	234783	539 (1.90)	475 (3.66)	439 (5.94)
AUT	85931	1.08	85003	511 (3.15)	493 (5.97)	470 (7.73)
BEL	111831	100.00	0	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	524 (3.17)	457 (12.32)	479 (35.91)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	518 (3.37)	457 (7.09)	441 (12.57)
GRC	105131	0.13	104991	449 (3.84)	367 (8.03)	. (.)
HUN	107044	0.06	106984	497 (2.99)	446 (5.11)	426 (11.41)
ISL	3928	0.66	3902	536 (1.37)	446 (3.07)	449 (8.26)
IRL	54850	1.03	54285	513 (2.34)	460 (4.56)	425 (10.79)
ITA	481521	100.00	0	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	396 (4.02)	385 (4.55)	333 (6.08)
NLD	184943	3.33	178789	554 (2.95)	525 (4.48)	453 (8.49)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	515 (2.31)	420 (3.06)	411 (12.97)
PRT	96857	0.25	96616	497 (3.06)	431 (3.67)	408 (9.04)
SVK	77067	0.05	77029	501 (3.29)	409 (11.73)	398 (15.25)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	0.76	3123066	494 (2.75)	423 (5.18)	403 (13.54)
TOT	.	45.18	.	489 (1.61)	426 (2.63)	375 (5.44)
AVG	.	53.92	.	503 (0.89)	447 (1.63)	409 (3.60)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	368 (3.97)	348 (5.16)	322 (5.87)
LVA	33643	33.56	22351	501 (4.42)	411 (5.58)	451 (12.09)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	446 (3.82)	390 (4.99)	400 (11.11)
THA	637076	.	637076	424 (3.00)	364 (7.64)	371 (4.39)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.18	33713	445 (3.83)	397 (3.27)	352 (8.86)

Educational Career Questionnaire – Question 7

<Q7 In your last school report, how did your <mark> in Mathematics compare with the <pass mark>?

At or above the <pass mark>

Below the <pass mark>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	At or above <pass mark> mean (SE)	Below <pass mark> mean (SE)	Missing mean (SE)
AUS	235591	0.34	234783	539 (1.91)	477 (3.75)	443 (7.47)
AUT	85931	1.08	85003	496 (3.34)	492 (5.45)	455 (7.55)
BEL	111831	100.00	0	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	530 (3.07)	468 (13.62)	485 (36.66)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	517 (3.66)	462 (7.61)	444 (18.75)
GRC	105131	0.13	104991	485 (3.77)	401 (7.14)	. (.)
HUN	107044	0.06	106984	510 (2.94)	466 (5.06)	439 (11.52)
ISL	3928	0.66	3902	514 (1.76)	431 (3.10)	432 (10.02)
IRL	54850	1.03	54285	514 (2.59)	465 (4.44)	429 (12.35)
ITA	481521	100.00	0	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	412 (4.15)	406 (3.81)	368 (5.41)
NLD	184943	3.33	178789	535 (3.24)	522 (4.81)	448 (9.38)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	522 (2.77)	426 (3.68)	440 (15.02)
PRT	96857	0.25	96616	495 (3.22)	438 (3.96)	408 (9.48)
SVK	77067	0.05	77029	497 (3.59)	414 (13.28)	420 (17.71)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	0.76	3123066	502 (2.84)	432 (5.73)	413 (15.10)
TOT	.	45.18	.	496 (1.65)	435 (2.73)	397 (5.41)
AVG	.	53.92	.	506 (0.84)	452 (1.63)	420 (3.44)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	401 (3.26)	386 (4.39)	366 (5.00)
LVA	33643	33.56	22351	506 (4.59)	418 (6.07)	462 (13.68)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	443 (3.61)	402 (4.42)	410 (16.28)
THA	637076	.	637076	435 (2.74)	388 (8.74)	385 (4.60)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.18	33713	461 (3.62)	413 (3.62)	367 (8.10)

Educational Career Questionnaire – Question 7

<Q7 In your last school report, how did your <mark> in Mathematics compare with the <pass mark>?
At or above the <pass mark>
Below the <pass mark>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	At or above <pass mark> mean (SE)	Below <pass mark> mean (SE)	Missing mean (SE)
AUS	235591	0.34	234783	543 (1.68)	487 (3.57)	445 (6.07)
AUT	85931	1.08	85003	511 (3.10)	499 (5.61)	469 (7.17)
BEL	111831	100.00	0	. (.)	. (.)	. (.)
CAN	330436	100.00	0	. (.)	. (.)	. (.)
CZE	121183	4.11	116203	524 (3.03)	457 (12.19)	492 (35.68)
DNK	51741	100.00	0	. (.)	. (.)	. (.)
FIN	57884	100.00	0	. (.)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	525 (3.36)	474 (6.77)	447 (15.56)
GRC	105131	0.13	104991	452 (3.94)	374 (8.40)	. (.)
HUN	107044	0.06	106984	509 (2.95)	453 (5.12)	424 (13.20)
ISL	3928	0.66	3902	524 (1.34)	443 (2.91)	431 (8.78)
IRL	54850	1.03	54285	508 (2.29)	455 (4.30)	425 (9.30)
ITA	481521	100.00	0	. (.)	. (.)	. (.)
JPN	1240054	100.00	0	. (.)	. (.)	. (.)
KOR	533504	100.00	0	. (.)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	394 (4.83)	393 (5.27)	327 (5.99)
NLD	184943	3.33	178789	534 (2.93)	506 (4.81)	426 (8.51)
NZL	48638	100.00	0	. (.)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	509 (2.58)	426 (3.52)	401 (17.74)
PRT	96857	0.25	96616	502 (3.40)	433 (4.39)	417 (9.79)
SVK	77067	0.05	77029	494 (3.34)	407 (12.85)	398 (14.54)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	100.00	0	. (.)	. (.)	. (.)
CHE	86491	100.00	0	. (.)	. (.)	. (.)
TUR	481279	100.00	0	. (.)	. (.)	. (.)
GBR	698579	100.00	0	. (.)	. (.)	. (.)
USA	3147089	0.76	3123066	489 (2.89)	411 (5.63)	396 (13.72)
TOT	.	45.18	.	487 (1.73)	424 (3.00)	370 (5.87)
AVG	.	53.92	.	502 (0.93)	447 (1.85)	405 (3.93)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	0.09	1969682	367 (3.31)	356 (4.80)	329 (4.90)
LVA	33643	33.56	22351	498 (4.61)	410 (7.19)	449 (12.34)
LIE	338	100.00	0	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	100.00	0	. (.)	. (.)	. (.)
YUG	68596	0.51	68244	429 (3.26)	386 (4.81)	359 (12.04)
THA	637076	.	637076	431 (2.69)	374 (8.69)	381 (4.89)
TUN	150875	100.00	0	. (.)	. (.)	. (.)
URY	33775	0.18	33713	430 (4.15)	394 (3.73)	323 (7.76)

Educational Career Questionnaire – Question 7
<Q7 In your last school report, what was your mark in Mathematics?
<Mark>

Percentiles

Country Alphanumeric ISO Code	N All	% NA	N Valid	% Other	Mean(SE)	P5	P10	P25	P50	P75	P90	P95
AUS	235591	100.00	.	.	. (.)	.	.	.	.	.	.	.
AUT	85931	100.00	.	.	. (.)	.	.	.	.	.	.	.
BEL	111831	100.00	.	.	. (.)	.	.	.	.	.	.	.
CAN	330436	100.00	.	.	. (.)	.	.	.	.	.	.	.
CZE	121183	100.00	.	.	. (.)	.	.	.	.	.	.	.
DNK	51741	100.00	.	.	. (.)	.	.	.	.	.	.	.
FIN	57884	100.00	.	.	. (.)	.	.	.	.	.	.	.
FRA	734579	100.00	.	.	. (.)	.	.	.	.	.	.	.
DEU	884358	100.00	.	.	. (.)	.	.	.	.	.	.	.
GRC	105131	100.00	.	.	. (.)	.	.	.	.	.	.	.
HUN	107044	100.00	.	.	. (.)	.	.	.	.	.	.	.
ISL	3928	1.20	3881	3.70	63.5 (0.42)	22.22	27.78	44.44	66.67	83.33	91.11	94.44
IRL	54850	1.03	54285	2.67	61.6 (0.45)	18.00	33.00	48.00	63.00	78.00	93.00	93.00
ITA	481521	100.00	.	.	. (.)	.	.	.	.	.	.	.
JPN	1240054	100.00	.	.	. (.)	.	.	.	.	.	.	.
KOR	533504	100.00	.	.	. (.)	.	.	.	.	.	.	.
LUX	4080	100.00	.	.	. (.)	.	.	.	.	.	.	.
MEX	1071650	100.00	.	.	. (.)	.	.	.	.	.	.	.
NLD	184943	100.00	.	.	. (.)	.	.	.	.	.	.	.
NZL	48638	100.00	.	.	. (.)	.	.	.	.	.	.	.
NOR	52816	100.00	.	.	. (.)	.	.	.	.	.	.	.
POL	534900	.	534900	2.55	56.1 (0.43)	33.33	33.33	50.00	50.00	66.67	83.33	83.33
PRT	96857	0.25	96616	3.53	47.9 (0.68)	25.00	25.00	26.32	47.37	63.16	78.95	84.21
SVK	77067	0.05	77029	1.35	69.4 (0.46)	40.00	40.00	60.00	60.00	80.00	100.0	100.0
ESP	344372	100.00	.	.	. (.)	.	.	.	.	.	.	.
SWE	107104	100.00	.	.	. (.)	.	.	.	.	.	.	.
CHE	86491	100.00	.	.	. (.)	.	.	.	.	.	.	.
TUR	481279	100.00	.	.	. (.)	.	.	.	.	.	.	.
GBR	698579	100.00	.	.	. (.)	.	.	.	.	.	.	.
USA	3147089	100.00	.	.	. (.)	.	.	.	.	.	.	.
TOT	.	93.65	.	2.57	56.8 (0.31)	25.00	33.33	42.11	50.00	66.67	83.33	83.33
AVG	.	83.42	.	2.76	59.7 (0.26)	25.00	31.58	44.44	60.00	78.00	88.89	95.56
HKG	72484	100.00	.	.	. (.)	.	.	.	.	.	.	.
IDN	1971476	100.00	.	.	. (.)	.	.	.	.	.	.	.
LVA	33643	33.56	22351	3.51	49.3 (0.78)	22.22	22.22	33.33	44.44	66.67	77.78	77.78
LIE	338	100.00	.	.	. (.)	.	.	.	.	.	.	.
MAC	6546	100.00	.	.	. (.)	.	.	.	.	.	.	.
RUS	2153373	100.00	.	.	. (.)	.	.	.	.	.	.	.
YUG	68596	100.00	.	.	. (.)	.	.	.	.	.	.	.
THA	637076	100.00	.	.	. (.)	.	.	.	.	.	.	.
TUN	150875	100.00	.	.	. (.)	.	.	.	.	.	.	.
URY	33775	100.00	.	.	. (.)	.	.	.	.	.	.	.

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At home
<Yes No>

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes %	Yes (SE)	No %	No (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	94.33	(0.35)	3.42	(0.23)	2.26	(0.22)
AUT	85931	1.08	85003	94.82	(0.41)	3.06	(0.30)	2.12	(0.26)
BEL	111831	1.79	109825	88.26	(0.56)	6.07	(0.32)	5.67	(0.53)
CAN	330436	9.70	298375	93.81	(0.29)	4.60	(0.24)	1.60	(0.13)
CZE	121183	4.05	116275	77.95	(0.75)	17.51	(0.64)	4.53	(0.37)
DNK	51741	0.65	51406	95.02	(0.39)	2.92	(0.28)	2.06	(0.26)
FIN	57884	0.07	57845	90.37	(0.47)	9.07	(0.46)	0.55	(0.10)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	91.83	(0.58)	3.72	(0.35)	4.45	(0.47)
GRC	105131	0.13	104991	57.97	(1.42)	28.42	(1.05)	13.61	(0.71)
HUN	107044	0.06	106984	69.88	(0.89)	23.29	(0.72)	6.83	(0.52)
ISL	3928	0.63	3903	97.18	(0.27)	1.65	(0.21)	1.17	(0.18)
IRL	54850	1.03	54285	83.55	(0.88)	12.05	(0.70)	4.40	(0.44)
ITA	481521	0.13	480897	81.28	(0.80)	12.35	(0.64)	6.36	(0.48)
JPN	1240054	0.10	1238855	69.30	(0.99)	18.98	(0.74)	11.72	(0.63)
KOR	533504	0.02	533410	97.00	(0.30)	2.06	(0.25)	0.94	(0.15)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	34.46	(1.79)	33.29	(1.06)	32.25	(1.43)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	1.87	47730	89.63	(0.53)	8.36	(0.46)	2.01	(0.21)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	63.80	(1.09)	35.65	(1.10)	0.55	(.)
PRT	96857	0.25	96616	75.92	(1.17)	14.79	(0.73)	9.29	(0.69)
SVK	77067	0.04	77039	59.19	(1.26)	22.67	(0.93)	18.14	(0.84)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	0.25	106836	95.32	(0.37)	2.37	(0.24)	2.30	(0.27)
CHE	86491	0.14	86370	94.10	(0.42)	3.10	(0.29)	2.80	(0.27)
TUR	481279	0.03	481137	25.09	(1.84)	43.33	(1.30)	31.58	(1.36)
GBR	698579	91.66	58246	90.76	(0.60)	6.55	(0.50)	2.69	(0.33)
USA	3147089	0.76	3123066	88.37	(0.68)	10.10	(0.68)	1.53	(0.19)
TOT	.	17.26	.	75.83	(0.44)	15.72	(0.28)	8.45	(0.27)
AVG	.	20.69	.	79.44	(0.26)	13.50	(0.17)	7.06	(0.16)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)
LVA	33643	0.22	33570	46.88	(1.61)	38.32	(1.36)	14.80	(0.80)
LIE	338	.	338	96.09	(1.09)	1.52	(.)	2.40	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	30.59	(1.77)	51.34	(1.55)	18.07	(0.87)
YUG	68596	0.85	68014	39.97	(1.31)	30.65	(1.22)	29.37	(1.46)
THA	637076	.	637076	26.45	(1.17)	57.63	(1.42)	15.92	(1.09)
TUN	150875	0.08	150752	27.91	(1.29)	46.19	(1.46)	25.90	(1.02)
URY	33775	0.15	33724	45.65	(1.22)	27.13	(0.97)	27.22	(0.97)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At home
<Yes No>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (1.90)	455 (10.31)	404 (7.90)
AUT	85931	1.08	85003	498 (3.46)	425 (8.69)	380 (11.15)
BEL	111831	1.79	109825	525 (2.40)	432 (8.07)	372 (11.32)
CAN	330436	9.70	298375	535 (1.56)	479 (4.11)	450 (8.57)
CZE	121183	4.05	116275	506 (2.80)	470 (4.15)	416 (9.18)
DNK	51741	0.65	51406	496 (2.74)	449 (10.22)	417 (13.13)
FIN	57884	0.07	57845	547 (1.67)	516 (4.48)	481 (23.14)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	509 (3.27)	429 (9.17)	386 (10.18)
GRC	105131	0.13	104991	490 (4.77)	459 (4.16)	428 (5.15)
HUN	107044	0.06	106984	500 (2.74)	455 (3.56)	392 (7.54)
ISL	3928	0.63	3903	494 (1.56)	462 (13.38)	399 (21.71)
IRL	54850	1.03	54285	525 (2.51)	474 (5.44)	434 (10.31)
ITA	481521	0.13	480897	488 (2.69)	434 (5.26)	398 (8.28)
JPN	1240054	0.10	1238855	516 (3.93)	461 (5.51)	454 (6.95)
KOR	533504	0.02	533410	536 (3.05)	472 (9.42)	460 (15.48)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	447 (4.97)	391 (3.91)	358 (4.70)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	531 (2.43)	469 (6.43)	438 (11.73)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	511 (2.85)	473 (3.27)	. (.)
PRT	96857	0.25	96616	493 (3.44)	441 (5.15)	410 (6.50)
SVK	77067	0.04	77039	494 (2.37)	445 (5.43)	418 (4.79)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	518 (2.31)	465 (12.79)	436 (17.25)
CHE	86491	0.14	86370	505 (3.09)	420 (10.28)	389 (10.31)
TUR	481279	0.03	481137	490 (10.88)	433 (4.95)	413 (5.77)
GBR	698579	91.66	58246	522 (2.59)	468 (6.67)	437 (14.07)
USA	3147089	0.76	3123066	505 (3.00)	424 (6.64)	438 (11.18)
TOT	.	17.26	.	508 (1.27)	434 (2.06)	398 (2.98)
AVG	.	20.69	.	511 (0.69)	448 (1.32)	405 (2.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	506 (4.51)	485 (4.30)	456 (5.09)
LIE	338	.	338	528 (3.69)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	470 (4.01)	437 (4.06)	408 (6.10)
YUG	68596	0.85	68014	431 (4.05)	412 (4.28)	386 (3.80)
THA	637076	.	637076	460 (5.00)	409 (2.70)	393 (3.49)
TUN	150875	0.08	150752	392 (5.84)	377 (3.21)	351 (3.92)
URY	33775	0.15	33724	476 (4.09)	411 (4.82)	387 (5.03)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At home
<Yes No>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	530 (2.00)	451 (7.39)	417 (7.13)
AUT	85931	1.08	85003	512 (3.05)	444 (7.94)	406 (11.62)
BEL	111831	1.79	109825	547 (2.22)	446 (6.22)	405 (9.44)
CAN	330436	9.70	298375	540 (1.63)	483 (3.96)	471 (8.19)
CZE	121183	4.05	116275	536 (3.18)	484 (4.15)	436 (6.58)
DNK	51741	0.65	51406	518 (2.71)	458 (11.02)	431 (13.57)
FIN	57884	0.07	57845	548 (1.85)	510 (4.21)	471 (22.69)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	519 (3.27)	440 (8.08)	410 (10.10)
GRC	105131	0.13	104991	465 (4.52)	428 (3.94)	395 (4.23)
HUN	107044	0.06	106984	512 (3.08)	450 (3.44)	407 (7.65)
ISL	3928	0.63	3903	517 (1.44)	478 (13.52)	434 (17.43)
IRL	54850	1.03	54285	513 (2.32)	461 (5.11)	424 (7.00)
ITA	481521	0.13	480897	479 (2.87)	422 (5.23)	384 (6.17)
JPN	1240054	0.10	1238855	550 (4.26)	496 (5.23)	501 (6.51)
KOR	533504	0.02	533410	545 (3.22)	472 (8.68)	444 (13.78)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	429 (4.43)	381 (3.41)	343 (3.76)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	533 (2.10)	464 (4.82)	436 (10.50)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	507 (2.44)	462 (2.82)	. (.)
PRT	96857	0.25	96616	481 (3.16)	429 (4.17)	401 (5.01)
SVK	77067	0.04	77039	526 (2.58)	475 (5.79)	439 (4.74)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	513 (2.46)	459 (10.95)	397 (13.14)
CHE	86491	0.14	86370	532 (3.28)	442 (8.44)	423 (8.70)
TUR	481279	0.03	481137	483 (13.06)	413 (5.04)	390 (5.88)
GBR	698579	91.66	58246	530 (2.23)	466 (6.20)	463 (12.04)
USA	3147089	0.76	3123066	492 (2.84)	416 (5.79)	424 (12.22)
TOT	.	17.26	.	508 (1.16)	431 (1.94)	395 (2.87)
AVG	.	20.69	.	518 (0.64)	443 (1.23)	403 (1.97)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	504 (4.76)	475 (3.56)	441 (5.25)
LIE	338	.	338	539 (4.37)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	499 (4.89)	462 (4.18)	436 (6.18)
YUG	68596	0.85	68014	461 (4.32)	437 (3.97)	404 (4.11)
THA	637076	.	637076	464 (5.47)	404 (2.91)	384 (3.62)
TUN	150875	0.08	150752	385 (5.64)	356 (2.48)	336 (3.06)
URY	33775	0.15	33724	463 (3.83)	403 (3.56)	374 (4.16)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At home
<Yes No>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	531 (1.97)	456 (7.82)	419 (7.98)
AUT	85931	1.08	85003	497 (3.29)	430 (8.15)	413 (10.85)
BEL	111831	1.79	109825	525 (2.33)	435 (6.91)	382 (9.77)
CAN	330436	9.70	298375	527 (1.81)	464 (4.11)	446 (8.44)
CZE	121183	4.05	116275	542 (3.11)	490 (4.92)	445 (8.11)
DNK	51741	0.65	51406	480 (2.97)	419 (13.01)	373 (15.05)
FIN	57884	0.07	57845	552 (1.94)	517 (5.38)	472 (21.11)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	520 (3.49)	433 (8.51)	398 (10.55)
GRC	105131	0.13	104991	501 (4.49)	463 (4.52)	435 (5.39)
HUN	107044	0.06	106984	523 (3.11)	469 (3.75)	419 (6.70)
ISL	3928	0.63	3903	497 (1.53)	458 (13.40)	405 (17.36)
IRL	54850	1.03	54285	516 (2.60)	460 (5.33)	424 (7.19)
ITA	481521	0.13	480897	501 (2.87)	444 (5.89)	390 (6.83)
JPN	1240054	0.10	1238855	564 (4.44)	510 (5.79)	514 (6.64)
KOR	533504	0.02	533410	541 (3.50)	461 (11.38)	428 (13.73)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	444 (4.34)	398 (2.89)	370 (3.77)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	532 (2.30)	455 (5.44)	421 (10.42)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	516 (2.99)	466 (3.19)	. (.)
PRT	96857	0.25	96616	484 (3.24)	430 (4.77)	400 (5.99)
SVK	77067	0.04	77039	524 (2.73)	465 (7.70)	438 (5.39)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	511 (2.71)	451 (12.92)	391 (13.74)
CHE	86491	0.14	86370	520 (3.56)	416 (9.65)	396 (10.72)
TUR	481279	0.03	481137	487 (11.55)	424 (4.62)	406 (5.38)
GBR	698579	91.66	58246	520 (2.70)	452 (7.83)	452 (13.88)
USA	3147089	0.76	3123066	500 (2.91)	422 (6.60)	457 (12.38)
TOT	.	17.26	.	514 (1.23)	441 (2.03)	413 (2.77)
AVG	.	20.69	.	516 (0.67)	452 (1.19)	413 (2.08)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	509 (4.67)	476 (4.38)	460 (5.04)
LIE	338	.	338	529 (4.68)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	520 (4.66)	484 (4.13)	453 (6.54)
YUG	68596	0.85	68014	457 (4.16)	433 (3.52)	412 (3.79)
THA	637076	.	637076	479 (4.91)	415 (2.47)	398 (3.21)
TUN	150875	0.08	150752	402 (5.74)	384 (2.65)	367 (3.53)
URY	33775	0.15	33724	472 (3.76)	421 (3.62)	399 (4.11)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At home
<Yes No>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	535 (1.83)	468 (5.93)	424 (8.02)
AUT	85931	1.08	85003	511 (3.00)	460 (8.73)	426 (11.57)
BEL	111831	1.79	109825	542 (2.14)	453 (5.44)	399 (8.76)
CAN	330436	9.70	298375	538 (1.57)	471 (3.94)	467 (8.23)
CZE	121183	4.05	116275	536 (2.99)	486 (4.26)	431 (6.42)
DNK	51741	0.65	51406	521 (2.48)	455 (9.53)	429 (15.09)
FIN	57884	0.07	57845	552 (1.81)	513 (4.52)	467 (19.60)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	527 (3.23)	450 (8.05)	419 (9.43)
GRC	105131	0.13	104991	469 (4.74)	435 (3.79)	393 (4.80)
HUN	107044	0.06	106984	523 (3.09)	463 (3.55)	410 (7.82)
ISL	3928	0.63	3903	507 (1.44)	474 (13.45)	420 (14.34)
IRL	54850	1.03	54285	507 (2.30)	465 (4.70)	422 (7.26)
ITA	481521	0.13	480897	483 (2.82)	424 (5.22)	385 (8.17)
JPN	1240054	0.10	1238855	565 (4.23)	509 (5.22)	506 (6.94)
KOR	533504	0.02	533410	553 (3.06)	488 (8.57)	463 (11.78)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	437 (4.94)	376 (4.08)	336 (4.19)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	542 (2.04)	478 (4.94)	446 (11.65)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	503 (2.72)	458 (2.91)	. (.)
PRT	96857	0.25	96616	486 (3.53)	434 (5.01)	400 (5.76)
SVK	77067	0.04	77039	520 (2.54)	465 (6.11)	435 (4.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	512 (2.32)	464 (10.54)	420 (12.70)
CHE	86491	0.14	86370	527 (2.97)	448 (8.13)	421 (9.57)
TUR	481279	0.03	481137	461 (11.49)	401 (4.44)	375 (6.14)
GBR	698579	91.66	58246	532 (2.33)	466 (6.48)	455 (11.57)
USA	3147089	0.76	3123066	486 (2.96)	411 (5.99)	426 (11.06)
TOT	.	17.26	.	509 (1.23)	429 (2.05)	392 (3.17)
AVG	.	20.69	.	519 (0.63)	444 (1.39)	399 (2.24)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	504 (4.94)	473 (4.31)	441 (5.38)
LIE	338	.	338	533 (4.03)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	516 (4.73)	469 (4.37)	442 (6.96)
YUG	68596	0.85	68014	443 (3.88)	418 (3.63)	392 (3.92)
THA	637076	.	637076	470 (4.96)	413 (2.80)	394 (3.49)
TUN	150875	0.08	150752	367 (4.72)	344 (2.47)	322 (2.92)
URY	33775	0.15	33724	453 (4.42)	393 (4.18)	357 (4.77)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At school
<Yes No>

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes %	Yes (SE)	No %	No (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	96.97	(0.19)	0.36	(0.07)	2.66	(0.19)
AUT	85931	1.08	85003	89.42	(0.98)	3.02	(0.48)	7.56	(0.74)
BEL	111831	1.79	109825	80.25	(1.13)	7.64	(0.66)	12.11	(0.69)
CAN	330436	9.70	298375	96.58	(0.22)	1.03	(0.13)	2.39	(0.17)
CZE	121183	4.05	116275	91.32	(0.99)	4.53	(0.73)	4.15	(0.45)
DNK	51741	0.65	51406	95.52	(0.44)	0.30	(.)	4.18	(0.42)
FIN	57884	0.07	57845	94.61	(0.76)	3.10	(0.72)	2.28	(0.20)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	80.34	(0.99)	6.45	(0.47)	13.21	(0.76)
GRC	105131	0.13	104991	81.08	(1.13)	6.07	(0.59)	12.85	(0.76)
HUN	107044	0.06	106984	93.22	(0.66)	2.38	(0.47)	4.39	(0.40)
ISL	3928	0.63	3903	95.34	(0.31)	2.35	(0.23)	2.31	(0.25)
IRL	54850	1.03	54285	85.20	(1.01)	10.03	(0.85)	4.76	(0.46)
ITA	481521	0.13	480897	78.67	(1.60)	12.97	(1.26)	8.36	(0.56)
JPN	1240054	0.10	1238855	76.99	(1.48)	9.83	(1.27)	13.18	(0.70)
KOR	533504	0.02	533410	70.42	(1.37)	12.14	(1.09)	17.44	(0.65)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	60.51	(2.08)	12.25	(1.11)	27.23	(1.51)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	1.87	47730	95.71	(0.41)	1.62	(0.30)	2.67	(0.26)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	90.09	(1.21)	9.35	(1.20)	0.56	(.)
PRT	96857	0.25	96616	90.24	(0.57)	1.60	(0.24)	8.15	(0.45)
SVK	77067	0.04	77039	66.82	(1.90)	14.40	(1.19)	18.78	(1.09)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	0.25	106836	92.46	(0.75)	2.51	(0.53)	5.03	(0.47)
CHE	86491	0.14	86370	86.73	(0.85)	5.28	(0.67)	7.99	(0.49)
TUR	481279	0.03	481137	38.46	(3.03)	33.32	(2.15)	28.21	(1.41)
GBR	698579	91.66	58246	95.86	(0.46)	0.88	(.)	3.26	(0.44)
USA	3147089	0.76	3123066	94.23	(0.46)	3.11	(0.37)	2.66	(0.23)
TOT	.	17.26	.	81.80	(0.45)	7.99	(0.32)	10.20	(0.24)
AVG	.	20.69	.	84.19	(0.26)	6.92	(0.18)	8.89	(0.14)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)
LVA	33643	0.22	33570	82.74	(1.45)	9.12	(1.08)	8.14	(0.66)
LIE	338	.	338	94.56	(1.35)	0.30	(.)	5.14	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	66.59	(1.75)	21.22	(1.43)	12.20	(0.65)
YUG	68596	0.69	68123	72.97	(1.44)	3.62	(0.76)	23.41	(1.12)
THA	637076	.	637076	92.75	(1.49)	3.95	(1.35)	3.30	(0.43)
TUN	150875	0.08	150752	25.07	(1.53)	46.75	(1.63)	28.18	(1.17)
URY	33775	0.15	33724	51.10	(1.96)	19.40	(1.18)	29.50	(1.21)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At school
<Yes No>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.01)	473 (15.57)	409 (7.50)
AUT	85931	1.08	85003	500 (3.43)	450 (10.31)	429 (8.33)
BEL	111831	1.79	109825	526 (2.68)	471 (7.41)	429 (8.85)
CAN	330436	9.70	298375	534 (1.52)	460 (13.05)	462 (8.03)
CZE	121183	4.05	116275	502 (2.69)	446 (8.48)	409 (10.39)
DNK	51741	0.65	51406	496 (2.67)	. (.)	412 (10.28)
FIN	57884	0.07	57845	546 (1.59)	526 (7.47)	479 (9.12)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	511 (3.40)	500 (8.51)	440 (6.92)
GRC	105131	0.13	104991	475 (4.14)	490 (8.90)	451 (6.34)
HUN	107044	0.06	106984	486 (2.58)	465 (12.80)	409 (9.05)
ISL	3928	0.63	3903	495 (1.58)	470 (11.70)	418 (14.57)
IRL	54850	1.03	54285	517 (2.78)	515 (6.33)	474 (9.22)
ITA	481521	0.13	480897	480 (3.08)	482 (6.72)	426 (8.08)
JPN	1240054	0.10	1238855	503 (4.28)	508 (10.79)	466 (6.05)
KOR	533504	0.02	533410	541 (3.41)	537 (4.62)	503 (4.01)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	419 (4.94)	388 (6.75)	364 (5.74)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	528 (2.35)	468 (15.83)	429 (15.00)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.84)	487 (7.72)	. (.)
PRT	96857	0.25	96616	485 (3.66)	447 (11.20)	405 (7.56)
SVK	77067	0.04	77039	490 (2.88)	435 (5.67)	422 (5.26)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	518 (2.27)	495 (13.00)	465 (10.30)
CHE	86491	0.14	86370	505 (3.50)	486 (6.97)	444 (6.52)
TUR	481279	0.03	481137	447 (8.97)	446 (6.53)	427 (6.50)
GBR	698579	91.66	58246	519 (2.56)	. (.)	453 (13.24)
USA	3147089	0.76	3123066	502 (2.93)	381 (12.33)	402 (10.59)
TOT	.	17.26	.	498 (1.44)	456 (3.89)	422 (3.08)
AVG	.	20.69	.	504 (0.78)	469 (2.45)	430 (2.10)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	496 (3.71)	481 (7.00)	448 (6.87)
LIE	338	.	338	529 (3.44)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	452 (4.44)	433 (4.47)	406 (7.12)
YUG	68596	0.69	68123	419 (3.51)	412 (13.95)	391 (5.16)
THA	637076	.	637076	423 (2.99)	382 (12.63)	392 (7.75)
TUN	150875	0.08	150752	376 (6.39)	386 (3.71)	355 (3.75)
URY	33775	0.15	33724	451 (4.84)	442 (6.42)	400 (5.27)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At school
<Yes No>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.07)	489 (18.06)	428 (6.62)
AUT	85931	1.08	85003	512 (3.11)	478 (9.51)	459 (7.92)
BEL	111831	1.79	109825	547 (2.61)	497 (6.07)	463 (7.81)
CAN	330436	9.70	298375	538 (1.59)	474 (12.36)	479 (6.90)
CZE	121183	4.05	116275	528 (3.19)	466 (8.06)	449 (9.49)
DNK	51741	0.65	51406	518 (2.67)	. (.)	448 (9.29)
FIN	57884	0.07	57845	547 (1.88)	521 (7.34)	488 (9.10)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	520 (3.42)	512 (7.76)	458 (6.49)
GRC	105131	0.13	104991	447 (4.03)	466 (8.20)	420 (5.30)
HUN	107044	0.06	106984	494 (2.89)	457 (12.86)	428 (8.85)
ISL	3928	0.63	3903	517 (1.43)	508 (9.98)	450 (13.57)
IRL	54850	1.03	54285	505 (2.58)	505 (6.31)	460 (8.25)
ITA	481521	0.13	480897	470 (3.04)	469 (6.04)	421 (7.30)
JPN	1240054	0.10	1238855	537 (4.47)	544 (10.32)	511 (5.51)
KOR	533504	0.02	533410	547 (3.68)	551 (5.86)	515 (4.23)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	402 (4.46)	380 (5.27)	350 (4.86)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	528 (2.20)	494 (14.38)	473 (14.02)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	493 (2.56)	475 (6.78)	. (.)
PRT	96857	0.25	96616	472 (3.26)	455 (9.46)	401 (6.42)
SVK	77067	0.04	77039	519 (3.37)	472 (6.96)	446 (4.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	513 (2.53)	492 (9.89)	458 (9.43)
CHE	86491	0.14	86370	532 (3.52)	506 (7.67)	477 (6.22)
TUR	481279	0.03	481137	430 (10.85)	430 (7.09)	406 (6.42)
GBR	698579	91.66	58246	527 (2.24)	. (.)	458 (11.47)
USA	3147089	0.76	3123066	488 (2.74)	390 (11.39)	411 (9.33)
TOT	.	17.26	.	496 (1.31)	459 (3.92)	427 (3.05)
AVG	.	20.69	.	508 (0.75)	472 (2.36)	438 (2.05)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	488 (3.86)	477 (7.02)	445 (6.13)
LIE	338	.	338	539 (4.22)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	480 (4.63)	452 (4.87)	433 (7.65)
YUG	68596	0.69	68123	444 (3.71)	428 (12.13)	418 (5.34)
THA	637076	.	637076	419 (3.08)	393 (15.64)	401 (7.72)
TUN	150875	0.08	150752	359 (7.28)	368 (3.01)	344 (3.11)
URY	33775	0.15	33724	436 (4.52)	431 (4.84)	393 (5.08)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At school
<Yes No>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.04)	480 (19.99)	425 (7.11)
AUT	85931	1.08	85003	499 (3.26)	462 (9.22)	434 (7.80)
BEL	111831	1.79	109825	525 (2.70)	481 (6.61)	438 (7.64)
CAN	330436	9.70	298375	525 (1.77)	448 (14.73)	446 (8.53)
CZE	121183	4.05	116275	534 (3.10)	480 (9.05)	453 (8.91)
DNK	51741	0.65	51406	480 (2.88)	. (.)	392 (10.85)
FIN	57884	0.07	57845	551 (1.95)	519 (8.16)	474 (9.72)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	521 (3.64)	511 (8.73)	452 (7.09)
GRC	105131	0.13	104991	483 (3.89)	505 (9.20)	457 (6.48)
HUN	107044	0.06	106984	508 (2.84)	474 (13.18)	425 (9.22)
ISL	3928	0.63	3903	497 (1.49)	489 (11.44)	417 (13.99)
IRL	54850	1.03	54285	507 (2.92)	503 (6.44)	468 (7.40)
ITA	481521	0.13	480897	492 (3.11)	489 (6.44)	433 (8.06)
JPN	1240054	0.10	1238855	551 (4.70)	555 (10.93)	522 (5.68)
KOR	533504	0.02	533410	545 (3.93)	546 (6.06)	508 (4.84)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	419 (4.27)	398 (4.67)	376 (4.80)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	525 (2.33)	500 (14.32)	460 (16.28)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.89)	496 (7.59)	. (.)
PRT	96857	0.25	96616	474 (3.39)	451 (11.68)	401 (6.77)
SVK	77067	0.04	77039	517 (3.44)	456 (9.16)	447 (5.50)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	510 (2.80)	487 (12.44)	453 (10.02)
CHE	86491	0.14	86370	519 (3.93)	491 (8.44)	460 (6.83)
TUR	481279	0.03	481137	440 (9.31)	439 (6.66)	420 (6.02)
GBR	698579	91.66	58246	516 (2.67)	. (.)	469 (12.77)
USA	3147089	0.76	3123066	497 (2.83)	397 (14.15)	422 (9.66)
TOT	.	17.26	.	503 (1.38)	469 (4.13)	438 (2.89)
AVG	.	20.69	.	508 (0.73)	477 (2.32)	441 (2.05)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	493 (4.07)	479 (6.91)	461 (6.32)
LIE	338	.	338	529 (4.64)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	499 (4.62)	478 (5.07)	455 (7.67)
YUG	68596	0.69	68123	441 (3.47)	434 (11.65)	423 (4.77)
THA	637076	.	637076	432 (2.92)	388 (10.21)	409 (7.72)
TUN	150875	0.08	150752	389 (7.04)	393 (3.06)	367 (3.59)
URY	33775	0.15	33724	449 (4.23)	449 (5.56)	413 (4.35)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At school
<Yes No>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (1.89)	490 (16.22)	436 (7.26)
AUT	85931	1.08	85003	512 (3.03)	483 (9.26)	462 (7.35)
BEL	111831	1.79	109825	542 (2.41)	495 (6.12)	457 (7.12)
CAN	330436	9.70	298375	536 (1.54)	465 (12.66)	477 (7.52)
CZE	121183	4.05	116275	528 (3.03)	470 (7.87)	449 (9.41)
DNK	51741	0.65	51406	520 (2.44)	. (.)	458 (10.12)
FIN	57884	0.07	57845	550 (1.90)	520 (7.85)	476 (8.53)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	527 (3.35)	519 (7.89)	469 (6.53)
GRC	105131	0.13	104991	450 (4.12)	475 (8.08)	428 (5.37)
HUN	107044	0.06	106984	505 (2.94)	476 (14.62)	436 (9.83)
ISL	3928	0.63	3903	507 (1.41)	507 (10.41)	442 (13.21)
IRL	54850	1.03	54285	500 (2.41)	495 (6.33)	462 (8.65)
ITA	481521	0.13	480897	475 (3.09)	476 (6.58)	414 (8.24)
JPN	1240054	0.10	1238855	551 (4.47)	557 (10.12)	517 (5.84)
KOR	533504	0.02	533410	555 (3.43)	560 (5.09)	527 (4.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	403 (5.43)	376 (5.87)	347 (5.25)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	537 (2.12)	498 (13.68)	478 (13.99)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	489 (2.79)	472 (7.35)	. (.)
PRT	96857	0.25	96616	477 (3.73)	458 (10.49)	402 (6.82)
SVK	77067	0.04	77039	512 (3.35)	460 (7.77)	444 (4.59)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	512 (2.34)	499 (12.70)	464 (8.42)
CHE	86491	0.14	86370	527 (3.15)	502 (6.72)	471 (6.54)
TUR	481279	0.03	481137	415 (9.50)	415 (6.22)	388 (6.25)
GBR	698579	91.66	58246	528 (2.36)	. (.)	456 (11.50)
USA	3147089	0.76	3123066	484 (2.87)	376 (11.83)	388 (10.03)
TOT	.	17.26	.	497 (1.42)	457 (4.30)	425 (3.24)
AVG	.	20.69	.	509 (0.78)	470 (2.59)	437 (2.15)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	488 (4.02)	474 (7.00)	441 (7.55)
LIE	338	.	338	533 (4.03)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	491 (4.96)	460 (5.16)	442 (8.42)
YUG	68596	0.69	68123	425 (3.26)	419 (13.84)	406 (5.21)
THA	637076	.	637076	427 (2.80)	393 (14.52)	396 (9.95)
TUN	150875	0.08	150752	348 (5.83)	354 (2.81)	327 (2.97)
URY	33775	0.15	33724	424 (4.84)	423 (5.86)	379 (5.05)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At other places
<Yes No>

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes %	Yes (SE)	No %	No (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	96.97	(0.19)	0.36	(0.07)	2.66	(0.19)
AUT	85931	1.08	85003	89.42	(0.98)	3.02	(0.48)	7.56	(0.74)
BEL	111831	1.79	109825	80.25	(1.13)	7.64	(0.66)	12.11	(0.69)
CAN	330436	9.70	298375	96.58	(0.22)	1.03	(0.13)	2.39	(0.17)
CZE	121183	4.05	116275	91.32	(0.99)	4.53	(0.73)	4.15	(0.45)
DNK	51741	0.65	51406	95.52	(0.44)	0.30	(.)	4.18	(0.42)
FIN	57884	0.07	57845	94.61	(0.76)	3.10	(0.72)	2.28	(0.20)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	80.34	(0.99)	6.45	(0.47)	13.21	(0.76)
GRC	105131	0.13	104991	81.08	(1.13)	6.07	(0.59)	12.85	(0.76)
HUN	107044	0.06	106984	93.22	(0.66)	2.38	(0.47)	4.39	(0.40)
ISL	3928	0.63	3903	95.34	(0.31)	2.35	(0.23)	2.31	(0.25)
IRL	54850	1.03	54285	85.20	(1.01)	10.03	(0.85)	4.76	(0.46)
ITA	481521	0.13	480897	78.67	(1.60)	12.97	(1.26)	8.36	(0.56)
JPN	1240054	0.10	1238855	76.99	(1.48)	9.83	(1.27)	13.18	(0.70)
KOR	533504	0.02	533410	70.42	(1.37)	12.14	(1.09)	17.44	(0.65)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	60.51	(2.08)	12.25	(1.11)	27.24	(1.51)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	1.87	47730	95.71	(0.41)	1.62	(0.30)	2.67	(0.26)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	90.09	(1.21)	9.35	(1.20)	0.56	(.)
PRT	96857	0.25	96616	90.24	(0.57)	1.60	(0.24)	8.15	(0.45)
SVK	77067	0.04	77039	66.82	(1.90)	14.40	(1.19)	18.78	(1.09)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	0.25	106836	92.46	(0.75)	2.51	(0.53)	5.03	(0.47)
CHE	86491	0.14	86370	86.73	(0.85)	5.28	(0.67)	7.99	(0.49)
TUR	481279	0.03	481137	38.46	(3.03)	33.32	(2.15)	28.21	(1.41)
GBR	698579	91.66	58246	95.86	(0.46)	0.88	(.)	3.26	(0.44)
USA	3147089	0.76	3123066	94.23	(0.46)	3.11	(0.37)	2.66	(0.23)
TOT	.	17.26	.	81.80	(0.45)	7.99	(0.32)	10.20	(0.25)
AVG	.	20.69	.	84.19	(0.26)	6.92	(0.18)	8.89	(0.14)
BRA	1952253	100.00	0	.	(.)	.	(.)	.	(.)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)
LVA	33643	0.22	33570	82.74	(1.45)	9.12	(1.08)	8.14	(0.66)
LIE	338	.	338	94.56	(1.35)	0.30	(.)	5.14	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	66.59	(1.75)	21.22	(1.43)	12.20	(0.65)
YUG	68596	0.69	68123	72.97	(1.44)	3.62	(0.76)	23.41	(1.12)
THA	637076	.	637076	92.75	(1.49)	3.95	(1.35)	3.30	(0.43)
TUN	150875	0.08	150752	25.07	(1.53)	46.75	(1.63)	28.18	(1.17)
URY	33775	0.15	33724	51.10	(1.96)	19.40	(1.18)	29.50	(1.21)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At other places
<Yes No>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	529 (2.01)	473 (15.57)	409 (7.50)
AUT	85931	1.08	85003	500 (3.43)	450 (10.31)	429 (8.33)
BEL	111831	1.79	109825	526 (2.68)	471 (7.41)	429 (8.85)
CAN	330436	9.70	298375	534 (1.52)	460 (13.05)	462 (8.03)
CZE	121183	4.05	116275	502 (2.69)	446 (8.48)	409 (10.39)
DNK	51741	0.65	51406	496 (2.67)	. (.)	412 (10.28)
FIN	57884	0.07	57845	546 (1.59)	526 (7.47)	479 (9.12)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	511 (3.40)	500 (8.51)	440 (6.92)
GRC	105131	0.13	104991	475 (4.14)	490 (8.90)	451 (6.34)
HUN	107044	0.06	106984	486 (2.58)	465 (12.80)	409 (9.05)
ISL	3928	0.63	3903	495 (1.58)	470 (11.70)	418 (14.57)
IRL	54850	1.03	54285	517 (2.78)	515 (6.33)	474 (9.22)
ITA	481521	0.13	480897	480 (3.08)	482 (6.72)	426 (8.08)
JPN	1240054	0.10	1238855	503 (4.28)	508 (10.79)	466 (6.05)
KOR	533504	0.02	533410	541 (3.41)	537 (4.62)	503 (4.01)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	419 (4.94)	388 (6.75)	364 (5.73)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	528 (2.35)	468 (15.83)	429 (15.00)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.84)	487 (7.72)	. (.)
PRT	96857	0.25	96616	485 (3.66)	447 (11.20)	405 (7.56)
SVK	77067	0.04	77039	490 (2.88)	435 (5.67)	422 (5.26)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	518 (2.27)	495 (13.00)	465 (10.30)
CHE	86491	0.14	86370	505 (3.50)	486 (6.97)	444 (6.52)
TUR	481279	0.03	481137	447 (8.97)	446 (6.53)	427 (6.50)
GBR	698579	91.66	58246	519 (2.56)	. (.)	453 (13.24)
USA	3147089	0.76	3123066	502 (2.93)	381 (12.33)	402 (10.59)
TOT	.	17.26	.	498 (1.44)	456 (3.89)	422 (3.08)
AVG	.	20.69	.	504 (0.78)	469 (2.45)	430 (2.10)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	496 (3.71)	481 (7.00)	448 (6.87)
LIE	338	.	338	529 (3.44)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	452 (4.44)	433 (4.47)	406 (7.12)
YUG	68596	0.69	68123	419 (3.51)	412 (13.95)	391 (5.16)
THA	637076	.	637076	423 (2.99)	382 (12.63)	392 (7.75)
TUN	150875	0.08	150752	376 (6.39)	386 (3.71)	355 (3.75)
URY	33775	0.15	33724	451 (4.84)	442 (6.42)	400 (5.27)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At other places
<Yes No>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (2.07)	489 (18.06)	428 (6.62)
AUT	85931	1.08	85003	512 (3.11)	478 (9.51)	459 (7.92)
BEL	111831	1.79	109825	547 (2.61)	497 (6.07)	463 (7.81)
CAN	330436	9.70	298375	538 (1.59)	474 (12.36)	479 (6.90)
CZE	121183	4.05	116275	528 (3.19)	466 (8.06)	449 (9.49)
DNK	51741	0.65	51406	518 (2.67)	. (.)	448 (9.29)
FIN	57884	0.07	57845	547 (1.88)	521 (7.34)	488 (9.10)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	520 (3.42)	512 (7.76)	458 (6.49)
GRC	105131	0.13	104991	447 (4.03)	466 (8.20)	420 (5.30)
HUN	107044	0.06	106984	494 (2.89)	457 (12.86)	428 (8.85)
ISL	3928	0.63	3903	517 (1.43)	508 (9.98)	450 (13.57)
IRL	54850	1.03	54285	505 (2.58)	505 (6.31)	460 (8.25)
ITA	481521	0.13	480897	470 (3.04)	469 (6.04)	421 (7.30)
JPN	1240054	0.10	1238855	537 (4.47)	544 (10.32)	511 (5.51)
KOR	533504	0.02	533410	547 (3.68)	551 (5.86)	515 (4.23)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	402 (4.46)	380 (5.27)	350 (4.85)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	528 (2.20)	494 (14.38)	473 (14.02)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	493 (2.56)	475 (6.78)	. (.)
PRT	96857	0.25	96616	472 (3.26)	455 (9.46)	401 (6.42)
SVK	77067	0.04	77039	519 (3.37)	472 (6.96)	446 (4.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	513 (2.53)	492 (9.89)	458 (9.43)
CHE	86491	0.14	86370	532 (3.52)	506 (7.67)	477 (6.22)
TUR	481279	0.03	481137	430 (10.85)	430 (7.09)	406 (6.42)
GBR	698579	91.66	58246	527 (2.24)	. (.)	458 (11.47)
USA	3147089	0.76	3123066	488 (2.74)	390 (11.39)	411 (9.33)
TOT	.	17.26	.	496 (1.31)	459 (3.92)	427 (3.05)
AVG	.	20.69	.	508 (0.75)	472 (2.36)	438 (2.05)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	488 (3.86)	477 (7.02)	445 (6.13)
LIE	338	.	338	539 (4.22)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	480 (4.63)	452 (4.87)	433 (7.65)
YUG	68596	0.69	68123	444 (3.71)	428 (12.13)	418 (5.34)
THA	637076	.	637076	419 (3.08)	393 (15.64)	401 (7.72)
TUN	150875	0.08	150752	359 (7.28)	368 (3.01)	344 (3.11)
URY	33775	0.15	33724	436 (4.52)	431 (4.84)	393 (5.08)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At other places
<Yes No>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (2.04)	480 (19.99)	425 (7.11)
AUT	85931	1.08	85003	499 (3.26)	462 (9.22)	434 (7.80)
BEL	111831	1.79	109825	525 (2.70)	481 (6.61)	438 (7.64)
CAN	330436	9.70	298375	525 (1.77)	448 (14.73)	446 (8.53)
CZE	121183	4.05	116275	534 (3.10)	480 (9.05)	453 (8.91)
DNK	51741	0.65	51406	480 (2.88)	. (.)	392 (10.85)
FIN	57884	0.07	57845	551 (1.95)	519 (8.16)	474 (9.72)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	521 (3.64)	511 (8.73)	452 (7.09)
GRC	105131	0.13	104991	483 (3.89)	505 (9.20)	457 (6.48)
HUN	107044	0.06	106984	508 (2.84)	474 (13.18)	425 (9.22)
ISL	3928	0.63	3903	497 (1.49)	489 (11.44)	417 (13.99)
IRL	54850	1.03	54285	507 (2.92)	503 (6.44)	468 (7.40)
ITA	481521	0.13	480897	492 (3.11)	489 (6.44)	433 (8.06)
JPN	1240054	0.10	1238855	551 (4.70)	555 (10.93)	522 (5.68)
KOR	533504	0.02	533410	545 (3.93)	546 (6.06)	508 (4.84)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	419 (4.27)	398 (4.67)	376 (4.80)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	525 (2.33)	500 (14.32)	460 (16.28)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.89)	496 (7.59)	. (.)
PRT	96857	0.25	96616	474 (3.39)	451 (11.68)	401 (6.77)
SVK	77067	0.04	77039	517 (3.44)	456 (9.16)	447 (5.50)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	510 (2.80)	487 (12.44)	453 (10.02)
CHE	86491	0.14	86370	519 (3.93)	491 (8.44)	460 (6.83)
TUR	481279	0.03	481137	440 (9.31)	439 (6.66)	420 (6.02)
GBR	698579	91.66	58246	516 (2.67)	. (.)	469 (12.77)
USA	3147089	0.76	3123066	497 (2.83)	397 (14.15)	422 (9.66)
TOT	.	17.26	.	503 (1.38)	469 (4.13)	438 (2.89)
AVG	.	20.69	.	508 (0.73)	477 (2.32)	441 (2.05)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	493 (4.07)	479 (6.91)	461 (6.32)
LIE	338	.	338	529 (4.64)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	499 (4.62)	478 (5.07)	455 (7.67)
YUG	68596	0.69	68123	441 (3.47)	434 (11.65)	423 (4.77)
THA	637076	.	637076	432 (2.92)	388 (10.21)	409 (7.72)
TUN	150875	0.08	150752	389 (7.04)	393 (3.06)	367 (3.59)
URY	33775	0.15	33724	449 (4.23)	449 (5.56)	413 (4.35)

ICT Questionnaire – Question 1

Q1 Is there a computer available for you to use at any of these places?
At other places
<Yes No>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	533 (1.89)	490 (16.22)	436 (7.26)
AUT	85931	1.08	85003	512 (3.03)	483 (9.26)	462 (7.35)
BEL	111831	1.79	109825	542 (2.41)	495 (6.12)	457 (7.12)
CAN	330436	9.70	298375	536 (1.54)	465 (12.66)	477 (7.52)
CZE	121183	4.05	116275	528 (3.03)	470 (7.87)	449 (9.41)
DNK	51741	0.65	51406	520 (2.44)	. (.)	458 (10.12)
FIN	57884	0.07	57845	550 (1.90)	520 (7.85)	476 (8.53)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	527 (3.35)	519 (7.89)	469 (6.53)
GRC	105131	0.13	104991	450 (4.12)	475 (8.08)	428 (5.37)
HUN	107044	0.06	106984	505 (2.94)	476 (14.62)	436 (9.83)
ISL	3928	0.63	3903	507 (1.41)	507 (10.41)	442 (13.21)
IRL	54850	1.03	54285	500 (2.41)	495 (6.33)	462 (8.65)
ITA	481521	0.13	480897	475 (3.09)	476 (6.58)	414 (8.24)
JPN	1240054	0.10	1238855	551 (4.47)	557 (10.12)	517 (5.84)
KOR	533504	0.02	533410	555 (3.43)	560 (5.09)	527 (4.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	403 (5.43)	376 (5.87)	347 (5.25)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.87	47730	537 (2.12)	498 (13.68)	478 (13.99)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	489 (2.79)	472 (7.35)	. (.)
PRT	96857	0.25	96616	477 (3.73)	458 (10.49)	402 (6.82)
SVK	77067	0.04	77039	512 (3.35)	460 (7.77)	444 (4.59)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	512 (2.34)	499 (12.70)	464 (8.42)
CHE	86491	0.14	86370	527 (3.15)	502 (6.72)	471 (6.54)
TUR	481279	0.03	481137	415 (9.50)	415 (6.22)	388 (6.25)
GBR	698579	91.66	58246	528 (2.36)	. (.)	456 (11.50)
USA	3147089	0.76	3123066	484 (2.87)	376 (11.83)	388 (10.03)
TOT	.	17.26	.	497 (1.42)	457 (4.30)	425 (3.24)
AVG	.	20.69	.	509 (0.78)	470 (2.59)	437 (2.15)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	488 (4.02)	474 (7.00)	441 (7.55)
LIE	338	.	338	533 (4.03)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	491 (4.96)	460 (5.16)	442 (8.42)
YUG	68596	0.69	68123	425 (3.26)	419 (13.84)	406 (5.21)
THA	637076	.	637076	427 (2.80)	393 (14.52)	396 (9.95)
TUN	150875	0.08	150752	348 (5.83)	354 (2.81)	327 (2.97)
URY	33775	0.15	33724	424 (4.84)	423 (5.86)	379 (5.05)

ICT Questionnaire – Question 2

Q2 Have you ever used a computer?

<Yes No>

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes %	Yes (SE)	No %	No (SE)	Missing %	Missing (SE)
AUS	235591	0.32	234828	98.37	(0.21)	0.15	(.)	1.48	(0.15)
AUT	85931	1.08	85003	98.93	(0.22)	0.09	(.)	0.99	(0.22)
BEL	111831	1.79	109825	96.84	(0.44)	0.51	(0.10)	2.64	(0.38)
CAN	330436	9.70	298375	97.82	(0.16)	0.46	(0.07)	1.72	(0.15)
CZE	121183	4.05	116275	98.20	(0.25)	0.22	(.)	1.57	(0.24)
DNK	51741	0.65	51406	98.83	(0.21)	0.05	(.)	1.12	(0.21)
FIN	57884	0.07	57845	99.80	(0.07)	.	(.)	0.20	(.)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)
DEU	884358	5.57	835070	97.35	(0.36)	0.19	(.)	2.46	(0.37)
GRC	105131	0.13	104991	96.72	(0.32)	1.93	(0.25)	1.34	(0.17)
HUN	107044	0.06	106984	97.81	(0.33)	0.11	(.)	2.08	(0.31)
ISL	3928	0.63	3903	99.24	(0.14)	0.06	(.)	0.70	(.)
IRL	54850	1.03	54285	98.08	(0.27)	0.28	(.)	1.63	(0.25)
ITA	481521	0.13	480897	97.32	(0.32)	1.82	(0.26)	0.86	(0.12)
JPN	1240054	0.10	1238855	90.67	(0.64)	1.32	(0.19)	8.01	(0.62)
KOR	533504	0.02	533410	99.55	(0.11)	0.11	(.)	0.34	(.)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)
MEX	1071650	0.37	1067674	79.58	(2.06)	12.02	(1.28)	8.40	(1.14)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)
NZL	48638	1.99	47670	99.29	(0.13)	0.25	(.)	0.46	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)
POL	534900	.	534900	98.83	(0.23)	0.52	(.)	0.66	(.)
PRT	96857	0.25	96616	98.73	(0.15)	0.58	(.)	0.69	(0.12)
SVK	77067	0.04	77039	92.61	(0.84)	3.68	(0.64)	3.71	(0.42)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)
SWE	107104	0.25	106836	98.54	(0.21)	0.20	(.)	1.26	(0.18)
CHE	86491	0.14	86370	98.25	(0.21)	0.34	(.)	1.41	(0.18)
TUR	481279	0.03	481137	81.61	(1.62)	13.76	(1.34)	4.63	(0.66)
GBR	698579	91.66	58246	99.57	(0.13)	0.05	(.)	0.38	(.)
USA	3147089	0.76	3123066	97.67	(0.38)	2.01	(0.36)	0.32	(.)
TOT	.	17.26	.	94.26	(0.29)	2.97	(0.20)	2.77	(0.15)
AVG	.	20.69	.	96.27	(0.13)	1.70	(0.09)	2.03	(0.08)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)
LVA	33643	0.22	33570	98.71	(0.19)	0.59	(0.12)	0.70	(0.13)
LIE	338	.	338	99.10	(0.52)	0.30	(.)	0.60	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)
RUS	2153373	0.02	2152991	91.29	(0.85)	6.03	(0.68)	2.68	(0.37)
YUG	68596	0.51	68244	93.17	(0.74)	1.31	(0.21)	5.52	(0.71)
THA	637076	.	637076	94.15	(1.00)	5.83	(1.00)	0.02	(.)
TUN	150875	0.08	150752	53.66	(1.46)	33.80	(1.49)	12.54	(0.87)
URY	33775	0.15	33724	90.57	(0.78)	3.67	(0.51)	5.76	(0.53)

ICT Questionnaire – Question 2

Q2 Have you ever used a computer?

<Yes No>

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	528 (1.93)	. (.)	384 (9.97)
AUT	85931	1.08	85003	495 (3.36)	. (.)	372 (16.61)
BEL	111831	1.79	109825	516 (2.71)	374 (20.44)	341 (17.25)
CAN	330436	9.70	298375	533 (1.58)	421 (15.23)	484 (10.26)
CZE	121183	4.05	116275	498 (2.71)	. (.)	406 (16.18)
DNK	51741	0.65	51406	494 (2.73)	. (.)	387 (20.04)
FIN	57884	0.07	57845	544 (1.63)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	504 (3.35)	. (.)	385 (15.57)
GRC	105131	0.13	104991	474 (3.95)	445 (15.87)	383 (26.56)
HUN	107044	0.06	106984	484 (2.48)	. (.)	399 (15.17)
ISL	3928	0.63	3903	494 (1.52)	. (.)	. (.)
IRL	54850	1.03	54285	517 (2.58)	. (.)	395 (16.07)
ITA	481521	0.13	480897	479 (2.86)	382 (11.93)	332 (18.71)
JPN	1240054	0.10	1238855	502 (3.96)	442 (19.49)	462 (8.09)
KOR	533504	0.02	533410	535 (3.07)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	418 (3.98)	342 (4.75)	316 (8.27)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.99	47670	525 (2.35)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	498 (2.75)	. (.)	. (.)
PRT	96857	0.25	96616	479 (3.73)	. (.)	376 (16.94)
SVK	77067	0.04	77039	477 (2.78)	383 (10.89)	373 (11.44)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	516 (2.32)	. (.)	446 (23.20)
CHE	86491	0.14	86370	501 (3.21)	. (.)	404 (14.92)
TUR	481279	0.03	481137	448 (6.21)	416 (7.77)	395 (9.72)
GBR	698579	91.66	58246	517 (2.59)	. (.)	. (.)
USA	3147089	0.76	3123066	499 (2.97)	368 (16.35)	. (.)
TOT	.	17.26	.	493 (1.39)	374 (5.22)	390 (6.40)
AVG	.	20.69	.	499 (0.79)	388 (3.95)	388 (4.29)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	492 (3.64)	431 (19.73)	389 (17.54)
LIE	338	.	338	525 (3.62)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	447 (4.10)	399 (7.76)	379 (9.51)
YUG	68596	0.51	68244	417 (3.50)	361 (14.03)	348 (9.40)
THA	637076	.	637076	422 (2.94)	380 (6.64)	. (.)
TUN	150875	0.08	150752	393 (4.46)	365 (3.38)	323 (5.09)
URY	33775	0.15	33724	443 (3.41)	376 (9.67)	326 (9.64)

ICT Questionnaire – Question 2

Q2 Have you ever used a computer?

<Yes No>

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	526 (2.02)	. (.)	420 (9.23)
AUT	85931	1.08	85003	508 (3.04)	. (.)	411 (16.80)
BEL	111831	1.79	109825	537 (2.44)	416 (17.17)	389 (15.13)
CAN	330436	9.70	298375	537 (1.64)	456 (10.32)	508 (8.67)
CZE	121183	4.05	116275	524 (3.16)	. (.)	441 (15.93)
DNK	51741	0.65	51406	516 (2.69)	. (.)	440 (17.51)
FIN	57884	0.07	57845	545 (1.85)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	513 (3.35)	. (.)	428 (12.25)
GRC	105131	0.13	104991	447 (3.85)	387 (10.93)	367 (14.88)
HUN	107044	0.06	106984	492 (2.83)	. (.)	422 (14.10)
ISL	3928	0.63	3903	516 (1.39)	. (.)	. (.)
IRL	54850	1.03	54285	504 (2.41)	. (.)	403 (11.51)
ITA	481521	0.13	480897	468 (2.98)	389 (11.13)	372 (14.20)
JPN	1240054	0.10	1238855	537 (4.12)	495 (20.88)	512 (7.67)
KOR	533504	0.02	533410	543 (3.22)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	401 (3.66)	337 (3.95)	309 (7.49)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.99	47670	526 (2.16)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	492 (2.44)	. (.)	. (.)
PRT	96857	0.25	96616	467 (3.38)	. (.)	389 (15.74)
SVK	77067	0.04	77039	506 (2.98)	407 (13.35)	407 (12.73)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	511 (2.48)	. (.)	426 (22.01)
CHE	86491	0.14	86370	528 (3.36)	. (.)	445 (14.72)
TUR	481279	0.03	481137	432 (7.42)	383 (7.49)	389 (10.01)
GBR	698579	91.66	58246	524 (2.32)	. (.)	. (.)
USA	3147089	0.76	3123066	486 (2.77)	385 (16.32)	. (.)
TOT	.	17.26	.	492 (1.29)	371 (4.35)	413 (7.12)
AVG	.	20.69	.	504 (0.76)	380 (3.57)	411 (4.30)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	485 (3.66)	417 (15.08)	396 (16.64)
LIE	338	.	338	536 (4.24)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	473 (4.38)	419 (6.69)	414 (9.13)
YUG	68596	0.51	68244	441 (3.73)	385 (11.35)	380 (8.73)
THA	637076	.	637076	420 (3.08)	372 (5.94)	. (.)
TUN	150875	0.08	150752	379 (4.05)	342 (2.74)	318 (4.16)
URY	33775	0.15	33724	430 (3.31)	363 (7.66)	343 (7.02)

ICT Questionnaire – Question 2

Q2 Have you ever used a computer?

<Yes No>

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	527 (1.97)	. (.)	413 (11.80)
AUT	85931	1.08	85003	494 (3.22)	. (.)	407 (17.70)
BEL	111831	1.79	109825	516 (2.55)	393 (16.63)	367 (14.86)
CAN	330436	9.70	298375	524 (1.83)	437 (15.18)	490 (10.41)
CZE	121183	4.05	116275	530 (3.05)	. (.)	439 (14.48)
DNK	51741	0.65	51406	477 (2.88)	. (.)	350 (20.08)
FIN	57884	0.07	57845	549 (1.91)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	514 (3.59)	. (.)	414 (13.54)
GRC	105131	0.13	104991	482 (3.75)	444 (14.57)	441 (21.86)
HUN	107044	0.06	106984	505 (2.76)	. (.)	416 (16.27)
ISL	3928	0.63	3903	496 (1.48)	. (.)	. (.)
IRL	54850	1.03	54285	506 (2.69)	. (.)	434 (12.20)
ITA	481521	0.13	480897	490 (2.99)	389 (14.45)	358 (14.98)
JPN	1240054	0.10	1238855	551 (4.32)	505 (18.06)	523 (7.82)
KOR	533504	0.02	533410	539 (3.53)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	418 (3.53)	360 (5.09)	346 (7.14)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.99	47670	524 (2.31)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	499 (2.82)	. (.)	. (.)
PRT	96857	0.25	96616	469 (3.46)	. (.)	390 (17.16)
SVK	77067	0.04	77039	504 (2.98)	376 (21.33)	388 (16.25)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	508 (2.69)	. (.)	402 (22.21)
CHE	86491	0.14	86370	514 (3.63)	. (.)	432 (17.17)
TUR	481279	0.03	481137	442 (6.40)	402 (7.29)	395 (8.85)
GBR	698579	91.66	58246	514 (2.70)	. (.)	. (.)
USA	3147089	0.76	3123066	494 (2.89)	390 (18.16)	. (.)
TOT	.	17.26	.	499 (1.32)	387 (4.86)	428 (6.30)
AVG	.	20.69	.	504 (0.73)	393 (3.77)	415 (4.15)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	490 (3.86)	432 (16.29)	414 (17.38)
LIE	338	.	338	525 (4.48)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	494 (4.34)	447 (7.31)	435 (9.66)
YUG	68596	0.51	68244	440 (3.47)	385 (13.15)	384 (8.57)
THA	637076	.	637076	432 (2.82)	387 (6.13)	. (.)
TUN	150875	0.08	150752	402 (4.06)	373 (3.24)	342 (5.40)
URY	33775	0.15	33724	446 (2.97)	382 (8.62)	356 (7.72)

ICT Questionnaire – Question 2

Q2 Have you ever used a computer?

<Yes No>

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Yes mean (SE)	No mean (SE)	Missing mean (SE)
AUS	235591	0.32	234828	532 (1.84)	. (.)	433 (10.54)
AUT	85931	1.08	85003	509 (2.97)	. (.)	422 (15.33)
BEL	111831	1.79	109825	533 (2.28)	421 (14.33)	381 (13.08)
CAN	330436	9.70	298375	535 (1.60)	421 (11.30)	497 (9.62)
CZE	121183	4.05	116275	524 (3.02)	. (.)	431 (14.60)
DNK	51741	0.65	51406	518 (2.45)	. (.)	443 (20.36)
FIN	57884	0.07	57845	548 (1.85)	. (.)	. (.)
FRA	734579	100.00	0	. (.)	. (.)	. (.)
DEU	884358	5.57	835070	521 (3.30)	. (.)	429 (12.06)
GRC	105131	0.13	104991	451 (3.86)	394 (13.56)	384 (18.02)
HUN	107044	0.06	106984	503 (2.83)	. (.)	422 (14.76)
ISL	3928	0.63	3903	506 (1.36)	. (.)	. (.)
IRL	54850	1.03	54285	500 (2.31)	. (.)	399 (11.61)
ITA	481521	0.13	480897	473 (2.91)	376 (11.75)	330 (18.12)
JPN	1240054	0.10	1238855	551 (4.14)	517 (19.73)	515 (7.76)
KOR	533504	0.02	533410	551 (3.05)	. (.)	. (.)
LUX	4080	100.00	0	. (.)	. (.)	. (.)
MEX	1071650	0.37	1067674	401 (4.47)	330 (5.11)	307 (6.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)
NZL	48638	1.99	47670	535 (2.06)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)
POL	534900	.	534900	488 (2.68)	. (.)	. (.)
PRT	96857	0.25	96616	471 (3.86)	. (.)	393 (17.78)
SVK	77067	0.04	77039	499 (3.02)	395 (17.52)	406 (11.12)
ESP	344372	100.00	0	. (.)	. (.)	. (.)
SWE	107104	0.25	106836	510 (2.36)	. (.)	434 (19.33)
CHE	86491	0.14	86370	523 (3.00)	. (.)	441 (15.56)
TUR	481279	0.03	481137	416 (6.54)	373 (7.09)	354 (9.52)
GBR	698579	91.66	58246	526 (2.38)	. (.)	. (.)
USA	3147089	0.76	3123066	480 (2.91)	369 (16.34)	. (.)
TOT	.	17.26	.	493 (1.38)	363 (4.91)	411 (7.20)
AVG	.	20.69	.	504 (0.78)	372 (4.12)	407 (4.22)
HKG	72484	100.00	0	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)
LVA	33643	0.22	33570	484 (3.89)	425 (15.38)	404 (18.28)
LIE	338	.	338	529 (4.00)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)
RUS	2153373	0.02	2152991	485 (4.71)	419 (7.04)	409 (9.83)
YUG	68596	0.51	68244	425 (3.24)	373 (13.96)	361 (9.57)
THA	637076	.	637076	428 (2.81)	378 (5.31)	. (.)
TUN	150875	0.08	150752	363 (3.34)	332 (2.79)	304 (4.01)
URY	33775	0.15	33724	419 (3.68)	347 (9.01)	312 (6.08)

ICT Questionnaire – Question 3

Q3 How long have you been using computers?
Less than one year.
One to three years.
Three to five years.
More than five years.

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Less than 1 year %	(SE)	1 to 3 years %	(SE)	3 to 5 years %	(SE)	More than 5 years %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	1.76	(0.15)	7.82	(0.36)	20.63	(0.41)	68.19	(0.55)	1.60	(0.18)
AUT	85931	1.17	84927	4.50	(0.40)	29.83	(0.95)	35.17	(0.93)	29.13	(0.75)	1.36	(0.27)
BEL	111831	2.30	109260	7.31	(0.39)	28.89	(0.72)	26.98	(0.57)	32.35	(0.69)	4.47	(0.45)
CAN	330436	10.12	296990	1.55	(0.13)	9.67	(0.29)	21.53	(0.43)	64.22	(0.54)	3.03	(0.20)
CZE	121183	4.27	116013	8.75	(0.55)	30.37	(0.76)	27.87	(0.69)	27.65	(0.87)	5.35	(0.45)
DNK	51741	0.70	51378	1.95	(0.20)	17.02	(0.60)	27.45	(0.78)	50.80	(0.89)	2.78	(0.31)
FIN	57884	0.07	57845	2.18	(0.20)	16.89	(0.61)	29.30	(0.67)	49.45	(0.88)	2.17	(0.24)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	4.56	(0.36)	29.16	(0.84)	30.52	(0.78)	32.12	(0.85)	3.65	(0.36)
GRC	105131	2.07	102960	21.00	(1.00)	39.78	(0.92)	23.10	(0.86)	13.61	(0.95)	2.52	(0.27)
HUN	107044	0.17	106867	6.18	(0.46)	24.15	(0.68)	30.90	(0.76)	34.16	(0.75)	4.61	(0.43)
ISL	3928	0.69	3901	1.90	(0.28)	18.47	(0.70)	29.62	(0.68)	49.03	(0.85)	0.98	(0.16)
IRL	54850	1.31	54133	7.73	(0.61)	27.01	(0.84)	31.65	(0.68)	29.90	(1.12)	3.71	(0.40)
ITA	481521	1.93	472236	13.64	(0.56)	39.51	(0.74)	22.45	(0.64)	20.44	(0.62)	3.96	(0.33)
JPN	1240054	1.42	1222475	15.72	(0.77)	35.16	(0.85)	21.64	(0.75)	12.77	(0.57)	14.71	(0.78)
KOR	533504	0.12	532842	2.15	(0.19)	17.50	(0.65)	33.94	(0.80)	44.00	(1.11)	2.41	(0.24)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	34.60	(1.59)	29.56	(1.02)	12.16	(0.70)	12.81	(1.64)	10.88	(1.31)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	2.87	47243	4.35	(0.36)	16.09	(0.65)	24.03	(0.69)	55.19	(0.88)	0.35	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	10.21	(0.66)	42.24	(1.00)	23.49	(0.86)	19.83	(0.92)	4.23	(0.35)
PRT	96857	0.82	96058	9.90	(0.56)	24.73	(0.76)	31.53	(0.80)	30.78	(0.99)	3.05	(0.29)
SVK	77067	3.72	74203	24.11	(0.88)	31.79	(0.69)	16.44	(0.46)	15.47	(0.63)	12.18	(0.90)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	1.41	(0.24)	11.46	(0.59)	28.99	(0.85)	55.80	(1.03)	2.34	(0.23)
CHE	86491	0.48	86079	5.28	(0.39)	28.12	(0.73)	30.75	(0.71)	33.45	(0.68)	2.40	(0.24)
TUR	481279	13.78	414937	23.86	(1.40)	31.40	(1.24)	15.97	(0.84)	12.42	(1.11)	16.35	(1.07)
GBR	698579	91.67	58219	2.02	(0.28)	17.23	(0.90)	32.11	(0.91)	46.98	(1.02)	1.66	(0.25)
USA	3147089	2.76	3060301	3.25	(0.33)	12.42	(0.52)	21.68	(0.61)	61.21	(0.95)	1.44	(0.18)
TOT	.	19.74	.	10.17	(0.26)	23.79	(0.25)	22.84	(0.26)	37.70	(0.43)	5.50	(0.18)
AVG	.	22.09	.	8.86	(0.14)	24.89	(0.18)	25.91	(0.16)	35.84	(0.21)	4.50	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	19.58	(1.15)	41.22	(1.24)	21.67	(1.19)	11.11	(0.65)	6.42	(0.57)
LIE	338	0.30	337	1.22	(.)	21.00	(2.29)	37.09	(2.89)	39.46	(2.75)	1.22	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	41.63	(1.58)	29.92	(1.23)	10.01	(0.76)	7.80	(0.66)	10.64	(0.87)
YUG	68596	1.85	67326	38.32	(0.99)	32.13	(0.86)	9.93	(0.53)	8.51	(0.60)	11.11	(0.92)
THA	637076	5.83	599963	27.86	(1.52)	37.12	(1.24)	16.75	(0.75)	16.79	(0.97)	1.49	(0.25)
TUN	150875	33.85	99804	38.60	(1.21)	20.93	(0.88)	6.70	(0.55)	10.83	(0.81)	22.93	(1.26)
URY	33775	3.82	32486	14.22	(0.72)	29.53	(1.10)	20.32	(0.71)	28.65	(1.08)	7.27	(0.71)

ICT Questionnaire – Question 3

Q3 How long have you been using computers?
Less than one year.
One to three years.
Three to five years.
More than five years.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Less than 1 year mean (SE)	1 to 3 years mean (SE)	3 to 5 years mean (SE)	More than 5 years mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	429 (8.79)	476 (4.45)	517 (3.28)	540 (1.85)	393 (10.38)
AUT	85931	1.17	84927	399 (10.62)	472 (4.27)	511 (4.03)	514 (3.63)	392 (14.73)
BEL	111831	2.30	109260	428 (6.71)	494 (3.73)	542 (3.35)	538 (2.53)	374 (13.21)
CAN	330436	10.12	296990	454 (8.41)	501 (3.97)	528 (2.33)	542 (1.77)	488 (5.64)
CZE	121183	4.27	116013	452 (5.97)	491 (3.13)	507 (3.34)	518 (4.02)	426 (8.37)
DNK	51741	0.70	51378	433 (11.01)	476 (4.16)	503 (3.64)	499 (3.04)	432 (13.67)
FIN	57884	0.07	57845	488 (9.83)	524 (2.80)	547 (2.29)	553 (2.14)	493 (10.18)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	430 (8.61)	492 (4.05)	519 (4.37)	515 (3.67)	400 (10.93)
GRC	105131	2.07	102960	442 (5.12)	474 (4.58)	491 (4.62)	498 (7.70)	413 (17.08)
HUN	107044	0.17	106867	419 (7.78)	461 (3.48)	492 (3.21)	508 (3.33)	421 (10.38)
ISL	3928	0.69	3901	412 (14.71)	484 (3.90)	497 (3.23)	499 (2.40)	336 (22.45)
IRL	54850	1.31	54133	465 (5.88)	494 (4.07)	531 (3.13)	539 (3.24)	447 (9.13)
ITA	481521	1.93	472236	426 (6.31)	472 (2.99)	507 (3.04)	504 (3.88)	406 (8.65)
JPN	1240054	1.42	1222475	464 (6.25)	503 (4.56)	525 (4.13)	530 (5.70)	461 (5.77)
KOR	533504	0.12	532842	459 (11.93)	506 (4.48)	532 (3.10)	554 (3.59)	473 (10.55)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	380 (3.64)	429 (3.38)	452 (4.31)	465 (7.74)	323 (8.23)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47243	419 (8.26)	478 (4.95)	521 (3.75)	550 (2.47)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	442 (5.81)	493 (3.09)	513 (3.50)	531 (4.57)	448 (8.23)
PRT	96857	0.82	96058	414 (6.70)	465 (4.09)	488 (3.69)	504 (4.25)	424 (8.96)
SVK	77067	3.72	74203	447 (4.41)	483 (2.65)	500 (3.72)	512 (4.05)	407 (5.75)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	434 (17.99)	486 (5.39)	519 (3.24)	524 (2.59)	436 (19.07)
CHE	86491	0.48	86079	409 (7.83)	480 (3.80)	516 (2.92)	519 (4.38)	431 (16.89)
TUR	481279	13.78	414937	416 (5.81)	441 (6.27)	471 (9.25)	491 (16.06)	433 (6.29)
GBR	698579	91.67	58219	436 (13.55)	486 (4.92)	514 (3.74)	535 (2.76)	439 (18.31)
USA	3147089	2.76	3060301	378 (8.34)	446 (4.63)	496 (3.81)	518 (2.98)	415 (13.48)
TOT	.	19.74	.	415 (2.46)	474 (1.75)	507 (1.48)	521 (1.56)	418 (4.33)
AVG	.	22.09	.	427 (1.78)	480 (1.04)	512 (0.87)	525 (0.75)	420 (2.70)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	462 (4.93)	495 (3.91)	506 (5.36)	514 (6.85)	463 (6.43)
LIE	338	0.30	337	. (.)	491 (12.75)	538 (6.87)	535 (6.49)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	428 (4.78)	456 (4.57)	475 (5.45)	493 (5.54)	415 (6.15)
YUG	68596	1.85	67326	401 (3.59)	422 (4.32)	438 (6.19)	442 (6.15)	382 (5.69)
THA	637076	5.83	599963	399 (3.67)	413 (3.00)	449 (4.89)	461 (5.88)	352 (12.57)
TUN	150875	33.85	99804	382 (3.80)	411 (6.99)	407 (10.63)	387 (8.63)	337 (5.61)
URY	33775	3.82	32486	384 (5.48)	411 (4.60)	464 (4.70)	491 (4.57)	350 (9.44)

ICT Questionnaire – Question 3

Q3 How long have you been using computers?
Less than one year.
One to three years.
Three to five years.
More than five years.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Less than 1 year mean (SE)	1 to 3 years mean (SE)	3 to 5 years mean (SE)	More than 5 years mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	434 (8.67)	478 (3.73)	511 (3.23)	539 (1.91)	421 (9.14)
AUT	85931	1.17	84927	424 (9.05)	479 (3.67)	523 (3.43)	535 (3.57)	422 (13.88)
BEL	111831	2.30	109260	442 (5.06)	510 (3.47)	562 (2.93)	568 (2.67)	413 (11.34)
CAN	330436	10.12	296990	467 (7.44)	500 (3.56)	529 (2.21)	548 (1.70)	494 (5.33)
CZE	121183	4.27	116013	465 (6.49)	506 (3.48)	536 (3.09)	559 (4.30)	445 (6.95)
DNK	51741	0.70	51378	441 (10.33)	490 (4.15)	515 (3.17)	528 (3.09)	467 (12.00)
FIN	57884	0.07	57845	489 (7.88)	516 (2.78)	540 (2.63)	561 (2.34)	497 (8.04)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	436 (8.27)	492 (3.93)	528 (4.28)	533 (3.53)	431 (9.61)
GRC	105131	2.07	102960	411 (4.01)	441 (4.09)	466 (4.18)	494 (6.88)	377 (10.08)
HUN	107044	0.17	106867	418 (6.49)	464 (3.57)	501 (3.25)	521 (3.85)	425 (9.45)
ISL	3928	0.69	3901	435 (10.28)	495 (3.31)	516 (3.08)	528 (2.06)	412 (19.02)
IRL	54850	1.31	54133	456 (5.22)	480 (3.75)	513 (2.89)	531 (2.94)	443 (7.90)
ITA	481521	1.93	472236	408 (5.35)	458 (3.52)	495 (2.89)	507 (3.99)	401 (6.62)
JPN	1240054	1.42	1222475	501 (5.53)	535 (4.65)	562 (4.70)	565 (5.74)	506 (5.52)
KOR	533504	0.12	532842	452 (10.89)	500 (4.24)	537 (3.20)	570 (4.27)	488 (9.96)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	364 (3.01)	409 (2.82)	439 (4.44)	445 (6.54)	318 (6.92)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47243	424 (7.12)	479 (4.26)	521 (3.66)	551 (2.21)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	440 (5.41)	482 (2.72)	503 (3.10)	532 (4.19)	461 (6.21)
PRT	96857	0.82	96058	403 (6.06)	444 (3.76)	472 (3.13)	505 (3.46)	405 (7.18)
SVK	77067	3.72	74203	471 (3.40)	506 (2.71)	536 (3.66)	555 (4.24)	437 (7.06)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	419 (15.33)	465 (5.14)	506 (3.17)	525 (2.82)	446 (16.23)
CHE	86491	0.48	86079	427 (6.38)	501 (3.67)	540 (3.38)	557 (4.20)	444 (11.09)
TUR	481279	13.78	414937	390 (5.98)	426 (7.33)	468 (10.32)	495 (18.86)	409 (5.56)
GBR	698579	91.67	58219	437 (12.70)	490 (4.49)	521 (3.64)	545 (2.64)	453 (17.04)
USA	3147089	2.76	3060301	373 (7.63)	430 (4.05)	478 (3.25)	507 (2.95)	399 (10.41)
TOT	.	19.74	.	413 (2.35)	471 (1.61)	506 (1.46)	521 (1.50)	432 (4.32)
AVG	.	22.09	.	425 (1.60)	479 (0.96)	515 (0.78)	536 (0.69)	432 (2.47)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	449 (5.18)	485 (3.85)	509 (5.96)	514 (5.99)	444 (5.33)
LIE	338	0.30	337	. (.)	491 (11.85)	538 (8.16)	560 (8.64)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	451 (5.04)	486 (5.11)	511 (5.98)	520 (7.72)	440 (6.38)
YUG	68596	1.85	67326	420 (3.61)	448 (4.39)	467 (5.08)	486 (7.41)	406 (5.74)
THA	637076	5.83	599963	393 (3.69)	412 (3.10)	443 (4.94)	465 (6.49)	346 (10.22)
TUN	150875	33.85	99804	357 (3.13)	400 (6.24)	416 (9.61)	388 (8.61)	330 (4.41)
URY	33775	3.82	32486	376 (5.28)	399 (4.07)	447 (3.88)	476 (4.37)	359 (6.48)

ICT Questionnaire – Question 3

Q3 How long have you been using computers?
Less than one year.
One to three years.
Three to five years.
More than five years.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Less than 1 year mean (SE)	1 to 3 years mean (SE)	3 to 5 years mean (SE)	More than 5 years mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	428 (8.50)	472 (4.60)	514 (3.08)	541 (1.92)	415 (11.30)
AUT	85931	1.17	84927	405 (9.51)	467 (3.95)	508 (3.60)	518 (3.53)	410 (12.40)
BEL	111831	2.30	109260	431 (5.86)	488 (3.51)	540 (2.97)	545 (2.70)	394 (11.96)
CAN	330436	10.12	296990	442 (8.19)	475 (4.19)	514 (2.44)	537 (1.95)	480 (6.37)
CZE	121183	4.27	116013	473 (6.87)	517 (3.30)	540 (3.15)	561 (4.40)	453 (7.04)
DNK	51741	0.70	51378	408 (11.90)	448 (4.26)	482 (3.94)	489 (3.32)	388 (13.71)
FIN	57884	0.07	57845	486 (10.11)	521 (3.21)	545 (2.61)	565 (2.50)	493 (11.49)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	433 (8.78)	491 (4.34)	525 (4.54)	539 (3.71)	419 (9.91)
GRC	105131	2.07	102960	450 (4.50)	479 (4.50)	498 (4.31)	525 (6.63)	420 (12.72)
HUN	107044	0.17	106867	435 (7.78)	479 (3.78)	512 (3.40)	534 (3.93)	435 (10.36)
ISL	3928	0.69	3901	411 (12.72)	477 (4.06)	496 (3.20)	507 (2.25)	369 (18.13)
IRL	54850	1.31	54133	448 (6.23)	481 (3.89)	516 (3.40)	538 (3.52)	447 (8.13)
ITA	481521	1.93	472236	425 (5.95)	480 (3.68)	515 (3.33)	531 (4.27)	413 (8.25)
JPN	1240054	1.42	1222475	511 (6.37)	554 (5.07)	564 (4.94)	581 (5.99)	522 (5.77)
KOR	533504	0.12	532842	447 (12.84)	503 (4.99)	532 (3.53)	566 (4.54)	476 (11.36)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	387 (3.24)	420 (2.70)	455 (4.60)	462 (6.59)	353 (5.99)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47243	416 (8.09)	477 (4.84)	519 (3.75)	549 (2.49)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	444 (6.29)	485 (3.03)	520 (3.94)	539 (5.15)	459 (6.61)
PRT	96857	0.82	96058	405 (6.16)	452 (3.89)	472 (3.32)	504 (4.04)	410 (8.97)
SVK	77067	3.72	74203	470 (4.04)	507 (3.01)	528 (3.93)	554 (4.43)	429 (7.28)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	414 (18.83)	464 (6.23)	505 (4.20)	521 (2.82)	446 (19.64)
CHE	86491	0.48	86079	408 (7.60)	490 (4.21)	531 (3.79)	542 (4.43)	406 (14.14)
TUR	481279	13.78	414937	407 (5.50)	433 (6.03)	472 (9.61)	498 (15.67)	423 (5.32)
GBR	698579	91.67	58219	427 (14.18)	475 (5.69)	508 (4.34)	538 (3.08)	472 (14.60)
USA	3147089	2.76	3060301	383 (8.41)	438 (4.28)	487 (3.72)	516 (2.86)	399 (12.22)
TOT	.	19.74	.	427 (2.31)	480 (1.67)	511 (1.57)	527 (1.45)	445 (4.06)
AVG	.	22.09	.	434 (1.53)	482 (0.97)	514 (0.86)	533 (0.70)	435 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	459 (4.96)	489 (4.31)	515 (5.65)	521 (7.03)	449 (5.90)
LIE	338	0.30	337	. (.)	478 (13.44)	532 (9.05)	547 (8.06)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	471 (5.09)	505 (4.89)	531 (6.63)	541 (7.20)	464 (6.45)
YUG	68596	1.85	67326	420 (3.30)	445 (4.18)	471 (5.53)	483 (7.07)	409 (5.65)
THA	637076	5.83	599963	406 (3.16)	423 (2.95)	459 (4.94)	472 (5.79)	362 (12.92)
TUN	150875	33.85	99804	388 (3.54)	420 (6.74)	428 (9.59)	400 (8.15)	353 (4.94)
URY	33775	3.82	32486	394 (5.00)	420 (3.88)	459 (4.21)	488 (4.67)	375 (8.73)

ICT Questionnaire – Question 3

Q3 How long have you been using computers?
Less than one year.
One to three years.
Three to five years.
More than five years.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Less than 1 year mean (SE)	1 to 3 years mean (SE)	3 to 5 years mean (SE)	More than 5 years mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	436 (7.60)	489 (3.57)	516 (3.08)	544 (1.70)	435 (9.76)
AUT	85931	1.17	84927	427 (8.80)	482 (3.53)	523 (3.33)	532 (3.45)	431 (11.15)
BEL	111831	2.30	109260	445 (5.26)	508 (3.04)	556 (2.84)	560 (2.47)	411 (10.40)
CAN	330436	10.12	296990	465 (7.04)	502 (3.97)	528 (2.24)	545 (1.69)	485 (6.11)
CZE	121183	4.27	116013	469 (6.91)	508 (3.44)	537 (2.90)	557 (4.18)	444 (7.03)
DNK	51741	0.70	51378	447 (11.10)	494 (4.12)	517 (3.25)	530 (3.03)	474 (12.61)
FIN	57884	0.07	57845	492 (8.21)	521 (2.95)	544 (2.72)	564 (2.31)	492 (7.76)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	447 (7.89)	502 (3.82)	536 (4.23)	539 (3.55)	435 (9.07)
GRC	105131	2.07	102960	418 (4.36)	447 (4.18)	463 (4.96)	497 (7.45)	385 (11.58)
HUN	107044	0.17	106867	431 (7.54)	475 (3.57)	514 (3.46)	531 (3.84)	429 (9.63)
ISL	3928	0.69	3901	432 (12.39)	491 (3.57)	502 (2.73)	517 (1.91)	392 (19.55)
IRL	54850	1.31	54133	455 (4.69)	475 (3.79)	512 (2.74)	523 (2.76)	438 (7.96)
ITA	481521	1.93	472236	409 (6.33)	462 (3.40)	500 (2.76)	514 (4.16)	399 (8.62)
JPN	1240054	1.42	1222475	513 (5.86)	549 (4.70)	575 (4.78)	578 (5.66)	516 (5.66)
KOR	533504	0.12	532842	463 (10.47)	516 (3.89)	547 (3.19)	573 (3.91)	506 (8.74)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	358 (3.92)	412 (3.44)	439 (5.08)	456 (7.57)	316 (7.09)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47243	432 (7.51)	492 (4.21)	535 (3.44)	558 (2.13)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	435 (5.61)	479 (2.76)	496 (3.69)	531 (4.28)	458 (5.49)
PRT	96857	0.82	96058	405 (7.04)	450 (4.55)	480 (3.73)	505 (4.01)	403 (8.95)
SVK	77067	3.72	74203	465 (3.53)	503 (3.00)	528 (3.68)	549 (4.23)	427 (6.64)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	422 (18.45)	464 (5.05)	510 (3.18)	522 (2.54)	461 (15.46)
CHE	86491	0.48	86079	428 (6.65)	498 (3.62)	534 (2.85)	551 (3.76)	440 (11.49)
TUR	481279	13.78	414937	377 (5.52)	410 (6.17)	439 (9.55)	478 (17.01)	396 (6.17)
GBR	698579	91.67	58219	437 (12.24)	492 (4.82)	523 (3.88)	547 (2.43)	452 (14.79)
USA	3147089	2.76	3060301	364 (8.78)	430 (4.24)	472 (3.32)	501 (3.01)	385 (12.51)
TOT	.	19.74	.	412 (2.91)	475 (1.73)	507 (1.48)	519 (1.62)	432 (4.57)
AVG	.	22.09	.	425 (1.90)	481 (1.00)	516 (0.78)	536 (0.70)	430 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	450 (6.18)	482 (3.79)	505 (6.31)	525 (6.34)	442 (6.01)
LIE	338	0.30	337	. (.)	489 (12.72)	534 (7.89)	550 (8.41)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	460 (5.41)	498 (5.28)	531 (6.22)	538 (7.51)	442 (6.92)
YUG	68596	1.85	67326	404 (3.31)	433 (4.00)	452 (5.06)	464 (6.72)	388 (5.79)
THA	637076	5.83	599963	402 (3.49)	419 (3.11)	454 (4.53)	472 (5.66)	354 (13.42)
TUN	150875	33.85	99804	346 (3.07)	381 (5.14)	391 (9.96)	369 (7.00)	315 (3.89)
URY	33775	3.82	32486	363 (6.38)	384 (4.75)	442 (4.74)	469 (5.43)	327 (6.20)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At home

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	53.91 (0.75)	31.16 (0.54)	6.42 (0.26)	2.19 (0.17)	3.71 (0.23)	2.60 (0.23)
AUT	85931	1.17	84927	50.16 (1.09)	29.09 (0.76)	12.15 (0.61)	2.63 (0.25)	3.34 (0.27)	2.64 (0.33)
BEL	111831	2.30	109260	56.01 (0.74)	22.27 (0.60)	7.02 (0.34)	2.27 (0.20)	5.85 (0.32)	6.58 (0.52)
CAN	330436	10.12	296990	70.70 (0.56)	16.27 (0.44)	4.11 (0.21)	1.52 (0.12)	4.43 (0.20)	2.97 (0.23)
CZE	121183	4.28	115997	40.58 (1.00)	23.61 (0.63)	10.39 (0.44)	2.33 (0.21)	14.84 (0.60)	8.25 (0.52)
DNK	51741	0.70	51378	56.89 (0.95)	24.29 (0.79)	9.72 (0.54)	2.46 (0.24)	3.08 (0.28)	3.56 (0.32)
FIN	57884	0.07	57845	53.18 (0.69)	22.07 (0.65)	10.46 (0.42)	3.03 (0.23)	8.08 (0.39)	3.18 (0.29)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	54.67 (0.92)	23.43 (0.64)	9.95 (0.45)	2.91 (0.23)	3.92 (0.33)	5.11 (0.48)
GRC	105131	2.07	102960	30.87 (0.86)	19.16 (0.83)	5.41 (0.31)	2.66 (0.27)	30.40 (1.08)	11.50 (0.66)
HUN	107044	0.17	106867	38.19 (0.96)	23.95 (0.73)	5.75 (0.47)	2.03 (0.26)	23.06 (0.69)	7.01 (0.53)
ISL	3928	0.69	3901	66.59 (0.80)	21.42 (0.68)	6.46 (0.48)	2.12 (0.25)	2.17 (0.26)	1.25 (0.21)
IRL	54850	1.31	54133	23.98 (0.84)	33.13 (0.79)	17.48 (0.71)	6.51 (0.39)	11.80 (0.65)	7.11 (0.45)
ITA	481521	1.93	472234	42.67 (0.85)	27.99 (0.64)	7.59 (0.37)	2.59 (0.26)	12.02 (0.59)	7.15 (0.48)
JPN	1240054	1.42	1222475	15.32 (0.85)	15.45 (0.61)	18.14 (0.67)	16.90 (0.55)	17.73 (0.81)	16.45 (0.76)
KOR	533504	0.12	532842	54.94 (1.07)	28.61 (0.80)	10.24 (0.59)	0.81 (0.12)	2.21 (0.22)	3.19 (0.28)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	19.82 (1.07)	14.84 (0.82)	3.72 (0.31)	1.65 (0.22)	31.83 (1.20)	28.15 (1.37)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	48.79 (0.97)	28.76 (0.79)	8.27 (0.46)	3.48 (0.31)	8.50 (0.47)	2.19 (0.21)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	45.33 (1.01)	13.33 (0.60)	3.51 (0.29)	1.38 (0.18)	35.92 (1.11)	0.53 (.)
PRT	96857	0.82	96058	46.90 (1.00)	23.43 (0.65)	4.36 (0.34)	1.38 (0.18)	14.61 (0.73)	9.33 (0.64)
SVK	77067	3.71	74208	31.95 (1.18)	18.84 (0.70)	7.38 (0.36)	2.17 (0.21)	18.34 (0.68)	21.32 (1.04)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	65.10 (0.77)	20.93 (0.67)	6.30 (0.36)	1.53 (0.18)	2.70 (0.28)	3.43 (0.32)
CHE	86491	0.48	86079	48.17 (0.82)	29.95 (0.61)	11.24 (0.44)	3.30 (0.26)	3.25 (0.35)	4.09 (0.29)
TUR	481279	13.78	414937	15.66 (0.98)	9.65 (0.99)	1.80 (0.30)	1.23 (0.23)	24.87 (0.93)	46.80 (1.71)
GBR	698579	91.67	58206	50.62 (1.11)	27.88 (0.83)	8.57 (0.63)	2.94 (0.35)	7.42 (0.49)	2.56 (0.30)
USA	3147089	2.76	3060301	59.27 (0.93)	20.38 (0.61)	5.98 (0.40)	2.62 (0.20)	7.68 (0.50)	4.06 (0.28)
TOT	.	19.74	.	44.47 (0.37)	20.06 (0.25)	7.88 (0.16)	4.07 (0.11)	13.45 (0.27)	10.07 (0.25)
AVG	.	22.08	.	45.63 (0.20)	22.74 (0.15)	8.14 (0.09)	3.01 (0.06)	12.11 (0.15)	8.37 (0.14)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33365	27.88 (1.20)	12.60 (0.66)	4.57 (0.58)	2.13 (0.23)	36.22 (1.37)	16.61 (0.90)
LIE	338	0.30	337	59.90 (2.57)	25.32 (2.30)	6.61 (.)	2.43 (.)	1.51 (.)	4.24 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	22.35 (1.39)	7.58 (0.54)	1.59 (0.17)	0.58 (0.09)	38.02 (1.38)	29.89 (1.44)
YUG	68596	2.12	67145	26.52 (1.07)	9.96 (0.55)	2.12 (0.26)	0.79 (0.15)	33.67 (1.03)	26.95 (1.26)
THA	637076	5.83	599963	15.69 (0.92)	8.44 (0.57)	2.65 (0.28)	1.06 (0.16)	51.46 (1.58)	20.70 (1.19)
TUN	150875	33.84	99822	18.21 (0.90)	11.59 (0.83)	2.75 (0.35)	2.36 (0.29)	21.98 (0.98)	43.11 (1.38)
URY	33775	3.82	32486	33.19 (0.93)	10.41 (0.62)	2.55 (0.27)	1.14 (0.16)	29.06 (1.07)	23.65 (0.95)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?

At home

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (2.08)	528 (2.78)	513 (4.73)	486 (7.79)	461 (6.81)	417 (7.33)
AUT	85931	1.17	84927	506 (3.77)	498 (4.68)	482 (4.98)	438 (16.78)	432 (9.14)	400 (11.01)
BEL	111831	2.30	109260	531 (2.63)	521 (3.97)	513 (4.16)	473 (9.78)	436 (8.49)	385 (10.40)
CAN	330436	10.12	296990	539 (1.69)	531 (2.55)	524 (4.50)	505 (8.91)	484 (4.37)	469 (5.74)
CZE	121183	4.28	115997	504 (3.36)	514 (3.38)	510 (5.02)	488 (8.87)	477 (4.40)	423 (7.06)
DNK	51741	0.70	51378	500 (3.00)	496 (3.63)	490 (4.84)	463 (12.25)	457 (9.76)	418 (11.59)
FIN	57884	0.07	57845	547 (1.88)	549 (2.80)	552 (3.92)	532 (7.08)	518 (5.24)	497 (7.72)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	511 (3.52)	510 (4.29)	511 (5.20)	480 (9.03)	436 (9.01)	401 (9.34)
GRC	105131	2.07	102960	484 (5.41)	495 (5.79)	505 (8.02)	499 (14.50)	461 (3.81)	417 (5.58)
HUN	107044	0.17	106867	494 (3.28)	505 (3.76)	514 (6.73)	486 (13.06)	455 (3.50)	397 (7.38)
ISL	3928	0.69	3901	490 (1.88)	505 (3.64)	505 (7.21)	480 (15.10)	463 (13.21)	405 (23.99)
IRL	54850	1.31	54133	527 (3.82)	530 (3.30)	528 (3.82)	505 (6.08)	480 (5.68)	445 (6.80)
ITA	481521	1.93	472234	482 (3.36)	497 (3.42)	507 (4.51)	488 (8.10)	441 (5.40)	405 (8.07)
JPN	1240054	1.42	1222475	537 (5.61)	525 (4.84)	524 (4.51)	492 (5.47)	460 (5.82)	462 (6.05)
KOR	533504	0.12	532842	527 (3.15)	551 (3.52)	558 (5.34)	517 (18.63)	488 (10.59)	468 (9.42)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	452 (5.42)	440 (6.26)	428 (8.64)	410 (11.98)	410 (3.41)	355 (5.11)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	536 (2.91)	531 (3.62)	525 (6.56)	495 (9.51)	466 (6.35)	457 (12.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	513 (2.97)	515 (4.99)	505 (10.26)	481 (17.28)	474 (3.18)	. (.)
PRT	96857	0.82	96058	494 (3.88)	491 (4.38)	498 (6.13)	475 (12.70)	444 (5.13)	410 (5.90)
SVK	77067	3.71	74208	491 (2.88)	501 (3.40)	506 (5.33)	485 (9.38)	467 (3.93)	413 (4.83)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.55)	528 (4.90)	522 (6.82)	491 (12.89)	472 (9.76)	438 (16.25)
CHE	86491	0.48	86079	509 (3.92)	506 (3.48)	504 (4.95)	471 (8.62)	416 (10.20)	416 (7.70)
TUR	481279	13.78	414937	492 (10.95)	486 (15.37)	506 (18.99)	465 (21.44)	441 (5.96)	420 (4.80)
GBR	698579	91.67	58206	524 (3.02)	526 (4.27)	514 (6.39)	490 (11.32)	468 (6.13)	434 (15.07)
USA	3147089	2.76	3060301	516 (3.02)	494 (4.11)	478 (7.73)	465 (8.26)	445 (5.65)	415 (5.72)
TOT	.	19.74	.	513 (1.41)	505 (1.70)	506 (2.42)	482 (3.60)	446 (1.85)	410 (2.72)
AVG	.	22.08	.	513 (0.68)	513 (0.90)	513 (1.35)	486 (2.63)	456 (1.19)	415 (2.10)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33365	504 (5.22)	513 (5.81)	503 (8.78)	477 (11.70)	489 (4.40)	455 (4.69)
LIE	338	0.30	337	532 (5.51)	520 (10.43)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	474 (4.19)	469 (6.23)	461 (16.26)	445 (21.05)	446 (5.06)	415 (4.80)
YUG	68596	2.12	67145	433 (4.58)	435 (5.25)	429 (10.09)	410 (17.01)	413 (3.97)	383 (4.05)
THA	637076	5.83	599963	463 (4.91)	470 (6.52)	438 (12.52)	393 (17.13)	411 (2.94)	399 (2.92)
TUN	150875	33.84	99822	399 (7.48)	401 (8.96)	369 (11.40)	394 (11.58)	403 (5.26)	354 (4.55)
URY	33775	3.82	32486	478 (4.50)	471 (6.42)	475 (10.71)	422 (24.59)	425 (4.52)	374 (5.41)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At home

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	539 (2.20)	522 (2.70)	510 (5.29)	479 (6.57)	457 (5.24)	426 (7.02)
AUT	85931	1.17	84927	519 (3.64)	509 (4.14)	496 (4.36)	462 (10.98)	454 (8.26)	418 (10.15)
BEL	111831	2.30	109260	556 (2.57)	540 (3.37)	526 (4.30)	485 (6.74)	445 (7.09)	419 (8.68)
CAN	330436	10.12	296990	544 (1.76)	533 (2.36)	523 (4.41)	505 (9.03)	486 (3.98)	479 (5.66)
CZE	121183	4.28	115997	541 (3.80)	540 (3.64)	525 (4.99)	502 (8.83)	490 (4.36)	440 (5.98)
DNK	51741	0.70	51378	526 (3.12)	512 (3.72)	506 (5.39)	483 (12.75)	463 (8.39)	441 (10.94)
FIN	57884	0.07	57845	553 (2.03)	544 (2.85)	547 (3.79)	528 (6.99)	511 (4.96)	494 (6.80)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.47)	512 (4.25)	506 (5.13)	473 (7.87)	445 (8.93)	426 (8.89)
GRC	105131	2.07	102960	467 (4.68)	467 (5.60)	470 (6.25)	456 (11.83)	430 (3.71)	387 (4.61)
HUN	107044	0.17	106867	511 (3.73)	512 (3.74)	521 (7.08)	493 (12.69)	452 (3.43)	401 (7.32)
ISL	3928	0.69	3901	518 (1.86)	518 (3.40)	513 (6.04)	487 (11.54)	463 (12.56)	456 (19.93)
IRL	54850	1.31	54133	519 (3.68)	517 (3.37)	512 (3.87)	490 (5.30)	464 (4.97)	438 (5.33)
ITA	481521	1.93	472234	481 (3.44)	478 (3.44)	486 (5.07)	464 (8.78)	425 (5.21)	392 (6.64)
JPN	1240054	1.42	1222475	563 (6.77)	559 (5.00)	559 (5.30)	532 (5.50)	493 (5.56)	508 (5.30)
KOR	533504	0.12	532842	534 (3.14)	563 (4.33)	562 (5.79)	514 (16.91)	487 (9.73)	476 (9.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	435 (4.90)	421 (5.42)	412 (7.34)	397 (6.91)	394 (2.96)	342 (4.22)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	540 (2.53)	533 (3.19)	524 (5.21)	490 (8.82)	463 (4.85)	441 (9.87)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (2.48)	504 (4.74)	492 (8.89)	458 (14.74)	463 (2.84)	. (.)
PRT	96857	0.82	96058	488 (3.50)	471 (4.07)	477 (6.62)	455 (11.75)	431 (4.59)	400 (4.70)
SVK	77067	3.71	74208	530 (2.94)	524 (3.43)	523 (5.08)	502 (8.36)	492 (4.08)	440 (4.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.67)	516 (4.50)	512 (5.04)	485 (11.90)	460 (9.16)	426 (13.79)
CHE	86491	0.48	86079	542 (4.03)	529 (3.73)	520 (5.16)	487 (8.12)	446 (7.90)	439 (7.22)
TUR	481279	13.78	414937	486 (12.61)	484 (17.97)	498 (21.36)	433 (20.79)	430 (6.38)	397 (4.94)
GBR	698579	91.67	58206	534 (2.84)	533 (3.60)	519 (5.62)	484 (11.29)	469 (5.80)	456 (13.96)
USA	3147089	2.76	3060301	503 (3.04)	482 (3.71)	461 (6.71)	455 (7.23)	431 (5.04)	399 (5.14)
TOT	.	19.74	.	512 (1.40)	503 (1.50)	510 (2.51)	498 (3.66)	441 (1.80)	411 (2.76)
AVG	.	22.08	.	523 (0.66)	515 (0.88)	516 (1.33)	493 (2.39)	451 (1.08)	416 (1.94)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33365	505 (5.25)	506 (5.76)	498 (11.21)	470 (12.06)	480 (3.75)	438 (4.03)
LIE	338	0.30	337	547 (5.95)	527 (10.19)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	504 (4.82)	494 (7.89)	485 (13.89)	469 (19.99)	473 (5.30)	439 (5.05)
YUG	68596	2.12	67145	465 (4.85)	459 (4.61)	456 (10.83)	435 (16.26)	438 (3.95)	402 (3.98)
THA	637076	5.83	599963	469 (5.59)	471 (6.45)	446 (13.57)	396 (18.32)	408 (3.15)	388 (3.17)
TUN	150875	33.84	99822	397 (7.27)	392 (8.81)	358 (10.52)	382 (10.32)	380 (4.43)	341 (3.41)
URY	33775	3.82	32486	466 (4.00)	451 (6.14)	468 (8.73)	410 (17.28)	412 (4.02)	366 (4.03)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At home

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	540 (2.31)	524 (2.90)	510 (5.37)	482 (6.83)	461 (6.34)	427 (8.15)
AUT	85931	1.17	84927	505 (3.84)	496 (4.50)	477 (4.91)	441 (13.93)	436 (8.74)	431 (9.55)
BEL	111831	2.30	109260	532 (2.64)	520 (3.48)	509 (4.33)	473 (9.39)	436 (7.40)	398 (9.15)
CAN	330436	10.12	296990	531 (1.96)	521 (2.76)	510 (4.72)	492 (9.89)	465 (4.45)	464 (6.92)
CZE	121183	4.28	115997	545 (3.94)	545 (3.68)	535 (4.97)	514 (9.30)	497 (5.09)	451 (5.76)
DNK	51741	0.70	51378	489 (3.34)	473 (4.87)	465 (6.21)	438 (14.46)	426 (11.74)	383 (12.50)
FIN	57884	0.07	57845	557 (2.04)	548 (3.35)	550 (4.80)	534 (7.59)	520 (6.05)	491 (8.61)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.69)	513 (4.51)	508 (5.42)	478 (8.47)	440 (9.99)	410 (8.69)
GRC	105131	2.07	102960	503 (4.87)	501 (5.46)	499 (7.66)	493 (12.13)	467 (3.99)	422 (5.83)
HUN	107044	0.17	106867	522 (3.69)	526 (4.07)	532 (8.12)	494 (12.93)	468 (3.76)	424 (7.39)
ISL	3928	0.69	3901	498 (1.84)	498 (3.77)	497 (7.91)	464 (13.92)	451 (11.94)	418 (20.25)
IRL	54850	1.31	54133	523 (3.86)	520 (3.38)	515 (4.14)	489 (6.95)	464 (5.41)	434 (6.03)
ITA	481521	1.93	472234	502 (3.56)	503 (3.27)	507 (5.21)	488 (9.07)	448 (6.03)	399 (8.26)
JPN	1240054	1.42	1222475	583 (6.90)	573 (5.26)	571 (5.32)	539 (6.00)	505 (6.20)	525 (5.69)
KOR	533504	0.12	532842	532 (3.49)	559 (4.60)	558 (6.34)	511 (18.88)	477 (11.80)	463 (10.22)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	452 (5.08)	436 (5.57)	423 (8.85)	414 (8.30)	410 (3.00)	369 (3.47)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	538 (3.06)	532 (3.52)	524 (6.19)	494 (9.26)	454 (5.46)	433 (10.72)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	521 (3.12)	515 (5.41)	500 (11.54)	477 (14.23)	467 (3.18)	. (.)
PRT	96857	0.82	96058	489 (3.66)	475 (4.15)	482 (7.32)	463 (13.18)	434 (4.96)	397 (5.36)
SVK	77067	3.71	74208	525 (3.33)	526 (3.53)	523 (6.08)	514 (9.98)	490 (3.94)	436 (5.52)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (3.06)	516 (5.23)	507 (7.76)	475 (13.52)	450 (11.59)	432 (15.79)
CHE	86491	0.48	86079	526 (4.41)	521 (4.14)	509 (6.24)	484 (10.11)	429 (10.02)	413 (8.63)
TUR	481279	13.78	414937	491 (11.67)	488 (14.53)	496 (19.78)	450 (22.97)	433 (5.58)	413 (4.61)
GBR	698579	91.67	58206	526 (3.43)	522 (4.29)	509 (7.02)	470 (13.97)	453 (6.82)	448 (17.69)
USA	3147089	2.76	3060301	512 (3.11)	489 (3.97)	470 (7.74)	464 (8.06)	438 (6.23)	413 (7.74)
TOT	.	19.74	.	518 (1.49)	509 (1.54)	517 (2.66)	505 (3.94)	451 (2.01)	426 (2.62)
AVG	.	22.08	.	519 (0.76)	515 (0.87)	515 (1.43)	495 (2.64)	459 (1.07)	424 (1.86)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33365	511 (4.93)	512 (6.31)	502 (8.60)	471 (11.80)	482 (4.96)	452 (4.59)
LIE	338	0.30	337	538 (6.82)	514 (11.49)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	527 (4.67)	512 (8.90)	505 (16.53)	490 (24.94)	493 (5.36)	459 (4.89)
YUG	68596	2.12	67145	459 (4.62)	460 (5.57)	458 (12.04)	441 (15.30)	434 (3.47)	411 (3.99)
THA	637076	5.83	599963	483 (4.81)	486 (6.14)	458 (13.22)	417 (15.23)	418 (2.71)	401 (3.16)
TUN	150875	33.84	99822	410 (7.06)	408 (10.00)	377 (10.34)	406 (9.61)	406 (4.80)	370 (3.60)
URY	33775	3.82	32486	476 (4.04)	465 (7.50)	465 (9.43)	444 (19.81)	432 (4.07)	388 (4.38)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At home

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	543 (1.91)	530 (2.76)	517 (4.61)	492 (7.10)	474 (5.01)	431 (8.07)
AUT	85931	1.17	84927	518 (3.50)	509 (3.98)	496 (4.40)	461 (11.57)	468 (8.23)	439 (10.25)
BEL	111831	2.30	109260	550 (2.46)	536 (3.34)	521 (3.86)	488 (6.36)	451 (6.43)	415 (7.98)
CAN	330436	10.12	296990	543 (1.73)	530 (2.25)	519 (4.32)	495 (8.48)	477 (4.17)	472 (6.20)
CZE	121183	4.28	115997	540 (3.51)	540 (3.46)	528 (5.04)	503 (8.50)	493 (4.61)	440 (6.16)
DNK	51741	0.70	51378	529 (2.91)	515 (3.15)	507 (5.53)	480 (10.34)	461 (7.41)	444 (12.25)
FIN	57884	0.07	57845	556 (1.94)	549 (2.78)	549 (4.24)	531 (6.88)	515 (5.22)	490 (6.70)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	532 (3.52)	522 (3.96)	517 (4.91)	486 (7.15)	453 (9.60)	435 (8.15)
GRC	105131	2.07	102960	467 (5.32)	471 (5.70)	478 (7.39)	465 (14.12)	437 (3.57)	384 (4.76)
HUN	107044	0.17	106867	521 (3.71)	525 (3.93)	534 (7.20)	504 (14.00)	464 (3.61)	409 (7.41)
ISL	3928	0.69	3901	507 (1.72)	510 (3.44)	506 (6.69)	476 (11.18)	462 (12.34)	437 (20.06)
IRL	54850	1.31	54133	514 (3.46)	511 (3.24)	505 (3.85)	481 (5.14)	468 (4.81)	435 (5.32)
ITA	481521	1.93	472234	484 (3.52)	485 (3.37)	491 (4.83)	469 (9.43)	430 (5.55)	392 (7.33)
JPN	1240054	1.42	1222475	583 (6.47)	576 (5.04)	572 (4.94)	540 (5.75)	504 (5.63)	517 (5.77)
KOR	533504	0.12	532842	544 (3.14)	568 (4.03)	565 (5.55)	525 (16.84)	499 (9.18)	496 (8.02)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (5.37)	427 (6.41)	419 (7.82)	387 (13.06)	389 (3.76)	338 (4.73)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	549 (2.45)	542 (3.33)	533 (5.08)	500 (8.57)	479 (4.92)	451 (10.46)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	508 (2.86)	501 (5.19)	491 (9.22)	461 (14.78)	459 (2.97)	. (.)
PRT	96857	0.82	96058	491 (3.81)	478 (4.41)	486 (7.46)	455 (12.25)	436 (5.10)	399 (5.69)
SVK	77067	3.71	74208	523 (3.01)	521 (3.28)	521 (5.06)	490 (9.47)	486 (3.89)	431 (4.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.35)	516 (4.29)	509 (6.40)	485 (11.88)	466 (8.09)	444 (13.51)
CHE	86491	0.48	86079	533 (3.74)	526 (3.81)	520 (4.72)	492 (7.70)	455 (9.19)	433 (7.37)
TUR	481279	13.78	414937	467 (11.13)	455 (16.67)	466 (18.47)	415 (22.18)	412 (5.55)	385 (4.89)
GBR	698579	91.67	58206	536 (2.95)	536 (3.63)	524 (5.75)	485 (11.25)	469 (5.56)	443 (14.67)
USA	3147089	2.76	3060301	497 (3.09)	477 (4.09)	457 (7.10)	447 (8.06)	431 (5.85)	389 (5.87)
TOT	.	19.74	.	512 (1.45)	505 (1.60)	515 (2.52)	501 (3.96)	441 (1.98)	408 (3.05)
AVG	.	22.08	.	523 (0.65)	517 (0.87)	518 (1.32)	495 (2.51)	453 (1.20)	413 (2.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33365	507 (5.97)	503 (5.76)	495 (11.22)	465 (11.66)	478 (4.49)	437 (4.66)
LIE	338	0.30	337	540 (5.67)	521 (10.62)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	523 (4.46)	511 (7.79)	497 (14.10)	495 (21.49)	481 (5.33)	446 (5.61)
YUG	68596	2.12	67145	447 (4.46)	442 (5.26)	435 (9.88)	411 (16.15)	422 (3.70)	386 (3.95)
THA	637076	5.83	599963	474 (4.98)	478 (7.04)	452 (14.68)	406 (18.90)	417 (2.99)	397 (2.98)
TUN	150875	33.84	99822	377 (6.14)	374 (7.54)	347 (12.81)	357 (11.85)	360 (4.26)	331 (3.33)
URY	33775	3.82	32486	457 (4.86)	443 (8.56)	457 (12.66)	389 (23.72)	403 (4.34)	346 (4.90)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At school

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	14.81 (0.69)	42.79 (0.89)	25.88 (0.64)	10.71 (0.49)	2.86 (0.25)	2.95 (0.21)
AUT	85931	1.17	84927	10.23 (1.00)	39.41 (1.45)	28.82 (1.38)	8.30 (0.62)	6.82 (0.73)	6.41 (0.60)
BEL	111831	2.30	109260	1.64 (0.20)	22.11 (0.80)	31.12 (0.83)	16.55 (0.66)	17.83 (0.91)	10.74 (0.59)
CAN	330436	10.12	296990	14.16 (0.62)	24.60 (0.58)	29.50 (0.63)	20.38 (0.52)	7.35 (0.41)	4.01 (0.23)
CZE	121183	4.28	115997	4.29 (0.44)	33.46 (1.45)	41.07 (1.49)	6.23 (0.65)	7.24 (0.90)	7.70 (0.55)
DNK	51741	0.70	51378	21.57 (1.17)	43.37 (1.06)	24.32 (1.10)	5.80 (0.64)	0.77 (0.15)	4.17 (0.39)
FIN	57884	0.07	57845	3.72 (0.47)	31.13 (1.19)	39.96 (0.98)	17.18 (0.92)	4.71 (0.78)	3.30 (0.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	1.19 (0.18)	19.72 (1.06)	25.24 (1.26)	24.07 (1.05)	18.93 (1.05)	10.86 (0.71)
GRC	105131	2.07	102960	4.04 (0.53)	36.94 (2.04)	24.38 (1.55)	8.34 (0.76)	17.42 (1.41)	8.88 (0.52)
HUN	107044	0.17	106867	6.13 (0.75)	70.47 (1.28)	10.01 (0.75)	3.83 (0.38)	4.94 (0.70)	4.62 (0.39)
ISL	3928	0.69	3901	5.02 (0.40)	34.95 (0.83)	39.45 (0.80)	12.88 (0.59)	5.94 (0.39)	1.76 (0.23)
IRL	54850	1.31	54133	2.03 (0.32)	20.42 (1.24)	24.91 (1.72)	15.17 (1.06)	30.01 (1.55)	7.47 (0.53)
ITA	481521	1.93	472234	3.35 (0.46)	42.97 (1.82)	18.11 (0.84)	10.24 (0.72)	16.93 (1.60)	8.39 (0.47)
JPN	1240054	1.42	1222475	1.87 (0.43)	19.64 (1.87)	27.10 (2.23)	13.00 (1.06)	20.98 (2.20)	17.42 (0.82)
KOR	533504	0.12	532842	3.19 (0.47)	21.40 (1.50)	24.81 (1.49)	12.35 (0.85)	24.56 (1.92)	13.69 (0.58)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	6.52 (0.57)	35.65 (1.94)	12.46 (0.71)	7.42 (0.40)	15.64 (1.15)	22.32 (1.55)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	20.30 (0.87)	21.53 (0.76)	25.23 (0.74)	21.90 (0.94)	8.26 (0.52)	2.78 (0.28)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	2.24 (0.30)	40.38 (1.73)	32.80 (1.38)	9.43 (1.01)	11.49 (1.52)	3.67 (0.32)
PRT	96857	0.82	96058	4.74 (0.49)	26.78 (1.19)	23.42 (0.92)	23.63 (0.86)	13.78 (1.06)	7.65 (0.56)
SVK	77067	3.71	74208	3.15 (0.47)	29.93 (1.24)	23.85 (1.33)	5.30 (0.53)	16.29 (1.21)	21.48 (1.20)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	14.43 (0.91)	31.54 (1.00)	28.57 (0.78)	14.50 (0.65)	5.91 (0.71)	5.05 (0.40)
CHE	86491	0.48	86079	3.06 (0.33)	24.54 (1.19)	33.29 (1.15)	19.49 (1.21)	12.05 (0.81)	7.58 (0.48)
TUR	481279	13.78	414937	3.79 (0.58)	22.49 (2.31)	4.68 (0.58)	3.31 (0.49)	23.17 (1.86)	42.56 (1.77)
GBR	698579	91.67	58206	22.16 (1.35)	46.81 (1.50)	14.94 (0.80)	9.28 (0.71)	4.46 (0.57)	2.35 (0.29)
USA	3147089	2.76	3060301	19.26 (1.10)	21.44 (0.76)	27.04 (0.84)	19.64 (0.78)	7.51 (0.64)	5.11 (0.34)
TOT	.	19.74	.	9.38 (0.39)	26.78 (0.44)	24.33 (0.43)	14.80 (0.33)	13.54 (0.44)	11.18 (0.25)
AVG	.	22.08	.	7.34 (0.15)	31.73 (0.24)	26.20 (0.25)	12.92 (0.18)	12.46 (0.23)	9.35 (0.15)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	3.23 (0.58)	28.37 (1.67)	23.56 (1.26)	20.20 (1.13)	14.53 (1.28)	10.10 (0.80)
LIE	338	0.30	337	9.31 (1.16)	44.75 (2.39)	28.37 (2.40)	11.14 (1.88)	2.72 (.)	3.72 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	2.28 (0.46)	31.10 (1.67)	29.66 (1.02)	2.95 (0.31)	11.91 (1.14)	22.09 (1.19)
YUG	68596	1.94	67268	2.89 (0.32)	42.05 (1.46)	28.82 (1.42)	2.02 (0.32)	2.86 (0.79)	21.36 (1.08)
THA	637076	5.83	599963	5.43 (0.62)	46.84 (1.63)	23.16 (1.06)	13.37 (1.04)	6.92 (1.12)	4.29 (0.41)
TUN	150875	33.84	99822	1.47 (0.24)	11.55 (1.39)	6.80 (0.64)	6.58 (0.65)	29.96 (1.45)	43.64 (1.42)
URY	33775	3.83	32482	5.75 (0.51)	15.16 (1.30)	8.43 (0.66)	8.66 (0.55)	38.50 (1.80)	23.50 (0.98)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At school

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	527 (4.10)	527 (2.33)	538 (2.66)	525 (3.94)	511 (8.04)	417 (6.96)
AUT	85931	1.17	84927	495 (6.90)	506 (4.36)	496 (4.87)	500 (8.48)	465 (8.44)	424 (9.08)
BEL	111831	2.30	109260	445 (12.72)	505 (4.09)	537 (2.84)	530 (5.24)	514 (5.36)	423 (8.61)
CAN	330436	10.12	296990	535 (3.63)	529 (2.57)	539 (2.33)	536 (2.71)	517 (4.33)	486 (5.77)
CZE	121183	4.28	115997	508 (8.10)	514 (4.90)	500 (2.95)	488 (6.48)	471 (8.31)	422 (7.32)
DNK	51741	0.70	51378	484 (4.92)	496 (3.16)	509 (3.46)	497 (6.73)	479 (15.65)	414 (10.46)
FIN	57884	0.07	57845	524 (7.39)	539 (2.26)	550 (2.07)	552 (3.02)	536 (6.87)	492 (8.79)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	448 (18.20)	480 (6.45)	509 (4.72)	527 (4.27)	517 (5.02)	441 (8.15)
GRC	105131	2.07	102960	421 (9.91)	460 (4.70)	478 (5.84)	509 (7.02)	505 (6.18)	440 (8.51)
HUN	107044	0.17	106867	480 (7.74)	483 (2.70)	492 (6.36)	506 (11.22)	496 (12.68)	410 (9.83)
ISL	3928	0.69	3901	472 (9.69)	490 (2.80)	503 (2.75)	496 (4.70)	478 (7.33)	398 (20.11)
IRL	54850	1.31	54133	508 (14.01)	522 (4.43)	523 (4.94)	512 (4.34)	519 (3.45)	465 (6.37)
ITA	481521	1.93	472234	445 (9.03)	469 (3.92)	502 (4.20)	500 (6.47)	492 (6.67)	426 (7.24)
JPN	1240054	1.42	1222475	507 (16.94)	481 (8.28)	507 (7.08)	512 (8.41)	522 (7.19)	468 (5.64)
KOR	533504	0.12	532842	534 (7.70)	532 (6.19)	541 (4.06)	550 (5.06)	543 (3.79)	495 (4.12)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	409 (8.39)	425 (6.45)	424 (5.59)	419 (7.19)	421 (3.85)	358 (6.26)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	518 (4.21)	510 (4.29)	540 (3.49)	545 (3.88)	508 (7.11)	442 (13.36)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	421 (10.28)	490 (3.84)	518 (3.43)	500 (5.57)	498 (7.56)	444 (7.20)
PRT	96857	0.82	96058	431 (8.14)	466 (5.87)	491 (4.17)	497 (3.77)	501 (5.59)	411 (7.23)
SVK	77067	3.71	74208	490 (9.38)	497 (3.56)	497 (3.55)	486 (8.85)	460 (5.47)	414 (4.66)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	490 (4.43)	508 (2.89)	533 (3.37)	537 (4.93)	520 (8.12)	457 (9.52)
CHE	86491	0.48	86079	502 (14.10)	496 (4.35)	508 (5.72)	509 (4.78)	498 (5.10)	446 (6.18)
TUR	481279	13.78	414937	431 (28.15)	440 (11.00)	468 (15.69)	481 (19.39)	470 (8.67)	430 (5.22)
GBR	698579	91.67	58206	507 (5.54)	517 (3.05)	526 (4.85)	529 (6.40)	518 (9.66)	459 (14.77)
USA	3147089	2.76	3060301	492 (4.81)	501 (4.45)	518 (3.96)	506 (4.29)	478 (7.03)	404 (6.64)
TOT	.	19.74	.	488 (3.28)	485 (2.22)	512 (2.03)	509 (2.22)	496 (2.65)	426 (2.60)
AVG	.	22.08	.	492 (1.63)	494 (1.08)	514 (0.92)	516 (1.33)	500 (1.65)	431 (1.85)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	475 (14.26)	486 (5.31)	503 (4.77)	501 (4.63)	495 (5.66)	456 (5.53)
LIE	338	0.30	337	517 (13.01)	517 (6.87)	545 (9.33)	551 (14.19)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	427 (14.51)	448 (5.06)	463 (4.49)	461 (9.08)	444 (5.76)	416 (5.99)
YUG	68596	1.94	67268	358 (9.59)	416 (3.52)	431 (4.44)	403 (10.03)	427 (15.99)	388 (5.09)
THA	637076	5.83	599963	403 (5.98)	420 (3.45)	436 (4.03)	429 (6.39)	415 (7.77)	391 (6.56)
TUN	150875	33.84	99822	316 (18.34)	381 (15.10)	382 (11.03)	373 (8.44)	412 (6.06)	361 (4.33)
URY	33775	3.83	32482	377 (12.16)	441 (8.89)	471 (8.80)	466 (8.46)	458 (4.19)	389 (5.15)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At school

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (4.06)	527 (2.36)	534 (2.65)	519 (3.95)	505 (6.92)	431 (6.23)
AUT	85931	1.17	84927	501 (6.42)	517 (3.89)	512 (4.58)	517 (7.39)	488 (7.96)	449 (9.57)
BEL	111831	2.30	109260	466 (10.15)	523 (4.26)	559 (2.88)	553 (5.34)	535 (4.60)	458 (7.34)
CAN	330436	10.12	296990	544 (3.51)	535 (2.53)	541 (2.51)	538 (2.74)	523 (3.99)	493 (5.04)
CZE	121183	4.28	115997	539 (8.13)	543 (5.91)	527 (3.17)	506 (6.90)	486 (7.16)	447 (6.27)
DNK	51741	0.70	51378	508 (5.06)	518 (3.30)	528 (3.62)	513 (7.52)	469 (14.39)	450 (10.23)
FIN	57884	0.07	57845	532 (8.85)	544 (2.39)	551 (2.32)	547 (3.28)	527 (6.14)	498 (7.04)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	483 (16.90)	491 (6.35)	520 (4.57)	535 (4.05)	521 (4.96)	460 (7.30)
GRC	105131	2.07	102960	398 (7.39)	434 (4.83)	458 (5.48)	468 (7.20)	472 (5.30)	417 (6.12)
HUN	107044	0.17	106867	496 (8.11)	491 (3.10)	506 (5.79)	509 (11.85)	499 (14.45)	414 (9.66)
ISL	3928	0.69	3901	497 (8.17)	513 (2.30)	524 (2.29)	520 (4.63)	502 (6.11)	446 (16.79)
IRL	54850	1.31	54133	504 (11.83)	506 (4.17)	513 (4.40)	500 (4.33)	505 (3.54)	458 (6.49)
ITA	481521	1.93	472234	439 (9.75)	459 (3.48)	494 (4.54)	485 (6.01)	475 (6.81)	422 (5.26)
JPN	1240054	1.42	1222475	524 (15.59)	511 (7.73)	544 (7.76)	553 (8.90)	553 (7.11)	512 (5.36)
KOR	533504	0.12	532842	539 (10.41)	535 (7.09)	552 (4.53)	553 (5.52)	553 (4.55)	510 (4.28)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	392 (7.46)	408 (5.93)	411 (4.87)	396 (7.13)	403 (3.24)	347 (5.02)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	517 (4.26)	511 (4.03)	541 (3.65)	545 (3.60)	511 (5.93)	472 (13.46)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	429 (9.38)	486 (3.25)	510 (3.24)	493 (6.22)	484 (6.53)	450 (7.40)
PRT	96857	0.82	96058	436 (7.91)	457 (5.12)	480 (3.62)	481 (3.79)	483 (4.88)	402 (6.19)
SVK	77067	3.71	74208	523 (10.14)	525 (4.14)	529 (3.52)	508 (8.60)	489 (4.46)	443 (4.24)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	490 (4.52)	505 (3.26)	524 (3.39)	528 (4.57)	508 (8.05)	461 (8.96)
CHE	86491	0.48	86079	540 (13.86)	527 (5.20)	538 (4.94)	531 (3.96)	519 (5.48)	476 (6.76)
TUR	481279	13.78	414937	424 (32.77)	420 (12.63)	466 (16.02)	483 (22.50)	464 (9.47)	409 (5.60)
GBR	698579	91.67	58206	523 (5.17)	524 (2.65)	534 (4.71)	530 (6.28)	514 (7.91)	471 (12.39)
USA	3147089	2.76	3060301	484 (4.37)	490 (4.30)	502 (3.85)	490 (4.10)	460 (6.17)	401 (5.75)
TOT	.	19.74	.	484 (3.10)	483 (2.13)	513 (1.98)	507 (2.18)	496 (2.98)	432 (2.63)
AVG	.	22.08	.	498 (1.68)	498 (1.11)	522 (0.89)	518 (1.27)	501 (1.74)	440 (1.83)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	477 (13.38)	482 (6.02)	496 (4.72)	492 (4.22)	486 (5.49)	446 (4.96)
LIE	338	0.30	337	547 (15.59)	528 (7.69)	555 (9.70)	551 (14.44)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	474 (12.70)	480 (5.11)	489 (5.17)	478 (10.17)	464 (4.95)	440 (6.48)
YUG	68596	1.94	67268	388 (9.59)	442 (3.64)	455 (4.79)	421 (8.30)	447 (13.75)	413 (5.35)
THA	637076	5.83	599963	396 (6.60)	414 (3.81)	436 (4.85)	428 (6.44)	427 (9.10)	387 (7.15)
TUN	150875	33.84	99822	307 (11.01)	368 (16.65)	368 (11.36)	359 (8.07)	398 (4.94)	349 (3.37)
URY	33775	3.83	32482	353 (11.32)	429 (8.86)	459 (6.68)	448 (5.80)	446 (3.53)	384 (3.75)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At school

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (4.49)	529 (2.48)	533 (3.01)	519 (4.34)	503 (6.70)	429 (6.95)
AUT	85931	1.17	84927	484 (7.00)	502 (4.02)	498 (4.77)	503 (8.33)	470 (7.74)	438 (8.75)
BEL	111831	2.30	109260	440 (12.07)	499 (3.98)	536 (2.78)	534 (5.18)	518 (5.07)	436 (7.44)
CAN	330436	10.12	296990	529 (3.76)	521 (2.83)	529 (2.89)	528 (2.88)	508 (5.25)	474 (6.42)
CZE	121183	4.28	115997	548 (10.21)	547 (5.50)	532 (3.32)	515 (6.93)	500 (8.29)	456 (5.67)
DNK	51741	0.70	51378	468 (5.47)	481 (3.67)	490 (3.87)	473 (9.08)	443 (18.15)	394 (11.38)
FIN	57884	0.07	57845	536 (9.42)	549 (2.71)	555 (2.37)	551 (3.65)	529 (7.39)	494 (9.41)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	471 (19.09)	489 (7.24)	520 (4.80)	538 (4.38)	527 (5.57)	452 (7.88)
GRC	105131	2.07	102960	439 (8.80)	471 (4.75)	489 (4.89)	503 (6.79)	511 (6.02)	450 (8.36)
HUN	107044	0.17	106867	510 (7.99)	505 (2.93)	515 (6.57)	524 (11.51)	506 (13.42)	433 (10.52)
ISL	3928	0.69	3901	483 (9.10)	494 (2.75)	504 (2.43)	493 (4.81)	479 (7.95)	422 (15.72)
IRL	54850	1.31	54133	499 (12.77)	510 (4.76)	515 (4.83)	500 (4.88)	508 (3.66)	459 (6.66)
ITA	481521	1.93	472234	449 (11.80)	479 (3.85)	519 (5.15)	512 (7.23)	499 (6.95)	434 (6.32)
JPN	1240054	1.42	1222475	549 (16.43)	526 (8.65)	557 (8.19)	564 (9.40)	564 (7.43)	529 (5.66)
KOR	533504	0.12	532842	538 (10.79)	533 (7.40)	547 (5.22)	551 (5.72)	548 (4.54)	504 (4.89)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	411 (7.67)	423 (5.86)	426 (4.75)	416 (7.11)	422 (3.67)	373 (4.74)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	510 (4.72)	507 (4.28)	539 (3.68)	545 (3.79)	516 (6.56)	462 (14.07)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	428 (10.64)	491 (3.63)	518 (4.00)	499 (6.81)	505 (7.49)	436 (8.81)
PRT	96857	0.82	96058	433 (9.26)	461 (5.52)	482 (3.50)	483 (4.07)	486 (5.70)	398 (6.18)
SVK	77067	3.71	74208	520 (10.47)	524 (4.42)	527 (3.53)	509 (9.48)	485 (4.98)	441 (5.10)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	480 (5.82)	500 (3.34)	522 (3.80)	532 (5.33)	514 (9.60)	458 (10.19)
CHE	86491	0.48	86079	527 (15.72)	513 (5.54)	526 (5.47)	518 (4.92)	506 (6.06)	454 (7.16)
TUR	481279	13.78	414937	432 (29.00)	431 (10.83)	471 (14.38)	486 (21.83)	465 (9.27)	423 (5.05)
GBR	698579	91.67	58206	507 (6.38)	514 (3.40)	524 (6.01)	524 (7.18)	509 (10.07)	481 (13.68)
USA	3147089	2.76	3060301	493 (4.93)	499 (4.38)	510 (4.18)	498 (4.29)	469 (7.13)	411 (6.68)
TOT	.	19.74	.	490 (3.43)	491 (2.18)	519 (2.15)	513 (2.18)	504 (3.02)	443 (2.45)
AVG	.	22.08	.	493 (1.68)	499 (1.10)	520 (0.90)	518 (1.24)	505 (1.69)	443 (1.75)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	484 (17.49)	486 (5.74)	504 (4.99)	498 (5.07)	490 (5.70)	452 (5.28)
LIE	338	0.30	337	526 (14.50)	518 (8.39)	544 (10.39)	543 (15.65)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	484 (14.95)	496 (5.39)	510 (4.87)	508 (10.92)	492 (5.72)	462 (6.16)
YUG	68596	1.94	67268	390 (9.26)	439 (3.45)	453 (4.48)	422 (10.45)	447 (13.11)	420 (4.81)
THA	637076	5.83	599963	414 (6.72)	429 (3.40)	446 (4.13)	438 (6.36)	426 (8.03)	396 (7.58)
TUN	150875	33.84	99822	333 (13.07)	394 (15.92)	398 (11.74)	386 (8.82)	418 (5.29)	372 (3.57)
URY	33775	3.83	32482	381 (11.05)	439 (8.22)	465 (7.42)	470 (7.50)	460 (4.15)	405 (4.68)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At school

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (3.63)	532 (2.33)	539 (2.46)	525 (3.90)	513 (6.22)	439 (6.71)
AUT	85931	1.17	84927	497 (6.27)	515 (3.73)	512 (4.38)	522 (7.03)	496 (8.26)	457 (9.20)
BEL	111831	2.30	109260	464 (10.78)	519 (3.87)	553 (2.83)	549 (4.65)	529 (4.69)	455 (6.72)
CAN	330436	10.12	296990	541 (3.49)	532 (2.53)	540 (2.25)	537 (2.67)	519 (3.98)	486 (5.91)
CZE	121183	4.28	115997	542 (8.16)	543 (5.45)	526 (2.97)	506 (6.61)	487 (7.22)	450 (6.68)
DNK	51741	0.70	51378	507 (4.80)	519 (2.98)	532 (3.24)	521 (7.51)	500 (16.67)	460 (11.09)
FIN	57884	0.07	57845	534 (8.65)	547 (2.48)	554 (2.21)	552 (3.12)	533 (6.20)	491 (7.00)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	483 (17.88)	501 (6.18)	528 (4.44)	541 (3.98)	529 (4.89)	470 (7.06)
GRC	105131	2.07	102960	392 (7.89)	435 (4.78)	459 (5.40)	478 (7.09)	481 (5.48)	422 (6.51)
HUN	107044	0.17	106867	502 (7.53)	502 (3.19)	516 (5.81)	525 (11.25)	515 (15.19)	425 (9.36)
ISL	3928	0.69	3901	487 (7.64)	502 (2.25)	513 (2.28)	510 (4.85)	495 (6.55)	432 (16.62)
IRL	54850	1.31	54133	501 (12.04)	508 (3.75)	507 (4.04)	495 (4.18)	496 (3.20)	457 (6.09)
ITA	481521	1.93	472234	437 (9.64)	464 (3.73)	499 (4.61)	491 (5.92)	486 (6.65)	413 (6.86)
JPN	1240054	1.42	1222475	545 (14.42)	529 (8.38)	556 (7.46)	565 (8.53)	566 (7.20)	521 (5.55)
KOR	533504	0.12	532842	544 (9.50)	544 (6.65)	557 (4.23)	561 (5.27)	560 (4.02)	523 (4.20)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	393 (7.83)	409 (7.22)	410 (5.88)	397 (7.84)	401 (4.32)	345 (5.45)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.85	47252	531 (4.23)	523 (4.05)	548 (3.09)	552 (3.42)	518 (6.45)	475 (12.82)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	421 (10.27)	482 (3.49)	505 (3.36)	490 (5.34)	482 (6.87)	450 (7.02)
PRT	96857	0.82	96058	438 (9.00)	460 (5.84)	484 (4.00)	486 (4.20)	491 (5.62)	400 (6.98)
SVK	77067	3.71	74208	518 (10.32)	521 (4.21)	522 (3.37)	503 (8.61)	481 (4.63)	436 (4.20)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	486 (4.11)	503 (3.13)	524 (3.35)	529 (4.64)	512 (8.47)	470 (8.90)
CHE	86491	0.48	86079	526 (14.81)	520 (4.97)	533 (4.81)	529 (4.02)	518 (4.86)	465 (6.27)
TUR	481279	13.78	414937	406 (31.22)	406 (11.28)	441 (15.22)	449 (19.46)	442 (8.49)	395 (5.35)
GBR	698579	91.67	58206	522 (5.60)	527 (2.61)	536 (5.11)	533 (6.16)	523 (8.36)	457 (13.36)
USA	3147089	2.76	3060301	479 (4.80)	484 (4.31)	499 (4.06)	485 (4.21)	456 (6.13)	381 (6.31)
TOT	.	19.74	.	480 (3.35)	485 (2.28)	514 (2.09)	507 (2.18)	498 (3.02)	430 (2.79)
AVG	.	22.08	.	498 (1.71)	500 (1.14)	522 (0.88)	520 (1.28)	501 (1.77)	438 (1.93)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	477 (15.08)	478 (6.32)	497 (4.77)	492 (4.55)	487 (5.66)	442 (5.52)
LIE	338	0.30	337	535 (13.18)	521 (6.99)	550 (9.41)	547 (14.25)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	477 (13.87)	491 (5.20)	502 (5.58)	491 (9.85)	474 (5.83)	448 (7.27)
YUG	68596	1.94	67268	361 (9.37)	423 (3.32)	440 (4.28)	408 (9.11)	443 (14.18)	397 (5.10)
THA	637076	5.83	599963	406 (7.04)	423 (3.43)	443 (4.12)	434 (6.23)	432 (8.64)	396 (6.70)
TUN	150875	33.84	99822	318 (15.91)	353 (13.09)	350 (9.39)	344 (7.99)	376 (4.23)	337 (3.20)
URY	33775	3.83	32482	348 (11.59)	422 (9.55)	446 (7.74)	434 (6.23)	436 (4.09)	365 (4.56)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At other places

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	2.69 (0.22)	10.84 (0.43)	25.13 (0.66)	34.09 (0.54)	21.25 (0.43)	6.00 (0.30)
AUT	85931	1.17	84927	3.83 (0.38)	8.93 (0.49)	19.96 (0.62)	19.80 (0.69)	26.40 (0.88)	21.08 (0.75)
BEL	111831	2.30	109260	2.58 (0.19)	10.79 (0.42)	19.54 (0.51)	28.91 (0.63)	26.85 (0.53)	11.33 (0.50)
CAN	330436	10.12	296990	5.75 (0.24)	21.88 (0.46)	31.49 (0.46)	25.42 (0.46)	9.06 (0.33)	6.40 (0.26)
CZE	121183	4.28	115997	3.78 (0.29)	13.24 (0.50)	25.11 (0.70)	27.65 (0.67)	17.80 (0.59)	12.42 (0.62)
DNK	51741	0.70	51378	5.71 (0.40)	15.12 (0.58)	21.11 (0.81)	20.99 (0.76)	19.99 (0.70)	17.07 (0.69)
FIN	57884	0.07	57845	4.09 (0.29)	15.36 (0.57)	25.93 (0.65)	33.72 (0.76)	14.54 (0.50)	6.37 (0.35)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	2.81 (0.26)	10.24 (0.51)	16.34 (0.57)	21.64 (0.68)	32.85 (0.81)	16.11 (0.76)
GRC	105131	2.07	102960	5.73 (0.36)	14.68 (0.52)	16.31 (0.53)	19.47 (0.82)	23.63 (0.59)	20.17 (0.75)
HUN	107044	0.17	106867	4.81 (0.27)	18.59 (0.56)	24.93 (0.70)	19.52 (0.64)	21.02 (0.66)	11.13 (0.51)
ISL	3928	0.69	3901	3.64 (0.33)	16.49 (0.62)	28.83 (0.70)	30.31 (0.76)	18.40 (0.68)	2.33 (0.26)
IRL	54850	1.31	54133	1.27 (0.19)	6.59 (0.44)	15.69 (0.72)	27.13 (0.75)	35.93 (0.83)	13.38 (0.73)
ITA	481521	1.93	472234	2.81 (0.19)	12.31 (0.49)	14.32 (0.43)	16.06 (0.54)	35.20 (0.74)	19.30 (0.71)
JPN	1240054	1.42	1222475	0.41 (.)	1.37 (0.19)	4.23 (0.34)	20.07 (0.79)	54.03 (0.96)	19.89 (0.78)
KOR	533504	0.12	532842	3.00 (0.26)	14.06 (0.59)	27.00 (0.80)	24.68 (0.78)	14.18 (0.65)	17.07 (0.51)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	6.92 (0.46)	21.14 (0.76)	17.83 (0.75)	16.14 (0.63)	14.50 (0.84)	23.47 (1.35)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47241	3.02 (0.31)	12.56 (0.60)	24.52 (0.60)	32.56 (0.67)	20.51 (0.68)	6.84 (0.42)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	4.72 (0.33)	19.67 (0.64)	21.53 (0.68)	26.58 (0.76)	24.50 (0.85)	3.00 (0.28)
PRT	96857	0.82	96058	3.73 (0.36)	14.96 (0.56)	18.47 (0.77)	22.02 (0.77)	23.05 (0.91)	17.76 (0.85)
SVK	77067	3.71	74208	3.45 (0.27)	12.74 (0.50)	23.11 (0.78)	20.23 (0.72)	15.85 (0.74)	24.62 (0.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	4.32 (0.32)	13.68 (0.59)	24.97 (0.58)	25.93 (0.68)	20.48 (0.61)	10.62 (0.52)
CHE	86491	0.48	86079	3.12 (0.25)	7.06 (0.59)	13.41 (0.51)	22.48 (0.65)	33.61 (0.71)	20.32 (0.64)
TUR	481279	13.78	414937	8.57 (0.64)	18.68 (0.81)	13.44 (0.75)	11.17 (0.68)	11.93 (0.87)	36.21 (1.49)
GBR	698579	91.67	58206	3.05 (0.31)	13.73 (0.86)	25.41 (0.84)	25.51 (1.13)	25.91 (0.91)	6.38 (0.50)
USA	3147089	2.76	3060301	5.42 (0.39)	15.79 (0.53)	23.42 (0.73)	28.71 (0.75)	18.39 (0.59)	8.27 (0.49)
TOT	.	19.74	.	4.30 (0.15)	13.81 (0.20)	19.10 (0.28)	23.59 (0.27)	24.75 (0.30)	14.45 (0.23)
AVG	.	22.09	.	3.96 (0.07)	13.53 (0.13)	20.73 (0.14)	24.08 (0.15)	23.23 (0.17)	14.46 (0.14)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	6.25 (0.41)	20.45 (0.78)	22.44 (0.80)	26.18 (0.86)	12.94 (0.95)	11.75 (0.78)
LIE	338	0.30	337	2.16 (.)	12.70 (1.56)	19.08 (2.29)	25.59 (2.42)	22.88 (2.22)	17.58 (2.19)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	6.88 (0.48)	20.04 (0.80)	17.42 (0.76)	12.76 (0.46)	18.39 (0.80)	24.50 (1.23)
YUG	68596	2.03	67205	9.86 (0.57)	18.04 (0.67)	11.65 (0.58)	11.81 (0.59)	18.73 (0.77)	29.91 (1.06)
THA	637076	5.83	599963	3.41 (0.31)	9.04 (0.60)	11.37 (0.61)	16.93 (0.80)	28.90 (1.21)	30.35 (1.42)
TUN	150875	33.84	99822	3.98 (0.35)	19.05 (0.78)	15.40 (0.77)	15.28 (0.62)	12.07 (0.62)	34.22 (1.27)
URY	33775	3.82	32486	8.08 (0.54)	21.17 (0.74)	16.00 (0.69)	14.27 (0.54)	17.96 (0.64)	22.52 (0.95)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At other places

Performance on the combined reading literacy scale, by response category

ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing Mean (SE)	mean (SE)
AUS	235591	0.47	234483	482 (6.95)	505 (3.60)	530 (2.32)	542 (2.56)	531 (2.77)	460 (5.88)	
AUT	85931	1.17	84927	474 (10.35)	473 (5.42)	505 (3.97)	513 (4.79)	507 (4.66)	460 (5.72)	
BEL	111831	2.30	109260	428 (9.28)	488 (5.05)	522 (3.23)	540 (2.49)	525 (3.63)	427 (8.31)	
CAN	330436	10.12	296990	494 (4.28)	519 (2.22)	541 (1.94)	546 (2.11)	538 (3.98)	501 (4.73)	
CZE	121183	4.28	115997	457 (7.97)	484 (4.11)	505 (3.35)	512 (3.44)	503 (4.82)	455 (5.95)	
DNK	51741	0.70	51378	460 (7.35)	479 (4.30)	501 (4.10)	509 (3.86)	500 (4.42)	476 (4.83)	
FIN	57884	0.07	57845	501 (7.60)	524 (3.68)	547 (2.58)	560 (2.50)	552 (3.29)	493 (5.03)	
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
DEU	884358	5.76	833448	449 (10.91)	474 (6.62)	514 (4.69)	526 (4.22)	519 (3.76)	443 (5.95)	
GRC	105131	2.07	102960	446 (7.11)	482 (5.93)	491 (4.88)	489 (4.86)	472 (5.05)	443 (6.62)	
HUN	107044	0.17	106867	444 (7.56)	473 (3.66)	497 (2.91)	507 (4.32)	482 (4.54)	436 (5.70)	
ISL	3928	0.69	3901	442 (9.18)	467 (4.31)	497 (3.24)	507 (3.42)	505 (3.44)	407 (15.47)	
IRL	54850	1.31	54133	471 (14.69)	490 (5.80)	525 (3.74)	533 (3.27)	520 (3.24)	473 (5.59)	
ITA	481521	1.93	472234	430 (9.61)	469 (4.84)	491 (4.06)	504 (3.41)	485 (3.59)	445 (5.36)	
JPN	1240054	1.42	1222475	. (.)	497 (17.15)	511 (8.15)	522 (4.73)	503 (4.44)	464 (5.32)	
KOR	533504	0.12	532842	483 (9.14)	514 (4.56)	542 (3.12)	557 (3.43)	548 (5.30)	503 (3.85)	
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
MEX	1071650	12.34	939388	418 (6.52)	422 (4.73)	436 (5.68)	438 (5.34)	405 (5.10)	351 (6.01)	
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
NZL	48638	2.87	47241	459 (10.60)	494 (5.57)	531 (3.12)	545 (3.25)	531 (4.40)	476 (7.17)	
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
POL	534900	1.17	528615	453 (7.07)	490 (3.88)	516 (3.94)	527 (3.43)	472 (4.33)	453 (9.48)	
PRT	96857	0.82	96058	435 (9.57)	466 (5.26)	495 (3.96)	506 (4.04)	489 (4.80)	432 (5.89)	
SVK	77067	3.71	74208	442 (7.29)	471 (4.66)	493 (3.72)	504 (3.35)	487 (4.05)	424 (4.55)	
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
SWE	107104	0.44	106628	460 (7.47)	492 (5.03)	519 (3.65)	529 (3.40)	536 (3.99)	481 (7.38)	
CHE	86491	0.48	86079	502 (7.46)	472 (5.97)	511 (4.45)	514 (4.06)	506 (4.58)	474 (3.73)	
TUR	481279	13.78	414937	411 (7.85)	454 (7.69)	467 (8.58)	476 (9.69)	461 (10.24)	426 (5.04)	
GBR	698579	91.67	58206	474 (11.34)	497 (4.75)	514 (4.08)	537 (4.06)	524 (3.86)	473 (9.01)	
USA	3147089	2.76	3060301	460 (9.06)	486 (4.33)	512 (3.62)	523 (3.45)	496 (4.57)	428 (6.71)	
TOT	.	19.74	.	449 (3.78)	477 (1.96)	507 (1.63)	519 (1.66)	497 (1.92)	434 (2.47)	
AVG	.	22.09	.	454 (1.65)	482 (1.02)	511 (0.88)	523 (0.88)	504 (1.10)	447 (1.33)	
BRA	1952253	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
LVA	33643	0.81	33372	459 (7.25)	480 (4.91)	506 (4.54)	509 (4.51)	492 (6.20)	457 (6.04)	
LIE	338	0.30	337	. (.)	504 (14.77)	520 (12.21)	540 (8.89)	541 (10.61)	509 (11.94)	
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	
RUS	2153373	6.05	2023194	427 (8.46)	446 (5.13)	464 (4.92)	462 (4.47)	450 (5.51)	423 (5.25)	
YUG	68596	2.03	67205	393 (5.39)	418 (4.45)	435 (5.65)	441 (4.92)	423 (4.69)	390 (4.10)	
THA	637076	5.83	599963	417 (6.52)	433 (5.10)	443 (4.64)	455 (4.75)	414 (4.29)	402 (2.99)	
TUN	150875	33.84	99822	369 (10.07)	398 (6.20)	403 (6.67)	408 (5.89)	379 (7.09)	349 (4.71)	
URY	33775	3.82	32486	415 (6.80)	449 (5.22)	470 (5.79)	467 (5.72)	438 (6.48)	387 (6.40)	

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?
At other places

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	487 (6.30)	507 (3.34)	530 (2.45)	538 (2.64)	527 (2.82)	472 (6.69)
AUT	85931	1.17	84927	503 (9.20)	498 (4.90)	520 (3.75)	524 (4.11)	514 (4.30)	476 (5.33)
BEL	111831	2.30	109260	451 (8.30)	510 (4.05)	544 (3.31)	563 (2.63)	543 (3.52)	457 (6.87)
CAN	330436	10.12	296990	502 (4.29)	526 (2.24)	544 (1.99)	548 (2.55)	546 (3.54)	503 (4.60)
CZE	121183	4.28	115997	488 (7.37)	518 (4.25)	535 (4.02)	537 (3.76)	527 (4.55)	475 (5.14)
DNK	51741	0.70	51378	484 (8.17)	502 (4.03)	526 (3.82)	533 (3.81)	525 (4.17)	489 (4.85)
FIN	57884	0.07	57845	512 (6.71)	529 (3.46)	550 (2.64)	558 (2.56)	549 (3.53)	496 (5.20)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	473 (9.07)	493 (6.62)	523 (4.64)	530 (3.98)	526 (3.59)	462 (5.68)
GRC	105131	2.07	102960	428 (5.22)	459 (5.27)	468 (4.44)	464 (5.16)	441 (4.96)	414 (5.19)
HUN	107044	0.17	106867	456 (7.01)	487 (3.41)	508 (3.03)	514 (4.51)	487 (4.80)	435 (5.47)
ISL	3928	0.69	3901	479 (8.88)	497 (3.86)	520 (3.10)	526 (2.83)	522 (3.51)	456 (13.30)
IRL	54850	1.31	54133	458 (14.88)	472 (6.08)	509 (3.70)	517 (3.38)	512 (2.67)	462 (4.65)
ITA	481521	1.93	472234	444 (9.64)	466 (4.15)	489 (3.76)	494 (3.71)	468 (4.18)	431 (4.20)
JPN	1240054	1.42	1222475	. (.)	520 (18.92)	540 (7.43)	556 (5.18)	538 (4.46)	506 (5.21)
KOR	533504	0.12	532842	487 (7.58)	520 (5.03)	556 (3.73)	562 (3.73)	550 (5.47)	515 (3.89)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	397 (6.47)	406 (3.76)	418 (4.71)	414 (5.42)	392 (5.03)	342 (5.20)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47241	470 (9.43)	494 (4.54)	535 (2.74)	543 (2.85)	532 (3.85)	480 (6.76)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	454 (7.01)	484 (3.18)	513 (3.55)	516 (3.14)	463 (3.87)	464 (6.99)
PRT	96857	0.82	96058	438 (8.50)	461 (4.49)	485 (3.71)	489 (3.36)	473 (4.17)	421 (5.60)
SVK	77067	3.71	74208	485 (6.70)	509 (4.64)	526 (4.02)	529 (3.50)	506 (4.14)	452 (4.71)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	464 (7.45)	489 (5.10)	513 (3.92)	522 (3.10)	529 (4.37)	478 (6.24)
CHE	86491	0.48	86079	535 (8.61)	506 (6.00)	543 (5.08)	541 (4.57)	529 (4.08)	502 (4.26)
TUR	481279	13.78	414937	402 (8.77)	448 (8.93)	459 (9.13)	462 (10.72)	438 (11.51)	404 (5.45)
GBR	698579	91.67	58206	496 (10.40)	504 (4.36)	524 (3.68)	542 (3.50)	529 (3.36)	491 (8.89)
USA	3147089	2.76	3060301	451 (8.51)	477 (3.95)	497 (3.19)	506 (3.33)	484 (4.62)	422 (5.27)
TOT	.	19.74	.	446 (3.62)	473 (1.77)	504 (1.41)	515 (1.67)	502 (1.83)	439 (2.22)
AVG	.	22.09	.	463 (1.71)	488 (0.91)	518 (0.81)	526 (0.86)	508 (1.13)	453 (1.31)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	462 (7.67)	484 (5.12)	504 (4.28)	500 (4.70)	470 (5.54)	438 (5.19)
LIE	338	0.30	337	. (.)	504 (16.08)	537 (12.43)	546 (9.01)	542 (11.54)	533 (14.56)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	462 (7.30)	478 (6.55)	491 (4.74)	484 (5.50)	471 (5.32)	449 (5.25)
YUG	68596	2.03	67205	430 (5.77)	454 (4.91)	465 (5.06)	460 (5.49)	436 (4.53)	412 (4.38)
THA	637076	5.83	599963	429 (8.41)	437 (4.88)	444 (5.09)	452 (4.61)	412 (4.08)	395 (3.45)
TUN	150875	33.84	99822	364 (7.80)	384 (5.77)	389 (6.26)	395 (5.82)	360 (5.73)	339 (3.42)
URY	33775	3.82	32486	405 (5.84)	436 (4.12)	459 (5.06)	447 (4.75)	426 (4.68)	381 (5.08)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?

At other places

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	490 (9.16)	506 (3.52)	531 (2.51)	538 (2.54)	529 (2.99)	471 (5.49)
AUT	85931	1.17	84927	483 (11.64)	476 (4.88)	504 (4.00)	509 (4.51)	501 (4.57)	465 (5.43)
BEL	111831	2.30	109260	428 (7.94)	488 (4.96)	521 (3.41)	540 (2.72)	525 (3.71)	437 (7.13)
CAN	330436	10.12	296990	479 (4.53)	509 (2.46)	531 (2.30)	538 (2.78)	537 (4.08)	493 (5.66)
CZE	121183	4.28	115997	491 (8.87)	521 (4.69)	539 (3.92)	544 (3.93)	535 (4.74)	482 (5.81)
DNK	51741	0.70	51378	441 (9.31)	461 (4.64)	487 (5.28)	494 (4.09)	490 (4.29)	446 (5.00)
FIN	57884	0.07	57845	513 (8.85)	534 (4.38)	554 (2.78)	563 (2.58)	551 (3.96)	497 (6.22)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	472 (12.54)	488 (7.05)	524 (5.00)	534 (4.60)	528 (3.99)	456 (6.55)
GRC	105131	2.07	102960	468 (7.47)	491 (5.97)	505 (5.03)	499 (4.70)	477 (4.59)	450 (5.96)
HUN	107044	0.17	106867	472 (7.90)	496 (3.78)	520 (3.04)	526 (4.54)	499 (5.07)	461 (6.19)
ISL	3928	0.69	3901	451 (8.83)	473 (4.21)	498 (3.12)	508 (3.19)	507 (4.49)	424 (12.46)
IRL	54850	1.31	54133	457 (16.11)	476 (6.57)	511 (4.37)	521 (3.20)	512 (3.34)	466 (5.29)
ITA	481521	1.93	472234	458 (9.60)	495 (4.94)	511 (3.89)	517 (4.28)	489 (3.89)	447 (5.22)
JPN	1240054	1.42	1222475	. (.)	532 (21.39)	558 (8.79)	567 (5.78)	551 (4.63)	522 (5.20)
KOR	533504	0.12	532842	488 (10.04)	519 (5.68)	552 (4.05)	559 (3.99)	541 (6.03)	510 (4.57)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (6.24)	419 (3.29)	435 (4.72)	432 (5.60)	410 (5.29)	371 (4.72)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47241	460 (10.22)	487 (4.88)	532 (3.36)	541 (2.91)	535 (4.21)	475 (7.27)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	457 (7.91)	489 (4.14)	520 (4.76)	529 (3.45)	470 (4.40)	454 (8.65)
PRT	96857	0.82	96058	439 (10.30)	461 (5.15)	485 (3.70)	491 (3.83)	479 (4.52)	422 (5.13)
SVK	77067	3.71	74208	476 (7.96)	505 (5.36)	524 (4.01)	529 (3.85)	505 (4.78)	450 (5.69)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	452 (8.51)	481 (5.67)	509 (4.23)	520 (3.56)	531 (4.41)	475 (7.57)
CHE	86491	0.48	86079	522 (9.56)	492 (6.44)	531 (5.43)	530 (4.87)	516 (4.88)	485 (4.49)
TUR	481279	13.78	414937	406 (6.94)	451 (7.17)	465 (8.48)	474 (10.23)	456 (10.44)	416 (4.90)
GBR	698579	91.67	58206	484 (14.17)	496 (6.48)	511 (4.61)	535 (4.69)	519 (3.90)	477 (10.91)
USA	3147089	2.76	3060301	456 (8.66)	481 (4.21)	505 (3.50)	516 (3.58)	493 (4.72)	436 (6.38)
TOT	.	19.74	.	451 (3.82)	477 (1.83)	509 (1.60)	523 (1.83)	511 (1.90)	450 (2.24)
AVG	.	22.09	.	460 (1.73)	486 (0.97)	516 (0.82)	526 (0.93)	510 (1.07)	455 (1.32)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	464 (8.76)	486 (5.24)	508 (4.19)	505 (4.89)	481 (6.22)	451 (5.20)
LIE	338	0.30	337	. (.)	503 (16.16)	524 (14.97)	535 (9.81)	534 (12.10)	516 (13.72)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	484 (8.03)	497 (5.82)	512 (5.49)	508 (5.09)	493 (5.36)	468 (5.38)
YUG	68596	2.03	67205	428 (5.73)	450 (4.57)	460 (5.14)	457 (5.67)	435 (4.85)	417 (3.96)
THA	637076	5.83	599963	437 (8.20)	446 (5.25)	451 (5.34)	463 (4.48)	423 (4.09)	410 (2.96)
TUN	150875	33.84	99822	382 (6.71)	407 (5.89)	413 (6.23)	416 (5.73)	385 (6.01)	362 (3.97)
URY	33775	3.82	32486	430 (6.68)	452 (4.68)	471 (5.44)	464 (5.96)	441 (5.41)	397 (5.34)

ICT Questionnaire – Question 4

Q4 How often do you use a computer at these places?

At other places

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	494 (6.90)	513 (2.97)	535 (2.27)	542 (2.45)	533 (2.87)	478 (6.43)
AUT	85931	1.17	84927	504 (8.98)	499 (4.78)	519 (3.69)	523 (4.20)	513 (4.37)	481 (5.22)
BEL	111831	2.30	109260	449 (8.70)	505 (4.05)	538 (3.31)	556 (2.50)	539 (3.16)	459 (6.74)
CAN	330436	10.12	296990	496 (4.42)	522 (2.13)	543 (1.96)	548 (2.28)	545 (3.37)	495 (4.60)
CZE	121183	4.28	115997	495 (7.14)	516 (4.19)	536 (3.89)	537 (3.65)	526 (4.84)	473 (4.95)
DNK	51741	0.70	51378	484 (7.72)	501 (3.81)	527 (4.07)	536 (3.51)	531 (3.99)	491 (4.77)
FIN	57884	0.07	57845	518 (6.48)	534 (4.02)	554 (2.54)	561 (2.79)	549 (3.24)	502 (4.97)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	476 (8.71)	500 (6.08)	532 (4.48)	540 (4.12)	533 (3.52)	469 (5.50)
GRC	105131	2.07	102960	424 (6.97)	463 (5.80)	470 (4.74)	467 (5.50)	448 (5.04)	417 (5.58)
HUN	107044	0.17	106867	463 (8.13)	495 (3.51)	519 (3.11)	527 (5.37)	499 (4.86)	447 (5.51)
ISL	3928	0.69	3901	471 (8.05)	484 (3.66)	508 (2.57)	518 (3.16)	513 (3.10)	436 (12.27)
IRL	54850	1.31	54133	471 (14.30)	478 (5.90)	509 (3.37)	513 (3.03)	502 (2.57)	460 (4.93)
ITA	481521	1.93	472234	440 (8.86)	471 (4.76)	494 (4.65)	502 (3.78)	475 (4.07)	429 (4.77)
JPN	1240054	1.42	1222475	. (.)	520 (20.73)	551 (9.19)	567 (5.15)	554 (4.55)	516 (5.18)
KOR	533504	0.12	532842	503 (7.68)	530 (4.81)	564 (3.62)	569 (3.42)	554 (5.29)	525 (3.75)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	396 (6.92)	403 (4.96)	417 (5.64)	420 (5.60)	394 (6.38)	341 (5.31)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	2.87	47241	477 (9.37)	506 (4.56)	543 (2.72)	553 (2.77)	542 (3.89)	491 (6.55)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	454 (6.85)	481 (3.58)	508 (3.85)	513 (3.52)	459 (3.97)	456 (7.70)
PRT	96857	0.82	96058	437 (9.46)	464 (5.14)	491 (3.79)	495 (3.72)	478 (4.65)	422 (6.55)
SVK	77067	3.71	74208	483 (8.11)	503 (4.73)	522 (3.97)	523 (3.61)	501 (3.94)	443 (4.47)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	459 (6.63)	488 (4.59)	513 (3.39)	523 (2.76)	528 (4.02)	477 (6.31)
CHE	86491	0.48	86079	523 (8.65)	503 (5.88)	534 (4.96)	535 (4.02)	527 (4.03)	495 (4.07)
TUR	481279	13.78	414937	392 (7.79)	428 (8.67)	436 (8.41)	438 (9.75)	417 (10.15)	393 (5.41)
GBR	698579	91.67	58206	502 (9.95)	510 (4.49)	528 (3.58)	543 (4.33)	528 (3.43)	486 (8.41)
USA	3147089	2.76	3060301	445 (8.53)	471 (4.00)	493 (3.47)	503 (3.38)	479 (4.74)	407 (5.62)
TOT	.	19.74	.	443 (3.57)	471 (1.90)	503 (1.66)	516 (1.67)	506 (1.93)	438 (2.32)
AVG	.	22.09	.	462 (1.73)	488 (0.96)	518 (0.83)	527 (0.85)	510 (1.11)	452 (1.40)
BRA	1952253	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	461 (8.02)	479 (5.49)	503 (4.32)	500 (4.90)	476 (7.22)	435 (5.79)
LIE	338	0.30	337	. (.)	499 (15.09)	528 (12.56)	542 (11.41)	543 (10.48)	519 (13.62)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	468 (9.37)	491 (6.96)	505 (4.97)	495 (5.89)	482 (5.01)	457 (5.71)
YUG	68596	2.03	67205	414 (5.47)	436 (4.81)	448 (4.59)	447 (5.01)	425 (4.67)	391 (4.08)
THA	637076	5.83	599963	442 (7.82)	447 (5.38)	451 (4.74)	456 (4.99)	418 (3.71)	405 (3.35)
TUN	150875	33.84	99822	351 (9.83)	368 (5.00)	371 (5.12)	371 (5.24)	344 (5.05)	328 (3.19)
URY	33775	3.82	32486	395 (7.32)	425 (4.79)	452 (6.35)	437 (6.26)	416 (5.49)	363 (6.29)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to look up information about people, things, or ideas?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	24.90 (0.58)	47.28 (0.62)	18.71 (0.43)	4.96 (0.30)	2.26 (0.27)	1.89 (0.20)
AUT	85931	1.17	84927	27.89 (1.01)	33.74 (0.76)	23.31 (0.72)	8.18 (0.56)	5.81 (0.45)	1.08 (0.19)
BEL	111831	2.30	109260	23.62 (0.66)	33.64 (0.63)	21.74 (0.61)	8.66 (0.37)	7.80 (0.45)	4.53 (0.50)
CAN	330436	10.12	296990	34.72 (0.62)	38.57 (0.54)	17.37 (0.39)	5.50 (0.23)	1.57 (0.13)	2.27 (0.16)
CZE	121183	4.27	116013	14.81 (0.69)	36.63 (0.88)	29.47 (0.69)	8.51 (0.48)	5.39 (0.54)	5.19 (0.46)
DNK	51741	0.70	51378	23.98 (0.78)	41.85 (0.85)	21.43 (0.67)	7.09 (0.42)	2.84 (0.24)	2.81 (0.33)
FIN	57884	0.07	57845	12.66 (0.51)	26.33 (0.61)	37.00 (0.66)	18.01 (0.56)	3.71 (0.28)	2.30 (0.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	22.82 (0.66)	27.86 (0.80)	24.85 (0.72)	11.47 (0.55)	9.34 (0.52)	3.66 (0.40)
GRC	105131	2.07	102960	12.55 (0.73)	31.09 (0.92)	20.11 (0.86)	17.07 (0.68)	16.38 (0.78)	2.79 (0.32)
HUN	107044	0.17	106867	7.76 (0.41)	32.59 (1.01)	23.25 (0.73)	15.00 (0.61)	18.04 (0.79)	3.36 (0.37)
ISL	3928	0.69	3901	34.33 (0.81)	37.55 (0.72)	20.03 (0.64)	5.23 (0.39)	1.81 (0.23)	1.05 (0.17)
IRL	54850	1.31	54133	7.73 (0.53)	29.12 (0.90)	28.78 (0.75)	15.46 (0.73)	15.27 (0.73)	3.65 (0.37)
ITA	481521	1.93	472204	16.38 (0.63)	35.32 (0.75)	15.67 (0.56)	10.31 (0.50)	17.62 (0.75)	4.70 (0.40)
JPN	1240054	1.42	1222475	7.38 (0.50)	14.86 (0.47)	21.24 (0.67)	26.99 (0.67)	16.68 (0.77)	12.85 (0.71)
KOR	533504	0.29	531933	15.76 (0.57)	41.55 (0.81)	25.84 (0.66)	10.03 (0.41)	4.09 (0.32)	2.73 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	12.35 (0.71)	30.62 (0.96)	14.19 (0.52)	10.68 (0.47)	18.69 (1.14)	13.47 (1.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.15	47105	21.99 (0.62)	42.77 (0.81)	23.65 (0.71)	8.24 (0.44)	2.89 (0.32)	0.47 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	15.80 (0.73)	26.49 (1.02)	24.29 (0.88)	17.15 (0.71)	12.16 (0.82)	4.10 (0.36)
PRT	96857	0.82	96058	14.99 (0.79)	41.08 (0.89)	20.61 (0.85)	11.95 (0.59)	7.90 (0.46)	3.46 (0.32)
SVK	77067	3.71	74208	6.88 (0.45)	24.36 (1.02)	25.10 (1.07)	12.64 (0.56)	18.16 (0.87)	12.87 (0.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	22.65 (0.76)	38.20 (0.95)	27.90 (0.84)	6.86 (0.47)	1.83 (0.23)	2.55 (0.23)
CHE	86491	0.48	86079	22.34 (0.66)	33.29 (0.80)	25.31 (0.80)	9.75 (0.44)	7.02 (0.72)	2.29 (0.25)
TUR	481279	13.78	414937	10.85 (0.77)	18.96 (1.00)	14.45 (0.71)	10.58 (0.49)	24.14 (0.97)	21.01 (1.26)
GBR	698579	91.67	58206	24.97 (0.97)	39.78 (0.82)	23.61 (0.85)	7.38 (0.58)	3.72 (0.41)	0.53 (.)
USA	3147089	2.76	3060301	37.30 (0.88)	35.05 (0.70)	17.48 (0.65)	5.79 (0.33)	2.15 (0.25)	2.24 (0.22)
TOT	.	19.75	.	22.60 (0.32)	31.01 (0.28)	19.78 (0.26)	11.30 (0.17)	9.32 (0.20)	5.99 (0.18)
AVG	.	22.10	.	18.89 (0.14)	33.39 (0.17)	22.68 (0.15)	11.10 (0.09)	9.19 (0.12)	4.75 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	8.46 (0.55)	26.43 (0.95)	22.18 (0.94)	18.67 (0.81)	18.33 (1.44)	5.92 (0.56)
LIE	338	0.30	337	29.86 (2.28)	35.42 (2.84)	22.03 (2.14)	8.14 (.)	3.02 (.)	1.54 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	4.59 (0.48)	11.60 (0.77)	9.78 (0.60)	10.94 (0.70)	50.70 (1.50)	12.39 (1.01)
YUG	68596	1.90	67294	9.18 (0.48)	14.77 (0.62)	8.75 (0.61)	10.15 (0.53)	42.60 (1.22)	14.54 (1.02)
THA	637076	5.83	599963	5.39 (0.44)	24.51 (1.08)	17.20 (0.61)	14.27 (0.77)	37.39 (1.70)	1.25 (0.23)
TUN	150875	33.84	99822	9.86 (0.69)	19.49 (0.83)	12.87 (0.75)	13.45 (0.64)	20.91 (1.14)	23.41 (1.31)
URY	33775	3.82	32486	13.40 (0.60)	26.54 (0.76)	13.37 (0.59)	11.40 (0.55)	23.54 (0.86)	11.76 (0.86)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to look up information about people, things, or ideas?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean	(SE)	A few times each week Mean	(SE)	Between 1 pwk & 1 pmn Mean	(SE)	Less than 1 pmn Mean	(SE)	Never Mean	(SE)	Missing mean	(SE)
AUS	235591	0.47	234483	528	(2.77)	534	(2.18)	533	(3.10)	503	(4.51)	454	(8.71)	402	(9.35)
AUT	85931	1.17	84927	504	(4.75)	505	(4.21)	495	(4.11)	469	(6.29)	426	(6.46)	374	(16.07)
BEL	111831	2.30	109260	524	(3.33)	526	(3.33)	530	(3.13)	504	(5.41)	445	(6.70)	369	(13.43)
CAN	330436	10.12	296990	536	(2.10)	536	(1.97)	534	(2.32)	509	(4.52)	461	(7.03)	484	(8.36)
CZE	121183	4.27	116013	501	(4.54)	511	(3.53)	501	(3.45)	484	(5.16)	441	(7.07)	426	(9.97)
DNK	51741	0.70	51378	491	(3.95)	500	(2.94)	501	(3.82)	488	(6.43)	447	(8.99)	399	(13.01)
FIN	57884	0.07	57845	544	(4.07)	546	(2.85)	555	(2.16)	538	(3.02)	478	(6.95)	491	(10.09)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	508	(5.18)	507	(4.25)	522	(3.97)	496	(5.96)	458	(5.36)	400	(12.16)
GRC	105131	2.07	102960	463	(7.36)	475	(4.73)	496	(5.16)	484	(6.18)	448	(5.81)	410	(14.27)
HUN	107044	0.17	106867	480	(6.53)	488	(3.28)	505	(3.72)	495	(4.33)	448	(4.52)	399	(11.79)
ISL	3928	0.69	3901	484	(2.91)	501	(2.48)	508	(4.11)	482	(6.46)	424	(13.81)	330	(20.39)
IRL	54850	1.31	54133	516	(7.01)	525	(3.28)	532	(3.91)	513	(4.10)	486	(4.13)	438	(8.36)
ITA	481521	1.93	472204	473	(5.10)	491	(3.44)	506	(3.65)	481	(5.03)	447	(5.93)	406	(8.60)
JPN	1240054	1.42	1222475	534	(6.13)	518	(5.41)	524	(4.79)	501	(4.50)	459	(6.61)	465	(6.59)
KOR	533504	0.29	531933	530	(4.48)	545	(3.10)	541	(3.30)	520	(4.71)	482	(7.68)	465	(9.96)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	436	(6.54)	427	(3.89)	437	(4.42)	423	(5.48)	386	(4.49)	325	(7.02)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.15	47105	526	(4.04)	526	(2.67)	539	(3.31)	508	(5.54)	463	(10.23)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	502	(5.09)	498	(3.98)	517	(3.89)	504	(4.56)	466	(4.81)	444	(8.18)
PRT	96857	0.82	96058	483	(6.35)	480	(4.77)	495	(4.25)	482	(5.28)	436	(6.25)	420	(9.33)
SVK	77067	3.71	74208	484	(6.50)	495	(3.83)	500	(3.55)	481	(4.96)	442	(4.65)	405	(5.73)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	504	(4.18)	521	(3.09)	531	(4.06)	506	(6.51)	454	(11.24)	420	(19.41)
CHE	86491	0.48	86079	505	(4.60)	508	(3.53)	512	(3.69)	486	(5.10)	441	(6.97)	423	(10.61)
TUR	481279	13.78	414937	424	(12.33)	456	(9.74)	475	(9.22)	465	(7.93)	440	(5.22)	421	(5.62)
GBR	698579	91.67	58206	515	(4.31)	522	(3.59)	520	(3.03)	510	(7.33)	470	(9.60)	.	(.)
USA	3147089	2.76	3060301	505	(3.71)	501	(3.85)	503	(3.92)	480	(6.33)	424	(12.04)	414	(10.88)
TOT	.	19.75	.	503	(2.12)	500	(1.76)	510	(1.58)	488	(2.12)	439	(2.38)	411	(4.22)
AVG	.	22.10	.	503	(1.03)	507	(0.93)	516	(0.82)	494	(1.18)	447	(1.53)	413	(2.77)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	486	(7.72)	491	(4.57)	512	(5.34)	501	(4.57)	470	(4.87)	452	(6.91)
LIE	338	0.30	337	531	(8.11)	525	(7.00)	531	(11.33)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	448	(8.13)	453	(5.78)	472	(6.43)	476	(5.91)	440	(4.57)	408	(6.38)
YUG	68596	1.90	67294	409	(5.75)	431	(5.13)	440	(6.82)	433	(5.05)	413	(3.37)	367	(5.73)
THA	637076	5.83	599963	456	(7.20)	435	(4.55)	435	(5.07)	427	(3.78)	403	(3.13)	379	(12.03)
TUN	150875	33.84	99822	348	(6.67)	393	(5.87)	408	(8.27)	412	(5.72)	385	(6.09)	344	(6.26)
URY	33775	3.82	32486	448	(7.74)	467	(4.68)	466	(6.85)	450	(5.90)	414	(5.45)	353	(7.64)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to look up information about people, things, or ideas?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean	(SE)	A few times each week Mean	(SE)	Between 1 pwk & 1 pmn Mean	(SE)	Less than 1 pmn Mean	(SE)	Never Mean	(SE)	Missing mean	(SE)
AUS	235591	0.47	234483	530	(2.86)	530	(2.49)	529	(3.11)	496	(4.91)	458	(6.11)	427	(9.16)
AUT	85931	1.17	84927	517	(4.32)	515	(3.80)	510	(3.65)	487	(5.96)	451	(6.60)	398	(18.51)
BEL	111831	2.30	109260	549	(3.29)	546	(3.19)	550	(2.83)	524	(4.44)	467	(5.74)	407	(10.72)
CAN	330436	10.12	296990	542	(2.04)	539	(2.06)	538	(2.50)	514	(4.16)	478	(8.34)	491	(7.37)
CZE	121183	4.27	116013	532	(4.93)	539	(4.27)	528	(3.79)	503	(4.96)	464	(6.56)	442	(8.00)
DNK	51741	0.70	51378	518	(3.82)	520	(2.97)	520	(3.76)	503	(5.77)	475	(9.32)	435	(11.89)
FIN	57884	0.07	57845	558	(3.92)	547	(2.98)	550	(2.36)	538	(2.81)	483	(6.20)	499	(8.03)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	523	(4.73)	517	(4.08)	527	(4.09)	499	(5.97)	468	(4.52)	436	(10.85)
GRC	105131	2.07	102960	449	(6.07)	449	(4.57)	470	(5.03)	450	(4.69)	417	(5.24)	379	(10.50)
HUN	107044	0.17	106867	492	(7.28)	493	(3.63)	515	(3.84)	506	(3.43)	456	(4.84)	402	(9.91)
ISL	3928	0.69	3901	513	(2.72)	521	(2.57)	525	(3.98)	501	(7.62)	449	(10.31)	400	(19.73)
IRL	54850	1.31	54133	508	(5.93)	512	(3.19)	517	(3.52)	500	(3.76)	475	(3.78)	437	(7.25)
ITA	481521	1.93	472204	475	(4.52)	478	(3.20)	493	(3.71)	468	(6.30)	432	(5.20)	403	(6.21)
JPN	1240054	1.42	1222475	556	(6.81)	547	(5.37)	557	(5.57)	536	(4.72)	501	(6.17)	512	(6.15)
KOR	533504	0.29	531933	534	(5.04)	553	(3.55)	551	(3.76)	528	(5.01)	491	(8.19)	482	(9.48)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	419	(6.01)	409	(3.46)	417	(4.10)	402	(5.63)	372	(3.95)	321	(6.34)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.15	47105	526	(3.50)	527	(2.61)	540	(3.39)	510	(4.54)	479	(8.81)	.	(.)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	502	(4.52)	494	(3.34)	509	(3.90)	490	(4.20)	457	(4.20)	445	(6.94)
PRT	96857	0.82	96058	473	(5.90)	468	(4.28)	484	(4.00)	464	(4.77)	428	(5.26)	408	(7.89)
SVK	77067	3.71	74208	522	(6.53)	524	(3.81)	530	(3.39)	509	(4.62)	469	(3.79)	433	(6.44)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	500	(3.61)	515	(3.06)	522	(4.16)	501	(5.85)	454	(11.06)	435	(17.20)
CHE	86491	0.48	86079	538	(4.74)	534	(4.01)	538	(3.57)	508	(4.72)	465	(6.79)	455	(9.63)
TUR	481279	13.78	414937	412	(13.80)	450	(11.48)	468	(10.73)	442	(7.58)	423	(6.09)	396	(6.31)
GBR	698579	91.67	58206	526	(4.24)	528	(3.22)	529	(3.08)	511	(6.27)	477	(9.84)	.	(.)
USA	3147089	2.76	3060301	492	(3.71)	489	(3.36)	488	(3.73)	466	(5.41)	428	(10.17)	394	(7.97)
TOT	.	19.75	.	499	(2.07)	497	(1.49)	509	(1.63)	493	(2.09)	444	(2.39)	421	(4.31)
AVG	.	22.10	.	512	(1.03)	511	(0.86)	520	(0.88)	497	(1.24)	449	(1.56)	422	(2.66)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	482	(7.70)	490	(5.02)	506	(4.85)	491	(4.96)	455	(4.20)	443	(5.77)
LIE	338	0.30	337	543	(8.56)	534	(8.87)	542	(10.99)	.	(.)	.	(.)	.	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	486	(8.40)	482	(5.73)	498	(6.45)	501	(7.24)	465	(4.70)	436	(5.44)
YUG	68596	1.90	67294	439	(6.72)	456	(4.65)	469	(6.25)	461	(5.85)	436	(3.51)	391	(5.60)
THA	637076	5.83	599963	457	(8.52)	435	(4.29)	436	(4.71)	424	(3.66)	397	(3.76)	371	(12.24)
TUN	150875	33.84	99822	344	(6.85)	375	(5.72)	395	(7.98)	398	(6.28)	371	(4.91)	334	(4.33)
URY	33775	3.82	32486	434	(6.53)	452	(4.38)	453	(5.62)	436	(4.85)	401	(4.40)	354	(5.19)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to look up information about people, things, or ideas?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (3.21)	532 (2.41)	530 (3.13)	497 (5.14)	453 (7.92)	427 (10.25)
AUT	85931	1.17	84927	503 (4.57)	501 (4.06)	494 (3.86)	474 (6.76)	434 (6.28)	390 (18.87)
BEL	111831	2.30	109260	526 (3.52)	525 (3.22)	529 (2.95)	503 (4.56)	449 (6.10)	388 (11.96)
CAN	330436	10.12	296990	529 (2.39)	526 (2.35)	524 (2.80)	497 (4.92)	458 (7.86)	479 (8.79)
CZE	121183	4.27	116013	535 (4.99)	544 (3.97)	533 (3.88)	515 (5.58)	473 (7.40)	452 (8.19)
DNK	51741	0.70	51378	481 (4.76)	483 (3.17)	479 (4.01)	460 (7.01)	432 (9.94)	373 (12.65)
FIN	57884	0.07	57845	564 (4.02)	551 (3.16)	556 (2.63)	539 (3.89)	478 (7.47)	494 (10.97)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (5.30)	519 (4.43)	526 (4.17)	501 (6.50)	466 (5.64)	421 (10.96)
GRC	105131	2.07	102960	481 (6.44)	485 (4.68)	502 (5.45)	486 (5.34)	458 (5.67)	426 (11.92)
HUN	107044	0.17	106867	500 (7.52)	507 (3.58)	526 (4.08)	519 (3.85)	473 (4.77)	415 (11.48)
ISL	3928	0.69	3901	493 (3.34)	501 (2.87)	503 (4.09)	478 (6.99)	433 (12.25)	393 (18.94)
IRL	54850	1.31	54133	515 (7.16)	516 (3.31)	520 (3.86)	500 (4.22)	474 (4.42)	436 (8.01)
ITA	481521	1.93	472204	496 (4.88)	503 (3.47)	514 (4.19)	488 (6.59)	451 (5.93)	409 (7.73)
JPN	1240054	1.42	1222475	578 (6.96)	562 (5.90)	571 (5.85)	549 (4.84)	509 (6.68)	529 (6.60)
KOR	533504	0.29	531933	535 (5.35)	551 (3.85)	545 (3.77)	523 (5.79)	478 (9.35)	470 (10.16)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	434 (5.62)	425 (3.66)	434 (4.54)	421 (5.35)	393 (3.45)	351 (5.21)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.15	47105	524 (3.92)	523 (2.81)	539 (3.30)	510 (5.54)	473 (11.50)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (5.58)	501 (4.33)	515 (4.37)	501 (4.61)	462 (4.82)	453 (6.98)
PRT	96857	0.82	96058	474 (6.79)	472 (4.41)	485 (4.27)	466 (5.00)	425 (6.12)	408 (7.95)
SVK	77067	3.71	74208	518 (6.99)	523 (4.08)	528 (3.88)	509 (4.66)	466 (4.65)	425 (6.80)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	496 (4.12)	513 (3.85)	520 (4.81)	497 (6.73)	450 (13.22)	422 (19.15)
CHE	86491	0.48	86079	523 (5.00)	523 (4.06)	525 (4.63)	495 (5.00)	447 (6.99)	429 (10.45)
TUR	481279	13.78	414937	424 (11.91)	454 (10.14)	470 (9.94)	454 (7.47)	430 (5.51)	415 (5.52)
GBR	698579	91.67	58206	517 (4.67)	518 (3.88)	517 (3.81)	501 (7.55)	457 (10.41)	. (.)
USA	3147089	2.76	3060301	502 (3.82)	496 (3.57)	497 (3.87)	476 (5.61)	435 (10.58)	399 (10.76)
TOT	.	19.75	.	506 (2.16)	503 (1.62)	515 (1.70)	502 (2.09)	453 (2.35)	434 (3.94)
AVG	.	22.10	.	509 (1.05)	510 (0.88)	519 (0.93)	500 (1.22)	455 (1.54)	428 (2.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	488 (8.96)	494 (4.51)	513 (5.41)	495 (4.81)	465 (5.37)	444 (6.19)
LIE	338	0.30	337	536 (9.15)	520 (8.46)	532 (13.31)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	501 (8.11)	502 (6.93)	520 (6.34)	518 (6.81)	487 (4.77)	455 (6.74)
YUG	68596	1.90	67294	432 (6.16)	455 (5.64)	471 (6.21)	459 (5.64)	434 (2.95)	397 (5.50)
THA	637076	5.83	599963	472 (7.97)	448 (4.29)	444 (4.88)	436 (3.84)	409 (2.99)	394 (10.82)
TUN	150875	33.84	99822	366 (5.99)	399 (5.80)	417 (8.13)	422 (6.21)	399 (5.70)	354 (5.18)
URY	33775	3.82	32486	446 (6.97)	466 (5.06)	467 (6.55)	456 (5.09)	420 (4.35)	373 (6.22)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to look up information about people, things, or ideas?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (2.42)	536 (2.34)	535 (3.13)	505 (4.38)	467 (6.42)	436 (9.44)
AUT	85931	1.17	84927	514 (4.13)	517 (3.70)	511 (3.82)	491 (6.02)	455 (6.30)	399 (15.37)
BEL	111831	2.30	109260	543 (3.08)	541 (2.98)	545 (2.67)	520 (4.90)	465 (5.16)	409 (10.59)
CAN	330436	10.12	296990	540 (2.16)	537 (2.04)	534 (2.32)	510 (4.43)	470 (7.18)	483 (7.70)
CZE	121183	4.27	116013	532 (4.78)	539 (3.92)	527 (3.68)	503 (4.77)	467 (6.22)	443 (8.07)
DNK	51741	0.70	51378	520 (3.56)	522 (2.72)	524 (3.52)	509 (6.11)	476 (8.79)	438 (12.86)
FIN	57884	0.07	57845	560 (3.74)	550 (3.08)	555 (2.52)	540 (2.92)	482 (6.54)	493 (8.93)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (5.11)	524 (3.97)	536 (3.76)	511 (5.43)	478 (4.55)	436 (10.82)
GRC	105131	2.07	102960	447 (6.89)	452 (4.66)	473 (5.62)	456 (5.08)	424 (5.24)	384 (10.65)
HUN	107044	0.17	106867	498 (6.65)	504 (3.73)	527 (4.00)	518 (4.12)	467 (4.82)	409 (10.09)
ISL	3928	0.69	3901	503 (2.69)	511 (2.44)	515 (3.67)	489 (6.54)	438 (11.32)	384 (18.31)
IRL	54850	1.31	54133	505 (6.34)	509 (3.01)	512 (3.53)	494 (3.64)	470 (3.53)	428 (7.35)
ITA	481521	1.93	472204	476 (4.79)	483 (3.38)	500 (3.45)	472 (6.19)	436 (6.33)	402 (8.42)
JPN	1240054	1.42	1222475	578 (6.81)	563 (5.99)	570 (5.37)	548 (4.68)	513 (6.21)	521 (6.31)
KOR	533504	0.29	531933	543 (4.73)	560 (3.32)	558 (3.34)	538 (5.05)	504 (7.87)	500 (8.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	426 (6.54)	410 (4.23)	418 (4.57)	403 (6.44)	367 (5.92)	317 (6.12)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.15	47105	537 (3.36)	536 (2.48)	548 (3.28)	517 (4.61)	486 (8.85)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	496 (4.84)	490 (3.62)	505 (3.52)	487 (4.53)	452 (4.59)	446 (6.96)
PRT	96857	0.82	96058	477 (6.34)	473 (4.91)	488 (4.43)	469 (5.09)	430 (5.53)	402 (10.19)
SVK	77067	3.71	74208	517 (6.67)	520 (3.85)	525 (3.77)	501 (4.68)	461 (4.74)	423 (5.93)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (3.48)	515 (2.90)	521 (3.75)	502 (6.31)	449 (9.90)	447 (16.25)
CHE	86491	0.48	86079	531 (4.12)	529 (3.86)	533 (3.26)	506 (4.74)	463 (7.03)	438 (10.89)
TUR	481279	13.78	414937	395 (13.30)	431 (10.47)	447 (9.49)	426 (6.98)	407 (5.38)	383 (6.17)
GBR	698579	91.67	58206	526 (4.03)	530 (3.45)	531 (3.12)	517 (5.72)	475 (9.64)	. (.)
USA	3147089	2.76	3060301	487 (3.72)	483 (3.68)	484 (4.44)	462 (6.08)	419 (10.68)	380 (9.87)
TOT	.	19.75	.	498 (2.15)	497 (1.56)	511 (1.81)	497 (2.31)	445 (2.67)	419 (4.46)
AVG	.	22.10	.	512 (1.06)	512 (0.90)	521 (0.89)	499 (1.25)	449 (1.67)	420 (2.72)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	485 (8.78)	489 (4.98)	506 (5.08)	491 (5.01)	452 (5.12)	438 (6.51)
LIE	338	0.30	337	536 (7.67)	531 (8.08)	535 (10.87)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	497 (9.11)	496 (5.93)	512 (6.16)	515 (6.70)	476 (5.05)	439 (6.96)
YUG	68596	1.90	67294	420 (6.20)	440 (4.54)	449 (6.33)	441 (5.33)	421 (3.00)	373 (6.09)
THA	637076	5.83	599963	468 (8.29)	443 (4.71)	443 (4.34)	432 (3.66)	405 (3.46)	376 (15.57)
TUN	150875	33.84	99822	327 (6.63)	362 (4.84)	378 (6.63)	379 (5.07)	358 (4.28)	318 (3.87)
URY	33775	3.82	32486	422 (8.04)	443 (4.78)	444 (5.88)	428 (5.64)	393 (4.90)	328 (5.73)

ICT Questionnaire – Question 5

Q5 How often do you use:
games on a computer?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	18.71 (0.56)	30.45 (0.68)	21.86 (0.53)	15.23 (0.45)	11.75 (0.45)	1.99 (0.21)
AUT	85931	1.17	84927	19.78 (0.81)	22.58 (0.80)	21.06 (0.72)	17.81 (0.67)	17.48 (0.87)	1.30 (0.23)
BEL	111831	2.30	109260	21.53 (0.63)	25.76 (0.61)	15.67 (0.41)	13.00 (0.46)	19.49 (0.47)	4.56 (0.47)
CAN	330436	10.12	296990	30.94 (0.59)	26.53 (0.45)	16.70 (0.39)	11.81 (0.31)	11.34 (0.37)	2.69 (0.16)
CZE	121183	4.27	116013	25.51 (0.98)	24.39 (0.64)	19.67 (0.56)	14.43 (0.73)	10.29 (0.50)	5.72 (0.49)
DNK	51741	0.70	51378	30.89 (0.82)	25.37 (0.67)	14.92 (0.61)	12.04 (0.47)	13.97 (0.68)	2.82 (0.31)
FIN	57884	0.07	57845	26.76 (0.63)	24.64 (0.66)	20.87 (0.59)	17.08 (0.49)	8.45 (0.42)	2.20 (0.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	26.14 (0.73)	23.57 (0.60)	15.39 (0.52)	15.48 (0.58)	15.35 (0.58)	4.06 (0.42)
GRC	105131	2.07	102960	25.67 (0.75)	33.86 (0.82)	18.11 (0.65)	11.81 (0.49)	7.76 (0.49)	2.79 (0.30)
HUN	107044	0.17	106867	24.65 (0.79)	34.86 (0.74)	18.40 (0.62)	10.60 (0.49)	8.57 (0.45)	2.92 (0.36)
ISL	3928	0.69	3901	28.85 (0.73)	23.60 (0.75)	17.38 (0.66)	15.42 (0.54)	13.50 (0.63)	1.25 (0.19)
IRL	54850	1.31	54133	15.00 (0.72)	30.30 (0.92)	21.03 (0.63)	15.90 (0.62)	13.72 (0.54)	4.05 (0.40)
ITA	481521	1.93	472204	25.01 (0.76)	29.37 (0.71)	13.49 (0.47)	11.30 (0.49)	16.21 (0.64)	4.62 (0.37)
JPN	1240054	1.42	1222475	5.70 (0.37)	11.28 (0.56)	19.38 (0.65)	33.80 (0.82)	16.94 (0.66)	12.90 (0.70)
KOR	533504	0.29	531933	26.66 (1.23)	29.22 (0.79)	17.87 (0.66)	13.11 (0.79)	10.58 (0.73)	2.56 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	12.85 (0.64)	26.44 (0.70)	14.02 (0.66)	13.85 (0.54)	19.34 (0.73)	13.50 (1.30)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.20	47083	23.44 (0.84)	31.97 (0.83)	18.86 (0.61)	14.26 (0.70)	10.90 (0.52)	0.56 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	26.89 (0.74)	26.35 (0.67)	15.38 (0.55)	14.16 (0.52)	12.98 (0.60)	4.24 (0.37)
PRT	96857	0.82	96058	24.79 (0.76)	32.92 (0.90)	14.73 (0.51)	13.02 (0.54)	11.20 (0.63)	3.33 (0.32)
SVK	77067	3.71	74208	24.09 (0.72)	26.39 (0.76)	16.83 (0.56)	12.37 (0.52)	8.23 (0.52)	12.09 (0.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	31.21 (0.83)	23.80 (0.94)	17.39 (0.65)	13.30 (0.52)	11.62 (0.50)	2.68 (0.25)
CHE	86491	0.48	86079	19.52 (0.69)	23.02 (0.70)	15.35 (0.59)	17.42 (0.58)	22.67 (0.77)	2.02 (0.21)
TUR	481279	13.78	414937	16.40 (0.69)	29.54 (0.91)	13.64 (0.65)	10.39 (0.74)	11.50 (0.87)	18.52 (1.33)
GBR	698579	91.67	58206	26.88 (0.81)	30.77 (0.97)	20.26 (0.96)	11.66 (0.69)	9.54 (0.61)	0.90 (.)
USA	3147089	2.76	3060301	31.12 (0.95)	29.53 (0.60)	17.24 (0.59)	12.13 (0.63)	7.73 (0.42)	2.25 (0.22)
TOT	.	19.75	.	23.20 (0.34)	25.95 (0.26)	16.81 (0.22)	15.63 (0.26)	12.47 (0.21)	5.94 (0.17)
AVG	.	22.10	.	23.49 (0.18)	26.91 (0.15)	17.35 (0.12)	14.60 (0.12)	12.96 (0.13)	4.69 (0.10)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	18.57 (0.88)	28.69 (0.98)	15.11 (0.80)	18.22 (0.83)	13.67 (0.65)	5.75 (0.53)
LIE	338	0.30	337	22.36 (2.46)	24.21 (2.10)	19.57 (2.49)	15.01 (1.89)	17.01 (1.97)	1.83 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	21.73 (1.00)	27.74 (0.99)	18.16 (0.57)	11.95 (0.60)	9.56 (0.53)	10.86 (0.94)
YUG	68596	1.92	67278	27.02 (0.99)	29.57 (0.95)	13.10 (0.66)	8.47 (0.54)	8.79 (0.60)	13.05 (1.02)
THA	637076	5.83	599963	13.93 (0.70)	31.53 (1.06)	19.68 (0.74)	19.32 (0.72)	14.28 (0.88)	1.25 (0.21)
TUN	150875	33.84	99822	13.84 (0.73)	21.96 (1.07)	11.49 (0.56)	11.50 (0.59)	13.31 (0.76)	27.90 (1.32)
URY	33775	3.82	32486	22.78 (0.78)	25.78 (0.56)	12.33 (0.58)	12.01 (0.60)	15.52 (0.63)	11.58 (0.87)

ICT Questionnaire – Question 5

Q5 How often do you use:
games on a computer?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	507 (2.78)	521 (2.47)	539 (3.74)	552 (3.10)	534 (3.69)	405 (8.71)
AUT	85931	1.17	84927	473 (4.65)	483 (5.38)	502 (4.09)	516 (5.08)	505 (5.39)	384 (20.07)
BEL	111831	2.30	109260	505 (3.40)	515 (4.45)	531 (4.16)	539 (3.94)	510 (4.21)	376 (14.12)
CAN	330436	10.12	296990	526 (2.18)	533 (2.29)	539 (2.34)	543 (3.14)	533 (4.03)	491 (6.62)
CZE	121183	4.27	116013	481 (3.80)	498 (3.68)	508 (3.64)	525 (4.21)	506 (4.89)	425 (9.00)
DNK	51741	0.70	51378	488 (3.87)	492 (3.45)	507 (4.05)	510 (5.16)	495 (4.88)	398 (11.26)
FIN	57884	0.07	57845	534 (2.88)	540 (2.74)	549 (2.65)	558 (3.17)	552 (4.12)	493 (10.28)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	490 (4.76)	496 (4.96)	514 (4.57)	529 (4.53)	514 (4.89)	402 (11.75)
GRC	105131	2.07	102960	462 (5.13)	472 (5.04)	491 (5.10)	490 (6.08)	465 (7.26)	413 (14.83)
HUN	107044	0.17	106867	472 (3.61)	480 (3.18)	493 (3.77)	502 (4.74)	498 (6.15)	393 (12.54)
ISL	3928	0.69	3901	472 (3.41)	496 (3.54)	513 (4.00)	516 (5.17)	490 (4.75)	350 (19.64)
IRL	54850	1.31	54133	499 (4.85)	513 (3.88)	532 (3.61)	527 (4.28)	520 (4.69)	447 (8.92)
ITA	481521	1.93	472204	465 (3.85)	474 (3.75)	492 (4.41)	497 (5.25)	499 (3.92)	405 (8.51)
JPN	1240054	1.42	1222475	504 (8.91)	507 (6.67)	513 (4.92)	509 (4.62)	484 (5.52)	463 (6.43)
KOR	533504	0.29	531933	511 (3.94)	537 (3.09)	549 (3.48)	555 (4.83)	552 (5.14)	465 (10.49)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	422 (4.77)	414 (4.63)	432 (5.42)	431 (5.96)	413 (4.38)	326 (6.98)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.20	47083	506 (3.74)	518 (3.40)	537 (4.04)	555 (4.00)	537 (5.05)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	492 (3.72)	495 (3.61)	508 (4.89)	510 (4.01)	511 (5.23)	445 (8.02)
PRT	96857	0.82	96058	470 (4.88)	476 (5.03)	493 (4.40)	490 (5.07)	484 (5.74)	424 (8.67)
SVK	77067	3.71	74208	470 (3.30)	479 (3.62)	489 (3.82)	497 (4.30)	487 (7.41)	404 (5.84)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	498 (3.24)	519 (3.68)	535 (3.79)	536 (4.72)	519 (5.27)	425 (18.75)
CHE	86491	0.48	86079	488 (4.66)	492 (4.77)	509 (4.24)	516 (4.67)	503 (4.58)	432 (11.12)
TUR	481279	13.78	414937	441 (7.60)	446 (7.45)	453 (8.47)	464 (7.53)	457 (9.16)	423 (6.06)
GBR	698579	91.67	58206	501 (3.96)	515 (3.92)	527 (5.16)	541 (5.68)	518 (5.91)	. (.)
USA	3147089	2.76	3060301	490 (3.73)	498 (3.56)	514 (4.57)	515 (4.68)	493 (6.88)	421 (9.55)
TOT	.	19.75	.	487 (1.73)	490 (1.73)	507 (1.94)	509 (1.97)	488 (2.02)	412 (4.11)
AVG	.	22.10	.	488 (0.81)	495 (0.99)	513 (0.95)	518 (1.27)	501 (1.21)	414 (2.71)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	476 (5.64)	484 (5.14)	504 (5.27)	503 (5.34)	509 (5.34)	458 (6.51)
LIE	338	0.30	337	509 (9.90)	517 (11.05)	532 (11.48)	548 (13.82)	535 (11.30)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	451 (4.73)	448 (5.07)	450 (4.69)	452 (5.43)	444 (7.07)	410 (6.23)
YUG	68596	1.92	67278	408 (3.79)	421 (3.95)	434 (5.09)	432 (5.98)	417 (7.04)	370 (5.83)
THA	637076	5.83	599963	426 (4.43)	420 (3.76)	429 (4.13)	430 (4.14)	411 (4.34)	376 (12.41)
TUN	150875	33.84	99822	392 (8.10)	393 (6.25)	388 (6.92)	405 (5.75)	380 (6.09)	350 (5.52)
URY	33775	3.82	32486	445 (5.34)	448 (4.92)	460 (7.17)	457 (8.14)	432 (5.40)	352 (7.35)

ICT Questionnaire – Question 5

Q5 How often do you use:
games on a computer?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	520 (2.91)	525 (2.78)	534 (3.41)	539 (3.30)	514 (3.47)	426 (8.35)
AUT	85931	1.17	84927	504 (4.66)	509 (4.43)	518 (3.51)	513 (4.94)	497 (4.89)	411 (23.09)
BEL	111831	2.30	109260	539 (3.47)	542 (4.13)	550 (3.88)	554 (3.60)	517 (3.72)	413 (11.62)
CAN	330436	10.12	296990	538 (2.28)	539 (2.50)	541 (2.00)	539 (3.01)	526 (3.38)	499 (6.91)
CZE	121183	4.27	116013	521 (4.45)	530 (4.26)	529 (4.05)	540 (4.38)	513 (4.48)	444 (7.83)
DNK	51741	0.70	51378	525 (3.81)	514 (3.54)	523 (4.44)	521 (5.35)	496 (4.43)	435 (11.00)
FIN	57884	0.07	57845	553 (2.85)	543 (2.77)	543 (2.77)	546 (3.15)	532 (4.72)	500 (8.06)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (4.69)	510 (4.76)	518 (4.47)	520 (4.14)	505 (5.18)	437 (10.00)
GRC	105131	2.07	102960	443 (4.63)	449 (4.69)	456 (5.09)	456 (6.04)	429 (6.52)	383 (10.12)
HUN	107044	0.17	106867	493 (4.20)	488 (3.47)	498 (3.87)	504 (4.78)	491 (5.86)	395 (10.43)
ISL	3928	0.69	3901	510 (3.08)	523 (3.29)	526 (3.98)	526 (4.76)	496 (4.36)	414 (18.02)
IRL	54850	1.31	54133	496 (4.68)	505 (3.59)	516 (3.65)	508 (4.17)	496 (4.07)	444 (8.11)
ITA	481521	1.93	472204	470 (4.22)	463 (3.73)	479 (4.14)	479 (5.30)	471 (4.09)	403 (6.24)
JPN	1240054	1.42	1222475	537 (9.33)	541 (6.58)	549 (5.11)	543 (4.72)	515 (5.15)	511 (6.02)
KOR	533504	0.29	531933	525 (4.35)	552 (3.73)	554 (4.38)	553 (5.24)	541 (6.02)	483 (9.42)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	406 (4.19)	397 (4.27)	415 (5.24)	411 (5.31)	394 (3.87)	321 (6.37)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.20	47083	514 (3.79)	524 (3.00)	535 (3.76)	549 (3.86)	524 (4.97)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	499 (3.50)	494 (3.80)	495 (4.57)	493 (4.06)	483 (4.46)	443 (7.02)
PRT	96857	0.82	96058	474 (4.57)	466 (4.62)	476 (3.75)	464 (4.53)	461 (4.82)	410 (7.12)
SVK	77067	3.71	74208	511 (3.21)	511 (3.67)	511 (3.66)	517 (3.78)	503 (7.38)	434 (6.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	509 (3.50)	514 (3.60)	522 (4.30)	516 (4.60)	492 (6.36)	436 (15.96)
CHE	86491	0.48	86079	535 (5.68)	527 (4.52)	535 (4.36)	536 (4.71)	512 (4.52)	461 (9.92)
TUR	481279	13.78	414937	433 (9.47)	434 (8.97)	446 (9.36)	444 (7.90)	435 (10.77)	398 (6.43)
GBR	698579	91.67	58206	519 (3.99)	524 (3.80)	530 (4.58)	538 (5.55)	518 (4.92)	. (.)
USA	3147089	2.76	3060301	482 (3.55)	489 (3.62)	495 (4.01)	493 (4.24)	472 (6.40)	399 (7.09)
TOT	.	19.75	.	491 (1.66)	489 (1.63)	505 (1.71)	508 (1.96)	479 (1.99)	422 (4.21)
AVG	.	22.10	.	505 (0.82)	502 (0.94)	514 (0.93)	515 (1.25)	493 (1.20)	425 (2.58)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	482 (5.65)	481 (4.48)	499 (5.43)	488 (4.29)	487 (6.15)	447 (5.54)
LIE	338	0.30	337	534 (11.86)	535 (12.11)	533 (12.12)	546 (15.19)	531 (13.59)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	481 (5.27)	477 (5.78)	475 (5.62)	472 (5.65)	464 (6.68)	438 (5.38)
YUG	68596	1.92	67278	440 (4.55)	447 (3.99)	457 (4.62)	446 (6.18)	430 (6.99)	395 (5.87)
THA	637076	5.83	599963	429 (4.64)	419 (3.80)	427 (4.06)	424 (4.45)	402 (4.81)	364 (11.60)
TUN	150875	33.84	99822	384 (6.47)	382 (6.44)	376 (6.30)	384 (5.38)	365 (4.83)	338 (3.83)
URY	33775	3.82	32486	435 (5.40)	432 (4.35)	444 (5.13)	440 (5.80)	420 (4.10)	357 (5.25)

ICT Questionnaire – Question 5

Q5 How often do you use:
games on a computer?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	518 (3.38)	525 (2.81)	536 (3.73)	541 (3.40)	518 (3.75)	426 (9.94)
AUT	85931	1.17	84927	486 (5.00)	491 (4.96)	501 (4.10)	502 (4.77)	490 (5.27)	397 (21.64)
BEL	111831	2.30	109260	515 (3.46)	519 (3.97)	527 (4.01)	531 (3.85)	502 (3.80)	394 (12.51)
CAN	330436	10.12	296990	524 (2.44)	526 (2.72)	526 (2.74)	527 (3.45)	511 (4.17)	484 (7.90)
CZE	121183	4.27	116013	524 (4.37)	535 (4.30)	536 (3.87)	549 (5.13)	524 (5.05)	453 (7.28)
DNK	51741	0.70	51378	489 (4.05)	476 (3.90)	482 (4.78)	481 (6.20)	456 (5.46)	374 (11.94)
FIN	57884	0.07	57845	554 (3.22)	547 (3.11)	548 (3.04)	552 (3.74)	542 (4.67)	494 (11.11)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	517 (5.06)	512 (5.33)	517 (4.74)	523 (4.54)	507 (5.47)	422 (10.38)
GRC	105131	2.07	102960	477 (4.57)	483 (4.89)	493 (4.63)	490 (5.80)	471 (7.01)	437 (11.23)
HUN	107044	0.17	106867	503 (4.17)	501 (3.29)	512 (3.98)	517 (5.30)	510 (6.19)	409 (12.04)
ISL	3928	0.69	3901	493 (3.25)	499 (3.77)	507 (3.85)	505 (4.99)	477 (4.90)	404 (16.05)
IRL	54850	1.31	54133	496 (5.19)	508 (3.88)	519 (3.97)	509 (4.46)	502 (5.21)	443 (8.71)
ITA	481521	1.93	472204	489 (4.61)	484 (4.11)	501 (4.66)	500 (5.58)	499 (4.35)	410 (7.78)
JPN	1240054	1.42	1222475	554 (10.33)	553 (7.03)	561 (5.78)	556 (4.78)	529 (5.72)	527 (6.44)
KOR	533504	0.29	531933	522 (4.97)	547 (4.27)	551 (4.73)	551 (5.30)	538 (6.45)	471 (10.64)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.19)	416 (4.01)	429 (5.16)	427 (5.41)	412 (4.11)	351 (5.24)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.20	47083	510 (4.03)	521 (3.27)	534 (4.02)	547 (4.27)	524 (5.33)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (4.05)	500 (4.08)	503 (5.78)	502 (4.06)	494 (5.54)	451 (7.23)
PRT	96857	0.82	96058	473 (4.89)	467 (4.62)	479 (4.77)	470 (4.68)	464 (5.75)	411 (7.51)
SVK	77067	3.71	74208	507 (3.90)	509 (3.80)	511 (3.89)	517 (4.10)	505 (6.56)	426 (7.21)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	503 (3.78)	512 (4.08)	520 (4.40)	515 (4.89)	493 (7.26)	432 (18.52)
CHE	86491	0.48	86079	517 (5.53)	512 (4.71)	523 (5.16)	524 (4.95)	503 (5.61)	436 (10.47)
TUR	481279	13.78	414937	437 (7.72)	442 (7.57)	449 (8.81)	457 (7.67)	444 (9.98)	416 (5.88)
GBR	698579	91.67	58206	506 (4.59)	512 (4.44)	521 (5.03)	536 (6.30)	508 (6.09)	. (.)
USA	3147089	2.76	3060301	490 (3.68)	495 (3.69)	507 (4.04)	504 (4.86)	482 (6.96)	409 (9.00)
TOT	.	19.75	.	496 (1.70)	495 (1.67)	512 (1.90)	517 (1.92)	489 (2.11)	436 (3.82)
AVG	.	22.10	.	502 (0.86)	502 (0.93)	514 (0.94)	517 (1.24)	495 (1.20)	430 (2.43)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	487 (5.74)	489 (4.97)	501 (5.90)	494 (4.66)	495 (6.46)	446 (6.20)
LIE	338	0.30	337	523 (12.84)	517 (14.17)	521 (13.38)	543 (14.64)	526 (11.96)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	504 (5.01)	494 (5.92)	496 (5.21)	495 (5.71)	488 (6.85)	458 (6.36)
YUG	68596	1.92	67278	437 (3.96)	444 (3.66)	454 (4.78)	450 (5.31)	436 (6.76)	399 (5.84)
THA	637076	5.83	599963	443 (4.50)	431 (3.74)	436 (3.94)	435 (4.46)	416 (4.50)	391 (12.40)
TUN	150875	33.84	99822	403 (5.83)	404 (6.31)	398 (6.31)	411 (5.77)	394 (5.52)	360 (4.75)
URY	33775	3.82	32486	450 (5.26)	447 (4.32)	460 (6.72)	455 (7.03)	439 (5.50)	375 (6.20)

ICT Questionnaire – Question 5

Q5 How often do you use:
games on a computer?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	522 (2.63)	530 (2.50)	540 (3.45)	545 (2.93)	524 (3.31)	438 (8.61)
AUT	85931	1.17	84927	501 (4.54)	507 (4.36)	518 (3.55)	516 (4.69)	502 (4.61)	412 (21.22)
BEL	111831	2.30	109260	532 (3.33)	536 (3.92)	546 (3.68)	548 (3.39)	514 (3.61)	415 (11.67)
CAN	330436	10.12	296990	535 (2.31)	537 (2.34)	538 (1.90)	538 (3.07)	524 (3.31)	490 (6.89)
CZE	121183	4.27	116013	520 (4.16)	529 (4.11)	531 (3.92)	541 (4.55)	514 (4.85)	443 (7.72)
DNK	51741	0.70	51378	525 (3.55)	516 (3.30)	528 (4.09)	526 (5.24)	498 (4.32)	440 (11.43)
FIN	57884	0.07	57845	554 (3.01)	547 (2.95)	547 (2.68)	553 (3.42)	537 (4.90)	494 (8.75)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (4.48)	519 (4.44)	528 (4.24)	532 (4.73)	518 (4.82)	438 (10.31)
GRC	105131	2.07	102960	442 (5.09)	451 (4.76)	463 (4.82)	461 (5.72)	443 (6.56)	393 (10.00)
HUN	107044	0.17	106867	500 (3.97)	501 (3.63)	509 (3.98)	517 (4.87)	507 (5.92)	402 (10.51)
ISL	3928	0.69	3901	497 (3.18)	512 (2.90)	517 (3.62)	518 (4.99)	491 (3.70)	397 (16.44)
IRL	54850	1.31	54133	491 (4.67)	501 (3.41)	512 (3.39)	501 (3.79)	494 (3.94)	438 (8.13)
ITA	481521	1.93	472204	469 (4.40)	468 (3.91)	486 (4.11)	485 (5.34)	480 (4.14)	399 (8.24)
JPN	1240054	1.42	1222475	554 (9.84)	557 (6.92)	562 (5.46)	555 (4.65)	529 (5.36)	520 (6.16)
KOR	533504	0.29	531933	533 (4.20)	558 (3.62)	562 (4.00)	562 (4.85)	553 (5.52)	501 (8.47)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	410 (4.92)	397 (5.11)	418 (6.18)	411 (6.11)	392 (4.84)	318 (6.18)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.20	47083	523 (3.59)	532 (3.09)	544 (3.65)	558 (3.90)	537 (4.93)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	494 (3.73)	488 (3.54)	492 (4.82)	490 (3.77)	483 (4.57)	444 (7.11)
PRT	96857	0.82	96058	474 (5.13)	470 (5.13)	480 (4.42)	472 (5.49)	467 (5.23)	409 (9.57)
SVK	77067	3.71	74208	504 (3.18)	506 (3.85)	506 (3.78)	511 (4.36)	498 (8.37)	424 (6.34)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	503 (3.33)	515 (3.63)	522 (4.08)	519 (4.36)	497 (5.75)	451 (15.89)
CHE	86491	0.48	86079	522 (4.82)	519 (4.27)	530 (4.12)	535 (4.41)	515 (4.44)	448 (9.79)
TUR	481279	13.78	414937	418 (8.76)	417 (7.99)	422 (8.96)	427 (7.16)	418 (9.86)	386 (6.19)
GBR	698579	91.67	58206	517 (4.10)	525 (3.90)	534 (4.34)	543 (5.33)	522 (4.91)	. (.)
USA	3147089	2.76	3060301	476 (3.60)	483 (3.78)	492 (4.48)	491 (4.40)	470 (7.01)	385 (8.84)
TOT	.	19.75	.	489 (1.68)	488 (1.79)	506 (1.83)	512 (2.10)	483 (2.30)	421 (4.35)
AVG	.	22.10	.	503 (0.76)	502 (0.97)	516 (0.94)	518 (1.32)	496 (1.23)	423 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	483 (5.84)	480 (5.17)	497 (5.80)	485 (4.57)	488 (6.33)	442 (6.04)
LIE	338	0.30	337	525 (10.87)	530 (11.03)	527 (12.27)	545 (14.37)	528 (13.36)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	495 (5.93)	488 (5.96)	487 (5.56)	486 (5.88)	472 (6.42)	441 (6.94)
YUG	68596	1.92	67278	422 (4.43)	428 (3.71)	442 (4.42)	431 (6.28)	417 (6.56)	378 (6.22)
THA	637076	5.83	599963	440 (4.59)	427 (3.59)	432 (3.59)	433 (4.31)	410 (4.60)	379 (14.14)
TUN	150875	33.84	99822	367 (5.75)	366 (5.35)	362 (5.91)	364 (5.49)	351 (4.61)	323 (3.47)
URY	33775	3.82	32486	425 (5.79)	423 (4.68)	437 (6.80)	429 (7.41)	411 (5.26)	330 (5.65)

ICT Questionnaire – Question 5

Q5 How often do you use:
Word processing (e.g. <Word ® or WordPerfect®>)?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day %	(SE)	A few times each week %	(SE)	Between 1 pwk & 1 pmn %	(SE)	Less than 1 pmn %	(SE)	Never %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	19.42	(0.64)	48.90	(0.58)	21.51	(0.50)	5.02	(0.29)	2.97	(0.19)	2.19	(0.21)
AUT	85931	1.17	84927	17.47	(0.81)	41.66	(1.09)	25.46	(0.72)	8.43	(0.61)	5.69	(0.39)	1.29	(0.22)
BEL	111831	2.30	109260	10.36	(0.37)	36.29	(0.58)	27.21	(0.55)	10.55	(0.43)	10.61	(0.51)	4.99	(0.48)
CAN	330436	10.12	296990	20.15	(0.64)	39.91	(0.49)	23.74	(0.46)	7.54	(0.30)	5.60	(0.27)	3.06	(0.17)
CZE	121183	4.27	116013	11.00	(0.53)	32.58	(0.69)	30.26	(0.76)	11.27	(0.53)	8.86	(0.47)	6.02	(0.51)
DNK	51741	0.70	51378	13.87	(0.65)	48.74	(0.82)	28.01	(0.93)	4.47	(0.38)	1.79	(0.26)	3.13	(0.33)
FIN	57884	0.07	57845	5.24	(0.31)	21.29	(0.75)	40.16	(0.67)	24.48	(0.79)	6.48	(0.38)	2.35	(0.25)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	13.48	(0.51)	33.34	(0.77)	28.13	(0.73)	11.75	(0.51)	8.93	(0.53)	4.37	(0.44)
GRC	105131	2.07	102960	12.80	(0.56)	30.73	(0.83)	22.78	(0.75)	15.88	(0.65)	14.87	(0.78)	2.94	(0.29)
HUN	107044	0.17	106867	9.16	(0.54)	42.36	(1.02)	24.56	(0.72)	11.28	(0.52)	9.63	(0.69)	3.01	(0.34)
ISL	3928	0.69	3901	8.97	(0.48)	34.66	(0.88)	38.06	(0.87)	10.57	(0.59)	6.61	(0.48)	1.14	(0.19)
IRL	54850	1.31	54133	5.90	(0.43)	26.52	(0.85)	28.66	(0.93)	17.33	(0.63)	17.23	(0.73)	4.37	(0.41)
ITA	481521	1.93	472204	18.86	(0.59)	37.50	(0.82)	16.55	(0.56)	9.13	(0.45)	13.01	(0.52)	4.96	(0.40)
JPN	1240054	1.42	1222475	2.45	(0.30)	12.20	(0.98)	18.58	(1.07)	29.65	(0.90)	24.04	(1.07)	13.08	(0.69)
KOR	533504	0.29	531933	3.60	(0.26)	27.17	(0.98)	40.40	(0.84)	19.59	(0.70)	6.61	(0.43)	2.64	(0.26)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	8.43	(0.38)	23.75	(0.81)	15.79	(0.67)	11.62	(0.47)	24.41	(0.86)	16.00	(1.36)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.22	47073	16.00	(0.64)	37.22	(0.88)	29.33	(0.70)	11.24	(0.53)	5.40	(0.35)	0.81	(0.12)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	14.00	(0.53)	31.09	(0.79)	21.41	(0.73)	14.88	(0.59)	14.20	(0.74)	4.42	(0.40)
PRT	96857	0.82	96058	11.38	(0.58)	39.53	(0.73)	18.55	(0.65)	10.58	(0.54)	15.48	(0.62)	4.47	(0.38)
SVK	77067	3.71	74208	10.81	(0.56)	27.11	(0.81)	23.72	(0.64)	11.66	(0.56)	13.67	(0.67)	13.03	(0.96)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	8.68	(0.59)	37.24	(0.93)	34.81	(0.83)	11.51	(0.50)	4.85	(0.38)	2.90	(0.30)
CHE	86491	0.48	86079	10.00	(0.56)	33.68	(0.77)	31.72	(0.68)	13.19	(0.62)	9.20	(0.57)	2.21	(0.21)
TUR	481279	13.78	414937	9.99	(0.67)	23.80	(1.28)	13.44	(0.84)	9.62	(0.54)	21.82	(0.97)	21.34	(1.49)
GBR	698579	91.67	58206	18.88	(0.93)	47.05	(0.95)	23.87	(0.90)	5.85	(0.42)	3.84	(0.35)	0.51	(.)
USA	3147089	2.76	3060301	23.00	(0.76)	37.12	(0.73)	23.91	(0.68)	8.06	(0.43)	5.48	(0.39)	2.43	(0.23)
TOT	.	19.75	.	14.30	(0.27)	31.15	(0.31)	23.15	(0.28)	12.94	(0.20)	11.97	(0.22)	6.50	(0.18)
AVG	.	22.10	.	11.88	(0.11)	33.65	(0.17)	26.25	(0.15)	12.49	(0.12)	10.59	(0.11)	5.14	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	5.57	(0.36)	24.96	(1.31)	23.00	(0.82)	15.18	(0.59)	24.91	(1.19)	6.38	(0.53)
LIE	338	0.30	337	13.92	(1.90)	43.73	(2.50)	25.65	(2.40)	9.12	(.)	5.13	(.)	2.44	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	8.25	(0.67)	21.89	(0.78)	18.98	(0.92)	9.61	(0.40)	28.50	(1.38)	12.76	(0.94)
YUG	68596	1.92	67278	13.16	(0.58)	31.40	(1.01)	18.46	(0.68)	7.33	(0.46)	15.20	(0.75)	14.46	(1.06)
THA	637076	5.83	599963	5.83	(0.47)	29.57	(1.04)	19.41	(0.71)	14.55	(0.62)	29.04	(1.21)	1.59	(0.26)
TUN	150875	33.84	99822	6.87	(0.49)	18.26	(0.89)	13.61	(0.66)	10.89	(0.58)	24.79	(1.11)	25.59	(1.36)
URY	33775	3.82	32486	18.11	(0.79)	26.50	(0.84)	12.18	(0.60)	9.34	(0.62)	20.90	(0.87)	12.97	(0.93)

ICT Questionnaire – Question 5

Q5 How often do you use:
Word processing (e.g. <Word ® or WordPerfect®>)?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	539 (3.42)	537 (2.38)	521 (3.44)	488 (4.93)	457 (6.66)	401 (8.88)
AUT	85931	1.17	84927	499 (4.06)	508 (3.74)	496 (5.22)	464 (8.16)	423 (7.52)	383 (16.18)
BEL	111831	2.30	109260	513 (4.50)	535 (2.73)	538 (2.91)	498 (5.18)	436 (6.82)	372 (12.33)
CAN	330436	10.12	296990	538 (2.71)	545 (1.73)	530 (2.31)	505 (4.22)	480 (4.38)	491 (6.25)
CZE	121183	4.27	116013	497 (5.06)	509 (2.90)	513 (3.67)	495 (4.51)	440 (4.74)	425 (8.53)
DNK	51741	0.70	51378	505 (6.05)	499 (2.81)	496 (3.26)	460 (6.43)	415 (13.51)	391 (11.31)
FIN	57884	0.07	57845	543 (7.10)	551 (2.58)	554 (2.08)	539 (2.81)	489 (5.94)	492 (9.96)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	503 (5.35)	510 (3.89)	519 (4.07)	508 (6.29)	449 (6.69)	396 (11.58)
GRC	105131	2.07	102960	468 (6.77)	474 (4.99)	488 (5.12)	486 (5.62)	452 (5.39)	407 (15.25)
HUN	107044	0.17	106867	477 (5.58)	488 (2.94)	501 (4.17)	487 (4.62)	434 (5.91)	394 (12.25)
ISL	3928	0.69	3901	476 (6.52)	504 (2.87)	505 (2.78)	473 (6.05)	435 (6.62)	343 (20.32)
IRL	54850	1.31	54133	513 (7.36)	525 (3.56)	534 (3.28)	522 (3.94)	485 (3.98)	435 (8.56)
ITA	481521	1.93	472204	469 (4.42)	490 (2.88)	496 (4.44)	483 (5.62)	454 (4.87)	401 (8.44)
JPN	1240054	1.42	1222475	518 (13.42)	500 (6.85)	513 (6.58)	520 (4.51)	479 (5.52)	463 (6.27)
KOR	533504	0.29	531933	537 (7.72)	555 (3.82)	542 (2.93)	521 (3.65)	465 (5.67)	463 (10.96)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	427 (8.10)	422 (4.54)	427 (5.78)	434 (5.50)	411 (4.17)	333 (6.78)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.22	47073	523 (4.66)	536 (3.07)	533 (3.37)	507 (4.96)	469 (7.99)	405 (20.99)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	498 (4.87)	506 (3.81)	514 (3.94)	502 (4.42)	470 (4.40)	445 (7.54)
PRT	96857	0.82	96058	484 (6.04)	493 (4.50)	489 (4.10)	473 (5.91)	444 (4.66)	417 (8.84)
SVK	77067	3.71	74208	472 (5.07)	491 (3.13)	502 (3.30)	489 (4.65)	437 (6.00)	404 (5.66)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	520 (6.18)	529 (2.71)	521 (3.10)	498 (4.66)	452 (6.68)	421 (17.29)
CHE	86491	0.48	86079	500 (4.97)	509 (3.69)	513 (5.07)	491 (4.20)	449 (5.20)	413 (10.92)
TUR	481279	13.78	414937	434 (9.90)	450 (9.02)	466 (9.95)	471 (9.21)	445 (6.65)	420 (5.86)
GBR	698579	91.67	58206	505 (4.99)	525 (3.01)	525 (4.07)	499 (7.35)	453 (7.75)	. (.)
USA	3147089	2.76	3060301	510 (4.11)	509 (3.68)	502 (3.74)	469 (5.67)	437 (5.38)	415 (10.45)
TOT	.	19.75	.	501 (2.35)	504 (1.73)	507 (1.73)	495 (1.91)	450 (2.03)	409 (3.91)
AVG	.	22.10	.	500 (1.18)	509 (0.81)	514 (0.83)	498 (1.17)	451 (1.37)	411 (2.58)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (6.95)	503 (5.42)	503 (4.69)	496 (5.83)	473 (5.00)	461 (6.03)
LIE	338	0.30	337	530 (14.42)	527 (7.51)	537 (9.74)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	462 (5.82)	461 (4.95)	467 (5.02)	459 (6.05)	425 (5.71)	407 (5.97)
YUG	68596	1.92	67278	415 (5.13)	428 (4.12)	432 (4.46)	420 (6.61)	399 (4.31)	365 (5.56)
THA	637076	5.83	599963	457 (7.27)	430 (4.01)	432 (4.85)	423 (4.00)	404 (3.36)	367 (9.63)
TUN	150875	33.84	99822	373 (7.61)	397 (7.21)	394 (6.86)	395 (5.51)	391 (4.78)	345 (5.64)
URY	33775	3.82	32486	456 (6.48)	465 (4.67)	460 (6.61)	438 (7.90)	417 (5.27)	358 (6.46)

ICT Questionnaire – Question 5

Q5 How often do you use:
Word processing (e.g. <Word ® or WordPerfect®>)?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (2.75)	535 (2.34)	522 (3.21)	484 (4.49)	450 (5.84)	426 (8.98)
AUT	85931	1.17	84927	508 (4.35)	519 (3.66)	513 (4.66)	487 (5.87)	452 (6.96)	409 (17.81)
BEL	111831	2.30	109260	533 (4.64)	557 (2.73)	562 (2.93)	515 (4.72)	458 (5.16)	408 (10.02)
CAN	330436	10.12	296990	542 (2.88)	547 (1.97)	537 (2.20)	513 (3.79)	486 (4.45)	501 (5.46)
CZE	121183	4.27	116013	529 (4.92)	538 (3.16)	541 (4.23)	518 (4.76)	454 (5.10)	441 (6.89)
DNK	51741	0.70	51378	526 (5.15)	521 (2.83)	519 (3.73)	479 (8.12)	435 (10.74)	427 (9.62)
FIN	57884	0.07	57845	544 (6.75)	550 (2.74)	556 (2.15)	541 (2.72)	486 (5.23)	500 (8.37)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	516 (5.37)	521 (3.80)	528 (3.71)	510 (5.83)	456 (6.00)	430 (10.08)
GRC	105131	2.07	102960	443 (5.36)	447 (4.54)	460 (4.99)	460 (5.92)	423 (4.76)	381 (10.41)
HUN	107044	0.17	106867	491 (6.41)	496 (3.10)	513 (4.26)	494 (4.47)	432 (5.61)	396 (9.79)
ISL	3928	0.69	3901	504 (5.48)	528 (2.41)	526 (2.37)	496 (5.43)	450 (5.52)	405 (18.66)
IRL	54850	1.31	54133	492 (6.49)	508 (3.11)	520 (3.29)	512 (3.93)	477 (3.88)	434 (7.41)
ITA	481521	1.93	472204	464 (3.94)	480 (3.08)	487 (4.91)	469 (4.86)	435 (5.06)	401 (5.99)
JPN	1240054	1.42	1222475	535 (14.29)	530 (6.86)	548 (6.93)	556 (4.53)	514 (5.13)	511 (5.93)
KOR	533504	0.29	531933	538 (8.85)	564 (4.75)	551 (3.08)	528 (4.03)	469 (5.78)	483 (9.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (7.10)	406 (3.66)	408 (5.35)	413 (5.68)	393 (3.53)	327 (6.30)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.22	47073	516 (4.58)	535 (2.85)	538 (3.24)	516 (4.55)	475 (7.10)	415 (19.26)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	498 (4.37)	503 (3.24)	508 (3.71)	488 (4.36)	454 (3.63)	445 (6.86)
PRT	96857	0.82	96058	476 (6.59)	481 (3.74)	484 (3.41)	453 (5.30)	428 (4.02)	403 (7.67)
SVK	77067	3.71	74208	502 (4.71)	521 (3.22)	530 (3.66)	517 (4.90)	465 (4.84)	434 (6.51)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (6.17)	523 (3.05)	515 (3.32)	494 (4.11)	438 (6.68)	436 (15.56)
CHE	86491	0.48	86079	536 (5.58)	539 (4.10)	539 (4.39)	516 (5.04)	466 (4.32)	437 (9.93)
TUR	481279	13.78	414937	420 (11.01)	437 (10.27)	458 (10.96)	460 (10.36)	431 (7.66)	394 (6.60)
GBR	698579	91.67	58206	515 (3.92)	531 (2.82)	534 (3.77)	509 (6.30)	457 (7.29)	. (.)
USA	3147089	2.76	3060301	493 (3.64)	497 (3.64)	491 (3.28)	457 (5.21)	426 (5.08)	397 (7.82)
TOT	.	19.75	.	493 (2.07)	501 (1.51)	508 (1.68)	500 (2.15)	451 (2.06)	418 (4.04)
AVG	.	22.10	.	503 (1.18)	514 (0.77)	521 (0.85)	503 (1.15)	451 (1.29)	421 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (6.75)	498 (5.56)	502 (4.86)	486 (4.77)	458 (4.46)	451 (5.30)
LIE	338	0.30	337	540 (15.38)	540 (8.07)	546 (9.97)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	488 (6.14)	491 (5.34)	495 (5.79)	481 (6.53)	449 (5.13)	435 (5.33)
YUG	68596	1.92	67278	439 (5.54)	452 (4.58)	462 (4.93)	449 (6.26)	421 (4.11)	389 (5.50)
THA	637076	5.83	599963	458 (7.30)	427 (4.29)	431 (4.19)	419 (4.06)	400 (3.35)	363 (12.77)
TUN	150875	33.84	99822	363 (6.56)	391 (7.00)	379 (7.65)	377 (6.42)	374 (3.83)	335 (4.09)
URY	33775	3.82	32486	442 (5.79)	449 (4.54)	448 (5.64)	431 (6.67)	404 (3.75)	357 (4.84)

ICT Questionnaire – Question 5

Q5 How often do you use:
Word processing (e.g. <Word ® or WordPerfect®>)?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (3.35)	537 (2.39)	521 (3.46)	485 (4.79)	445 (6.35)	423 (9.34)
AUT	85931	1.17	84927	494 (4.29)	506 (3.68)	497 (4.87)	469 (7.12)	430 (7.29)	398 (15.15)
BEL	111831	2.30	109260	511 (4.90)	534 (2.91)	539 (2.81)	498 (5.07)	441 (5.09)	389 (11.04)
CAN	330436	10.12	296990	527 (2.98)	536 (2.15)	523 (2.42)	499 (4.84)	466 (4.94)	485 (6.95)
CZE	121183	4.27	116013	534 (5.86)	544 (3.33)	547 (3.97)	523 (4.94)	460 (5.59)	450 (6.93)
DNK	51741	0.70	51378	491 (5.62)	484 (3.14)	478 (3.93)	433 (7.81)	390 (14.94)	367 (11.73)
FIN	57884	0.07	57845	558 (7.82)	558 (3.14)	560 (2.44)	541 (3.08)	482 (6.11)	497 (11.08)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	518 (5.63)	522 (3.92)	528 (4.17)	512 (6.60)	454 (6.48)	416 (10.48)
GRC	105131	2.07	102960	479 (5.51)	480 (4.95)	496 (4.79)	495 (5.49)	462 (5.56)	430 (11.58)
HUN	107044	0.17	106867	501 (7.06)	511 (3.02)	525 (4.49)	504 (4.86)	448 (5.62)	407 (11.56)
ISL	3928	0.69	3901	488 (5.71)	509 (2.80)	505 (2.50)	470 (5.12)	431 (6.05)	396 (17.86)
IRL	54850	1.31	54133	501 (7.09)	512 (3.65)	525 (3.55)	512 (4.59)	475 (4.31)	433 (8.11)
ITA	481521	1.93	472204	484 (4.32)	500 (3.46)	509 (5.03)	493 (5.66)	462 (5.62)	406 (7.61)
JPN	1240054	1.42	1222475	565 (15.15)	550 (7.44)	563 (7.64)	568 (4.59)	523 (5.61)	527 (6.46)
KOR	533504	0.29	531933	539 (10.26)	563 (4.59)	548 (3.39)	523 (4.37)	452 (6.58)	472 (10.69)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	432 (6.22)	422 (4.20)	424 (5.54)	428 (5.75)	413 (3.38)	356 (5.25)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.22	47073	512 (4.96)	533 (3.34)	535 (3.26)	515 (4.81)	476 (7.43)	407 (18.11)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (5.43)	512 (3.85)	514 (4.31)	496 (5.09)	460 (4.80)	453 (6.99)
PRT	96857	0.82	96058	478 (6.55)	484 (4.03)	483 (4.23)	458 (5.61)	429 (4.26)	403 (8.30)
SVK	77067	3.71	74208	497 (5.00)	519 (3.64)	531 (3.66)	516 (4.74)	465 (5.88)	426 (6.83)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	508 (6.35)	520 (3.28)	515 (3.68)	490 (5.17)	434 (7.42)	423 (17.10)
CHE	86491	0.48	86079	519 (6.96)	526 (4.35)	528 (5.31)	505 (5.21)	449 (5.35)	416 (10.01)
TUR	481279	13.78	414937	431 (9.77)	444 (9.09)	464 (10.53)	465 (9.48)	435 (7.12)	414 (5.53)
GBR	698579	91.67	58206	506 (5.50)	523 (3.41)	522 (4.44)	491 (7.67)	439 (8.62)	. (.)
USA	3147089	2.76	3060301	505 (3.99)	505 (3.48)	498 (3.90)	466 (5.50)	438 (5.62)	402 (9.55)
TOT	.	19.75	.	502 (2.25)	507 (1.55)	513 (1.91)	508 (2.04)	460 (2.12)	432 (3.68)
AVG	.	22.10	.	503 (1.21)	513 (0.81)	520 (0.86)	505 (1.23)	455 (1.31)	426 (2.29)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	498 (7.54)	506 (5.82)	507 (4.71)	493 (5.26)	464 (4.92)	449 (6.00)
LIE	338	0.30	337	528 (15.87)	532 (8.69)	534 (10.68)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	509 (6.62)	509 (5.88)	515 (5.79)	504 (6.88)	471 (5.37)	455 (6.12)
YUG	68596	1.92	67278	432 (5.16)	449 (4.35)	458 (4.74)	451 (7.24)	426 (4.34)	397 (5.43)
THA	637076	5.83	599963	470 (7.77)	440 (3.90)	441 (4.69)	430 (3.98)	413 (3.17)	383 (10.60)
TUN	150875	33.84	99822	386 (6.98)	408 (6.77)	403 (7.61)	404 (6.38)	402 (4.71)	355 (4.88)
URY	33775	3.82	32486	455 (5.14)	461 (5.04)	461 (6.40)	444 (6.55)	429 (4.23)	376 (6.29)

ICT Questionnaire – Question 5

Q5 How often do you use:
Word processing (e.g. <Word ® or WordPerfect®>)?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	541 (2.90)	540 (2.23)	527 (3.03)	490 (4.44)	458 (5.60)	435 (9.10)
AUT	85931	1.17	84927	509 (3.76)	518 (3.55)	513 (4.57)	490 (6.28)	455 (7.05)	408 (14.92)
BEL	111831	2.30	109260	529 (4.15)	551 (2.67)	555 (2.69)	513 (4.53)	455 (4.87)	413 (10.02)
CAN	330436	10.12	296990	539 (2.81)	546 (1.77)	533 (2.34)	511 (3.96)	484 (4.37)	494 (6.01)
CZE	121183	4.27	116013	531 (4.91)	538 (3.03)	541 (3.92)	517 (4.63)	455 (5.26)	441 (6.86)
DNK	51741	0.70	51378	527 (5.13)	524 (2.70)	521 (3.60)	483 (6.92)	440 (10.74)	434 (10.02)
FIN	57884	0.07	57845	556 (6.28)	556 (3.20)	559 (2.23)	542 (3.04)	484 (5.53)	495 (8.52)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (5.10)	529 (3.71)	535 (3.74)	517 (5.70)	465 (5.33)	432 (10.34)
GRC	105131	2.07	102960	443 (5.80)	449 (4.81)	464 (5.38)	465 (5.60)	431 (4.45)	388 (9.64)
HUN	107044	0.17	106867	497 (6.08)	506 (3.38)	525 (4.58)	507 (4.58)	447 (5.68)	405 (10.41)
ISL	3928	0.69	3901	497 (5.84)	518 (2.26)	514 (2.30)	487 (5.51)	446 (5.40)	392 (17.80)
IRL	54850	1.31	54133	496 (6.51)	508 (3.43)	514 (2.89)	506 (3.65)	469 (3.89)	428 (7.23)
ITA	481521	1.93	472204	469 (4.36)	484 (3.08)	490 (5.01)	476 (5.46)	439 (5.04)	398 (7.78)
JPN	1240054	1.42	1222475	558 (12.05)	548 (7.52)	561 (6.61)	569 (4.90)	525 (5.21)	520 (6.00)
KOR	533504	0.29	531933	546 (8.81)	570 (4.32)	558 (2.83)	538 (4.67)	483 (5.54)	499 (8.09)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	415 (8.20)	407 (4.62)	409 (5.96)	417 (6.56)	392 (4.95)	323 (6.18)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.22	47073	531 (4.40)	546 (2.77)	544 (3.03)	521 (4.53)	483 (6.57)	430 (20.69)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	494 (4.80)	499 (3.39)	502 (4.01)	485 (4.22)	453 (3.81)	445 (6.99)
PRT	96857	0.82	96058	479 (6.70)	487 (4.19)	487 (4.46)	458 (5.71)	431 (4.95)	402 (9.69)
SVK	77067	3.71	74208	499 (4.94)	517 (3.20)	525 (3.59)	509 (5.05)	455 (4.77)	424 (6.29)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (5.48)	522 (2.92)	514 (3.27)	496 (4.39)	443 (6.08)	448 (14.93)
CHE	86491	0.48	86079	529 (4.91)	533 (3.91)	533 (3.86)	513 (4.72)	466 (4.60)	420 (10.96)
TUR	481279	13.78	414937	405 (10.67)	422 (8.92)	437 (10.14)	440 (9.19)	412 (6.87)	381 (6.56)
GBR	698579	91.67	58206	519 (4.59)	533 (3.02)	534 (4.27)	511 (7.03)	458 (7.45)	. (.)
USA	3147089	2.76	3060301	489 (3.85)	492 (3.92)	486 (3.50)	452 (4.93)	419 (5.95)	382 (9.22)
TOT	.	19.75	.	492 (2.19)	501 (1.72)	508 (1.70)	504 (2.30)	452 (2.33)	416 (4.20)
AVG	.	22.10	.	504 (1.17)	515 (0.81)	521 (0.84)	505 (1.21)	452 (1.41)	419 (2.64)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (8.13)	498 (5.99)	502 (5.03)	483 (5.13)	457 (5.13)	447 (5.82)
LIE	338	0.30	337	536 (14.90)	532 (7.57)	540 (10.52)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	502 (6.35)	508 (5.30)	509 (5.66)	494 (6.33)	456 (5.89)	437 (6.72)
YUG	68596	1.92	67278	421 (5.15)	435 (4.13)	445 (4.61)	431 (6.77)	406 (3.96)	371 (5.69)
THA	637076	5.83	599963	470 (6.50)	436 (4.26)	439 (4.14)	430 (3.92)	406 (3.24)	373 (13.11)
TUN	150875	33.84	99822	347 (6.51)	373 (6.08)	363 (6.67)	362 (5.42)	359 (3.54)	319 (3.68)
URY	33775	3.82	32486	429 (6.73)	440 (5.25)	441 (7.13)	416 (7.04)	398 (4.75)	333 (5.48)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to collaborate with a group or team?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	16.12 (0.49)	25.74 (0.63)	22.34 (0.57)	13.43 (0.41)	19.75 (0.50)	2.62 (0.21)
AUT	85931	1.17	84927	9.36 (0.53)	15.92 (0.65)	24.19 (0.67)	19.65 (0.67)	29.33 (0.91)	1.55 (0.26)
BEL	111831	2.30	109260	14.61 (0.52)	16.96 (0.42)	19.80 (0.59)	15.30 (0.45)	28.21 (0.52)	5.12 (0.52)
CAN	330436	10.12	296990	25.32 (0.54)	22.07 (0.44)	18.24 (0.43)	11.66 (0.30)	18.91 (0.44)	3.81 (0.16)
CZE	121183	4.27	116013	9.94 (0.54)	18.53 (0.66)	23.94 (0.67)	17.68 (0.50)	23.78 (0.69)	6.14 (0.51)
DNK	51741	0.70	51378	10.47 (0.56)	22.61 (0.75)	23.84 (0.76)	15.37 (0.61)	24.29 (0.84)	3.42 (0.39)
FIN	57884	0.07	57845	5.55 (0.35)	7.43 (0.37)	12.39 (0.46)	23.28 (0.68)	48.79 (0.84)	2.55 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	8.37 (0.42)	12.09 (0.54)	18.23 (0.67)	19.47 (0.59)	37.42 (0.83)	4.42 (0.44)
GRC	105131	2.07	102960	8.48 (0.51)	16.28 (0.54)	15.66 (0.64)	18.25 (0.56)	38.20 (0.98)	3.13 (0.32)
HUN	107044	0.17	106867	7.65 (0.40)	24.62 (0.76)	17.64 (0.51)	15.55 (0.56)	31.10 (0.96)	3.43 (0.36)
ISL	3928	0.69	3901	9.49 (0.53)	15.45 (0.68)	29.55 (0.81)	23.92 (0.68)	20.24 (0.64)	1.36 (0.22)
IRL	54850	1.31	54133	4.62 (0.39)	11.33 (0.56)	15.25 (0.62)	15.33 (0.66)	48.84 (1.04)	4.62 (0.45)
ITA	481521	1.93	472204	6.51 (0.35)	17.13 (0.71)	16.47 (0.57)	17.00 (0.48)	37.64 (0.92)	5.25 (0.43)
JPN	1240054	1.42	1222475	2.30 (0.27)	3.40 (0.28)	6.06 (0.42)	14.55 (0.52)	60.59 (0.93)	13.10 (0.69)
KOR	533504	0.31	531834	18.84 (0.68)	28.87 (0.60)	22.03 (0.62)	14.65 (0.49)	12.82 (0.46)	2.79 (0.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	9.98 (0.62)	23.78 (0.88)	14.98 (0.52)	10.92 (0.46)	24.92 (1.19)	15.42 (1.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	16.16 (0.58)	22.34 (0.75)	21.17 (0.70)	15.41 (0.65)	23.41 (0.75)	1.53 (0.19)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	14.61 (0.63)	21.93 (0.87)	19.89 (0.68)	16.57 (0.60)	22.69 (0.98)	4.32 (0.39)
PRT	96857	0.82	96058	11.87 (0.78)	29.74 (0.86)	22.12 (0.72)	13.23 (0.56)	18.52 (0.80)	4.51 (0.39)
SVK	77067	3.71	74208	6.18 (0.35)	16.43 (0.69)	18.21 (0.78)	13.85 (0.53)	31.62 (0.90)	13.71 (0.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	11.53 (0.53)	16.06 (0.63)	21.45 (0.67)	17.93 (0.63)	29.95 (0.75)	3.07 (0.28)
CHE	86491	0.48	86079	9.59 (0.64)	15.73 (0.49)	20.87 (0.93)	19.84 (0.53)	31.66 (0.96)	2.31 (0.23)
TUR	481279	13.78	414937	6.59 (0.56)	15.93 (0.75)	12.18 (0.71)	11.30 (0.59)	31.81 (1.04)	22.19 (1.47)
GBR	698579	91.67	58206	17.29 (0.98)	23.20 (0.98)	19.02 (0.81)	13.71 (0.63)	25.94 (1.18)	0.84 (.)
USA	3147089	2.76	3060301	20.28 (0.57)	20.74 (0.59)	19.09 (0.60)	13.95 (0.53)	23.00 (0.67)	2.94 (0.25)
TOT	.	19.75	.	13.20 (0.20)	18.13 (0.23)	16.91 (0.24)	14.68 (0.19)	30.35 (0.33)	6.72 (0.18)
AVG	.	22.10	.	11.02 (0.10)	18.39 (0.15)	19.04 (0.14)	16.23 (0.10)	29.92 (0.17)	5.40 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	5.60 (0.45)	15.09 (0.70)	14.94 (0.74)	14.93 (0.61)	42.86 (1.29)	6.58 (0.56)
LIE	338	0.30	337	10.01 (1.61)	21.10 (2.06)	26.04 (2.44)	20.79 (2.41)	19.28 (2.35)	2.78 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	3.36 (0.46)	7.49 (0.58)	7.90 (0.57)	7.00 (0.42)	60.75 (1.12)	13.50 (0.98)
YUG	68596	1.92	67278	8.11 (0.40)	10.66 (0.55)	8.47 (0.53)	8.04 (0.45)	49.13 (1.21)	15.59 (1.06)
THA	637076	5.83	599963	4.49 (0.38)	19.28 (0.87)	17.62 (0.70)	14.97 (0.66)	41.87 (1.52)	1.77 (0.31)
TUN	150875	33.84	99822	5.06 (0.46)	12.73 (0.65)	13.70 (0.69)	13.47 (0.64)	28.75 (1.14)	26.28 (1.36)
URY	33775	3.82	32486	7.22 (0.54)	17.94 (0.75)	13.27 (0.54)	12.89 (0.53)	34.92 (0.99)	13.76 (0.97)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to collaborate with a group or team?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (3.45)	522 (2.81)	529 (2.99)	536 (2.80)	533 (2.95)	420 (9.61)
AUT	85931	1.17	84927	477 (6.75)	472 (5.73)	498 (4.82)	510 (4.20)	500 (4.28)	393 (15.07)
BEL	111831	2.30	109260	511 (4.12)	516 (4.25)	540 (3.65)	539 (3.64)	497 (3.70)	378 (13.16)
CAN	330436	10.12	296990	536 (2.19)	529 (2.15)	537 (2.47)	535 (2.58)	529 (2.66)	501 (5.26)
CZE	121183	4.27	116013	493 (5.45)	504 (3.70)	505 (3.02)	512 (3.55)	489 (4.11)	427 (8.21)
DNK	51741	0.70	51378	483 (5.16)	479 (4.19)	497 (3.52)	505 (4.05)	512 (3.72)	395 (10.87)
FIN	57884	0.07	57845	532 (5.80)	535 (6.01)	539 (3.33)	547 (2.50)	548 (2.01)	493 (9.75)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	488 (7.31)	477 (6.35)	506 (4.83)	522 (4.41)	510 (3.85)	403 (11.08)
GRC	105131	2.07	102960	451 (7.12)	461 (5.32)	485 (6.70)	485 (5.44)	477 (4.63)	414 (13.09)
HUN	107044	0.17	106867	480 (6.92)	478 (3.45)	492 (3.61)	500 (3.73)	479 (4.12)	402 (12.22)
ISL	3928	0.69	3901	459 (6.22)	479 (4.90)	501 (2.97)	507 (3.18)	498 (3.93)	359 (18.98)
IRL	54850	1.31	54133	501 (8.19)	508 (5.19)	525 (4.52)	531 (3.69)	518 (2.90)	436 (9.05)
ITA	481521	1.93	472204	434 (7.35)	469 (4.28)	499 (3.67)	503 (3.87)	478 (4.02)	406 (8.69)
JPN	1240054	1.42	1222475	519 (9.89)	500 (10.63)	512 (8.59)	515 (6.16)	501 (4.24)	463 (6.26)
KOR	533504	0.31	531834	532 (3.67)	543 (3.63)	540 (3.87)	535 (4.00)	520 (5.41)	468 (10.19)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	439 (5.66)	425 (4.03)	432 (5.46)	424 (6.89)	406 (4.49)	327 (6.60)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	528 (4.44)	513 (4.41)	522 (4.42)	539 (4.21)	532 (3.88)	463 (14.87)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (4.67)	491 (4.47)	507 (3.98)	510 (4.06)	497 (4.30)	443 (7.94)
PRT	96857	0.82	96058	480 (7.12)	471 (5.10)	492 (4.75)	492 (4.85)	477 (4.89)	423 (8.31)
SVK	77067	3.71	74208	479 (6.13)	486 (4.54)	499 (4.01)	497 (4.58)	466 (3.24)	408 (5.57)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	496 (5.21)	502 (4.02)	519 (3.22)	521 (4.76)	532 (3.00)	426 (16.32)
CHE	86491	0.48	86079	489 (6.64)	486 (5.75)	505 (4.22)	515 (4.18)	502 (4.23)	416 (10.52)
TUR	481279	13.78	414937	416 (10.57)	440 (9.00)	463 (10.32)	466 (10.75)	457 (6.16)	419 (5.48)
GBR	698579	91.67	58206	513 (4.15)	508 (4.46)	514 (5.42)	529 (5.00)	523 (4.23)	. (.)
USA	3147089	2.76	3060301	502 (4.24)	489 (4.34)	504 (4.82)	512 (5.00)	499 (4.17)	428 (10.32)
TOT	.	19.75	.	498 (2.27)	486 (1.85)	502 (2.18)	508 (1.96)	492 (1.63)	413 (3.82)
AVG	.	22.10	.	497 (1.14)	491 (1.02)	507 (1.00)	513 (0.92)	499 (0.99)	415 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	491 (7.69)	475 (5.87)	495 (6.71)	507 (4.73)	495 (3.77)	459 (6.03)
LIE	338	0.30	337	499 (13.77)	513 (10.02)	529 (11.18)	548 (9.47)	531 (10.89)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	446 (9.76)	436 (6.29)	456 (6.04)	473 (6.77)	449 (4.56)	409 (6.12)
YUG	68596	1.92	67278	411 (5.44)	422 (5.48)	434 (6.35)	426 (4.63)	420 (3.67)	367 (5.66)
THA	637076	5.83	599963	447 (7.80)	431 (4.78)	436 (5.06)	431 (4.24)	409 (3.09)	371 (10.99)
TUN	150875	33.84	99822	370 (10.70)	377 (7.10)	391 (6.29)	391 (6.66)	402 (5.66)	348 (5.48)
URY	33775	3.82	32486	434 (9.34)	452 (6.22)	470 (6.21)	468 (7.10)	434 (4.40)	361 (6.45)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to collaborate with a group or team?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	529 (3.26)	521 (2.83)	529 (3.24)	533 (2.73)	526 (2.88)	439 (9.51)
AUT	85931	1.17	84927	496 (6.59)	488 (5.23)	513 (4.15)	519 (3.83)	514 (3.82)	414 (16.62)
BEL	111831	2.30	109260	538 (4.32)	539 (4.05)	564 (3.33)	558 (3.18)	514 (3.25)	413 (10.74)
CAN	330436	10.12	296990	542 (2.38)	536 (2.49)	541 (2.34)	537 (2.52)	530 (2.50)	506 (4.93)
CZE	121183	4.27	116013	524 (5.60)	529 (4.05)	532 (3.58)	539 (3.91)	515 (4.06)	444 (7.25)
DNK	51741	0.70	51378	511 (5.22)	502 (4.29)	515 (3.61)	526 (4.22)	532 (3.57)	431 (9.92)
FIN	57884	0.07	57845	551 (5.69)	549 (5.18)	539 (3.38)	546 (2.87)	546 (2.28)	502 (8.15)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	508 (6.82)	495 (5.48)	516 (4.87)	529 (4.54)	514 (3.94)	435 (9.62)
GRC	105131	2.07	102960	434 (5.52)	435 (4.92)	458 (5.84)	460 (5.14)	447 (4.24)	388 (10.09)
HUN	107044	0.17	106867	491 (6.85)	484 (3.91)	501 (3.71)	512 (3.95)	487 (4.31)	405 (10.65)
ISL	3928	0.69	3901	494 (5.59)	508 (3.72)	522 (3.21)	526 (3.20)	515 (3.62)	411 (15.51)
IRL	54850	1.31	54133	491 (7.27)	498 (4.81)	512 (4.08)	515 (3.60)	504 (2.85)	436 (8.08)
ITA	481521	1.93	472204	436 (7.42)	457 (4.56)	488 (3.79)	493 (3.58)	465 (3.88)	405 (6.45)
JPN	1240054	1.42	1222475	544 (11.52)	532 (9.28)	547 (7.22)	553 (6.10)	534 (4.33)	511 (5.87)
KOR	533504	0.31	531834	532 (4.22)	554 (3.82)	548 (3.96)	547 (4.34)	530 (5.21)	485 (9.39)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	419 (4.84)	405 (3.76)	415 (5.08)	407 (6.50)	392 (4.23)	321 (6.15)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	527 (4.44)	519 (3.77)	524 (4.07)	540 (4.06)	531 (3.69)	465 (13.50)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	501 (4.45)	484 (3.98)	499 (3.91)	500 (4.10)	489 (3.67)	443 (7.25)
PRT	96857	0.82	96058	473 (6.40)	460 (4.33)	479 (4.42)	478 (5.12)	463 (4.33)	409 (6.85)
SVK	77067	3.71	74208	510 (5.49)	514 (4.03)	528 (4.50)	529 (4.12)	495 (3.25)	436 (6.26)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	502 (5.20)	496 (4.29)	514 (3.43)	513 (4.24)	522 (3.41)	435 (14.10)
CHE	86491	0.48	86079	530 (6.40)	516 (6.15)	534 (4.54)	538 (5.05)	526 (3.76)	439 (8.84)
TUR	481279	13.78	414937	398 (10.34)	433 (10.14)	454 (12.09)	462 (11.65)	439 (7.01)	394 (6.03)
GBR	698579	91.67	58206	523 (4.28)	518 (4.52)	522 (4.42)	537 (4.56)	528 (4.36)	. (.)
USA	3147089	2.76	3060301	492 (3.96)	480 (3.99)	491 (4.23)	497 (4.76)	482 (3.64)	411 (8.19)
TOT	.	19.75	.	494 (2.11)	482 (1.67)	499 (1.79)	508 (1.93)	494 (1.63)	420 (3.96)
AVG	.	22.10	.	505 (1.11)	496 (0.97)	513 (0.92)	518 (0.92)	502 (0.99)	424 (2.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	488 (6.91)	475 (5.05)	494 (6.77)	503 (5.08)	482 (4.06)	446 (5.26)
LIE	338	0.30	337	509 (18.32)	539 (11.81)	530 (11.08)	558 (10.64)	533 (13.20)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	482 (8.92)	462 (6.37)	485 (5.44)	499 (7.38)	475 (4.88)	437 (5.54)
YUG	68596	1.92	67278	439 (6.00)	449 (5.50)	460 (6.21)	457 (5.82)	443 (3.75)	391 (5.49)
THA	637076	5.83	599963	449 (9.58)	430 (4.89)	434 (5.01)	425 (4.73)	406 (3.37)	369 (11.26)
TUN	150875	33.84	99822	360 (8.98)	362 (6.42)	379 (6.86)	381 (6.07)	388 (4.47)	335 (4.08)
URY	33775	3.82	32486	416 (7.49)	440 (5.47)	462 (5.53)	451 (5.46)	421 (3.73)	358 (4.58)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to collaborate with a group or team?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	529 (3.76)	522 (3.07)	529 (3.47)	535 (3.07)	530 (3.43)	438 (10.29)
AUT	85931	1.17	84927	480 (6.98)	471 (5.74)	498 (4.48)	506 (4.17)	500 (4.16)	403 (14.93)
BEL	111831	2.30	109260	517 (4.30)	516 (3.88)	538 (3.75)	536 (3.29)	497 (3.39)	394 (11.48)
CAN	330436	10.12	296990	529 (2.72)	522 (2.51)	527 (2.72)	523 (3.16)	519 (2.93)	492 (6.01)
CZE	121183	4.27	116013	528 (6.01)	535 (4.30)	537 (3.69)	545 (3.80)	523 (4.16)	452 (7.14)
DNK	51741	0.70	51378	479 (5.99)	464 (4.54)	477 (3.98)	488 (4.61)	492 (3.75)	368 (11.29)
FIN	57884	0.07	57845	557 (6.17)	551 (5.56)	545 (3.89)	550 (3.31)	550 (2.44)	495 (10.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (7.05)	491 (6.41)	515 (5.53)	531 (5.06)	517 (4.14)	421 (10.21)
GRC	105131	2.07	102960	466 (6.58)	472 (5.90)	492 (6.02)	491 (4.96)	485 (4.35)	434 (10.77)
HUN	107044	0.17	106867	501 (7.03)	499 (3.87)	514 (3.83)	520 (4.23)	503 (4.22)	416 (11.34)
ISL	3928	0.69	3901	473 (6.49)	487 (4.46)	504 (3.12)	502 (3.68)	497 (3.55)	399 (15.80)
IRL	54850	1.31	54133	500 (7.80)	502 (4.81)	513 (4.45)	517 (4.20)	507 (3.33)	433 (8.10)
ITA	481521	1.93	472204	449 (8.04)	480 (4.55)	512 (4.87)	516 (4.43)	487 (4.22)	412 (7.73)
JPN	1240054	1.42	1222475	567 (11.64)	541 (10.38)	563 (8.51)	564 (6.39)	547 (4.54)	527 (6.34)
KOR	533504	0.31	531834	532 (4.64)	551 (4.34)	544 (4.41)	541 (5.03)	520 (6.18)	474 (10.90)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	435 (5.54)	422 (3.42)	431 (4.97)	422 (6.57)	411 (4.21)	351 (5.04)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	523 (4.47)	514 (4.35)	522 (4.09)	538 (4.50)	531 (4.17)	458 (12.70)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (5.80)	492 (4.62)	505 (4.71)	509 (4.59)	497 (4.30)	453 (7.59)
PRT	96857	0.82	96058	475 (6.58)	462 (4.68)	483 (4.57)	479 (5.10)	465 (5.29)	407 (8.44)
SVK	77067	3.71	74208	510 (6.22)	512 (4.40)	527 (4.69)	526 (4.22)	494 (3.42)	430 (6.81)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	493 (5.84)	493 (4.88)	508 (3.55)	512 (5.11)	523 (3.85)	427 (16.39)
CHE	86491	0.48	86079	509 (6.78)	501 (6.15)	521 (4.61)	527 (5.13)	515 (5.42)	420 (9.62)
TUR	481279	13.78	414937	410 (8.26)	438 (9.04)	461 (11.26)	465 (11.00)	447 (6.33)	414 (5.37)
GBR	698579	91.67	58206	515 (5.29)	508 (5.07)	508 (6.00)	526 (6.12)	518 (4.68)	. (.)
USA	3147089	2.76	3060301	499 (4.36)	486 (4.21)	500 (4.26)	507 (5.25)	493 (3.71)	416 (9.45)
TOT	.	19.75	.	499 (2.26)	487 (1.77)	505 (1.95)	515 (2.01)	504 (1.68)	434 (3.53)
AVG	.	22.10	.	503 (1.22)	495 (0.98)	511 (1.00)	517 (0.87)	506 (0.96)	429 (2.25)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (7.78)	482 (5.11)	499 (6.81)	505 (4.58)	490 (4.42)	446 (5.80)
LIE	338	0.30	337	498 (18.19)	521 (12.16)	523 (12.66)	556 (11.67)	517 (11.11)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	498 (9.69)	482 (6.73)	503 (6.65)	516 (7.61)	497 (4.86)	456 (6.30)
YUG	68596	1.92	67278	431 (6.35)	445 (5.94)	459 (7.09)	455 (5.57)	443 (3.34)	398 (5.39)
THA	637076	5.83	599963	464 (8.02)	442 (4.74)	446 (4.75)	439 (4.70)	417 (3.30)	391 (10.36)
TUN	150875	33.84	99822	381 (8.29)	386 (6.84)	403 (6.59)	403 (6.62)	412 (5.23)	358 (4.90)
URY	33775	3.82	32486	433 (9.22)	447 (5.45)	471 (7.19)	468 (6.63)	442 (3.62)	378 (5.98)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to collaborate with a group or team?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (2.83)	527 (2.70)	534 (2.95)	539 (2.98)	532 (2.78)	450 (8.89)
AUT	85931	1.17	84927	493 (6.38)	488 (5.36)	514 (4.18)	520 (3.86)	516 (3.66)	413 (15.23)
BEL	111831	2.30	109260	531 (4.19)	535 (3.94)	557 (3.23)	554 (3.08)	511 (2.88)	416 (10.63)
CAN	330436	10.12	296990	540 (2.14)	534 (2.46)	539 (2.32)	535 (2.54)	528 (2.57)	500 (5.44)
CZE	121183	4.27	116013	525 (5.22)	531 (4.42)	533 (3.31)	538 (3.83)	514 (4.20)	444 (7.25)
DNK	51741	0.70	51378	513 (6.18)	505 (4.05)	518 (3.33)	528 (4.09)	534 (3.43)	434 (10.10)
FIN	57884	0.07	57845	555 (5.75)	551 (4.79)	544 (3.35)	551 (3.01)	548 (2.37)	496 (8.94)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (6.87)	504 (5.19)	525 (4.89)	536 (4.34)	524 (3.62)	437 (9.93)
GRC	105131	2.07	102960	433 (6.68)	438 (5.27)	461 (5.77)	463 (5.84)	452 (4.33)	395 (9.70)
HUN	107044	0.17	106867	497 (7.32)	496 (4.21)	512 (3.61)	523 (4.60)	499 (4.45)	413 (10.48)
ISL	3928	0.69	3901	487 (6.06)	497 (3.93)	512 (2.87)	516 (2.82)	504 (3.83)	401 (15.39)
IRL	54850	1.31	54133	492 (7.77)	496 (4.45)	510 (3.93)	511 (3.85)	498 (2.71)	429 (7.41)
ITA	481521	1.93	472204	434 (7.91)	462 (4.56)	494 (3.85)	497 (3.59)	471 (4.12)	402 (7.82)
JPN	1240054	1.42	1222475	562 (11.43)	547 (10.27)	556 (8.05)	565 (6.32)	548 (4.37)	519 (6.12)
KOR	533504	0.31	531834	542 (3.73)	560 (3.81)	556 (3.82)	555 (4.15)	538 (4.95)	502 (8.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.93)	408 (4.53)	415 (5.67)	407 (7.58)	389 (5.32)	318 (6.17)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	539 (4.14)	529 (3.69)	531 (3.93)	549 (4.19)	540 (3.54)	483 (13.21)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (5.01)	480 (4.50)	496 (4.28)	496 (3.99)	486 (3.71)	444 (7.20)
PRT	96857	0.82	96058	478 (7.10)	465 (4.87)	483 (4.93)	481 (5.56)	468 (4.64)	407 (9.22)
SVK	77067	3.71	74208	508 (5.64)	511 (4.40)	524 (4.46)	522 (3.67)	487 (3.53)	427 (5.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (4.80)	496 (3.94)	512 (3.05)	514 (4.52)	521 (3.21)	450 (13.94)
CHE	86491	0.48	86079	525 (5.20)	511 (5.02)	527 (4.09)	533 (4.74)	522 (3.64)	425 (9.46)
TUR	481279	13.78	414937	385 (12.08)	419 (9.23)	434 (10.83)	437 (10.52)	422 (6.33)	381 (5.75)
GBR	698579	91.67	58206	522 (4.09)	520 (4.92)	525 (4.60)	540 (4.82)	529 (4.09)	. (.)
USA	3147089	2.76	3060301	486 (4.26)	473 (4.03)	486 (4.25)	493 (4.88)	478 (3.98)	398 (9.28)
TOT	.	19.75	.	493 (2.30)	481 (1.71)	499 (1.85)	509 (2.09)	497 (1.71)	418 (4.08)
AVG	.	22.10	.	505 (1.13)	497 (1.02)	513 (0.87)	518 (1.01)	504 (0.99)	422 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	489 (8.51)	473 (6.44)	492 (6.83)	503 (4.82)	482 (4.28)	443 (5.61)
LIE	338	0.30	337	510 (16.31)	527 (10.67)	525 (10.68)	554 (11.01)	529 (12.36)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	488 (9.85)	473 (7.21)	499 (6.32)	513 (7.96)	487 (5.16)	439 (6.81)
YUG	68596	1.92	67278	421 (6.41)	429 (5.53)	444 (5.73)	441 (5.36)	428 (3.41)	372 (5.79)
THA	637076	5.83	599963	461 (9.11)	438 (4.88)	443 (4.57)	434 (4.87)	413 (2.96)	380 (11.70)
TUN	150875	33.84	99822	347 (9.20)	346 (6.02)	362 (5.65)	363 (5.95)	373 (4.34)	320 (3.70)
URY	33775	3.82	32486	401 (11.07)	430 (7.10)	448 (6.22)	444 (6.63)	413 (4.29)	335 (5.56)

ICT Questionnaire – Question 5

Q5 How often do you use:
spreadsheets (e.g. <Lotus 1 2 3 ® or Microsoft Excel®>)?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	4.38 (0.28)	17.51 (0.48)	30.67 (0.62)	26.04 (0.51)	18.98 (0.56)	2.42 (0.22)
AUT	85931	1.17	84927	5.56 (0.45)	19.19 (0.76)	27.20 (0.81)	22.07 (0.60)	24.30 (0.99)	1.68 (0.34)
BEL	111831	2.30	109260	3.49 (0.23)	12.75 (0.43)	20.98 (0.59)	21.31 (0.52)	36.29 (0.71)	5.18 (0.49)
CAN	330436	10.12	296990	4.88 (0.29)	11.65 (0.36)	22.84 (0.45)	25.99 (0.44)	31.43 (0.58)	3.21 (0.21)
CZE	121183	4.27	116013	4.64 (0.37)	15.99 (0.71)	28.08 (0.76)	22.23 (0.61)	22.85 (0.76)	6.21 (0.55)
DNK	51741	0.70	51378	2.64 (0.28)	14.58 (0.74)	23.54 (0.71)	26.64 (0.75)	29.36 (1.00)	3.25 (0.36)
FIN	57884	0.07	57845	1.13 (0.15)	4.53 (0.40)	15.10 (0.62)	30.07 (0.74)	46.69 (1.00)	2.48 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	4.96 (0.31)	13.22 (0.56)	21.25 (0.68)	23.11 (0.69)	33.04 (0.79)	4.41 (0.43)
GRC	105131	2.07	102960	6.97 (0.45)	18.94 (0.70)	19.45 (0.63)	19.28 (0.54)	32.02 (0.92)	3.34 (0.33)
HUN	107044	0.17	106867	4.00 (0.30)	26.68 (0.88)	23.10 (0.77)	20.01 (0.71)	22.84 (0.96)	3.37 (0.36)
ISL	3928	0.69	3901	3.42 (0.32)	10.30 (0.59)	22.93 (0.58)	30.49 (0.72)	31.49 (0.79)	1.38 (0.22)
IRL	54850	1.31	54133	2.50 (0.27)	11.46 (0.60)	18.50 (0.78)	20.38 (0.72)	42.28 (0.95)	4.89 (0.45)
ITA	481521	1.93	472204	8.13 (0.43)	21.16 (0.82)	15.02 (0.44)	14.86 (0.46)	35.18 (0.89)	5.65 (0.40)
JPN	1240054	1.42	1222475	0.89 (0.23)	6.30 (0.93)	8.75 (0.80)	21.47 (0.89)	49.40 (1.58)	13.18 (0.68)
KOR	533504	0.31	531834	1.29 (0.15)	5.76 (0.44)	17.93 (0.54)	29.19 (0.70)	42.99 (0.96)	2.84 (0.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	6.55 (0.38)	20.79 (0.96)	15.27 (0.82)	13.43 (0.49)	28.10 (1.05)	15.84 (1.39)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	6.15 (0.43)	15.49 (0.63)	24.51 (0.80)	27.91 (0.79)	24.71 (0.73)	1.24 (0.18)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	8.54 (0.45)	22.17 (0.87)	24.25 (0.80)	21.51 (0.70)	19.00 (0.89)	4.53 (0.42)
PRT	96857	0.82	96058	4.43 (0.32)	22.10 (0.85)	20.42 (0.65)	21.10 (0.67)	27.57 (0.83)	4.39 (0.39)
SVK	77067	3.71	74208	5.24 (0.40)	14.38 (0.54)	19.41 (0.61)	17.12 (0.65)	30.57 (0.76)	13.28 (0.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	1.84 (0.20)	6.13 (0.36)	16.91 (0.60)	25.56 (0.83)	46.25 (0.86)	3.31 (0.29)
CHE	86491	0.48	86079	4.55 (0.32)	14.32 (0.60)	24.33 (0.74)	25.56 (0.56)	28.67 (0.78)	2.57 (0.25)
TUR	481279	13.78	414937	6.47 (0.48)	17.95 (1.25)	12.83 (0.85)	10.25 (0.64)	29.96 (1.36)	22.53 (1.52)
GBR	698579	91.67	58206	6.71 (0.49)	23.58 (1.13)	23.63 (0.96)	20.30 (0.69)	24.90 (1.14)	0.87 (.)
USA	3147089	2.76	3060301	7.10 (0.44)	14.08 (0.57)	23.16 (0.77)	24.52 (0.71)	28.34 (0.81)	2.80 (0.25)
TOT	.	19.75	.	5.39 (0.16)	14.41 (0.28)	19.37 (0.31)	21.79 (0.27)	32.28 (0.39)	6.76 (0.18)
AVG	.	22.10	.	4.55 (0.07)	14.89 (0.13)	20.75 (0.14)	22.61 (0.14)	31.79 (0.16)	5.43 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	2.92 (0.23)	15.98 (1.25)	19.86 (0.98)	21.14 (0.80)	33.73 (1.23)	6.37 (0.55)
LIE	338	0.30	337	6.08 (.)	17.33 (2.19)	30.42 (3.06)	26.52 (2.59)	17.19 (2.06)	2.46 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	4.04 (0.38)	13.72 (0.87)	17.00 (0.98)	12.14 (0.61)	39.61 (1.31)	13.48 (1.02)
YUG	68596	1.92	67278	5.52 (0.40)	11.83 (0.52)	11.14 (0.62)	12.13 (0.56)	42.84 (1.08)	16.54 (1.07)
THA	637076	5.83	599963	2.35 (0.31)	16.60 (0.99)	18.15 (0.71)	17.56 (0.77)	43.68 (1.43)	1.66 (0.25)
TUN	150875	33.84	99822	5.21 (0.41)	12.63 (0.60)	12.05 (0.73)	10.51 (0.60)	33.13 (1.23)	26.48 (1.37)
URY	33775	3.82	32486	10.10 (0.57)	19.23 (0.70)	12.78 (0.55)	14.66 (0.51)	29.20 (0.91)	14.03 (0.96)

ICT Questionnaire – Question 5

Q5 How often do you use:
spreadsheets (e.g. <Lotus 1 2 3 ® or Microsoft Excel®>)?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	484 (6.97)	510 (2.96)	535 (2.96)	546 (2.42)	525 (2.89)	407 (9.21)
AUT	85931	1.17	84927	470 (7.36)	486 (5.68)	502 (4.49)	504 (4.36)	493 (4.77)	373 (12.81)
BEL	111831	2.30	109260	469 (9.32)	503 (4.98)	538 (3.34)	545 (2.76)	501 (3.74)	377 (12.83)
CAN	330436	10.12	296990	498 (6.40)	524 (3.28)	536 (2.33)	545 (2.38)	530 (2.34)	492 (6.54)
CZE	121183	4.27	116013	475 (7.16)	505 (3.44)	510 (3.33)	514 (4.09)	478 (4.01)	425 (8.81)
DNK	51741	0.70	51378	459 (9.55)	481 (4.98)	498 (3.77)	509 (3.40)	494 (3.33)	390 (11.60)
FIN	57884	0.07	57845	494 (13.40)	527 (6.75)	543 (3.34)	549 (2.24)	546 (2.01)	486 (9.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	463 (8.89)	483 (6.41)	510 (4.63)	529 (3.60)	503 (4.32)	400 (11.89)
GRC	105131	2.07	102960	451 (8.24)	463 (6.34)	484 (5.79)	492 (5.05)	472 (4.39)	411 (13.45)
HUN	107044	0.17	106867	467 (8.36)	483 (3.29)	499 (3.49)	499 (4.51)	465 (4.35)	399 (12.52)
ISL	3928	0.69	3901	425 (9.75)	466 (5.72)	496 (3.29)	504 (2.71)	500 (3.15)	362 (19.27)
IRL	54850	1.31	54133	472 (8.95)	498 (4.82)	523 (3.72)	534 (4.21)	519 (3.23)	437 (8.19)
ITA	481521	1.93	472204	441 (5.92)	477 (4.42)	494 (3.99)	502 (3.89)	481 (3.59)	404 (8.19)
JPN	1240054	1.42	1222475	509 (24.75)	506 (6.13)	514 (8.38)	531 (5.08)	492 (4.71)	463 (6.35)
KOR	533504	0.31	531834	497 (11.28)	530 (6.81)	534 (4.04)	542 (3.57)	535 (3.32)	465 (9.89)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	412 (7.54)	416 (4.66)	437 (6.07)	439 (5.39)	415 (3.90)	328 (6.47)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	488 (6.56)	501 (4.54)	528 (3.99)	548 (2.98)	526 (4.31)	427 (14.71)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	466 (5.34)	488 (4.33)	513 (4.15)	519 (3.91)	495 (4.35)	437 (8.06)
PRT	96857	0.82	96058	460 (8.03)	470 (6.42)	494 (4.53)	498 (3.97)	470 (4.22)	415 (8.43)
SVK	77067	3.71	74208	454 (7.27)	475 (4.21)	500 (3.34)	507 (3.77)	467 (4.16)	406 (5.69)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	463 (13.10)	482 (6.43)	516 (4.23)	531 (3.32)	519 (2.74)	421 (15.12)
CHE	86491	0.48	86079	478 (7.58)	492 (5.98)	508 (4.17)	516 (4.61)	492 (4.08)	418 (11.80)
TUR	481279	13.78	414937	415 (8.99)	432 (8.10)	463 (12.91)	481 (8.58)	459 (7.42)	418 (5.50)
GBR	698579	91.67	58206	477 (7.19)	500 (4.24)	518 (3.85)	540 (4.00)	525 (3.47)	. (.)
USA	3147089	2.76	3060301	463 (7.28)	471 (4.97)	508 (3.68)	521 (3.46)	501 (3.76)	418 (10.47)
TOT	.	19.75	.	457 (3.44)	472 (2.20)	505 (1.69)	519 (1.62)	492 (1.68)	409 (3.92)
AVG	.	22.10	.	461 (1.64)	482 (1.21)	510 (1.00)	521 (0.83)	498 (0.95)	412 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	478 (9.28)	486 (6.48)	502 (5.09)	507 (4.80)	484 (4.29)	458 (6.16)
LIE	338	0.30	337	. (.)	498 (12.70)	539 (8.82)	534 (9.42)	522 (12.60)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	442 (8.40)	451 (5.31)	465 (4.04)	474 (4.73)	438 (5.65)	407 (6.42)
YUG	68596	1.92	67278	399 (7.47)	416 (5.29)	436 (5.20)	436 (5.26)	418 (3.66)	368 (5.34)
THA	637076	5.83	599963	417 (10.38)	416 (4.35)	436 (4.51)	444 (4.68)	413 (3.31)	374 (9.27)
TUN	150875	33.84	99822	365 (11.07)	390 (6.83)	381 (7.74)	395 (7.39)	399 (4.92)	348 (5.78)
URY	33775	3.82	32486	422 (7.78)	453 (4.67)	463 (6.56)	471 (6.72)	438 (4.42)	360 (6.42)

ICT Questionnaire – Question 5
Q5 How often do you use:
spreadsheets (e.g. <Lotus 1 2 3 ® or Microsoft Excel®>)?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	490 (6.10)	511 (3.47)	536 (2.67)	542 (2.68)	515 (2.93)	432 (9.35)
AUT	85931	1.17	84927	492 (7.65)	502 (4.57)	519 (3.99)	517 (3.89)	500 (4.12)	401 (16.17)
BEL	111831	2.30	109260	500 (8.48)	527 (4.53)	564 (3.02)	568 (3.12)	518 (3.38)	410 (10.33)
CAN	330436	10.12	296990	510 (6.28)	532 (3.71)	543 (2.53)	551 (2.22)	529 (2.31)	498 (5.82)
CZE	121183	4.27	116013	522 (7.30)	537 (3.70)	539 (3.79)	539 (4.30)	497 (4.39)	443 (7.44)
DNK	51741	0.70	51378	498 (9.58)	511 (4.90)	524 (3.48)	529 (3.34)	508 (3.54)	428 (9.61)
FIN	57884	0.07	57845	521 (13.15)	546 (5.89)	553 (3.79)	552 (2.67)	540 (2.16)	492 (8.43)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	489 (8.42)	500 (5.76)	525 (4.61)	536 (3.52)	503 (4.17)	430 (9.89)
GRC	105131	2.07	102960	435 (7.38)	436 (5.09)	459 (5.06)	463 (4.76)	443 (4.12)	388 (10.01)
HUN	107044	0.17	106867	486 (7.29)	491 (3.57)	513 (3.58)	508 (4.89)	465 (4.31)	401 (10.00)
ISL	3928	0.69	3901	457 (9.27)	504 (5.30)	523 (2.82)	526 (2.91)	513 (2.89)	415 (16.33)
IRL	54850	1.31	54133	470 (8.70)	483 (4.35)	511 (3.29)	524 (3.66)	504 (3.21)	435 (7.58)
ITA	481521	1.93	472204	447 (5.59)	472 (4.25)	487 (4.26)	492 (4.08)	460 (3.78)	405 (6.23)
JPN	1240054	1.42	1222475	527 (25.29)	530 (5.86)	550 (8.56)	568 (5.89)	525 (4.59)	510 (5.90)
KOR	533504	0.31	531834	504 (11.16)	538 (6.97)	542 (3.85)	552 (4.24)	542 (3.40)	484 (9.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	398 (7.10)	399 (4.66)	419 (5.48)	421 (4.51)	396 (3.96)	322 (5.99)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	481 (5.41)	505 (4.72)	532 (3.89)	551 (2.94)	524 (3.82)	434 (13.12)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	470 (4.76)	488 (3.85)	510 (3.99)	507 (3.58)	478 (3.67)	439 (7.35)
PRT	96857	0.82	96058	455 (6.95)	464 (6.02)	483 (3.82)	487 (3.62)	452 (3.60)	403 (6.65)
SVK	77067	3.71	74208	496 (6.87)	509 (4.28)	532 (3.74)	537 (3.62)	490 (3.69)	435 (6.40)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	474 (12.24)	484 (6.61)	517 (4.58)	527 (3.65)	507 (2.55)	432 (13.11)
CHE	86491	0.48	86079	517 (6.55)	528 (5.56)	542 (5.09)	544 (4.19)	507 (3.28)	441 (10.15)
TUR	481279	13.78	414937	401 (10.27)	419 (8.89)	453 (15.21)	476 (10.48)	444 (8.54)	394 (6.13)
GBR	698579	91.67	58206	490 (6.89)	508 (3.91)	530 (3.88)	549 (3.91)	527 (3.40)	. (.)
USA	3147089	2.76	3060301	456 (6.00)	465 (4.72)	497 (3.64)	506 (3.21)	484 (3.59)	399 (7.72)
TOT	.	19.75	.	457 (3.14)	471 (2.10)	505 (1.62)	519 (1.61)	491 (1.59)	417 (3.95)
AVG	.	22.10	.	471 (1.65)	488 (1.17)	518 (0.94)	527 (0.89)	498 (0.92)	421 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	479 (8.13)	487 (6.21)	501 (6.16)	500 (4.31)	470 (3.73)	447 (5.29)
LIE	338	0.30	337	. (.)	515 (15.28)	559 (9.76)	539 (8.72)	519 (12.88)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	475 (7.18)	481 (5.72)	495 (5.39)	497 (4.54)	462 (5.41)	437 (5.70)
YUG	68596	1.92	67278	428 (7.88)	444 (4.99)	460 (6.56)	468 (5.00)	441 (3.84)	391 (5.19)
THA	637076	5.83	599963	411 (11.63)	413 (4.38)	438 (4.69)	441 (4.75)	409 (3.14)	365 (9.26)
TUN	150875	33.84	99822	357 (9.18)	381 (6.57)	372 (7.33)	386 (7.16)	381 (4.08)	335 (4.08)
URY	33775	3.82	32486	411 (5.97)	436 (4.71)	459 (5.39)	458 (5.70)	422 (3.81)	357 (4.96)

ICT Questionnaire – Question 5

Q5 How often do you use:
spreadsheets (e.g. <Lotus 1 2 3 ® or Microsoft Excel®>)?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	490 (6.68)	513 (3.42)	537 (2.75)	544 (2.49)	515 (3.12)	429 (9.78)
AUT	85931	1.17	84927	475 (7.52)	487 (4.83)	503 (3.98)	502 (4.29)	489 (4.72)	386 (12.18)
BEL	111831	2.30	109260	478 (8.60)	505 (5.24)	540 (3.58)	545 (3.04)	499 (3.34)	393 (10.99)
CAN	330436	10.12	296990	489 (6.57)	517 (3.58)	528 (2.80)	538 (2.51)	518 (2.68)	483 (6.77)
CZE	121183	4.27	116013	524 (8.45)	541 (4.09)	545 (3.63)	546 (4.70)	504 (4.37)	451 (7.35)
DNK	51741	0.70	51378	459 (10.89)	474 (6.48)	486 (3.56)	490 (3.79)	469 (3.76)	368 (11.57)
FIN	57884	0.07	57845	530 (13.47)	549 (8.78)	556 (3.57)	557 (2.77)	544 (2.34)	487 (10.87)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	486 (9.79)	498 (6.53)	523 (5.13)	540 (3.85)	505 (4.55)	418 (10.74)
GRC	105131	2.07	102960	470 (6.62)	473 (5.75)	491 (5.60)	498 (5.08)	480 (4.24)	434 (11.20)
HUN	107044	0.17	106867	499 (8.15)	506 (3.52)	523 (3.88)	521 (4.92)	480 (4.67)	413 (11.81)
ISL	3928	0.69	3901	442 (10.20)	479 (5.77)	504 (3.21)	505 (3.29)	494 (3.43)	401 (17.39)
IRL	54850	1.31	54133	469 (9.99)	485 (5.42)	515 (3.60)	526 (4.44)	507 (3.59)	435 (7.66)
ITA	481521	1.93	472204	464 (6.43)	490 (4.41)	510 (4.41)	516 (4.78)	484 (3.97)	411 (7.52)
JPN	1240054	1.42	1222475	552 (24.16)	553 (6.60)	567 (9.76)	582 (5.88)	536 (4.78)	526 (6.37)
KOR	533504	0.31	531834	499 (12.92)	539 (7.92)	541 (4.20)	548 (4.45)	537 (3.80)	473 (10.47)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	412 (7.17)	416 (4.66)	433 (5.21)	437 (5.49)	416 (3.44)	352 (5.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	476 (6.49)	497 (4.61)	527 (3.96)	549 (3.06)	526 (4.65)	425 (13.22)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	474 (6.39)	491 (4.26)	516 (4.54)	518 (3.95)	488 (4.48)	449 (7.50)
PRT	96857	0.82	96058	459 (7.53)	465 (6.21)	486 (4.14)	489 (4.50)	455 (3.68)	401 (7.70)
SVK	77067	3.71	74208	487 (6.94)	506 (4.77)	529 (4.07)	536 (4.42)	490 (3.90)	427 (6.92)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	461 (13.81)	476 (7.60)	510 (4.59)	524 (4.12)	508 (3.17)	420 (14.99)
CHE	86491	0.48	86079	497 (8.48)	512 (6.16)	529 (5.33)	531 (4.50)	496 (4.27)	418 (10.02)
TUR	481279	13.78	414937	415 (7.91)	426 (8.26)	462 (13.12)	481 (9.44)	449 (7.96)	413 (5.23)
GBR	698579	91.67	58206	477 (8.50)	497 (4.36)	519 (4.72)	538 (4.75)	518 (4.09)	. (.)
USA	3147089	2.76	3060301	461 (7.21)	471 (4.53)	504 (3.69)	515 (3.57)	495 (4.15)	405 (9.55)
TOT	.	19.75	.	462 (3.75)	478 (2.15)	510 (1.59)	526 (1.68)	499 (1.73)	431 (3.60)
AVG	.	22.10	.	472 (1.89)	489 (1.17)	516 (0.92)	526 (0.97)	499 (0.91)	426 (2.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	477 (9.12)	492 (7.26)	506 (5.37)	505 (4.44)	479 (4.72)	446 (5.85)
LIE	338	0.30	337	. (.)	503 (13.95)	549 (10.90)	527 (10.42)	510 (12.08)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	495 (8.75)	497 (5.95)	515 (4.70)	520 (5.51)	484 (5.53)	456 (6.48)
YUG	68596	1.92	67278	416 (8.12)	440 (5.80)	457 (5.47)	464 (5.29)	442 (3.56)	398 (5.30)
THA	637076	5.83	599963	425 (9.90)	428 (4.27)	446 (4.21)	452 (4.61)	421 (3.08)	390 (11.07)
TUN	150875	33.84	99822	384 (8.31)	398 (6.70)	396 (7.72)	412 (7.44)	406 (4.54)	358 (5.07)
URY	33775	3.82	32486	423 (6.50)	449 (4.70)	467 (6.42)	471 (5.86)	444 (3.96)	378 (5.79)

ICT Questionnaire – Question 5

Q5 How often do you use:
spreadsheets (e.g. <Lotus 1 2 3 ® or Microsoft Excel®>)?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	496 (6.55)	518 (3.40)	541 (2.59)	547 (2.36)	521 (2.72)	441 (8.96)
AUT	85931	1.17	84927	491 (7.10)	502 (4.42)	518 (3.96)	517 (3.94)	504 (4.05)	402 (13.96)
BEL	111831	2.30	109260	496 (7.87)	521 (4.40)	558 (3.00)	561 (2.90)	515 (3.16)	415 (10.53)
CAN	330436	10.12	296990	505 (5.99)	528 (3.63)	540 (2.34)	548 (2.24)	528 (2.31)	494 (5.86)
CZE	121183	4.27	116013	520 (7.18)	538 (3.70)	540 (3.42)	539 (4.22)	497 (4.18)	443 (7.46)
DNK	51741	0.70	51378	497 (9.10)	512 (4.69)	524 (3.01)	532 (3.10)	512 (3.23)	433 (10.33)
FIN	57884	0.07	57845	526 (12.32)	551 (6.08)	557 (4.02)	556 (2.79)	543 (2.32)	488 (9.03)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	495 (8.75)	510 (5.51)	532 (4.68)	543 (3.34)	513 (4.00)	434 (10.10)
GRC	105131	2.07	102960	429 (7.75)	439 (5.68)	461 (5.51)	468 (5.17)	448 (4.13)	392 (9.17)
HUN	107044	0.17	106867	489 (8.63)	501 (3.68)	523 (3.97)	520 (4.97)	479 (4.35)	410 (10.45)
ISL	3928	0.69	3901	454 (9.11)	493 (4.74)	511 (3.41)	516 (2.54)	504 (3.06)	403 (15.68)
IRL	54850	1.31	54133	470 (7.91)	486 (4.01)	507 (3.43)	517 (3.70)	498 (2.99)	428 (6.71)
ITA	481521	1.93	472204	446 (6.82)	475 (4.41)	492 (3.99)	495 (4.39)	468 (3.77)	400 (7.47)
JPN	1240054	1.42	1222475	540 (21.80)	552 (6.29)	562 (8.75)	580 (5.58)	538 (4.72)	519 (6.18)
KOR	533504	0.31	531834	510 (10.99)	544 (6.22)	549 (4.05)	558 (3.83)	551 (3.30)	500 (8.17)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	398 (8.63)	399 (5.31)	423 (6.06)	422 (5.81)	395 (4.99)	319 (5.98)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.24	47063	498 (5.82)	517 (4.35)	540 (3.45)	558 (2.74)	532 (3.80)	451 (14.18)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	467 (5.05)	483 (4.08)	505 (4.30)	503 (3.46)	476 (4.08)	439 (7.74)
PRT	96857	0.82	96058	453 (7.77)	468 (6.39)	489 (4.33)	492 (4.20)	456 (4.41)	402 (9.17)
SVK	77067	3.71	74208	493 (7.35)	505 (4.50)	527 (3.57)	530 (3.34)	483 (3.83)	425 (6.01)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	463 (13.78)	481 (6.48)	515 (3.90)	525 (3.20)	509 (2.77)	442 (13.06)
CHE	86491	0.48	86079	511 (7.28)	522 (5.39)	534 (4.74)	538 (3.79)	506 (3.20)	426 (10.86)
TUR	481279	13.78	414937	389 (11.41)	404 (8.49)	435 (13.39)	453 (8.99)	425 (7.70)	380 (6.14)
GBR	698579	91.67	58206	492 (7.33)	510 (3.87)	532 (4.16)	549 (3.99)	529 (3.65)	. (.)
USA	3147089	2.76	3060301	448 (6.48)	459 (5.19)	492 (3.75)	502 (3.37)	479 (3.74)	385 (9.14)
TOT	.	19.75	.	453 (3.40)	471 (2.37)	504 (1.71)	520 (1.68)	493 (1.64)	415 (4.18)
AVG	.	22.10	.	470 (1.81)	489 (1.29)	518 (0.89)	528 (0.86)	499 (0.97)	419 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	478 (9.11)	485 (6.46)	500 (6.00)	501 (4.96)	469 (4.14)	443 (5.62)
LIE	338	0.30	337	. (.)	509 (13.38)	548 (8.95)	533 (8.83)	525 (13.01)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	485 (9.28)	495 (5.89)	506 (5.25)	517 (4.97)	472 (6.05)	438 (7.11)
YUG	68596	1.92	67278	410 (6.71)	426 (5.02)	445 (5.92)	451 (5.12)	425 (3.36)	373 (5.41)
THA	637076	5.83	599963	432 (12.66)	426 (4.50)	444 (4.63)	449 (4.41)	415 (2.99)	379 (11.19)
TUN	150875	33.84	99822	344 (8.51)	366 (6.18)	354 (6.96)	366 (6.20)	367 (3.61)	320 (3.77)
URY	33775	3.82	32486	397 (7.64)	425 (5.33)	449 (6.94)	449 (5.87)	415 (4.23)	334 (5.80)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to download software (including games)?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	19.94 (0.57)	25.73 (0.45)	20.04 (0.43)	14.54 (0.47)	17.47 (0.47)	2.28 (0.22)
AUT	85931	1.17	84927	19.06 (0.73)	18.66 (0.66)	18.44 (0.80)	14.62 (0.72)	27.44 (0.82)	1.77 (0.26)
BEL	111831	2.30	109260	21.32 (0.56)	20.45 (0.39)	14.90 (0.41)	11.05 (0.39)	27.34 (0.64)	4.94 (0.50)
CAN	330436	10.12	296990	30.99 (0.56)	24.50 (0.45)	16.81 (0.35)	11.26 (0.36)	12.62 (0.36)	3.81 (0.19)
CZE	121183	4.27	116013	9.90 (0.56)	15.52 (0.71)	19.38 (0.63)	16.78 (0.62)	32.08 (0.98)	6.34 (0.54)
DNK	51741	0.70	51378	18.05 (0.73)	19.25 (0.70)	13.43 (0.58)	11.31 (0.57)	35.08 (0.75)	2.87 (0.33)
FIN	57884	0.07	57845	13.92 (0.54)	15.53 (0.56)	15.52 (0.50)	17.33 (0.54)	35.28 (0.65)	2.42 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	19.13 (0.73)	16.31 (0.62)	13.23 (0.54)	11.76 (0.43)	35.01 (0.78)	4.56 (0.45)
GRC	105131	2.07	102960	18.18 (0.72)	26.66 (0.76)	17.51 (0.69)	14.40 (0.60)	19.87 (0.73)	3.37 (0.35)
HUN	107044	0.17	106867	7.28 (0.41)	15.86 (0.61)	14.08 (0.58)	16.16 (0.60)	43.06 (0.85)	3.56 (0.37)
ISL	3928	0.69	3901	21.58 (0.66)	20.57 (0.59)	19.28 (0.66)	15.65 (0.62)	21.76 (0.70)	1.16 (0.19)
IRL	54850	1.31	54133	7.46 (0.45)	15.56 (0.64)	16.81 (0.61)	16.65 (0.63)	38.60 (0.83)	4.92 (0.42)
ITA	481521	1.93	472204	17.72 (0.57)	23.58 (0.69)	13.48 (0.43)	11.13 (0.40)	28.96 (0.91)	5.14 (0.41)
JPN	1240054	1.42	1222475	2.81 (0.28)	5.22 (0.39)	9.36 (0.43)	16.41 (0.56)	53.08 (1.00)	13.12 (0.69)
KOR	533504	0.31	531834	16.24 (0.83)	29.98 (0.87)	22.86 (0.74)	15.13 (0.71)	13.17 (0.77)	2.62 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	11.02 (0.71)	19.11 (0.65)	12.23 (0.49)	11.13 (0.49)	30.75 (1.18)	15.75 (1.37)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.29	47039	21.36 (0.83)	25.38 (0.79)	19.17 (0.61)	15.09 (0.56)	18.15 (0.63)	0.85 (0.15)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	13.99 (0.61)	16.70 (0.68)	16.48 (0.68)	14.64 (0.52)	33.61 (0.89)	4.58 (0.40)
PRT	96857	0.82	96058	17.29 (0.78)	22.27 (0.67)	14.73 (0.54)	13.10 (0.55)	28.46 (0.82)	4.16 (0.36)
SVK	77067	3.71	74208	5.24 (0.36)	10.80 (0.40)	14.21 (0.46)	12.93 (0.44)	42.71 (0.77)	14.12 (0.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	23.12 (0.70)	19.96 (0.65)	15.54 (0.49)	12.20 (0.50)	26.10 (0.73)	3.08 (0.27)
CHE	86491	0.48	86079	17.91 (0.74)	17.80 (0.57)	14.90 (0.60)	14.02 (0.46)	33.03 (0.74)	2.35 (0.19)
TUR	481279	13.78	414937	10.82 (0.56)	20.38 (0.79)	12.65 (0.58)	10.87 (0.56)	23.25 (0.96)	22.02 (1.44)
GBR	698579	91.67	58206	25.09 (1.05)	23.74 (0.82)	19.43 (0.76)	12.37 (0.60)	18.77 (0.81)	0.60 (.)
USA	3147089	2.76	3060301	27.79 (0.72)	22.71 (0.70)	18.73 (0.61)	12.75 (0.62)	15.36 (0.63)	2.65 (0.23)
TOT	.	19.75	.	18.17 (0.26)	19.32 (0.25)	15.71 (0.20)	13.20 (0.23)	26.95 (0.29)	6.66 (0.18)
AVG	.	22.11	.	16.37 (0.12)	19.53 (0.12)	16.04 (0.11)	13.82 (0.11)	28.88 (0.16)	5.36 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	9.23 (0.56)	16.93 (0.92)	14.38 (0.68)	14.92 (0.60)	37.57 (1.53)	6.98 (0.56)
LIE	338	0.30	337	27.24 (2.45)	22.88 (2.34)	12.38 (1.91)	12.09 (1.75)	21.44 (2.23)	3.97 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	7.56 (0.64)	11.64 (0.59)	10.76 (0.60)	8.61 (0.44)	48.10 (1.12)	13.33 (0.99)
YUG	68596	1.92	67278	10.47 (0.48)	12.24 (0.54)	10.18 (0.52)	7.92 (0.47)	43.08 (1.15)	16.11 (1.12)
THA	637076	5.83	599963	6.20 (0.46)	18.53 (0.85)	16.24 (0.62)	15.39 (0.61)	41.82 (1.37)	1.83 (0.29)
TUN	150875	33.84	99822	6.90 (0.55)	14.84 (0.73)	12.04 (0.62)	12.40 (0.65)	27.89 (1.22)	25.93 (1.38)
URY	33775	3.82	32486	11.11 (0.58)	17.12 (0.66)	10.23 (0.58)	11.37 (0.51)	35.99 (1.08)	14.18 (0.95)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to download software (including games)?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	513 (3.04)	520 (2.91)	538 (3.49)	551 (3.13)	533 (3.10)	404 (9.01)
AUT	85931	1.17	84927	484 (5.13)	489 (4.65)	496 (6.24)	506 (3.98)	500 (4.75)	401 (13.70)
BEL	111831	2.30	109260	511 (3.55)	519 (3.91)	529 (4.12)	538 (4.44)	509 (3.64)	378 (13.47)
CAN	330436	10.12	296990	527 (2.04)	529 (2.27)	543 (2.56)	544 (3.29)	531 (3.17)	507 (6.29)
CZE	121183	4.27	116013	488 (5.47)	499 (3.95)	510 (3.94)	510 (3.96)	496 (3.62)	423 (8.37)
DNK	51741	0.70	51378	479 (4.28)	487 (4.10)	496 (4.65)	515 (5.19)	503 (2.78)	390 (13.01)
FIN	57884	0.07	57845	526 (3.39)	534 (3.05)	543 (3.07)	550 (3.31)	555 (2.33)	491 (9.36)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	494 (4.63)	495 (5.31)	505 (5.48)	523 (5.20)	512 (3.77)	403 (10.79)
GRC	105131	2.07	102960	472 (5.00)	469 (5.16)	483 (5.76)	476 (5.80)	477 (5.64)	422 (12.91)
HUN	107044	0.17	106867	476 (6.87)	478 (4.06)	486 (4.76)	493 (4.33)	486 (3.03)	398 (11.07)
ISL	3928	0.69	3901	469 (3.48)	484 (3.88)	507 (3.76)	510 (4.32)	505 (3.51)	353 (21.25)
IRL	54850	1.31	54133	497 (5.99)	504 (4.33)	525 (3.89)	531 (3.71)	521 (3.36)	444 (8.29)
ITA	481521	1.93	472204	466 (4.19)	474 (3.93)	495 (5.39)	502 (4.14)	483 (3.95)	404 (8.82)
JPN	1240054	1.42	1222475	513 (10.96)	508 (8.62)	514 (6.49)	515 (5.54)	499 (4.15)	463 (6.45)
KOR	533504	0.31	531834	513 (4.71)	532 (3.19)	542 (3.68)	557 (4.59)	540 (4.97)	469 (10.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	435 (5.73)	413 (5.08)	430 (5.24)	434 (4.83)	418 (4.07)	327 (6.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.29	47039	509 (3.72)	516 (4.32)	532 (4.51)	545 (4.98)	540 (3.83)	401 (20.11)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	490 (4.61)	485 (4.55)	504 (4.42)	511 (4.35)	507 (3.76)	445 (8.13)
PRT	96857	0.82	96058	489 (5.78)	470 (6.24)	481 (5.12)	487 (5.33)	481 (4.08)	420 (8.42)
SVK	77067	3.71	74208	469 (6.89)	471 (6.18)	485 (4.52)	501 (4.35)	482 (3.21)	409 (5.58)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (3.55)	511 (3.92)	530 (4.04)	534 (4.66)	525 (3.57)	418 (16.17)
CHE	86491	0.48	86079	492 (4.54)	492 (5.62)	504 (4.38)	517 (4.57)	503 (3.94)	414 (12.39)
TUR	481279	13.78	414937	436 (8.82)	454 (8.06)	464 (9.85)	460 (8.14)	449 (6.65)	419 (5.70)
GBR	698579	91.67	58206	502 (4.25)	508 (4.49)	525 (4.42)	537 (5.24)	526 (4.69)	. (.)
USA	3147089	2.76	3060301	491 (4.05)	489 (3.86)	517 (4.44)	516 (5.13)	501 (4.89)	420 (11.23)
TOT	.	19.75	.	490 (2.14)	487 (1.90)	508 (2.04)	511 (2.05)	492 (1.88)	411 (3.91)
AVG	.	22.11	.	492 (0.90)	494 (1.13)	510 (1.05)	515 (1.10)	501 (1.06)	414 (2.47)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	481 (6.44)	479 (5.23)	489 (6.68)	498 (6.71)	503 (3.86)	456 (6.19)
LIE	338	0.30	337	522 (7.76)	529 (11.00)	533 (18.24)	539 (14.90)	522 (9.99)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	452 (6.90)	440 (7.88)	462 (6.51)	459 (5.60)	448 (4.26)	409 (5.88)
YUG	68596	1.92	67278	411 (5.55)	424 (5.04)	438 (5.64)	425 (6.56)	419 (3.60)	367 (5.60)
THA	637076	5.83	599963	440 (5.96)	426 (4.47)	430 (4.95)	429 (4.47)	414 (3.07)	383 (9.52)
TUN	150875	33.84	99822	381 (9.13)	387 (7.49)	384 (7.28)	390 (7.37)	403 (5.27)	345 (5.63)
URY	33775	3.82	32486	448 (7.59)	452 (5.92)	459 (7.26)	454 (7.72)	442 (3.79)	362 (6.57)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to download software (including games)?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	519 (2.81)	521 (2.78)	535 (3.50)	545 (2.96)	521 (2.53)	425 (8.59)
AUT	85931	1.17	84927	507 (4.95)	509 (4.06)	513 (4.98)	516 (3.86)	504 (4.13)	424 (13.87)
BEL	111831	2.30	109260	540 (3.80)	544 (3.78)	554 (3.50)	554 (4.05)	523 (3.17)	412 (10.97)
CAN	330436	10.12	296990	536 (2.10)	536 (2.41)	547 (2.79)	541 (3.11)	525 (3.29)	512 (5.78)
CZE	121183	4.27	116013	528 (6.05)	536 (4.24)	540 (4.13)	531 (4.12)	515 (3.89)	440 (6.88)
DNK	51741	0.70	51378	514 (4.35)	517 (3.66)	521 (4.86)	534 (5.65)	512 (3.39)	426 (12.33)
FIN	57884	0.07	57845	549 (3.81)	547 (3.60)	551 (3.15)	546 (3.80)	541 (2.46)	496 (8.21)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	516 (4.84)	510 (4.72)	513 (5.90)	528 (5.18)	513 (3.71)	434 (9.65)
GRC	105131	2.07	102960	450 (5.30)	447 (5.05)	457 (5.60)	448 (5.36)	440 (4.48)	393 (8.84)
HUN	107044	0.17	106867	499 (6.76)	490 (4.75)	498 (4.96)	504 (4.29)	489 (3.16)	397 (9.01)
ISL	3928	0.69	3901	505 (3.33)	515 (3.67)	529 (3.49)	527 (4.24)	511 (3.53)	412 (18.67)
IRL	54850	1.31	54133	494 (6.05)	498 (4.38)	514 (4.00)	516 (3.92)	504 (3.12)	442 (7.30)
ITA	481521	1.93	472204	472 (4.44)	464 (4.81)	484 (5.03)	485 (4.28)	464 (3.51)	403 (6.12)
JPN	1240054	1.42	1222475	545 (11.47)	541 (9.54)	549 (6.61)	554 (4.97)	531 (4.13)	511 (6.12)
KOR	533504	0.31	531834	523 (5.16)	544 (3.51)	554 (3.92)	560 (5.55)	531 (5.62)	486 (9.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	421 (5.52)	397 (4.68)	412 (4.95)	417 (5.07)	398 (3.88)	321 (5.93)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.29	47039	513 (3.66)	521 (3.46)	535 (3.87)	546 (4.57)	530 (3.81)	405 (17.02)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	495 (4.50)	484 (4.23)	504 (4.58)	499 (4.48)	491 (3.12)	443 (6.97)
PRT	96857	0.82	96058	488 (5.27)	466 (5.61)	471 (4.61)	468 (4.93)	460 (3.37)	406 (7.03)
SVK	77067	3.71	74208	512 (5.82)	508 (6.35)	522 (4.44)	530 (3.74)	505 (2.86)	437 (6.39)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	502 (3.41)	511 (4.23)	528 (4.12)	523 (4.64)	507 (3.84)	431 (13.97)
CHE	86491	0.48	86079	536 (4.59)	525 (5.79)	534 (4.62)	542 (4.78)	519 (3.88)	437 (11.01)
TUR	481279	13.78	414937	423 (9.74)	446 (10.49)	451 (10.73)	448 (9.65)	433 (7.43)	395 (6.03)
GBR	698579	91.67	58206	515 (4.03)	519 (3.91)	533 (4.40)	540 (4.58)	527 (4.26)	. (.)
USA	3147089	2.76	3060301	484 (3.79)	479 (3.67)	502 (4.43)	499 (4.28)	479 (4.23)	399 (8.12)
TOT	.	19.75	.	491 (1.97)	486 (1.73)	506 (1.96)	509 (1.90)	491 (1.76)	418 (3.95)
AVG	.	22.11	.	505 (0.92)	502 (1.09)	516 (1.07)	518 (1.01)	499 (1.01)	422 (2.42)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	485 (6.45)	480 (5.17)	490 (5.49)	493 (6.75)	487 (4.09)	443 (5.25)
LIE	338	0.30	337	540 (9.05)	544 (12.94)	544 (17.69)	544 (14.40)	516 (12.26)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	485 (6.88)	469 (8.57)	487 (7.08)	482 (7.08)	474 (4.43)	437 (5.28)
YUG	68596	1.92	67278	439 (6.17)	449 (5.58)	466 (5.68)	451 (6.87)	443 (3.61)	391 (5.50)
THA	637076	5.83	599963	442 (7.00)	425 (4.80)	432 (4.74)	425 (3.89)	409 (3.39)	379 (10.60)
TUN	150875	33.84	99822	372 (7.97)	373 (6.76)	372 (5.29)	379 (6.35)	386 (4.59)	335 (4.33)
URY	33775	3.82	32486	439 (6.21)	439 (5.86)	447 (6.06)	445 (5.15)	427 (3.62)	358 (4.69)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to download software (including games)?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	519 (3.29)	521 (3.16)	536 (3.63)	548 (3.03)	524 (2.98)	422 (9.36)
AUT	85931	1.17	84927	493 (5.01)	493 (4.43)	497 (5.86)	500 (4.04)	491 (4.39)	412 (13.34)
BEL	111831	2.30	109260	517 (3.70)	523 (3.95)	529 (3.85)	533 (4.59)	503 (3.48)	394 (11.67)
CAN	330436	10.12	296990	522 (2.24)	522 (2.81)	533 (3.15)	530 (4.06)	515 (3.27)	501 (6.66)
CZE	121183	4.27	116013	528 (6.03)	539 (4.13)	545 (4.19)	539 (4.58)	524 (3.90)	448 (6.74)
DNK	51741	0.70	51378	479 (4.66)	481 (4.49)	480 (4.84)	493 (6.55)	473 (3.40)	365 (13.64)
FIN	57884	0.07	57845	551 (4.08)	549 (3.59)	553 (3.60)	551 (4.18)	548 (2.65)	491 (10.55)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	515 (4.98)	510 (5.54)	513 (6.46)	530 (5.84)	515 (3.98)	421 (10.04)
GRC	105131	2.07	102960	487 (5.48)	481 (4.92)	487 (5.77)	482 (5.51)	481 (5.20)	443 (10.36)
HUN	107044	0.17	106867	504 (7.27)	506 (4.71)	511 (5.17)	515 (4.58)	503 (3.09)	411 (10.43)
ISL	3928	0.69	3901	488 (3.72)	492 (3.87)	507 (3.93)	505 (4.51)	492 (3.79)	408 (18.86)
IRL	54850	1.31	54133	498 (6.68)	499 (4.78)	519 (4.35)	519 (4.05)	505 (3.63)	442 (7.55)
ITA	481521	1.93	472204	492 (4.68)	486 (4.38)	506 (4.87)	509 (4.35)	486 (4.28)	408 (8.02)
JPN	1240054	1.42	1222475	568 (11.96)	558 (9.42)	566 (7.34)	564 (5.42)	544 (4.45)	527 (6.58)
KOR	533504	0.31	531834	522 (5.79)	541 (3.91)	549 (4.58)	557 (5.80)	526 (5.98)	474 (10.54)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (4.55)	416 (4.24)	426 (5.48)	429 (5.50)	417 (3.53)	351 (4.73)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.29	47039	511 (4.21)	517 (4.05)	534 (4.28)	542 (5.16)	528 (4.54)	408 (16.85)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	499 (5.71)	492 (5.12)	511 (5.18)	509 (4.84)	499 (3.80)	454 (7.42)
PRT	96857	0.82	96058	488 (5.83)	467 (5.72)	473 (5.25)	472 (5.60)	462 (3.79)	407 (7.67)
SVK	77067	3.71	74208	511 (6.65)	508 (6.98)	519 (4.90)	525 (4.42)	504 (2.99)	430 (6.83)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	497 (3.54)	507 (4.71)	525 (4.77)	521 (5.66)	508 (4.20)	419 (15.90)
CHE	86491	0.48	86079	516 (4.65)	510 (6.19)	521 (5.07)	533 (4.96)	509 (4.80)	417 (10.89)
TUR	481279	13.78	414937	434 (8.56)	451 (8.92)	459 (9.42)	453 (8.88)	438 (6.88)	414 (5.49)
GBR	698579	91.67	58206	506 (4.77)	507 (4.79)	523 (5.21)	529 (6.29)	518 (4.82)	. (.)
USA	3147089	2.76	3060301	491 (4.41)	487 (3.78)	510 (4.68)	509 (5.23)	491 (4.61)	406 (10.61)
TOT	.	19.75	.	496 (2.32)	492 (1.76)	512 (2.08)	516 (2.17)	500 (1.80)	432 (3.64)
AVG	.	22.11	.	502 (1.03)	501 (1.08)	515 (1.15)	518 (1.12)	501 (1.02)	428 (2.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	487 (7.31)	485 (5.57)	496 (5.83)	495 (5.99)	496 (4.19)	445 (5.56)
LIE	338	0.30	337	526 (10.22)	536 (13.76)	529 (20.83)	536 (19.49)	512 (10.52)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	504 (7.10)	486 (8.53)	507 (7.77)	502 (7.08)	496 (4.51)	457 (6.02)
YUG	68596	1.92	67278	433 (5.66)	449 (5.07)	467 (6.00)	449 (7.34)	441 (3.31)	397 (5.33)
THA	637076	5.83	599963	455 (6.43)	439 (4.66)	440 (4.58)	437 (4.35)	421 (3.21)	396 (9.06)
TUN	150875	33.84	99822	388 (8.04)	395 (6.43)	397 (6.35)	403 (6.89)	413 (4.69)	355 (4.88)
URY	33775	3.82	32486	450 (7.15)	455 (5.22)	462 (6.41)	457 (6.32)	444 (3.97)	379 (5.76)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to download software (including games)?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	523 (2.63)	526 (2.74)	540 (3.20)	550 (2.62)	529 (3.02)	435 (8.52)
AUT	85931	1.17	84927	505 (4.63)	509 (4.47)	513 (5.10)	518 (3.76)	505 (3.91)	423 (12.21)
BEL	111831	2.30	109260	533 (3.76)	539 (3.73)	547 (3.42)	549 (4.22)	519 (2.93)	416 (10.89)
CAN	330436	10.12	296990	534 (2.09)	534 (2.30)	544 (2.74)	540 (3.40)	523 (3.16)	506 (6.41)
CZE	121183	4.27	116013	527 (6.23)	536 (3.90)	541 (4.24)	532 (4.02)	515 (3.80)	441 (7.10)
DNK	51741	0.70	51378	515 (3.73)	519 (3.72)	521 (4.48)	535 (5.46)	517 (2.94)	431 (13.03)
FIN	57884	0.07	57845	549 (3.42)	549 (3.15)	552 (3.22)	551 (3.57)	547 (2.58)	492 (8.85)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (4.65)	517 (5.15)	523 (5.22)	536 (4.84)	524 (3.52)	438 (9.73)
GRC	105131	2.07	102960	451 (5.42)	447 (5.19)	459 (5.83)	455 (5.70)	448 (4.74)	400 (9.20)
HUN	107044	0.17	106867	502 (6.48)	499 (4.87)	507 (5.25)	516 (4.17)	502 (3.32)	405 (9.20)
ISL	3928	0.69	3901	496 (3.19)	503 (3.55)	517 (3.50)	515 (4.35)	504 (3.58)	401 (18.91)
IRL	54850	1.31	54133	491 (5.81)	495 (4.04)	510 (3.58)	511 (3.66)	499 (3.08)	434 (6.74)
ITA	481521	1.93	472204	472 (4.49)	469 (4.43)	489 (5.32)	493 (4.01)	470 (4.05)	399 (8.24)
JPN	1240054	1.42	1222475	555 (9.95)	559 (10.08)	563 (7.32)	564 (5.51)	546 (4.11)	519 (6.35)
KOR	533504	0.31	531834	531 (4.80)	551 (3.54)	561 (3.97)	569 (5.01)	543 (5.07)	503 (8.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	426 (6.03)	397 (5.34)	414 (5.69)	418 (5.40)	396 (4.98)	317 (5.83)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.29	47039	524 (3.46)	531 (3.55)	544 (3.98)	553 (4.84)	540 (3.83)	420 (20.04)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	491 (5.22)	479 (4.48)	498 (4.66)	497 (4.29)	488 (3.33)	444 (7.12)
PRT	96857	0.82	96058	492 (5.76)	468 (6.28)	473 (5.22)	474 (5.68)	466 (3.71)	404 (9.42)
SVK	77067	3.71	74208	509 (5.72)	502 (6.55)	516 (4.57)	526 (3.87)	498 (3.17)	428 (5.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	500 (3.26)	510 (3.92)	525 (3.79)	523 (4.84)	509 (3.65)	444 (13.79)
CHE	86491	0.48	86079	528 (4.08)	518 (5.02)	528 (4.36)	537 (5.13)	518 (3.69)	420 (10.59)
TUR	481279	13.78	414937	412 (9.14)	428 (9.19)	431 (9.48)	429 (8.76)	413 (6.79)	381 (5.78)
GBR	698579	91.67	58206	515 (4.19)	521 (4.30)	534 (4.28)	543 (4.33)	531 (4.74)	. (.)
USA	3147089	2.76	3060301	477 (4.01)	472 (3.78)	498 (4.58)	497 (4.50)	477 (4.86)	384 (9.42)
TOT	.	19.75	.	488 (2.09)	484 (1.84)	506 (2.07)	511 (1.99)	495 (1.92)	416 (4.20)
AVG	.	22.11	.	504 (0.92)	501 (1.11)	516 (1.09)	519 (1.09)	502 (1.05)	420 (2.56)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	487 (7.16)	478 (5.78)	490 (6.99)	492 (6.64)	486 (4.76)	438 (5.86)
LIE	338	0.30	337	531 (8.53)	535 (11.49)	537 (17.26)	537 (15.96)	521 (11.57)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	497 (7.00)	481 (10.14)	504 (8.38)	498 (6.31)	485 (4.65)	439 (6.62)
YUG	68596	1.92	67278	422 (5.84)	432 (5.28)	450 (5.21)	432 (7.01)	427 (3.25)	372 (5.72)
THA	637076	5.83	599963	456 (7.09)	435 (4.71)	440 (4.46)	434 (4.05)	416 (2.93)	386 (11.48)
TUN	150875	33.84	99822	357 (7.73)	356 (6.22)	358 (5.23)	361 (6.59)	370 (4.24)	319 (3.74)
URY	33775	3.82	32486	429 (7.53)	426 (6.91)	437 (7.40)	432 (7.18)	420 (3.86)	336 (6.18)

ICT Questionnaire – Question 5

Q5 How often do you use:
drawing, painting or graphics programs on a computer?

Percentage of students, by response category.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	9.59 (0.29)	21.84 (0.44)	25.96 (0.39)	22.79 (0.50)	17.58 (0.42)	2.24 (0.22)
AUT	85931	1.17	84927	9.19 (0.45)	18.09 (0.62)	26.47 (0.67)	24.70 (0.72)	19.95 (0.77)	1.59 (0.28)
BEL	111831	2.30	109260	6.16 (0.35)	11.97 (0.45)	17.10 (0.56)	20.78 (0.49)	39.06 (0.72)	4.93 (0.50)
CAN	330436	10.12	296990	15.04 (0.39)	18.51 (0.39)	22.39 (0.36)	20.94 (0.44)	20.24 (0.44)	2.88 (0.15)
CZE	121183	4.27	116013	8.54 (0.48)	17.69 (0.61)	27.43 (0.84)	24.57 (0.71)	15.70 (0.74)	6.06 (0.53)
DNK	51741	0.70	51378	7.97 (0.53)	13.06 (0.61)	18.06 (0.68)	20.83 (0.70)	36.88 (0.94)	3.21 (0.31)
FIN	57884	0.07	57845	5.98 (0.36)	12.02 (0.48)	19.97 (0.61)	32.97 (0.66)	26.55 (0.72)	2.51 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	7.56 (0.58)	15.26 (0.54)	21.07 (0.57)	24.39 (0.84)	27.31 (0.79)	4.40 (0.44)
GRC	105131	2.07	102960	13.81 (0.58)	29.39 (0.63)	23.30 (0.65)	19.14 (0.82)	11.32 (0.57)	3.04 (0.34)
HUN	107044	0.17	106867	6.66 (0.35)	22.01 (0.74)	25.09 (0.68)	25.30 (0.70)	17.60 (0.73)	3.34 (0.32)
ISL	3928	0.69	3901	8.27 (0.44)	14.82 (0.61)	24.11 (0.75)	24.75 (0.75)	26.70 (0.77)	1.35 (0.22)
IRL	54850	1.31	54133	7.03 (0.50)	18.21 (0.66)	23.80 (0.64)	22.31 (0.70)	24.39 (0.69)	4.25 (0.41)
ITA	481521	1.93	472204	12.25 (0.38)	26.90 (0.55)	18.10 (0.55)	16.10 (0.57)	21.51 (0.75)	5.14 (0.42)
JPN	1240054	1.42	1222475	1.97 (0.26)	5.64 (0.35)	12.14 (0.57)	31.19 (0.77)	35.89 (0.94)	13.16 (0.70)
KOR	533504	0.31	531834	3.93 (0.26)	10.60 (0.50)	19.77 (0.58)	26.79 (0.68)	36.15 (0.79)	2.76 (0.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	12.62 (0.66)	28.20 (0.79)	17.43 (0.62)	11.89 (0.56)	15.08 (0.68)	14.77 (1.35)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	10.79 (0.44)	21.55 (0.74)	25.44 (0.75)	22.40 (0.71)	19.08 (0.72)	0.75 (0.13)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	13.11 (0.56)	24.93 (0.75)	23.05 (0.71)	19.67 (0.63)	14.67 (0.65)	4.56 (0.38)
PRT	96857	0.82	96058	6.78 (0.37)	20.61 (0.66)	21.26 (0.83)	23.88 (0.75)	23.22 (0.63)	4.25 (0.36)
SVK	77067	3.71	74208	8.57 (0.46)	19.77 (0.63)	22.47 (0.66)	19.10 (0.62)	17.17 (0.60)	12.92 (0.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	8.27 (0.45)	15.68 (0.53)	21.01 (0.63)	24.84 (0.54)	27.34 (0.68)	2.86 (0.27)
CHE	86491	0.48	86079	6.79 (0.44)	14.65 (0.59)	20.97 (0.56)	25.18 (0.65)	30.20 (0.81)	2.21 (0.20)
TUR	481279	13.78	414937	10.72 (0.70)	24.90 (1.14)	14.90 (0.79)	12.77 (0.75)	15.92 (0.82)	20.79 (1.37)
GBR	698579	91.67	58206	10.84 (0.67)	25.41 (0.90)	27.53 (0.95)	19.90 (0.82)	15.86 (0.87)	0.47 (.)
USA	3147089	2.76	3060301	18.10 (0.56)	21.58 (0.70)	21.71 (0.49)	18.92 (0.62)	17.14 (0.55)	2.56 (0.20)
TOT	.	19.75	.	11.52 (0.21)	19.21 (0.27)	19.79 (0.20)	21.01 (0.27)	22.05 (0.25)	6.43 (0.18)
AVG	.	22.11	.	9.10 (0.10)	18.60 (0.13)	21.44 (0.13)	22.45 (0.15)	23.28 (0.15)	5.13 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	6.95 (0.47)	20.05 (1.00)	22.46 (0.94)	25.22 (0.96)	18.99 (0.85)	6.33 (0.54)
LIE	338	0.30	337	12.41 (1.84)	19.11 (2.22)	22.07 (1.81)	23.14 (2.24)	21.12 (2.27)	2.16 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	6.78 (0.53)	18.96 (0.96)	19.40 (0.62)	13.85 (0.57)	27.53 (0.76)	13.48 (0.91)
YUG	68596	1.92	67278	16.79 (0.58)	30.68 (0.94)	18.70 (0.75)	9.03 (0.47)	9.62 (0.53)	15.18 (1.09)
THA	637076	5.83	599963	5.92 (0.43)	32.19 (0.93)	25.98 (0.79)	23.37 (0.69)	11.25 (0.87)	1.29 (0.24)
TUN	150875	33.84	99822	8.07 (0.47)	16.56 (0.72)	14.28 (0.73)	12.38 (0.64)	20.87 (0.98)	27.84 (1.31)
URY	33775	3.82	32486	11.10 (0.48)	19.66 (0.66)	13.20 (0.58)	15.99 (0.74)	26.52 (0.82)	13.52 (0.95)

ICT Questionnaire – Question 5

Q5 How often do you use:
drawing, painting or graphics programs on a computer?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	503 (4.18)	514 (2.95)	533 (2.91)	547 (2.75)	532 (2.86)	401 (8.35)
AUT	85931	1.17	84927	466 (6.67)	485 (4.94)	500 (3.83)	509 (5.04)	494 (5.12)	381 (13.98)
BEL	111831	2.30	109260	478 (5.68)	492 (4.98)	525 (3.62)	542 (3.00)	517 (3.44)	372 (13.07)
CAN	330436	10.12	296990	519 (2.77)	529 (2.77)	542 (2.13)	541 (2.46)	529 (2.65)	495 (6.30)
CZE	121183	4.27	116013	476 (4.85)	497 (4.19)	508 (3.17)	517 (3.53)	480 (4.73)	424 (8.94)
DNK	51741	0.70	51378	480 (6.00)	478 (4.83)	497 (4.54)	514 (3.58)	495 (2.77)	392 (13.30)
FIN	57884	0.07	57845	527 (5.55)	535 (3.80)	544 (3.13)	553 (1.97)	544 (2.51)	493 (9.78)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	471 (8.04)	491 (4.05)	509 (5.27)	522 (4.49)	507 (4.28)	398 (11.04)
GRC	105131	2.07	102960	455 (5.75)	469 (5.30)	486 (5.60)	490 (5.25)	467 (6.13)	408 (14.14)
HUN	107044	0.17	106867	462 (6.48)	464 (3.72)	496 (3.45)	500 (3.73)	483 (4.68)	395 (11.68)
ISL	3928	0.69	3901	451 (6.23)	484 (4.60)	498 (3.59)	513 (3.42)	494 (3.23)	357 (17.69)
IRL	54850	1.31	54133	488 (6.17)	505 (3.87)	522 (3.70)	533 (3.56)	521 (3.49)	441 (8.88)
ITA	481521	1.93	472204	441 (4.88)	468 (4.14)	495 (3.48)	509 (3.62)	491 (3.41)	400 (8.91)
JPN	1240054	1.42	1222475	514 (11.34)	507 (9.59)	513 (6.80)	519 (4.00)	488 (4.73)	463 (6.27)
KOR	533504	0.31	531834	520 (6.33)	531 (4.67)	532 (3.96)	541 (3.53)	538 (3.54)	464 (10.45)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	414 (6.47)	417 (4.43)	435 (5.60)	433 (4.26)	414 (5.20)	327 (6.49)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	493 (5.58)	510 (3.63)	533 (4.24)	543 (3.59)	534 (4.31)	382 (23.46)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	483 (4.48)	491 (4.19)	514 (4.01)	514 (4.20)	494 (4.47)	441 (7.61)
PRT	96857	0.82	96058	450 (6.84)	458 (6.44)	494 (4.45)	495 (3.87)	482 (4.38)	419 (8.64)
SVK	77067	3.71	74208	464 (5.78)	471 (3.85)	492 (3.05)	503 (3.80)	471 (4.46)	405 (5.64)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	489 (5.42)	508 (4.70)	525 (3.83)	531 (3.68)	515 (4.14)	413 (16.85)
CHE	86491	0.48	86079	475 (8.24)	479 (5.78)	507 (4.08)	521 (4.04)	498 (4.04)	413 (11.14)
TUR	481279	13.78	414937	426 (7.67)	440 (6.92)	469 (10.76)	473 (8.93)	452 (8.54)	420 (5.50)
GBR	698579	91.67	58206	484 (6.76)	503 (4.19)	524 (3.30)	537 (4.03)	523 (5.31)	. (.)
USA	3147089	2.76	3060301	480 (4.55)	485 (4.26)	511 (4.03)	518 (4.78)	507 (4.76)	421 (10.95)
TOT	.	19.75	.	471 (2.59)	477 (2.16)	505 (1.72)	516 (1.72)	497 (1.98)	410 (3.89)
AVG	.	22.11	.	473 (1.31)	484 (1.19)	509 (0.91)	520 (0.86)	502 (1.00)	412 (2.58)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	476 (7.05)	481 (5.24)	502 (4.48)	504 (4.33)	489 (5.50)	455 (6.60)
LIE	338	0.30	337	518 (13.78)	494 (12.30)	527 (11.45)	548 (9.32)	535 (10.84)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	451 (6.41)	453 (5.54)	461 (4.64)	462 (5.17)	436 (5.27)	407 (5.44)
YUG	68596	1.92	67278	410 (4.50)	422 (3.72)	437 (4.97)	431 (6.43)	399 (5.22)	366 (5.61)
THA	637076	5.83	599963	415 (6.36)	412 (3.40)	429 (3.81)	438 (3.67)	412 (5.72)	377 (11.46)
TUN	150875	33.84	99822	374 (9.16)	393 (5.84)	387 (6.62)	398 (7.35)	397 (5.28)	349 (5.48)
URY	33775	3.82	32486	430 (6.91)	445 (5.07)	457 (6.09)	469 (5.19)	444 (4.85)	357 (6.57)

ICT Questionnaire – Question 5

Q5 How often do you use:
drawing, painting or graphics programs on a computer?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	511 (4.49)	515 (2.87)	533 (2.59)	543 (2.71)	523 (3.17)	423 (8.56)
AUT	85931	1.17	84927	487 (6.46)	507 (4.32)	515 (3.74)	517 (4.22)	503 (4.15)	409 (17.27)
BEL	111831	2.30	109260	508 (5.81)	515 (4.59)	552 (3.30)	564 (3.09)	535 (2.99)	409 (10.58)
CAN	330436	10.12	296990	526 (2.97)	534 (2.79)	546 (2.01)	544 (2.47)	532 (2.64)	505 (6.38)
CZE	121183	4.27	116013	516 (4.75)	527 (4.78)	536 (3.93)	541 (3.50)	501 (4.75)	441 (7.15)
DNK	51741	0.70	51378	512 (6.37)	508 (4.87)	524 (3.83)	536 (3.80)	508 (3.09)	428 (11.80)
FIN	57884	0.07	57845	545 (5.99)	543 (3.57)	547 (3.39)	551 (2.17)	539 (2.73)	499 (8.51)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	488 (7.96)	506 (3.77)	522 (5.24)	529 (4.24)	509 (4.38)	433 (9.57)
GRC	105131	2.07	102960	427 (5.32)	438 (4.66)	459 (4.69)	464 (5.14)	450 (6.50)	384 (9.82)
HUN	107044	0.17	106867	476 (6.41)	470 (3.75)	505 (3.55)	511 (4.15)	488 (4.67)	398 (9.52)
ISL	3928	0.69	3901	484 (6.04)	513 (4.31)	522 (3.31)	534 (3.30)	509 (2.82)	419 (17.64)
IRL	54850	1.31	54133	476 (5.77)	492 (4.17)	508 (3.48)	519 (3.52)	510 (3.18)	441 (7.43)
ITA	481521	1.93	472204	441 (4.71)	459 (3.71)	487 (4.03)	494 (3.64)	473 (3.92)	398 (6.71)
JPN	1240054	1.42	1222475	532 (11.34)	531 (8.38)	541 (7.18)	555 (4.28)	525 (4.75)	510 (5.83)
KOR	533504	0.31	531834	515 (6.33)	531 (5.18)	539 (4.17)	551 (3.89)	548 (3.73)	482 (9.82)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	395 (5.88)	400 (4.05)	415 (5.01)	415 (4.75)	399 (4.61)	322 (6.23)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	491 (5.00)	513 (3.46)	534 (3.57)	545 (3.40)	536 (4.13)	407 (18.86)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	483 (3.54)	488 (3.71)	508 (3.86)	502 (3.97)	481 (3.98)	442 (6.70)
PRT	96857	0.82	96058	443 (6.71)	452 (5.78)	483 (3.93)	480 (3.60)	468 (3.65)	408 (6.93)
SVK	77067	3.71	74208	497 (5.06)	502 (3.69)	523 (3.68)	527 (3.70)	499 (4.25)	433 (6.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	493 (5.61)	506 (4.59)	521 (3.44)	524 (3.74)	504 (3.99)	426 (15.10)
CHE	86491	0.48	86079	516 (6.99)	514 (6.19)	536 (4.42)	548 (4.38)	518 (3.65)	437 (10.63)
TUR	481279	13.78	414937	403 (8.73)	423 (7.60)	463 (12.08)	465 (11.08)	442 (9.70)	397 (5.88)
GBR	698579	91.67	58206	503 (5.69)	513 (4.19)	531 (3.27)	543 (4.24)	524 (5.14)	. (.)
USA	3147089	2.76	3060301	469 (4.22)	475 (3.99)	500 (4.29)	503 (4.10)	489 (4.12)	400 (8.65)
TOT	.	19.75	.	466 (2.46)	472 (1.98)	504 (1.78)	518 (1.53)	499 (1.80)	419 (3.96)
AVG	.	22.11	.	479 (1.35)	486 (1.06)	515 (0.91)	525 (0.83)	507 (0.94)	422 (2.39)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	475 (7.42)	477 (4.73)	498 (4.90)	494 (4.41)	479 (4.59)	444 (5.30)
LIE	338	0.30	337	533 (13.71)	503 (14.41)	541 (12.97)	561 (10.21)	533 (11.00)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	481 (7.66)	486 (5.11)	488 (5.99)	485 (4.98)	459 (5.54)	435 (4.87)
YUG	68596	1.92	67278	432 (5.50)	446 (3.97)	462 (4.83)	460 (6.10)	431 (5.61)	390 (5.40)
THA	637076	5.83	599963	408 (6.70)	408 (3.41)	428 (3.92)	437 (3.71)	412 (5.71)	370 (12.09)
TUN	150875	33.84	99822	364 (6.20)	381 (6.08)	379 (7.27)	385 (6.04)	380 (4.61)	337 (4.11)
URY	33775	3.82	32486	412 (4.84)	428 (5.17)	447 (4.65)	455 (5.62)	433 (3.82)	355 (4.80)

ICT Questionnaire – Question 5

Q5 How often do you use:
drawing, painting or graphics programs on a computer?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	510 (4.77)	516 (2.90)	533 (2.71)	544 (2.84)	524 (3.07)	422 (9.22)
AUT	85931	1.17	84927	471 (6.68)	492 (4.45)	500 (3.82)	503 (4.32)	489 (4.92)	396 (14.53)
BEL	111831	2.30	109260	487 (6.19)	496 (4.46)	527 (3.35)	541 (3.32)	515 (3.21)	389 (11.14)
CAN	330436	10.12	296990	510 (3.08)	521 (3.04)	533 (2.49)	531 (3.38)	520 (2.76)	488 (7.34)
CZE	121183	4.27	116013	518 (5.48)	533 (5.07)	541 (3.55)	547 (3.70)	508 (5.18)	449 (6.99)
DNK	51741	0.70	51378	480 (6.93)	472 (5.82)	487 (4.68)	498 (3.92)	468 (3.67)	366 (12.94)
FIN	57884	0.07	57845	552 (6.74)	547 (3.95)	553 (3.65)	555 (2.18)	541 (3.17)	495 (11.17)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	488 (8.86)	507 (4.61)	522 (5.69)	531 (4.50)	510 (4.55)	418 (10.24)
GRC	105131	2.07	102960	466 (5.46)	472 (4.62)	495 (5.31)	499 (4.94)	483 (6.69)	431 (12.85)
HUN	107044	0.17	106867	490 (6.97)	487 (4.37)	518 (3.84)	520 (3.96)	503 (4.57)	410 (11.53)
ISL	3928	0.69	3901	469 (5.93)	493 (4.82)	501 (3.32)	511 (3.34)	488 (3.07)	403 (16.28)
IRL	54850	1.31	54133	482 (6.29)	493 (4.09)	512 (4.65)	520 (3.92)	512 (3.76)	441 (7.84)
ITA	481521	1.93	472204	458 (5.41)	479 (4.19)	509 (4.11)	518 (3.78)	498 (3.94)	405 (8.60)
JPN	1240054	1.42	1222475	560 (12.17)	550 (8.92)	560 (7.35)	569 (4.65)	534 (4.99)	526 (6.25)
KOR	533504	0.31	531834	523 (8.26)	534 (5.86)	536 (4.73)	547 (4.21)	542 (4.09)	471 (10.80)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	415 (5.14)	416 (3.63)	432 (5.99)	431 (5.33)	417 (4.56)	352 (5.03)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	490 (5.39)	507 (3.64)	532 (3.88)	544 (3.79)	534 (4.66)	401 (17.67)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	491 (4.90)	495 (4.17)	514 (4.46)	510 (4.86)	489 (5.21)	451 (7.27)
PRT	96857	0.82	96058	448 (7.15)	453 (5.76)	485 (4.29)	484 (4.28)	468 (3.83)	406 (8.60)
SVK	77067	3.71	74208	493 (5.21)	501 (3.93)	520 (4.26)	528 (3.80)	498 (4.72)	426 (6.92)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	487 (6.08)	505 (5.17)	516 (4.51)	521 (4.32)	503 (4.51)	416 (17.00)
CHE	86491	0.48	86079	499 (8.49)	497 (7.54)	524 (4.67)	535 (4.95)	506 (4.09)	418 (11.25)
TUR	481279	13.78	414937	420 (6.98)	432 (6.89)	464 (11.79)	470 (9.85)	447 (8.41)	416 (5.05)
GBR	698579	91.67	58206	491 (6.90)	501 (4.87)	522 (3.88)	533 (5.15)	515 (6.03)	. (.)
USA	3147089	2.76	3060301	478 (4.51)	483 (4.44)	507 (4.24)	512 (4.75)	499 (4.82)	408 (10.18)
TOT	.	19.75	.	475 (2.48)	480 (2.06)	510 (1.81)	525 (1.72)	505 (1.94)	433 (3.64)
AVG	.	22.11	.	482 (1.28)	489 (1.05)	515 (0.95)	525 (0.85)	504 (0.98)	427 (2.32)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	483 (7.40)	484 (5.60)	502 (4.54)	500 (5.07)	485 (5.66)	443 (5.83)
LIE	338	0.30	337	519 (15.18)	496 (14.36)	531 (12.94)	549 (11.70)	522 (11.42)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	502 (7.55)	503 (5.76)	509 (5.58)	507 (6.09)	480 (5.08)	456 (5.63)
YUG	68596	1.92	67278	429 (4.88)	443 (3.62)	458 (4.48)	463 (7.19)	433 (5.14)	398 (5.28)
THA	637076	5.83	599963	423 (6.63)	422 (3.07)	437 (3.79)	446 (3.92)	424 (5.60)	393 (13.22)
TUN	150875	33.84	99822	390 (6.35)	402 (6.12)	400 (6.93)	408 (7.05)	406 (5.04)	359 (4.97)
URY	33775	3.82	32486	428 (6.52)	444 (4.97)	460 (6.20)	469 (5.11)	450 (3.91)	376 (5.90)

ICT Questionnaire – Question 5

Q5 How often do you use:
drawing, painting or graphics programs on a computer?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	516 (3.97)	520 (2.77)	538 (2.30)	548 (2.45)	529 (3.18)	432 (8.45)
AUT	85931	1.17	84927	488 (6.11)	506 (4.13)	515 (3.97)	518 (4.19)	504 (4.06)	410 (15.46)
BEL	111831	2.30	109260	503 (5.62)	512 (4.35)	545 (3.75)	558 (3.13)	530 (2.86)	413 (10.62)
CAN	330436	10.12	296990	524 (3.00)	532 (2.97)	544 (2.01)	542 (2.57)	529 (2.57)	494 (6.31)
CZE	121183	4.27	116013	517 (4.90)	528 (4.64)	536 (3.38)	540 (3.59)	500 (4.71)	442 (7.44)
DNK	51741	0.70	51378	516 (5.49)	509 (4.97)	526 (3.73)	537 (3.44)	512 (2.76)	435 (12.68)
FIN	57884	0.07	57845	552 (6.10)	549 (3.63)	550 (3.09)	555 (2.30)	540 (2.85)	495 (8.78)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	498 (7.83)	514 (3.93)	530 (4.80)	537 (4.34)	517 (3.95)	435 (9.57)
GRC	105131	2.07	102960	427 (5.83)	441 (4.56)	463 (5.29)	470 (5.18)	452 (5.58)	392 (10.07)
HUN	107044	0.17	106867	481 (5.98)	480 (3.62)	517 (3.62)	523 (4.26)	500 (4.91)	406 (9.57)
ISL	3928	0.69	3901	481 (5.45)	503 (4.23)	511 (3.06)	521 (2.98)	499 (2.97)	406 (15.92)
IRL	54850	1.31	54133	476 (5.65)	491 (4.27)	505 (3.18)	512 (3.31)	502 (3.36)	435 (7.25)
ITA	481521	1.93	472204	443 (5.22)	463 (4.17)	491 (3.89)	501 (3.71)	478 (3.89)	393 (8.85)
JPN	1240054	1.42	1222475	555 (11.48)	552 (9.52)	558 (7.11)	568 (4.31)	536 (4.78)	519 (6.07)
KOR	533504	0.31	531834	532 (6.84)	543 (5.12)	547 (3.99)	559 (3.62)	554 (3.61)	500 (8.45)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	400 (6.88)	400 (4.66)	415 (6.21)	416 (5.28)	396 (5.77)	318 (6.07)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	506 (4.83)	524 (3.49)	544 (3.57)	552 (3.19)	542 (3.95)	420 (21.12)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	481 (4.27)	484 (3.97)	503 (3.67)	498 (4.09)	478 (4.02)	443 (6.99)
PRT	96857	0.82	96058	449 (7.50)	454 (6.12)	489 (4.33)	485 (4.43)	471 (4.31)	407 (9.17)
SVK	77067	3.71	74208	496 (5.49)	497 (3.66)	516 (3.51)	522 (3.86)	491 (4.27)	424 (5.97)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	487 (5.40)	506 (4.52)	522 (3.21)	522 (3.07)	504 (3.71)	440 (14.52)
CHE	86491	0.48	86079	510 (6.45)	506 (6.13)	531 (4.11)	542 (3.85)	516 (3.40)	421 (11.07)
TUR	481279	13.78	414937	392 (9.99)	410 (6.78)	442 (10.75)	442 (9.85)	421 (9.05)	383 (5.71)
GBR	698579	91.67	58206	501 (6.35)	515 (4.40)	533 (3.06)	545 (4.36)	528 (5.03)	. (.)
USA	3147089	2.76	3060301	463 (4.44)	470 (4.32)	494 (4.50)	498 (4.23)	485 (4.92)	386 (9.50)
TOT	.	19.75	.	464 (2.62)	471 (2.11)	504 (1.91)	520 (1.54)	502 (2.03)	417 (4.16)
AVG	.	22.11	.	480 (1.53)	487 (1.07)	515 (0.87)	526 (0.80)	507 (1.02)	420 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	480 (7.71)	476 (5.17)	495 (4.52)	493 (4.58)	478 (5.13)	439 (6.40)
LIE	338	0.30	337	520 (13.22)	499 (13.44)	535 (12.48)	552 (10.36)	536 (11.99)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	495 (7.85)	498 (6.24)	502 (5.90)	500 (5.35)	468 (5.68)	438 (5.95)
YUG	68596	1.92	67278	417 (5.03)	429 (3.76)	447 (4.39)	443 (6.74)	412 (5.80)	372 (5.62)
THA	637076	5.83	599963	420 (6.39)	418 (3.41)	435 (3.51)	444 (3.49)	416 (5.85)	385 (14.14)
TUN	150875	33.84	99822	353 (6.51)	364 (5.39)	360 (5.86)	368 (5.50)	364 (4.01)	322 (3.38)
URY	33775	3.82	32486	400 (6.14)	419 (5.52)	437 (7.06)	447 (6.05)	423 (4.21)	331 (6.16)

ICT Questionnaire – Question 5

Q5 How often do you use:
educational software such as Mathematics programs?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day %	(SE)	A few times each week %	(SE)	Between 1 pwk & 1 pmn %	(SE)	Less than 1 pmn %	(SE)	Never %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	2.15	(0.15)	7.93	(0.31)	17.40	(0.47)	24.87	(0.51)	45.19	(0.63)	2.45	(0.24)
AUT	85931	1.17	84927	2.49	(0.25)	6.75	(0.42)	15.21	(0.57)	21.03	(0.69)	52.84	(1.07)	1.69	(0.32)
BEL	111831	2.30	109260	1.71	(0.17)	4.66	(0.29)	9.80	(0.43)	17.73	(0.49)	60.93	(0.82)	5.17	(0.50)
CAN	330436	10.12	296990	2.95	(0.20)	6.23	(0.28)	14.14	(0.39)	22.91	(0.43)	50.44	(0.50)	3.32	(0.21)
CZE	121183	4.27	116013	3.39	(0.26)	11.01	(0.51)	21.23	(0.57)	23.83	(0.60)	34.34	(0.75)	6.21	(0.54)
DNK	51741	0.70	51378	4.32	(0.36)	9.93	(0.58)	17.30	(0.63)	21.33	(0.69)	43.67	(0.94)	3.45	(0.37)
FIN	57884	0.07	57845	0.63	(0.12)	2.24	(0.18)	8.71	(0.41)	29.12	(0.74)	56.50	(0.93)	2.80	(0.26)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	2.91	(0.45)	7.86	(0.44)	14.39	(0.54)	21.38	(0.67)	48.77	(0.96)	4.69	(0.45)
GRC	105131	2.07	102960	6.11	(0.44)	15.25	(0.53)	16.30	(0.56)	19.30	(0.77)	40.03	(0.90)	3.02	(0.33)
HUN	107044	0.17	106867	1.83	(0.20)	7.95	(0.38)	11.57	(0.50)	21.94	(0.64)	53.03	(0.86)	3.68	(0.34)
ISL	3928	0.69	3901	3.34	(0.32)	7.92	(0.50)	18.52	(0.65)	26.69	(0.78)	41.90	(0.81)	1.64	(0.23)
IRL	54850	1.31	54133	1.75	(0.21)	6.48	(0.41)	13.52	(0.61)	18.44	(0.63)	55.11	(0.88)	4.69	(0.45)
ITA	481521	1.93	472204	4.49	(0.29)	14.35	(0.65)	13.84	(0.54)	14.33	(0.42)	47.72	(1.01)	5.27	(0.44)
JPN	1240054	1.42	1222475	0.17	(.)	0.78	(0.13)	1.98	(0.20)	11.01	(0.56)	72.61	(0.84)	13.45	(0.72)
KOR	533504	0.31	531834	1.14	(0.13)	4.97	(0.33)	15.38	(0.51)	26.90	(0.57)	48.81	(0.84)	2.79	(0.27)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	5.52	(0.41)	15.69	(0.58)	14.35	(0.56)	13.92	(0.47)	34.67	(1.09)	15.85	(1.35)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.37	47000	3.39	(0.27)	8.72	(0.40)	16.33	(0.63)	25.29	(0.66)	45.41	(0.80)	0.86	(0.14)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	7.14	(0.40)	16.96	(0.67)	20.47	(0.73)	22.37	(0.69)	28.25	(0.85)	4.80	(0.40)
PRT	96857	0.82	96058	2.50	(0.27)	11.95	(0.66)	16.49	(0.63)	23.26	(0.65)	41.25	(0.86)	4.55	(0.44)
SVK	77067	3.71	74208	4.25	(0.34)	11.33	(0.47)	15.67	(0.47)	16.90	(0.58)	38.60	(0.82)	13.25	(0.90)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	1.29	(0.18)	3.24	(0.27)	9.77	(0.51)	21.23	(0.82)	61.50	(0.97)	2.97	(0.27)
CHE	86491	0.48	86079	2.08	(0.24)	6.20	(0.36)	12.19	(0.47)	19.32	(0.54)	57.75	(0.89)	2.46	(0.26)
TUR	481279	13.78	414937	6.06	(0.57)	14.33	(0.73)	12.32	(0.74)	12.69	(0.74)	32.59	(1.27)	22.01	(1.45)
GBR	698579	91.67	58206	4.05	(0.38)	15.13	(0.83)	24.23	(0.81)	22.63	(0.81)	33.29	(1.12)	0.67	(.)
USA	3147089	2.76	3060301	5.99	(0.40)	11.12	(0.58)	17.48	(0.58)	23.80	(0.59)	39.00	(0.82)	2.61	(0.19)
TOT	.	19.75	.	4.11	(0.14)	9.73	(0.18)	14.17	(0.22)	19.88	(0.22)	45.39	(0.36)	6.73	(0.18)
AVG	.	22.11	.	3.21	(0.06)	8.87	(0.10)	14.38	(0.11)	20.90	(0.13)	47.23	(0.22)	5.42	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	2.61	(0.24)	10.42	(0.66)	14.63	(0.77)	17.84	(0.82)	47.94	(1.04)	6.56	(0.57)
LIE	338	0.30	337	2.75	(.)	6.97	(.)	14.26	(2.05)	21.72	(2.07)	51.89	(2.65)	2.41	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	3.56	(0.39)	12.18	(0.64)	14.09	(0.66)	11.85	(0.55)	44.95	(0.99)	13.36	(0.94)
YUG	68596	1.92	67278	5.32	(0.40)	10.19	(0.67)	10.01	(0.62)	12.41	(0.58)	46.11	(1.01)	15.97	(1.13)
THA	637076	5.83	599963	2.37	(0.36)	14.77	(0.74)	17.52	(0.76)	19.39	(0.67)	44.21	(1.33)	1.74	(0.27)
TUN	150875	33.84	99822	8.14	(0.50)	16.64	(0.75)	12.48	(0.70)	11.22	(0.64)	24.57	(1.21)	26.96	(1.34)
URY	33775	3.82	32486	17.00	(0.53)	22.55	(0.74)	12.72	(0.52)	9.73	(0.58)	23.74	(0.98)	14.25	(0.99)

ICT Questionnaire – Question 5

Q5 How often do you use:
educational software such as Mathematics programs?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	449 (8.22)	487 (3.94)	519 (4.35)	541 (2.96)	537 (2.24)	408 (8.44)
AUT	85931	1.17	84927	427 (11.52)	437 (7.44)	471 (5.59)	498 (4.13)	512 (3.45)	387 (14.78)
BEL	111831	2.30	109260	440 (10.65)	455 (8.44)	509 (5.40)	543 (3.32)	520 (2.90)	378 (13.34)
CAN	330436	10.12	296990	485 (6.65)	501 (4.37)	528 (2.52)	543 (2.29)	537 (1.84)	492 (6.34)
CZE	121183	4.27	116013	463 (7.87)	481 (4.84)	504 (3.46)	516 (3.61)	499 (3.68)	422 (8.60)
DNK	51741	0.70	51378	468 (7.76)	458 (5.63)	488 (3.82)	509 (3.88)	505 (2.95)	394 (12.18)
FIN	57884	0.07	57845	456 (17.25)	501 (11.33)	540 (5.06)	552 (2.43)	545 (1.83)	490 (8.94)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	431 (13.05)	464 (7.75)	496 (4.97)	519 (4.65)	515 (3.39)	398 (10.28)
GRC	105131	2.07	102960	445 (8.18)	452 (5.56)	479 (5.51)	486 (5.67)	481 (4.45)	407 (13.52)
HUN	107044	0.17	106867	424 (11.25)	460 (6.09)	485 (6.22)	502 (3.85)	484 (2.72)	396 (11.63)
ISL	3928	0.69	3901	415 (12.14)	462 (5.98)	492 (4.13)	502 (3.32)	503 (2.64)	384 (17.61)
IRL	54850	1.31	54133	456 (13.08)	491 (5.79)	520 (4.66)	536 (3.43)	519 (2.85)	434 (9.06)
ITA	481521	1.93	472204	418 (8.69)	450 (5.49)	485 (5.94)	498 (4.65)	492 (3.07)	399 (9.54)
JPN	1240054	1.42	1222475	. (.)	453 (17.27)	496 (17.68)	514 (6.88)	504 (3.92)	462 (6.36)
KOR	533504	0.31	531834	532 (11.86)	547 (5.99)	546 (4.46)	544 (3.42)	528 (3.31)	465 (10.19)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	394 (7.84)	403 (5.21)	431 (4.38)	436 (5.66)	427 (4.40)	331 (6.23)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	456 (8.89)	470 (5.80)	514 (4.66)	544 (3.77)	537 (2.87)	395 (19.64)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	475 (6.35)	480 (4.81)	511 (3.67)	516 (3.96)	501 (3.80)	442 (7.42)
PRT	96857	0.82	96058	399 (11.89)	443 (8.12)	486 (4.67)	499 (4.25)	486 (3.05)	410 (9.23)
SVK	77067	3.71	74208	464 (7.48)	475 (3.87)	493 (3.69)	504 (3.95)	474 (3.47)	405 (5.78)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	455 (17.05)	467 (11.56)	506 (5.08)	525 (3.45)	522 (2.88)	409 (16.07)
CHE	86491	0.48	86079	420 (10.15)	441 (7.34)	491 (4.55)	512 (4.40)	510 (3.84)	401 (10.85)
TUR	481279	13.78	414937	404 (8.12)	426 (7.67)	460 (8.17)	476 (11.61)	461 (6.87)	419 (5.73)
GBR	698579	91.67	58206	449 (9.59)	493 (4.72)	514 (3.64)	538 (4.43)	524 (3.45)	. (.)
USA	3147089	2.76	3060301	429 (6.91)	458 (5.79)	500 (4.29)	520 (3.94)	511 (3.47)	418 (9.98)
TOT	.	19.75	.	431 (3.94)	454 (2.86)	495 (2.01)	515 (1.86)	503 (1.48)	410 (3.77)
AVG	.	22.11	.	441 (2.40)	460 (1.60)	498 (0.99)	518 (1.01)	508 (0.82)	411 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	462 (9.98)	467 (4.85)	490 (6.57)	505 (5.71)	498 (3.96)	457 (6.47)
LIE	338	0.30	337	. (.)	. (.)	515 (13.06)	536 (9.21)	534 (6.43)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	433 (8.64)	445 (5.60)	461 (4.61)	468 (5.87)	446 (5.30)	406 (5.96)
YUG	68596	1.92	67278	382 (7.18)	402 (6.17)	432 (5.54)	434 (4.92)	426 (3.57)	365 (5.55)
THA	637076	5.83	599963	396 (13.27)	415 (4.12)	428 (5.15)	441 (4.17)	418 (3.17)	379 (9.67)
TUN	150875	33.84	99822	361 (7.59)	391 (6.53)	388 (7.03)	395 (5.63)	402 (5.80)	348 (5.22)
URY	33775	3.82	32486	458 (5.35)	466 (4.69)	472 (6.43)	450 (7.42)	414 (5.31)	359 (6.64)

ICT Questionnaire – Question 5

Q5 How often do you use:
educational software such as Mathematics programs?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	462 (8.31)	494 (3.74)	520 (4.30)	540 (2.56)	532 (2.37)	429 (8.46)
AUT	85931	1.17	84927	450 (9.64)	464 (7.19)	488 (4.67)	511 (3.75)	523 (3.21)	415 (15.99)
BEL	111831	2.30	109260	474 (9.89)	479 (7.52)	541 (5.47)	570 (3.21)	538 (2.70)	412 (10.82)
CAN	330436	10.12	296990	497 (7.23)	508 (4.03)	535 (2.41)	547 (2.38)	540 (1.80)	500 (7.11)
CZE	121183	4.27	116013	491 (7.45)	506 (4.37)	531 (4.45)	543 (3.97)	527 (4.03)	438 (7.14)
DNK	51741	0.70	51378	506 (7.53)	488 (5.62)	515 (3.81)	531 (3.52)	520 (3.20)	432 (10.80)
FIN	57884	0.07	57845	486 (22.38)	512 (10.60)	547 (4.72)	554 (2.64)	543 (2.04)	492 (7.63)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	447 (9.84)	477 (6.84)	505 (3.93)	529 (4.53)	523 (3.54)	430 (8.73)
GRC	105131	2.07	102960	433 (7.09)	430 (4.94)	450 (5.35)	459 (5.36)	452 (4.23)	379 (10.07)
HUN	107044	0.17	106867	449 (11.24)	469 (5.93)	499 (5.30)	515 (4.50)	489 (3.05)	401 (8.95)
ISL	3928	0.69	3901	454 (11.28)	495 (5.45)	520 (3.19)	526 (3.27)	518 (2.27)	430 (17.56)
IRL	54850	1.31	54133	452 (11.33)	481 (5.27)	510 (4.34)	522 (3.36)	505 (2.79)	435 (7.68)
ITA	481521	1.93	472204	429 (7.10)	444 (6.21)	485 (5.13)	488 (3.87)	473 (3.07)	399 (6.02)
JPN	1240054	1.42	1222475	. (.)	492 (17.63)	527 (16.10)	555 (7.22)	537 (4.02)	509 (5.93)
KOR	533504	0.31	531834	538 (15.29)	555 (6.52)	556 (4.75)	552 (3.47)	535 (3.58)	484 (9.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	381 (8.17)	389 (5.15)	415 (3.89)	418 (5.00)	406 (3.87)	324 (5.82)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	459 (7.06)	478 (5.47)	516 (4.18)	548 (3.44)	535 (2.96)	419 (16.73)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	478 (5.51)	480 (4.42)	510 (3.69)	506 (3.39)	485 (3.41)	442 (6.52)
PRT	96857	0.82	96058	408 (10.72)	438 (7.47)	477 (4.62)	485 (3.87)	471 (2.73)	403 (8.14)
SVK	77067	3.71	74208	500 (6.73)	506 (4.44)	523 (3.69)	533 (4.07)	501 (3.33)	434 (6.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	459 (15.62)	475 (10.04)	502 (4.98)	522 (4.19)	514 (2.74)	425 (14.31)
CHE	86491	0.48	86079	465 (10.09)	481 (6.27)	522 (4.28)	540 (4.93)	535 (4.16)	431 (10.25)
TUR	481279	13.78	414937	392 (7.41)	415 (9.24)	452 (9.67)	465 (12.32)	445 (8.36)	394 (6.35)
GBR	698579	91.67	58206	472 (8.46)	502 (4.77)	527 (3.72)	545 (4.37)	527 (3.43)	. (.)
USA	3147089	2.76	3060301	427 (5.74)	449 (5.07)	488 (3.89)	508 (3.40)	496 (3.39)	400 (8.37)
TOT	.	19.75	.	432 (3.58)	450 (2.67)	492 (1.82)	513 (1.52)	504 (1.47)	418 (3.95)
AVG	.	22.11	.	451 (2.14)	466 (1.66)	505 (0.99)	523 (0.89)	511 (0.86)	421 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	464 (9.56)	469 (5.18)	487 (7.04)	505 (6.18)	484 (3.59)	446 (5.33)
LIE	338	0.30	337	. (.)	. (.)	525 (13.68)	553 (9.46)	540 (7.21)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	467 (8.33)	473 (5.89)	490 (4.86)	498 (5.18)	470 (5.44)	434 (5.42)
YUG	68596	1.92	67278	408 (8.08)	433 (5.40)	461 (5.90)	463 (4.66)	448 (3.74)	388 (5.46)
THA	637076	5.83	599963	400 (15.00)	409 (4.84)	429 (4.91)	438 (4.54)	415 (3.14)	370 (9.61)
TUN	150875	33.84	99822	356 (5.02)	381 (6.16)	378 (7.47)	383 (5.60)	383 (5.28)	336 (4.10)
URY	33775	3.82	32486	439 (4.21)	452 (3.96)	463 (6.52)	436 (6.18)	403 (4.14)	356 (4.85)

ICT Questionnaire – Question 5

Q5 How often do you use:
educational software such as Mathematics programs?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	455 (8.12)	492 (4.50)	521 (4.30)	541 (2.74)	533 (2.30)	428 (8.78)
AUT	85931	1.17	84927	436 (10.45)	441 (7.68)	470 (5.04)	496 (4.10)	510 (3.39)	404 (14.46)
BEL	111831	2.30	109260	448 (11.75)	461 (7.03)	516 (5.30)	545 (3.21)	518 (2.72)	393 (11.63)
CAN	330436	10.12	296990	475 (7.47)	488 (4.98)	520 (2.90)	535 (2.77)	528 (2.07)	484 (8.06)
CZE	121183	4.27	116013	496 (8.48)	513 (5.22)	535 (4.04)	549 (4.02)	533 (4.11)	447 (7.13)
DNK	51741	0.70	51378	471 (8.58)	450 (7.02)	476 (5.19)	492 (4.08)	483 (3.38)	367 (12.25)
FIN	57884	0.07	57845	491 (22.92)	514 (11.96)	549 (5.46)	559 (2.70)	548 (2.20)	488 (9.92)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	449 (11.63)	474 (8.00)	504 (4.67)	530 (4.91)	524 (3.82)	416 (9.82)
GRC	105131	2.07	102960	460 (7.03)	463 (6.29)	488 (5.21)	495 (5.51)	488 (4.29)	431 (11.87)
HUN	107044	0.17	106867	458 (12.04)	484 (5.39)	512 (6.92)	526 (4.25)	503 (2.99)	414 (11.09)
ISL	3928	0.69	3901	436 (12.99)	471 (5.98)	497 (3.89)	505 (3.69)	501 (2.28)	420 (15.80)
IRL	54850	1.31	54133	454 (13.23)	480 (6.44)	512 (5.13)	525 (3.73)	508 (3.01)	433 (8.15)
ITA	481521	1.93	472204	435 (8.15)	463 (6.54)	500 (6.00)	511 (4.51)	500 (3.06)	407 (7.70)
JPN	1240054	1.42	1222475	. (.)	508 (20.14)	546 (19.38)	568 (7.58)	550 (4.23)	525 (6.30)
KOR	533504	0.31	531834	533 (15.03)	553 (7.33)	552 (5.05)	550 (3.97)	531 (3.85)	473 (10.44)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	402 (6.49)	407 (5.06)	429 (4.84)	434 (4.98)	424 (3.67)	354 (4.60)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	443 (8.17)	467 (5.62)	512 (4.88)	545 (3.63)	536 (3.19)	414 (16.43)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	480 (7.03)	486 (5.32)	515 (4.39)	516 (4.13)	495 (4.04)	449 (7.29)
PRT	96857	0.82	96058	405 (11.54)	438 (7.95)	479 (4.68)	487 (4.13)	474 (3.18)	398 (8.90)
SVK	77067	3.71	74208	494 (6.93)	503 (4.84)	520 (3.96)	532 (4.19)	501 (3.88)	427 (6.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	447 (19.95)	463 (11.47)	497 (5.36)	518 (4.35)	513 (3.61)	411 (16.20)
CHE	86491	0.48	86079	437 (11.67)	459 (7.52)	509 (5.03)	526 (5.68)	523 (4.47)	410 (10.12)
TUR	481279	13.78	414937	405 (7.40)	421 (7.34)	458 (8.59)	472 (11.96)	451 (7.52)	414 (5.47)
GBR	698579	91.67	58206	454 (10.24)	490 (5.72)	514 (4.38)	537 (5.02)	518 (3.79)	. (.)
USA	3147089	2.76	3060301	432 (7.18)	455 (5.28)	495 (3.90)	516 (3.77)	506 (3.55)	406 (9.68)
TOT	.	19.75	.	437 (4.10)	457 (2.70)	497 (1.86)	519 (1.60)	512 (1.52)	432 (3.53)
AVG	.	22.11	.	450 (2.10)	467 (1.65)	504 (1.08)	522 (0.84)	512 (0.83)	426 (2.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	461 (10.40)	475 (6.59)	494 (5.26)	507 (6.53)	493 (3.91)	445 (5.93)
LIE	338	0.30	337	. (.)	. (.)	518 (17.12)	542 (12.39)	530 (7.18)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	484 (9.79)	495 (5.80)	509 (5.20)	518 (6.82)	491 (5.36)	454 (6.15)
YUG	68596	1.92	67278	398 (7.90)	428 (6.54)	454 (5.24)	460 (5.22)	449 (3.61)	396 (5.49)
THA	637076	5.83	599963	411 (11.74)	426 (4.17)	439 (5.12)	450 (4.44)	425 (2.95)	397 (10.59)
TUN	150875	33.84	99822	379 (5.98)	400 (6.47)	401 (7.53)	407 (5.93)	410 (5.28)	358 (4.74)
URY	33775	3.82	32486	455 (4.71)	464 (4.47)	471 (6.33)	454 (6.35)	424 (3.75)	378 (5.98)

ICT Questionnaire – Question 5

Q5 How often do you use:
educational software such as Mathematics programs?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	468 (8.05)	501 (4.27)	527 (4.25)	545 (2.51)	537 (2.08)	439 (8.49)
AUT	85931	1.17	84927	454 (9.84)	466 (7.21)	489 (4.73)	511 (3.60)	523 (3.06)	414 (15.59)
BEL	111831	2.30	109260	469 (10.35)	480 (7.17)	536 (4.78)	563 (3.14)	533 (2.55)	415 (10.78)
CAN	330436	10.12	296990	493 (6.54)	504 (4.14)	534 (2.55)	545 (2.33)	538 (1.82)	492 (6.79)
CZE	121183	4.27	116013	494 (6.65)	509 (4.57)	531 (4.22)	543 (3.94)	526 (3.82)	439 (7.30)
DNK	51741	0.70	51378	506 (7.29)	492 (5.99)	516 (3.60)	532 (3.36)	524 (2.79)	434 (11.05)
FIN	57884	0.07	57845	490 (21.58)	525 (10.41)	552 (5.01)	559 (2.68)	546 (1.97)	488 (8.00)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	459 (10.56)	487 (6.79)	514 (3.88)	536 (4.33)	530 (3.35)	433 (8.87)
GRC	105131	2.07	102960	428 (8.15)	428 (5.26)	455 (5.92)	467 (5.82)	455 (4.38)	388 (9.53)
HUN	107044	0.17	106867	448 (11.32)	479 (5.92)	508 (5.60)	526 (4.57)	501 (3.04)	410 (9.23)
ISL	3928	0.69	3901	452 (9.90)	486 (5.43)	508 (3.30)	515 (2.96)	508 (2.57)	420 (15.59)
IRL	54850	1.31	54133	451 (12.57)	483 (5.03)	506 (3.80)	517 (3.49)	500 (2.60)	427 (7.27)
ITA	481521	1.93	472204	425 (8.67)	446 (7.06)	489 (5.41)	495 (5.01)	480 (2.97)	395 (8.63)
JPN	1240054	1.42	1222475	. (.)	508 (20.87)	535 (17.21)	564 (7.36)	552 (4.10)	518 (6.14)
KOR	533504	0.31	531834	547 (14.35)	558 (6.03)	561 (4.33)	560 (3.48)	544 (3.41)	501 (8.07)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	379 (9.08)	388 (5.97)	415 (4.73)	421 (6.05)	406 (4.90)	321 (5.74)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.37	47000	476 (7.22)	488 (4.91)	526 (4.30)	556 (3.42)	544 (2.60)	431 (17.41)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	474 (6.44)	475 (4.90)	505 (3.95)	503 (3.77)	483 (3.69)	443 (6.86)
PRT	96857	0.82	96058	404 (12.20)	441 (8.42)	482 (4.80)	488 (4.58)	476 (3.27)	400 (10.90)
SVK	77067	3.71	74208	499 (7.60)	503 (4.23)	519 (3.64)	528 (3.74)	494 (3.56)	425 (6.01)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	453 (16.42)	471 (9.04)	502 (5.42)	520 (3.50)	513 (2.71)	438 (13.60)
CHE	86491	0.48	86079	457 (10.61)	473 (6.58)	519 (3.94)	534 (4.43)	530 (3.65)	417 (10.06)
TUR	481279	13.78	414937	379 (8.64)	398 (8.73)	433 (9.07)	446 (11.37)	427 (7.37)	382 (5.97)
GBR	698579	91.67	58206	471 (7.99)	507 (5.55)	528 (3.80)	547 (4.31)	527 (3.29)	. (.)
USA	3147089	2.76	3060301	420 (6.13)	444 (5.60)	483 (4.16)	503 (3.44)	490 (3.70)	385 (9.27)
TOT	.	19.75	.	427 (3.83)	448 (2.94)	491 (1.96)	513 (1.61)	506 (1.60)	417 (4.14)
AVG	.	22.11	.	450 (2.51)	466 (1.76)	505 (1.03)	524 (0.92)	512 (0.90)	419 (2.53)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	466 (10.11)	467 (6.07)	486 (7.57)	502 (6.19)	485 (4.01)	442 (5.76)
LIE	338	0.30	337	. (.)	. (.)	527 (12.61)	546 (8.41)	535 (6.95)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	479 (10.29)	483 (6.30)	506 (4.84)	510 (5.61)	482 (5.86)	436 (6.77)
YUG	68596	1.92	67278	390 (8.00)	416 (5.32)	443 (5.23)	445 (4.71)	433 (3.29)	370 (5.92)
THA	637076	5.83	599963	416 (15.78)	420 (4.49)	438 (4.83)	446 (4.38)	421 (2.70)	382 (11.31)
TUN	150875	33.84	99822	344 (6.47)	363 (5.68)	362 (6.25)	364 (6.24)	369 (4.44)	321 (3.50)
URY	33775	3.82	32486	428 (5.39)	442 (4.48)	454 (6.89)	425 (7.07)	396 (5.16)	333 (5.66)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer to help you learn school material?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	7.05 (0.31)	24.11 (0.51)	25.10 (0.54)	20.12 (0.56)	21.21 (0.53)	2.40 (0.22)
AUT	85931	1.17	84927	9.23 (0.55)	20.93 (0.68)	24.89 (0.62)	18.77 (0.70)	24.59 (0.76)	1.58 (0.30)
BEL	111831	2.30	109260	5.74 (0.27)	16.85 (0.56)	20.05 (0.55)	17.76 (0.42)	34.34 (0.70)	5.26 (0.52)
CAN	330436	10.12	296990	8.51 (0.42)	19.07 (0.42)	22.92 (0.49)	19.17 (0.35)	27.08 (0.52)	3.25 (0.18)
CZE	121183	4.27	116013	5.55 (0.43)	18.51 (0.66)	23.74 (0.76)	19.84 (0.55)	26.29 (0.81)	6.07 (0.54)
DNK	51741	0.70	51378	11.92 (0.61)	37.35 (0.99)	25.31 (0.78)	10.62 (0.40)	11.04 (0.65)	3.76 (0.37)
FIN	57884	0.07	57845	2.91 (0.21)	14.81 (0.51)	36.58 (0.63)	30.00 (0.60)	13.11 (0.55)	2.60 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	6.95 (0.56)	18.94 (0.62)	22.59 (0.63)	20.68 (0.70)	26.19 (0.77)	4.64 (0.46)
GRC	105131	2.07	102960	7.17 (0.51)	15.04 (0.63)	14.31 (0.61)	16.78 (0.54)	43.13 (1.01)	3.57 (0.33)
HUN	107044	0.17	106867	7.66 (0.40)	21.99 (0.70)	21.78 (0.56)	18.81 (0.55)	26.32 (0.68)	3.44 (0.34)
ISL	3928	0.69	3901	9.67 (0.49)	27.58 (0.82)	34.73 (0.84)	17.08 (0.64)	9.55 (0.58)	1.39 (0.21)
IRL	54850	1.31	54133	2.92 (0.26)	11.85 (0.59)	17.15 (0.67)	19.82 (0.61)	43.48 (0.92)	4.77 (0.47)
ITA	481521	1.93	472204	12.24 (0.47)	29.05 (0.70)	19.16 (0.53)	14.48 (0.58)	19.73 (0.64)	5.35 (0.44)
JPN	1240054	1.42	1222475	0.61 (.)	3.31 (0.34)	7.42 (0.50)	13.17 (0.54)	62.24 (0.90)	13.24 (0.69)
KOR	533504	0.31	531834	2.58 (0.23)	15.60 (0.62)	26.90 (0.62)	25.05 (0.63)	27.08 (0.87)	2.79 (0.27)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	11.40 (0.55)	26.76 (0.85)	16.29 (0.57)	11.46 (0.46)	19.27 (0.69)	14.82 (1.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	7.85 (0.41)	22.15 (0.48)	24.78 (0.61)	21.64 (0.68)	22.52 (0.67)	1.06 (0.13)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	6.92 (0.41)	17.99 (0.63)	20.22 (0.64)	19.63 (0.71)	30.30 (0.68)	4.95 (0.40)
PRT	96857	0.82	96058	14.62 (0.58)	40.01 (0.91)	20.32 (0.76)	12.11 (0.60)	8.75 (0.44)	4.19 (0.43)
SVK	77067	3.71	74208	7.65 (0.54)	20.46 (0.76)	20.39 (0.62)	15.34 (0.53)	23.53 (0.72)	12.62 (0.92)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	5.18 (0.37)	17.25 (0.66)	24.69 (0.74)	21.54 (0.66)	28.20 (0.67)	3.14 (0.30)
CHE	86491	0.48	86079	4.56 (0.35)	14.59 (0.58)	19.78 (0.68)	22.23 (0.52)	36.38 (0.88)	2.46 (0.26)
TUR	481279	13.78	414937	7.64 (0.44)	16.72 (0.96)	12.15 (0.69)	11.04 (0.66)	29.36 (1.15)	23.10 (1.50)
GBR	698579	91.67	58206	7.57 (0.60)	26.55 (0.87)	26.79 (0.79)	18.17 (0.85)	19.83 (0.97)	1.09 (.)
USA	3147089	2.76	3060301	12.10 (0.51)	22.78 (0.75)	23.77 (0.60)	18.07 (0.58)	20.69 (0.60)	2.58 (0.21)
TOT	.	19.75	.	8.33 (0.17)	19.47 (0.27)	19.98 (0.22)	17.19 (0.20)	28.39 (0.28)	6.64 (0.18)
AVG	.	22.11	.	7.42 (0.09)	20.60 (0.16)	21.98 (0.13)	18.20 (0.14)	26.41 (0.19)	5.39 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	4.21 (0.43)	18.78 (0.86)	19.58 (0.86)	18.60 (0.85)	32.24 (0.99)	6.58 (0.58)
LIE	338	0.30	337	4.56 (.)	16.02 (1.64)	28.72 (2.53)	24.14 (2.41)	23.84 (2.40)	2.71 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	5.06 (0.48)	14.33 (0.61)	13.55 (0.59)	10.59 (0.55)	43.13 (0.90)	13.34 (1.00)
YUG	68596	1.92	67278	8.89 (0.52)	14.47 (0.60)	11.76 (0.55)	9.78 (0.53)	39.44 (0.95)	15.66 (1.09)
THA	637076	5.83	599963	7.01 (0.59)	28.99 (1.11)	23.15 (0.77)	16.59 (0.67)	22.46 (1.19)	1.81 (0.23)
TUN	150875	33.84	99822	9.91 (0.60)	18.85 (0.78)	13.77 (0.77)	12.19 (0.65)	17.88 (0.99)	27.39 (1.29)
URY	33775	3.82	32486	21.31 (0.63)	25.30 (0.87)	12.70 (0.57)	9.30 (0.52)	17.53 (0.72)	13.86 (0.92)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer to help you learn school material?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	509 (4.41)	527 (2.83)	533 (2.62)	535 (3.24)	528 (2.68)	411 (8.71)
AUT	85931	1.17	84927	474 (6.63)	494 (4.12)	501 (4.34)	499 (5.08)	496 (4.29)	383 (13.36)
BEL	111831	2.30	109260	481 (6.71)	514 (3.58)	538 (3.28)	532 (3.52)	509 (3.88)	376 (12.86)
CAN	330436	10.12	296990	518 (4.51)	535 (2.76)	540 (2.34)	537 (2.17)	529 (2.59)	490 (6.74)
CZE	121183	4.27	116013	477 (6.45)	499 (4.04)	513 (3.91)	516 (4.36)	484 (3.33)	425 (9.07)
DNK	51741	0.70	51378	488 (5.13)	499 (3.06)	503 (3.59)	487 (4.97)	491 (5.11)	403 (9.64)
FIN	57884	0.07	57845	511 (9.63)	543 (3.13)	555 (2.15)	548 (2.52)	518 (3.22)	491 (9.16)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	463 (8.72)	494 (4.55)	519 (4.20)	519 (4.05)	505 (4.50)	398 (11.12)
GRC	105131	2.07	102960	440 (7.27)	453 (6.01)	471 (5.62)	487 (6.08)	485 (4.64)	419 (13.45)
HUN	107044	0.17	106867	466 (5.92)	486 (3.10)	504 (4.32)	497 (3.47)	466 (3.55)	393 (11.58)
ISL	3928	0.69	3901	467 (5.41)	497 (3.51)	511 (2.59)	492 (4.12)	458 (6.17)	373 (19.91)
IRL	54850	1.31	54133	472 (9.67)	504 (4.94)	525 (3.78)	532 (3.45)	519 (3.24)	435 (8.58)
ITA	481521	1.93	472204	452 (5.92)	476 (3.48)	500 (3.75)	496 (4.07)	482 (3.83)	396 (8.76)
JPN	1240054	1.42	1222475	. (.)	505 (10.66)	527 (8.09)	516 (5.86)	500 (4.06)	462 (6.40)
KOR	533504	0.31	531834	539 (9.89)	559 (4.25)	548 (3.27)	534 (3.20)	513 (4.36)	463 (10.80)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (6.33)	417 (5.39)	430 (4.36)	432 (6.19)	421 (3.89)	327 (6.87)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	492 (6.93)	515 (4.24)	537 (3.68)	542 (3.51)	522 (4.04)	433 (18.86)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	470 (6.59)	482 (4.02)	506 (3.95)	516 (4.07)	506 (3.58)	444 (8.38)
PRT	96857	0.82	96058	468 (5.08)	481 (5.23)	496 (4.13)	478 (5.15)	465 (5.63)	427 (8.13)
SVK	77067	3.71	74208	468 (5.60)	487 (3.23)	499 (3.81)	495 (4.22)	460 (4.32)	404 (5.70)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	486 (7.45)	514 (4.66)	525 (3.63)	527 (3.49)	514 (2.99)	422 (16.44)
CHE	86491	0.48	86079	449 (7.97)	485 (5.79)	507 (4.03)	517 (3.94)	502 (3.95)	416 (11.65)
TUR	481279	13.78	414937	427 (10.55)	437 (7.56)	460 (8.65)	481 (10.45)	456 (6.53)	419 (5.50)
GBR	698579	91.67	58206	479 (7.17)	515 (3.34)	524 (3.94)	529 (5.06)	514 (4.50)	. (.)
USA	3147089	2.76	3060301	474 (5.38)	497 (4.66)	508 (3.93)	516 (4.01)	496 (4.30)	425 (11.31)
TOT	.	19.75	.	465 (2.90)	486 (2.40)	508 (1.76)	512 (1.65)	493 (1.73)	411 (3.93)
AVG	.	22.11	.	471 (1.57)	494 (1.14)	515 (0.78)	515 (0.90)	496 (1.08)	413 (2.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	461 (7.05)	486 (5.50)	500 (4.80)	500 (4.54)	495 (4.67)	452 (6.38)
LIE	338	0.30	337	. (.)	515 (11.62)	522 (9.38)	532 (11.19)	535 (9.30)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	435 (7.28)	448 (6.02)	466 (5.41)	465 (7.31)	446 (4.12)	405 (6.13)
YUG	68596	1.92	67278	386 (6.06)	413 (4.76)	430 (5.57)	440 (5.12)	425 (3.76)	367 (5.47)
THA	637076	5.83	599963	424 (6.34)	418 (3.51)	429 (4.04)	433 (4.41)	416 (3.96)	379 (10.40)
TUN	150875	33.84	99822	378 (8.42)	391 (5.89)	392 (6.69)	395 (7.91)	397 (6.17)	349 (5.18)
URY	33775	3.82	32486	454 (5.70)	463 (4.34)	457 (7.08)	454 (8.14)	417 (5.29)	355 (6.74)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer to help you learn school material?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	510 (4.65)	527 (2.73)	533 (2.62)	533 (2.79)	521 (2.75)	431 (8.45)
AUT	85931	1.17	84927	482 (5.55)	506 (4.00)	513 (4.04)	516 (4.64)	511 (3.71)	407 (15.73)
BEL	111831	2.30	109260	500 (6.96)	533 (3.47)	562 (2.84)	553 (3.15)	531 (3.48)	410 (10.39)
CAN	330436	10.12	296990	524 (4.99)	537 (2.47)	543 (2.34)	541 (2.38)	536 (2.56)	498 (5.76)
CZE	121183	4.27	116013	505 (5.71)	524 (4.35)	543 (4.35)	544 (4.76)	510 (3.52)	440 (7.14)
DNK	51741	0.70	51378	512 (5.23)	521 (3.10)	523 (3.50)	508 (5.03)	509 (4.99)	437 (9.34)
FIN	57884	0.07	57845	521 (8.96)	538 (3.40)	555 (2.39)	550 (2.39)	524 (3.85)	496 (8.48)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	474 (7.60)	502 (4.31)	528 (3.87)	526 (4.13)	516 (4.75)	431 (9.26)
GRC	105131	2.07	102960	420 (6.07)	425 (4.87)	447 (4.72)	461 (5.97)	456 (4.37)	392 (10.34)
HUN	107044	0.17	106867	479 (6.72)	493 (3.45)	514 (4.48)	508 (4.22)	471 (3.78)	395 (8.85)
ISL	3928	0.69	3901	495 (5.07)	521 (2.84)	531 (2.59)	514 (3.76)	480 (4.82)	426 (18.27)
IRL	54850	1.31	54133	468 (8.68)	491 (5.13)	509 (3.64)	518 (3.69)	506 (2.98)	433 (7.91)
ITA	481521	1.93	472204	447 (5.04)	461 (3.31)	495 (3.96)	486 (4.00)	466 (4.47)	397 (6.43)
JPN	1240054	1.42	1222475	. (.)	537 (10.60)	560 (9.02)	553 (6.52)	533 (3.93)	510 (6.00)
KOR	533504	0.31	531834	544 (10.28)	565 (5.25)	556 (3.85)	542 (3.53)	522 (4.54)	483 (9.47)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	401 (5.74)	398 (4.95)	410 (4.53)	415 (5.65)	403 (3.97)	322 (6.12)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	488 (6.05)	516 (3.86)	539 (3.30)	545 (3.42)	524 (3.93)	438 (16.27)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	471 (5.39)	479 (3.75)	503 (3.56)	506 (4.15)	495 (2.99)	443 (7.59)
PRT	96857	0.82	96058	454 (4.95)	467 (4.63)	487 (3.74)	469 (5.00)	458 (5.05)	417 (8.38)
SVK	77067	3.71	74208	502 (5.56)	513 (3.70)	530 (4.18)	523 (3.75)	490 (4.04)	433 (6.48)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	486 (6.93)	509 (4.43)	519 (3.49)	521 (3.66)	506 (3.26)	432 (14.55)
CHE	86491	0.48	86079	486 (8.25)	516 (4.59)	537 (4.38)	543 (4.82)	527 (3.87)	436 (9.03)
TUR	481279	13.78	414937	409 (10.54)	424 (8.94)	456 (10.32)	469 (11.99)	441 (8.09)	394 (6.01)
GBR	698579	91.67	58206	495 (7.66)	523 (3.20)	533 (3.42)	536 (4.54)	519 (4.40)	. (.)
USA	3147089	2.76	3060301	465 (4.84)	482 (4.17)	496 (3.61)	503 (3.71)	484 (3.85)	402 (8.27)
TOT	.	19.75	.	460 (2.64)	479 (2.09)	506 (1.58)	511 (1.57)	499 (1.70)	419 (3.93)
AVG	.	22.11	.	475 (1.28)	497 (1.06)	521 (0.86)	520 (0.86)	501 (1.04)	422 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	455 (7.45)	484 (6.12)	496 (4.71)	491 (4.33)	485 (4.21)	443 (5.29)
LIE	338	0.30	337	. (.)	517 (13.24)	535 (10.63)	547 (10.97)	541 (10.98)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	459 (6.78)	477 (5.35)	492 (5.66)	489 (9.16)	472 (4.60)	434 (5.31)
YUG	68596	1.92	67278	406 (5.74)	437 (5.08)	454 (5.38)	471 (5.39)	451 (3.78)	391 (5.43)
THA	637076	5.83	599963	413 (7.44)	411 (3.67)	428 (4.01)	432 (4.82)	420 (4.32)	372 (9.90)
TUN	150875	33.84	99822	364 (5.88)	380 (5.76)	375 (6.67)	378 (5.79)	388 (5.93)	337 (3.93)
URY	33775	3.82	32486	436 (4.90)	447 (3.95)	452 (6.67)	438 (6.12)	406 (4.70)	355 (4.31)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer to help you learn school material?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	511 (5.06)	528 (2.99)	533 (2.63)	534 (2.95)	522 (2.74)	429 (9.55)
AUT	85931	1.17	84927	471 (5.77)	491 (4.00)	498 (4.25)	501 (4.90)	498 (4.04)	398 (13.97)
BEL	111831	2.30	109260	481 (6.63)	511 (3.30)	538 (3.76)	532 (3.26)	511 (3.59)	392 (11.14)
CAN	330436	10.12	296990	506 (5.29)	524 (3.41)	530 (2.51)	529 (2.58)	523 (3.02)	480 (7.63)
CZE	121183	4.27	116013	512 (7.36)	530 (4.37)	548 (4.23)	549 (4.52)	516 (3.97)	449 (7.51)
DNK	51741	0.70	51378	479 (5.70)	484 (3.85)	484 (3.94)	466 (5.96)	469 (5.30)	376 (10.93)
FIN	57884	0.07	57845	529 (9.83)	549 (3.43)	560 (2.76)	552 (2.81)	524 (3.89)	490 (10.48)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	476 (8.92)	503 (4.92)	529 (4.52)	526 (4.42)	517 (4.85)	416 (10.15)
GRC	105131	2.07	102960	454 (6.72)	461 (6.06)	479 (5.90)	495 (5.94)	494 (4.29)	434 (11.54)
HUN	107044	0.17	106867	493 (6.60)	509 (3.67)	526 (4.80)	519 (4.25)	485 (3.69)	408 (10.86)
ISL	3928	0.69	3901	474 (5.80)	500 (3.40)	510 (2.94)	493 (4.20)	463 (5.80)	418 (18.13)
IRL	54850	1.31	54133	473 (9.45)	491 (5.96)	515 (3.82)	520 (3.90)	508 (3.51)	430 (8.54)
ITA	481521	1.93	472204	466 (6.12)	485 (3.55)	515 (3.97)	510 (4.69)	489 (4.26)	406 (7.32)
JPN	1240054	1.42	1222475	. (.)	553 (11.43)	583 (10.03)	566 (7.08)	545 (4.28)	526 (6.42)
KOR	533504	0.31	531834	549 (11.48)	563 (5.56)	555 (4.24)	539 (3.87)	514 (4.96)	472 (10.87)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	418 (5.49)	416 (4.63)	427 (4.34)	431 (5.32)	419 (3.83)	353 (4.96)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	481 (6.38)	512 (3.99)	535 (3.58)	543 (3.53)	525 (4.14)	439 (17.43)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	472 (6.74)	484 (4.36)	508 (4.33)	515 (4.79)	505 (3.70)	454 (8.14)
PRT	96857	0.82	96058	459 (4.93)	469 (4.75)	487 (4.21)	472 (5.57)	459 (6.16)	415 (8.16)
SVK	77067	3.71	74208	497 (5.68)	513 (3.75)	528 (4.46)	524 (4.87)	488 (4.40)	425 (6.82)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	481 (8.70)	505 (5.27)	515 (4.20)	519 (4.57)	505 (3.82)	422 (16.57)
CHE	86491	0.48	86079	463 (8.45)	499 (6.52)	523 (4.82)	531 (4.62)	515 (4.15)	419 (8.81)
TUR	481279	13.78	414937	422 (10.38)	433 (7.66)	458 (9.30)	476 (11.36)	447 (7.27)	412 (5.09)
GBR	698579	91.67	58206	483 (8.59)	514 (3.82)	522 (3.99)	526 (6.06)	507 (5.05)	. (.)
USA	3147089	2.76	3060301	472 (5.27)	492 (4.66)	503 (3.51)	510 (3.93)	494 (4.21)	410 (10.57)
TOT	.	19.75	.	467 (2.74)	487 (2.25)	511 (1.65)	517 (1.76)	507 (1.76)	433 (3.54)
AVG	.	22.11	.	475 (1.46)	496 (1.10)	519 (0.90)	520 (0.94)	504 (0.97)	427 (2.18)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	466 (7.92)	489 (6.13)	500 (4.53)	495 (4.57)	493 (5.21)	442 (5.66)
LIE	338	0.30	337	. (.)	509 (14.43)	523 (11.65)	536 (12.40)	535 (10.24)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	478 (7.85)	496 (5.84)	509 (5.90)	514 (8.22)	493 (4.47)	454 (6.40)
YUG	68596	1.92	67278	401 (5.57)	434 (4.85)	452 (6.24)	468 (5.28)	450 (3.73)	399 (5.32)
THA	637076	5.83	599963	432 (6.86)	424 (3.38)	439 (3.92)	443 (4.66)	427 (4.18)	398 (10.44)
TUN	150875	33.84	99822	386 (5.75)	403 (5.86)	404 (6.73)	403 (5.59)	410 (5.75)	359 (4.81)
URY	33775	3.82	32486	452 (4.89)	459 (4.06)	463 (7.77)	457 (6.20)	429 (4.69)	373 (5.63)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer to help you learn school material?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	515 (4.46)	532 (2.65)	538 (2.41)	538 (2.82)	528 (2.74)	440 (8.22)
AUT	85931	1.17	84927	485 (5.54)	506 (3.89)	513 (4.25)	516 (4.44)	513 (3.57)	407 (14.15)
BEL	111831	2.30	109260	500 (6.26)	529 (3.43)	556 (2.96)	548 (3.24)	525 (3.23)	414 (10.28)
CAN	330436	10.12	296990	521 (4.33)	536 (2.64)	541 (2.53)	539 (2.43)	532 (2.58)	491 (5.97)
CZE	121183	4.27	116013	506 (5.73)	527 (4.17)	543 (3.83)	542 (4.58)	509 (3.57)	441 (7.66)
DNK	51741	0.70	51378	513 (5.52)	523 (2.93)	526 (3.34)	510 (4.64)	512 (4.96)	442 (9.46)
FIN	57884	0.07	57845	531 (8.63)	547 (3.29)	559 (2.41)	551 (2.45)	523 (3.76)	492 (8.24)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	484 (8.10)	512 (4.13)	537 (3.85)	533 (4.03)	522 (4.48)	434 (9.36)
GRC	105131	2.07	102960	416 (7.36)	427 (5.43)	452 (5.26)	465 (6.56)	461 (4.44)	401 (10.01)
HUN	107044	0.17	106867	485 (6.44)	503 (3.35)	527 (4.56)	520 (4.04)	482 (3.70)	403 (8.96)
ISL	3928	0.69	3901	489 (4.92)	512 (3.08)	519 (2.56)	504 (4.29)	468 (5.46)	412 (17.79)
IRL	54850	1.31	54133	469 (8.23)	490 (4.56)	507 (3.50)	513 (3.18)	500 (2.84)	427 (7.51)
ITA	481521	1.93	472204	450 (5.91)	467 (3.49)	500 (4.25)	490 (4.29)	472 (4.34)	390 (8.63)
JPN	1240054	1.42	1222475	. (.)	554 (10.44)	574 (9.12)	564 (6.81)	547 (4.02)	518 (6.20)
KOR	533504	0.31	531834	546 (9.76)	570 (4.77)	563 (3.65)	551 (3.40)	532 (4.44)	500 (8.57)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	401 (6.73)	399 (5.79)	413 (4.85)	413 (7.09)	403 (4.79)	318 (6.36)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	502 (6.64)	529 (3.74)	545 (3.43)	553 (3.46)	532 (3.44)	456 (16.63)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	466 (6.02)	475 (4.02)	498 (3.51)	503 (4.13)	492 (3.36)	442 (7.91)
PRT	96857	0.82	96058	459 (5.14)	472 (5.12)	492 (4.02)	469 (5.70)	462 (6.33)	416 (9.70)
SVK	77067	3.71	74208	501 (5.61)	510 (3.83)	524 (4.07)	518 (3.51)	481 (4.17)	423 (5.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	487 (6.82)	508 (4.07)	518 (3.25)	519 (3.49)	506 (3.27)	444 (14.86)
CHE	86491	0.48	86079	482 (7.63)	509 (4.79)	530 (4.24)	537 (4.33)	524 (3.38)	424 (10.57)
TUR	481279	13.78	414937	398 (11.03)	410 (8.17)	432 (9.79)	448 (10.86)	423 (6.80)	381 (5.72)
GBR	698579	91.67	58206	499 (7.72)	525 (3.50)	533 (3.70)	538 (4.52)	521 (4.34)	. (.)
USA	3147089	2.76	3060301	460 (5.14)	477 (4.35)	491 (3.80)	498 (3.66)	477 (4.21)	390 (9.85)
TOT	.	19.75	.	459 (2.84)	479 (2.30)	505 (1.72)	511 (1.55)	502 (1.79)	417 (4.18)
AVG	.	22.11	.	476 (1.37)	498 (1.11)	521 (0.86)	520 (0.87)	502 (1.06)	420 (2.54)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	455 (8.90)	483 (6.20)	495 (5.16)	491 (4.41)	484 (4.77)	439 (5.71)
LIE	338	0.30	337	. (.)	513 (11.93)	531 (9.66)	543 (11.21)	535 (10.06)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	475 (8.32)	489 (6.71)	508 (5.48)	502 (9.94)	483 (4.69)	436 (6.50)
YUG	68596	1.92	67278	390 (5.48)	421 (4.75)	439 (5.13)	453 (5.39)	434 (3.62)	373 (5.71)
THA	637076	5.83	599963	429 (8.71)	421 (3.38)	436 (3.77)	440 (4.61)	423 (3.80)	380 (10.67)
TUN	150875	33.84	99822	354 (7.36)	365 (4.56)	359 (5.82)	363 (6.29)	369 (5.06)	321 (3.36)
URY	33775	3.82	32486	425 (5.61)	439 (4.63)	438 (7.19)	429 (6.44)	399 (5.49)	331 (4.99)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to down-load music?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	28.74 (0.68)	27.62 (0.48)	15.31 (0.43)	9.11 (0.27)	17.07 (0.48)	2.16 (0.21)
AUT	85931	1.17	84927	29.62 (0.86)	19.67 (0.63)	14.92 (0.53)	9.88 (0.43)	24.50 (0.76)	1.41 (0.28)
BEL	111831	2.30	109260	32.89 (0.72)	22.11 (0.51)	10.97 (0.36)	7.26 (0.28)	21.60 (0.59)	5.17 (0.51)
CAN	330436	10.12	296990	52.53 (0.58)	22.56 (0.41)	8.25 (0.32)	5.01 (0.26)	8.56 (0.33)	3.10 (0.19)
CZE	121183	4.27	116013	13.05 (0.51)	18.24 (0.63)	17.06 (0.54)	14.35 (0.47)	31.26 (0.76)	6.04 (0.52)
DNK	51741	0.70	51378	23.81 (0.86)	17.79 (0.64)	10.99 (0.51)	9.92 (0.43)	34.04 (0.92)	3.45 (0.32)
FIN	57884	0.07	57845	20.93 (0.64)	16.28 (0.52)	13.28 (0.45)	13.55 (0.55)	33.46 (0.77)	2.51 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	27.48 (0.76)	18.30 (0.63)	11.33 (0.55)	9.48 (0.38)	28.82 (0.70)	4.59 (0.45)
GRC	105131	2.07	102960	23.37 (0.79)	25.02 (0.80)	15.40 (0.59)	12.35 (0.48)	19.80 (0.85)	4.06 (0.35)
HUN	107044	0.17	106867	12.89 (0.63)	18.85 (0.58)	14.26 (0.60)	13.14 (0.48)	37.51 (0.74)	3.35 (0.35)
ISL	3928	0.69	3901	31.49 (0.83)	25.85 (0.63)	14.25 (0.59)	10.64 (0.54)	16.61 (0.58)	1.16 (0.19)
IRL	54850	1.31	54133	12.69 (0.59)	19.34 (0.70)	16.48 (0.64)	12.69 (0.61)	34.46 (0.96)	4.33 (0.41)
ITA	481521	1.93	472204	24.19 (0.72)	20.52 (0.51)	11.77 (0.47)	8.74 (0.37)	29.59 (0.84)	5.20 (0.40)
JPN	1240054	1.42	1222475	3.48 (0.33)	6.77 (0.47)	9.44 (0.39)	13.45 (0.51)	53.69 (0.86)	13.16 (0.69)
KOR	533504	0.31	531834	35.71 (0.88)	41.40 (0.67)	14.16 (0.54)	3.74 (0.29)	2.40 (0.22)	2.59 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	17.99 (1.00)	21.26 (0.66)	10.93 (0.45)	9.52 (0.40)	24.96 (1.10)	15.34 (1.33)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	30.32 (0.70)	26.90 (0.69)	14.70 (0.59)	9.57 (0.42)	17.65 (0.62)	0.86 (0.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	17.76 (0.78)	20.49 (0.73)	16.68 (0.68)	13.22 (0.50)	27.10 (0.73)	4.75 (0.40)
PRT	96857	0.82	96058	24.05 (1.00)	24.31 (0.84)	13.21 (0.60)	11.44 (0.48)	22.79 (0.78)	4.20 (0.39)
SVK	77067	3.71	74208	6.54 (0.46)	13.00 (0.65)	14.63 (0.51)	11.63 (0.51)	40.98 (0.73)	13.22 (0.94)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	38.89 (0.91)	21.06 (0.60)	11.73 (0.51)	7.84 (0.45)	17.72 (0.70)	2.75 (0.27)
CHE	86491	0.48	86079	24.82 (0.79)	20.67 (0.64)	13.37 (0.47)	10.07 (0.52)	28.61 (0.66)	2.47 (0.26)
TUR	481279	13.78	414937	15.56 (0.69)	21.35 (0.96)	12.01 (0.71)	9.01 (0.63)	20.92 (0.79)	21.15 (1.35)
GBR	698579	91.67	58206	33.30 (1.24)	24.08 (0.73)	14.01 (0.81)	8.01 (0.53)	19.69 (0.96)	0.92 (.)
USA	3147089	2.76	3060301	40.00 (0.92)	22.83 (0.60)	12.40 (0.41)	7.57 (0.40)	14.68 (0.55)	2.52 (0.21)
TOT	.	19.75	.	27.06 (0.34)	20.82 (0.22)	12.20 (0.17)	9.24 (0.15)	24.16 (0.26)	6.53 (0.18)
AVG	.	22.11	.	24.55 (0.16)	21.37 (0.15)	13.27 (0.11)	10.15 (0.10)	25.41 (0.15)	5.25 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	14.08 (0.73)	19.42 (0.93)	13.86 (0.93)	13.25 (0.65)	32.65 (1.11)	6.74 (0.55)
LIE	338	0.30	337	36.01 (2.63)	23.55 (1.95)	8.75 (.)	7.84 (.)	19.90 (1.88)	3.94 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	7.69 (0.73)	10.76 (0.47)	8.60 (0.46)	7.18 (0.36)	52.36 (1.19)	13.41 (1.00)
YUG	68596	1.92	67278	15.10 (0.64)	15.13 (0.57)	9.07 (0.48)	6.91 (0.47)	37.92 (1.09)	15.87 (1.10)
THA	637076	5.83	599963	8.28 (0.52)	18.44 (0.79)	14.76 (0.67)	11.62 (0.53)	44.96 (1.37)	1.94 (0.26)
TUN	150875	33.84	99822	9.50 (0.69)	14.88 (0.71)	12.65 (0.63)	10.85 (0.60)	25.43 (1.07)	26.69 (1.39)
URY	33775	3.82	32486	16.32 (0.66)	17.08 (0.66)	9.77 (0.45)	10.49 (0.42)	32.86 (0.96)	13.48 (0.94)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to down-load music?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	518 (2.64)	526 (2.65)	534 (3.51)	543 (3.95)	539 (3.01)	403 (8.62)
AUT	85931	1.17	84927	489 (4.34)	490 (4.65)	498 (6.80)	501 (6.34)	501 (4.56)	391 (13.06)
BEL	111831	2.30	109260	514 (3.15)	527 (3.56)	526 (5.38)	524 (4.84)	511 (3.93)	375 (12.84)
CAN	330436	10.12	296990	530 (1.78)	534 (2.53)	535 (3.38)	537 (4.39)	545 (3.53)	498 (7.60)
CZE	121183	4.27	116013	477 (4.18)	500 (3.65)	507 (3.70)	515 (4.84)	502 (3.69)	423 (8.62)
DNK	51741	0.70	51378	479 (3.28)	487 (4.28)	498 (5.45)	508 (5.80)	508 (3.01)	404 (11.65)
FIN	57884	0.07	57845	528 (2.91)	536 (2.95)	553 (3.46)	551 (3.65)	554 (2.35)	491 (9.92)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	495 (4.25)	502 (5.20)	512 (5.60)	507 (6.67)	516 (3.81)	407 (10.63)
GRC	105131	2.07	102960	474 (5.73)	473 (5.09)	478 (6.66)	483 (5.82)	473 (5.59)	415 (13.05)
HUN	107044	0.17	106867	474 (4.61)	482 (4.20)	492 (4.33)	493 (4.25)	485 (3.18)	392 (11.79)
ISL	3928	0.69	3901	474 (2.97)	491 (3.34)	503 (4.21)	507 (6.52)	521 (4.78)	358 (21.34)
IRL	54850	1.31	54133	503 (4.89)	511 (3.71)	522 (4.28)	530 (5.51)	523 (3.11)	443 (8.39)
ITA	481521	1.93	472204	473 (4.16)	480 (3.83)	494 (4.71)	496 (5.28)	481 (4.00)	402 (8.68)
JPN	1240054	1.42	1222475	514 (10.39)	509 (6.54)	514 (6.33)	502 (6.65)	502 (4.11)	463 (6.47)
KOR	533504	0.31	531834	521 (3.28)	544 (3.22)	551 (4.69)	546 (8.34)	531 (8.61)	465 (10.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	432 (5.38)	418 (4.78)	431 (5.13)	430 (5.96)	412 (4.15)	329 (6.34)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	509 (3.35)	526 (3.27)	532 (4.97)	538 (5.80)	545 (4.35)	408 (20.80)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (4.31)	497 (4.10)	501 (4.84)	506 (4.89)	503 (3.93)	443 (7.80)
PRT	96857	0.82	96058	490 (5.11)	471 (6.55)	482 (4.85)	485 (5.18)	478 (3.95)	419 (8.36)
SVK	77067	3.71	74208	446 (5.96)	470 (5.06)	493 (4.07)	499 (3.79)	485 (3.21)	405 (5.35)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	504 (3.15)	518 (4.58)	530 (4.34)	537 (4.98)	530 (4.20)	416 (18.09)
CHE	86491	0.48	86079	490 (3.78)	497 (4.58)	505 (7.16)	509 (4.89)	511 (3.82)	417 (10.39)
TUR	481279	13.78	414937	447 (8.46)	451 (8.59)	458 (9.31)	460 (7.79)	448 (6.65)	420 (5.60)
GBR	698579	91.67	58206	509 (3.46)	512 (4.11)	520 (5.81)	530 (7.04)	529 (4.83)	. (.)
USA	3147089	2.76	3060301	497 (3.19)	497 (4.12)	501 (5.18)	502 (6.14)	512 (5.19)	415 (11.49)
TOT	.	19.75	.	495 (1.60)	495 (1.95)	500 (1.96)	497 (2.04)	495 (1.96)	410 (3.86)
AVG	.	22.11	.	496 (0.78)	500 (1.08)	507 (1.12)	508 (1.26)	503 (1.07)	413 (2.57)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	485 (5.80)	486 (5.34)	492 (6.36)	500 (6.43)	500 (4.40)	453 (6.46)
LIE	338	0.30	337	517 (8.01)	525 (10.87)	. (.)	. (.)	541 (9.69)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	449 (6.76)	440 (6.95)	460 (5.46)	467 (6.97)	450 (4.64)	407 (5.92)
YUG	68596	1.92	67278	410 (4.68)	424 (4.74)	437 (5.90)	432 (6.66)	420 (3.72)	366 (5.41)
THA	637076	5.83	599963	437 (5.84)	424 (4.76)	428 (5.00)	423 (4.75)	419 (2.83)	377 (8.69)
TUN	150875	33.84	99822	400 (8.88)	387 (5.59)	390 (6.83)	387 (6.13)	394 (5.44)	348 (5.77)
URY	33775	3.82	32486	456 (6.26)	455 (5.65)	449 (7.00)	457 (8.27)	441 (4.44)	353 (5.94)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to down-load music?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	520 (2.63)	524 (2.43)	531 (3.13)	539 (3.81)	534 (2.98)	427 (8.43)
AUT	85931	1.17	84927	505 (4.05)	509 (4.36)	513 (5.75)	512 (5.88)	509 (3.79)	411 (15.62)
BEL	111831	2.30	109260	538 (3.10)	549 (3.42)	547 (4.70)	543 (4.66)	530 (3.71)	408 (10.10)
CAN	330436	10.12	296990	534 (1.75)	539 (2.56)	541 (3.47)	541 (3.97)	547 (3.47)	506 (7.57)
CZE	121183	4.27	116013	511 (4.22)	527 (3.67)	538 (4.03)	540 (4.84)	524 (3.98)	440 (7.04)
DNK	51741	0.70	51378	507 (3.37)	511 (4.00)	517 (4.62)	529 (5.99)	525 (3.48)	440 (10.60)
FIN	57884	0.07	57845	540 (3.03)	542 (3.50)	552 (3.72)	552 (3.36)	545 (2.62)	498 (7.98)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (4.38)	512 (5.13)	516 (5.45)	516 (6.53)	520 (3.86)	438 (8.97)
GRC	105131	2.07	102960	449 (5.69)	450 (4.37)	454 (5.78)	453 (5.55)	440 (4.82)	388 (9.57)
HUN	107044	0.17	106867	490 (5.06)	493 (4.30)	500 (4.54)	503 (4.34)	489 (3.10)	394 (9.77)
ISL	3928	0.69	3901	505 (2.73)	516 (2.66)	521 (3.84)	521 (5.61)	532 (4.36)	421 (19.43)
IRL	54850	1.31	54133	493 (4.67)	502 (3.28)	508 (3.97)	516 (4.72)	507 (3.02)	443 (7.08)
ITA	481521	1.93	472204	470 (4.09)	470 (3.68)	482 (5.14)	485 (4.63)	463 (3.93)	403 (6.10)
JPN	1240054	1.42	1222475	542 (10.89)	541 (6.74)	547 (6.47)	540 (6.43)	536 (4.20)	510 (5.96)
KOR	533504	0.31	531834	522 (3.31)	555 (3.57)	565 (4.65)	557 (8.62)	541 (9.74)	484 (9.12)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (4.97)	401 (4.62)	409 (5.08)	410 (5.92)	397 (3.91)	324 (5.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	511 (3.25)	529 (2.69)	533 (4.57)	540 (5.50)	542 (4.15)	411 (16.95)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (3.84)	492 (3.20)	498 (4.32)	497 (4.59)	490 (3.38)	443 (6.75)
PRT	96857	0.82	96058	484 (4.37)	462 (5.57)	468 (4.43)	471 (4.97)	462 (3.78)	406 (7.39)
SVK	77067	3.71	74208	478 (5.91)	503 (4.68)	527 (4.13)	525 (4.33)	511 (2.85)	435 (6.19)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (3.12)	513 (5.19)	523 (4.72)	531 (5.76)	522 (3.82)	428 (15.63)
CHE	86491	0.48	86079	526 (3.73)	526 (5.52)	531 (7.39)	530 (4.75)	532 (3.66)	437 (9.01)
TUR	481279	13.78	414937	433 (9.74)	444 (10.24)	449 (10.14)	444 (8.41)	432 (7.65)	395 (5.98)
GBR	698579	91.67	58206	520 (3.26)	520 (3.62)	528 (5.57)	535 (6.77)	533 (3.97)	. (.)
USA	3147089	2.76	3060301	487 (3.12)	484 (3.97)	487 (4.88)	490 (5.58)	492 (4.07)	398 (8.08)
TOT	.	19.75	.	492 (1.56)	492 (1.78)	499 (1.85)	499 (2.00)	498 (1.80)	419 (3.91)
AVG	.	22.11	.	503 (0.77)	505 (1.08)	511 (1.08)	511 (1.23)	506 (1.05)	422 (2.34)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	487 (5.58)	485 (4.66)	487 (5.88)	493 (5.70)	486 (4.61)	442 (5.50)
LIE	338	0.30	337	532 (8.91)	537 (13.84)	. (.)	. (.)	534 (12.01)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	476 (7.44)	471 (7.06)	484 (5.82)	494 (8.21)	475 (4.57)	435 (5.36)
YUG	68596	1.92	67278	435 (5.31)	451 (4.75)	467 (4.99)	461 (6.28)	443 (3.93)	390 (5.41)
THA	637076	5.83	599963	433 (6.42)	424 (4.95)	428 (5.09)	424 (4.37)	414 (3.31)	367 (8.23)
TUN	150875	33.84	99822	381 (8.14)	375 (5.33)	380 (6.46)	373 (5.80)	381 (5.16)	336 (4.16)
URY	33775	3.82	32486	447 (6.21)	442 (4.51)	438 (5.90)	444 (5.70)	424 (3.97)	352 (4.71)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to down-load music?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	519 (2.86)	523 (2.76)	532 (3.39)	543 (4.46)	539 (3.65)	424 (8.99)
AUT	85931	1.17	84927	492 (4.12)	492 (4.83)	498 (6.29)	496 (5.93)	496 (3.94)	403 (15.01)
BEL	111831	2.30	109260	517 (3.23)	527 (3.56)	524 (4.32)	521 (4.90)	509 (3.81)	390 (11.01)
CAN	330436	10.12	296990	520 (2.03)	525 (2.92)	526 (3.89)	530 (5.20)	539 (3.76)	490 (8.65)
CZE	121183	4.27	116013	512 (5.00)	533 (3.78)	541 (4.07)	546 (5.27)	533 (3.77)	449 (7.05)
DNK	51741	0.70	51378	472 (3.78)	473 (5.03)	477 (5.67)	488 (6.18)	486 (3.57)	375 (12.32)
FIN	57884	0.07	57845	544 (3.41)	544 (3.65)	557 (4.11)	555 (3.99)	551 (2.81)	490 (10.92)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (4.67)	513 (5.76)	516 (6.00)	515 (6.95)	523 (4.06)	425 (9.56)
GRC	105131	2.07	102960	483 (6.32)	484 (4.75)	489 (6.64)	488 (4.99)	478 (5.59)	431 (10.14)
HUN	107044	0.17	106867	500 (5.09)	507 (4.39)	513 (4.92)	513 (4.50)	505 (3.41)	408 (11.06)
ISL	3928	0.69	3901	487 (2.90)	493 (3.28)	500 (3.95)	498 (6.35)	513 (4.87)	413 (18.47)
IRL	54850	1.31	54133	498 (4.80)	506 (3.80)	511 (4.50)	516 (5.89)	508 (3.46)	441 (7.98)
ITA	481521	1.93	472204	494 (4.12)	489 (4.13)	504 (5.11)	507 (5.85)	485 (4.51)	409 (8.25)
JPN	1240054	1.42	1222475	564 (11.41)	556 (7.26)	564 (7.20)	550 (7.48)	549 (4.41)	527 (6.46)
KOR	533504	0.31	531834	521 (3.67)	550 (3.97)	561 (5.20)	553 (10.28)	537 (9.84)	469 (10.59)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	430 (5.02)	419 (4.11)	426 (4.91)	426 (5.56)	414 (3.80)	352 (4.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	508 (4.02)	526 (3.12)	530 (4.70)	538 (5.89)	541 (4.54)	415 (17.19)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (4.81)	499 (4.07)	503 (5.21)	506 (5.27)	498 (4.44)	452 (7.14)
PRT	96857	0.82	96058	487 (4.84)	463 (5.91)	470 (5.01)	472 (5.59)	465 (4.09)	404 (7.80)
SVK	77067	3.71	74208	476 (6.12)	503 (4.46)	523 (4.78)	524 (4.34)	510 (3.22)	428 (6.81)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	495 (3.28)	509 (5.55)	519 (5.23)	530 (5.54)	525 (4.53)	419 (18.00)
CHE	86491	0.48	86079	507 (4.04)	513 (6.61)	519 (7.88)	520 (6.12)	522 (4.53)	421 (8.77)
TUR	481279	13.78	414937	443 (8.37)	447 (9.25)	453 (9.49)	456 (7.49)	439 (6.96)	414 (5.16)
GBR	698579	91.67	58206	509 (3.82)	510 (4.75)	520 (6.55)	524 (7.71)	521 (5.22)	. (.)
USA	3147089	2.76	3060301	494 (3.36)	491 (4.07)	497 (5.08)	498 (5.87)	507 (4.66)	402 (10.48)
TOT	.	19.75	.	496 (1.65)	497 (1.91)	506 (1.95)	506 (1.89)	508 (1.86)	432 (3.58)
AVG	.	22.11	.	500 (0.81)	504 (1.07)	512 (1.17)	513 (1.16)	508 (1.04)	427 (2.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	491 (6.06)	489 (4.82)	490 (5.81)	498 (5.80)	496 (5.26)	443 (5.69)
LIE	338	0.30	337	521 (9.26)	529 (12.40)	. (.)	. (.)	530 (11.19)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	495 (6.94)	487 (7.68)	503 (5.59)	516 (8.50)	497 (4.93)	455 (6.33)
YUG	68596	1.92	67278	431 (4.56)	450 (4.68)	465 (6.11)	459 (6.31)	441 (3.68)	397 (5.12)
THA	637076	5.83	599963	452 (6.28)	437 (4.45)	438 (5.10)	435 (4.75)	424 (3.34)	390 (10.30)
TUN	150875	33.84	99822	402 (7.95)	395 (6.06)	400 (6.07)	398 (6.44)	408 (5.14)	359 (4.99)
URY	33775	3.82	32486	454 (5.97)	457 (4.28)	455 (6.79)	458 (6.49)	443 (4.00)	374 (5.53)

ICT Questionnaire – Question 5

Q5 How often do you use:
the Internet to down-load music?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.51)	530 (2.49)	536 (3.32)	544 (4.07)	540 (2.93)	436 (8.47)
AUT	85931	1.17	84927	505 (3.74)	510 (4.40)	514 (5.46)	513 (6.07)	510 (3.72)	410 (14.66)
BEL	111831	2.30	109260	533 (3.04)	543 (3.22)	541 (4.37)	537 (4.99)	526 (3.23)	413 (10.12)
CAN	330436	10.12	296990	533 (1.74)	536 (2.58)	537 (3.59)	540 (4.43)	542 (3.51)	498 (7.59)
CZE	121183	4.27	116013	511 (4.44)	528 (3.52)	538 (3.80)	540 (5.01)	524 (3.86)	442 (7.25)
DNK	51741	0.70	51378	510 (3.34)	514 (3.88)	521 (4.54)	529 (6.45)	527 (3.24)	441 (10.63)
FIN	57884	0.07	57845	542 (2.65)	546 (3.25)	556 (3.65)	552 (3.27)	551 (2.64)	493 (8.40)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	516 (4.32)	520 (4.86)	527 (5.77)	523 (6.07)	530 (3.45)	440 (9.10)
GRC	105131	2.07	102960	450 (5.75)	452 (5.54)	459 (6.06)	457 (5.69)	446 (5.11)	396 (9.07)
HUN	107044	0.17	106867	495 (4.87)	503 (4.64)	513 (4.65)	515 (4.52)	502 (3.34)	404 (10.10)
ISL	3928	0.69	3901	495 (2.69)	506 (2.68)	509 (3.82)	512 (5.57)	521 (4.75)	401 (18.15)
IRL	54850	1.31	54133	493 (4.25)	499 (3.24)	505 (3.95)	509 (4.94)	501 (2.80)	434 (6.94)
ITA	481521	1.93	472204	474 (3.95)	473 (4.05)	487 (4.93)	486 (4.87)	471 (4.14)	399 (7.76)
JPN	1240054	1.42	1222475	556 (10.03)	555 (6.30)	559 (7.35)	549 (6.89)	551 (4.22)	519 (6.16)
KOR	533504	0.31	531834	533 (3.19)	562 (3.44)	570 (4.58)	563 (8.56)	545 (8.63)	502 (8.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	418 (5.72)	401 (5.35)	411 (5.24)	411 (5.93)	393 (5.04)	320 (5.84)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.35	47008	522 (3.09)	538 (3.06)	543 (4.48)	547 (5.53)	551 (4.02)	429 (17.91)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	494 (4.27)	488 (3.53)	491 (4.85)	494 (4.82)	488 (3.90)	444 (6.75)
PRT	96857	0.82	96058	488 (4.90)	465 (6.32)	472 (4.89)	475 (5.67)	467 (4.28)	404 (8.85)
SVK	77067	3.71	74208	474 (5.77)	501 (5.26)	521 (4.31)	520 (4.58)	504 (3.12)	424 (5.72)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	500 (2.83)	513 (4.47)	521 (4.33)	528 (4.97)	519 (4.00)	442 (15.55)
CHE	86491	0.48	86079	519 (3.49)	520 (5.06)	526 (6.71)	526 (5.33)	529 (3.71)	425 (9.37)
TUR	481279	13.78	414937	418 (9.29)	426 (9.22)	426 (9.03)	427 (7.21)	414 (7.03)	382 (5.94)
GBR	698579	91.67	58206	520 (3.63)	523 (3.74)	531 (5.21)	535 (6.95)	536 (4.15)	. (.)
USA	3147089	2.76	3060301	480 (3.22)	478 (4.18)	483 (5.07)	488 (5.86)	492 (4.14)	382 (9.27)
TOT	.	19.75	.	490 (1.62)	491 (1.95)	499 (1.95)	500 (2.06)	502 (1.94)	417 (4.12)
AVG	.	22.11	.	503 (0.76)	506 (1.11)	512 (1.09)	512 (1.22)	508 (1.11)	420 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	488 (5.98)	483 (5.66)	487 (5.78)	490 (6.07)	485 (5.06)	439 (5.93)
LIE	338	0.30	337	525 (7.94)	530 (12.15)	. (.)	. (.)	536 (12.33)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	490 (7.90)	481 (8.27)	500 (6.86)	506 (7.56)	487 (4.78)	437 (6.30)
YUG	68596	1.92	67278	418 (4.65)	434 (4.46)	449 (5.48)	443 (6.32)	428 (3.39)	371 (5.69)
THA	637076	5.83	599963	447 (6.42)	433 (4.72)	437 (4.92)	430 (5.50)	421 (2.79)	380 (9.67)
TUN	150875	33.84	99822	370 (7.38)	360 (5.18)	358 (5.85)	359 (5.64)	366 (4.30)	320 (3.55)
URY	33775	3.82	32486	436 (6.65)	429 (5.52)	428 (6.22)	437 (7.51)	417 (4.57)	326 (5.44)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer for programming?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day %	(SE)	A few times each week %	(SE)	Between 1 pwk & 1 pmn %	(SE)	Less than 1 pmn %	(SE)	Never %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	9.07	(0.52)	14.96	(0.34)	19.91	(0.42)	19.67	(0.50)	33.93	(0.82)	2.46	(0.22)
AUT	85931	1.17	84927	10.54	(0.61)	12.48	(0.65)	16.78	(0.77)	17.85	(0.58)	40.36	(1.13)	1.98	(0.29)
BEL	111831	2.30	109260	10.20	(0.40)	11.92	(0.42)	15.45	(0.39)	15.50	(0.42)	41.32	(0.67)	5.61	(0.53)
CAN	330436	10.12	296990	14.09	(0.36)	14.33	(0.36)	18.47	(0.41)	17.22	(0.33)	32.49	(0.47)	3.39	(0.16)
CZE	121183	4.27	116013	7.18	(0.45)	10.63	(0.63)	16.18	(0.58)	18.73	(0.64)	40.73	(0.82)	6.55	(0.54)
DNK	51741	0.70	51378	8.72	(0.53)	10.43	(0.54)	14.58	(0.58)	15.97	(0.57)	46.01	(0.91)	4.29	(0.36)
FIN	57884	0.07	57845	4.17	(0.27)	6.42	(0.38)	12.83	(0.54)	21.91	(0.68)	51.79	(0.84)	2.87	(0.28)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	9.86	(0.49)	11.79	(0.52)	14.94	(0.59)	16.37	(0.62)	42.28	(0.90)	4.76	(0.47)
GRC	105131	2.07	102960	9.03	(0.53)	17.84	(0.44)	18.06	(0.66)	18.21	(0.64)	32.64	(0.93)	4.22	(0.32)
HUN	107044	0.17	106867	4.74	(0.35)	11.67	(0.60)	12.58	(0.58)	15.96	(0.58)	51.32	(0.92)	3.73	(0.38)
ISL	3928	0.69	3901	9.54	(0.48)	11.66	(0.60)	18.71	(0.65)	19.14	(0.62)	39.44	(0.77)	1.51	(0.20)
IRL	54850	1.31	54133	3.87	(0.33)	8.27	(0.49)	12.43	(0.53)	16.47	(0.54)	53.51	(0.84)	5.45	(0.48)
ITA	481521	1.93	472204	10.94	(0.52)	18.29	(0.65)	13.39	(0.36)	12.72	(0.41)	39.01	(0.85)	5.66	(0.40)
JPN	1240054	1.42	1222475	0.78	(0.14)	2.02	(0.23)	3.38	(0.31)	9.14	(0.49)	71.25	(0.82)	13.43	(0.69)
KOR	533504	0.31	531834	2.35	(0.20)	5.65	(0.36)	14.06	(0.48)	20.72	(0.56)	54.31	(0.82)	2.90	(0.27)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	9.04	(0.48)	17.52	(0.73)	12.65	(0.54)	10.79	(0.55)	33.73	(0.97)	16.26	(1.40)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.40	46984	9.47	(0.55)	14.82	(0.56)	19.05	(0.59)	19.13	(0.62)	35.93	(0.74)	1.60	(0.19)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	11.03	(0.48)	16.05	(0.65)	15.84	(0.61)	17.06	(0.59)	35.20	(0.79)	4.82	(0.42)
PRT	96857	0.82	96058	9.99	(0.45)	22.12	(0.86)	18.29	(0.59)	15.25	(0.59)	30.01	(0.82)	4.34	(0.40)
SVK	77067	3.71	74208	5.75	(0.34)	11.26	(0.49)	12.35	(0.49)	14.59	(0.55)	42.37	(0.90)	13.67	(0.95)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	8.57	(0.48)	8.83	(0.43)	14.48	(0.54)	17.71	(0.59)	47.34	(0.80)	3.07	(0.29)
CHE	86491	0.48	86079	8.14	(0.45)	11.93	(0.54)	13.20	(0.54)	17.65	(0.58)	46.66	(0.79)	2.43	(0.24)
TUR	481279	13.78	414937	10.39	(0.65)	18.43	(0.83)	11.31	(0.63)	11.17	(0.67)	27.15	(1.37)	21.55	(1.50)
GBR	698579	91.67	58206	8.51	(0.58)	17.86	(0.77)	20.52	(1.14)	16.35	(0.93)	35.28	(1.38)	1.49	(0.23)
USA	3147089	2.76	3060301	16.03	(0.51)	15.65	(0.53)	19.83	(0.66)	17.30	(0.51)	28.56	(0.73)	2.63	(0.22)
TOT	.	19.75	.	10.19	(0.16)	13.10	(0.20)	14.87	(0.21)	15.29	(0.21)	39.73	(0.32)	6.83	(0.19)
AVG	.	22.11	.	8.43	(0.09)	12.66	(0.13)	14.98	(0.10)	16.57	(0.12)	41.71	(0.20)	5.65	(0.12)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	5.14	(0.33)	9.64	(0.63)	11.76	(0.67)	13.91	(0.58)	52.68	(1.13)	6.87	(0.57)
LIE	338	0.30	337	10.34	(1.65)	11.82	(1.82)	18.13	(1.93)	18.05	(2.38)	38.28	(2.73)	3.38	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.05	2023194	4.73	(0.48)	13.20	(0.83)	12.47	(0.57)	10.02	(0.55)	45.96	(0.87)	13.62	(0.99)
YUG	68596	1.90	67296	10.26	(0.56)	13.56	(0.57)	9.92	(0.57)	9.23	(0.47)	40.97	(1.06)	16.06	(1.14)
THA	637076	5.83	599963	3.59	(0.32)	18.85	(1.01)	17.07	(0.68)	15.38	(0.75)	43.15	(1.47)	1.96	(0.26)
TUN	150875	33.84	99822	7.88	(0.49)	15.19	(0.69)	12.03	(0.57)	12.23	(0.60)	24.97	(1.04)	27.70	(1.34)
URY	33775	3.82	32486	7.33	(0.50)	11.95	(0.69)	10.15	(0.55)	11.66	(0.64)	44.12	(1.19)	14.79	(1.01)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer for programming?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	490 (4.06)	497 (2.78)	518 (3.15)	542 (2.88)	552 (2.48)	414 (9.42)
AUT	85931	1.17	84927	461 (7.69)	485 (7.03)	472 (4.59)	495 (4.89)	517 (4.17)	413 (15.80)
BEL	111831	2.30	109260	485 (4.77)	491 (4.50)	524 (3.81)	537 (3.12)	525 (3.62)	387 (12.85)
CAN	330436	10.12	296990	511 (3.12)	519 (2.72)	528 (2.92)	539 (2.57)	548 (2.17)	497 (6.91)
CZE	121183	4.27	116013	472 (6.81)	484 (4.74)	495 (3.39)	506 (3.86)	510 (3.71)	429 (8.32)
DNK	51741	0.70	51378	463 (5.70)	470 (4.90)	482 (4.61)	501 (4.53)	512 (2.70)	411 (9.78)
FIN	57884	0.07	57845	494 (6.16)	517 (5.55)	526 (3.99)	544 (3.04)	558 (1.84)	493 (8.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	462 (6.40)	476 (5.91)	489 (5.44)	512 (4.95)	528 (3.71)	403 (11.05)
GRC	105131	2.07	102960	453 (7.00)	456 (6.80)	478 (6.21)	487 (5.48)	483 (5.02)	423 (9.54)
HUN	107044	0.17	106867	453 (8.01)	461 (4.51)	480 (5.63)	490 (3.91)	493 (2.88)	399 (10.26)
ISL	3928	0.69	3901	444 (6.34)	463 (5.07)	487 (3.52)	497 (4.13)	518 (2.81)	382 (20.33)
IRL	54850	1.31	54133	474 (8.64)	485 (5.93)	509 (4.47)	522 (4.00)	529 (2.79)	446 (7.81)
ITA	481521	1.93	472204	436 (4.87)	455 (5.15)	490 (4.06)	496 (4.18)	500 (3.22)	406 (8.34)
JPN	1240054	1.42	1222475	480 (16.43)	510 (12.17)	494 (10.67)	506 (8.07)	505 (3.91)	463 (6.35)
KOR	533504	0.31	531834	511 (9.78)	512 (5.74)	522 (3.75)	535 (3.74)	544 (3.20)	468 (10.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	414 (5.85)	409 (5.41)	426 (5.94)	437 (7.31)	426 (3.78)	332 (6.59)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	478 (5.31)	484 (4.92)	519 (4.59)	543 (4.25)	551 (3.23)	447 (14.63)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	475 (4.76)	482 (4.76)	498 (5.16)	512 (4.34)	514 (3.68)	443 (8.38)
PRT	96857	0.82	96058	456 (5.19)	456 (6.32)	486 (4.32)	494 (4.31)	497 (3.94)	420 (8.88)
SVK	77067	3.71	74208	459 (7.56)	460 (4.46)	484 (3.96)	490 (4.53)	490 (3.18)	407 (5.61)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	473 (5.46)	480 (5.38)	509 (4.87)	516 (4.32)	536 (2.86)	427 (16.22)
CHE	86491	0.48	86079	464 (4.99)	466 (6.66)	495 (4.21)	506 (3.87)	517 (4.31)	413 (11.14)
TUR	481279	13.78	414937	415 (7.53)	430 (5.51)	449 (8.89)	467 (7.89)	476 (9.27)	420 (5.81)
GBR	698579	91.67	58206	483 (6.39)	502 (4.44)	507 (4.85)	533 (5.33)	531 (3.62)	466 (17.36)
USA	3147089	2.76	3060301	468 (4.34)	473 (4.18)	499 (3.85)	516 (4.68)	524 (4.12)	429 (11.80)
TOT	.	19.75	.	462 (2.25)	466 (2.29)	493 (1.93)	509 (2.22)	511 (1.50)	413 (3.97)
AVG	.	22.11	.	465 (1.10)	471 (1.37)	496 (1.08)	511 (1.05)	517 (0.83)	417 (2.39)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	471 (8.74)	468 (6.95)	480 (5.71)	489 (6.11)	504 (3.65)	458 (6.51)
LIE	338	0.30	337	496 (12.56)	497 (16.76)	518 (12.10)	513 (12.36)	552 (7.38)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	441 (8.92)	445 (7.22)	460 (5.58)	467 (4.64)	447 (4.41)	408 (6.12)
YUG	68596	1.90	67296	395 (5.57)	413 (4.17)	427 (5.16)	441 (5.67)	426 (4.05)	366 (5.39)
THA	637076	5.83	599963	401 (7.07)	400 (3.89)	423 (4.50)	428 (4.70)	434 (3.64)	381 (9.51)
TUN	150875	33.84	99822	378 (8.54)	384 (5.50)	381 (7.09)	398 (6.25)	400 (5.03)	351 (5.56)
URY	33775	3.82	32486	425 (9.06)	440 (7.56)	448 (8.76)	462 (7.37)	453 (4.05)	361 (6.38)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer for programming?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	497 (4.18)	503 (2.84)	518 (3.20)	537 (2.91)	545 (2.29)	435 (8.42)
AUT	85931	1.17	84927	490 (7.66)	511 (5.98)	493 (4.35)	507 (4.15)	520 (3.62)	435 (17.32)
BEL	111831	2.30	109260	514 (4.44)	515 (4.60)	550 (3.82)	558 (2.86)	544 (3.36)	417 (10.30)
CAN	330436	10.12	296990	524 (3.34)	528 (2.89)	533 (2.34)	542 (2.32)	548 (2.23)	502 (5.96)
CZE	121183	4.27	116013	517 (7.21)	516 (6.03)	527 (4.24)	533 (3.83)	531 (3.90)	445 (7.00)
DNK	51741	0.70	51378	498 (5.76)	498 (4.82)	507 (4.67)	525 (3.85)	527 (3.06)	443 (8.61)
FIN	57884	0.07	57845	516 (6.97)	537 (5.60)	533 (4.22)	546 (2.35)	553 (2.23)	496 (7.49)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	484 (6.46)	501 (5.69)	505 (5.21)	520 (4.37)	528 (3.90)	432 (9.47)
GRC	105131	2.07	102960	434 (5.65)	432 (5.52)	452 (5.64)	458 (4.94)	454 (4.56)	399 (8.29)
HUN	107044	0.17	106867	477 (7.64)	474 (6.10)	496 (5.01)	500 (4.38)	497 (2.79)	403 (8.99)
ISL	3928	0.69	3901	480 (6.00)	492 (4.76)	513 (3.34)	519 (3.92)	533 (2.55)	428 (18.08)
IRL	54850	1.31	54133	477 (8.23)	481 (5.51)	498 (3.83)	509 (4.08)	513 (2.66)	442 (6.46)
ITA	481521	1.93	472204	440 (4.08)	449 (5.15)	483 (4.49)	483 (3.65)	481 (3.55)	407 (5.92)
JPN	1240054	1.42	1222475	524 (17.95)	536 (11.44)	529 (10.34)	548 (9.03)	538 (3.90)	509 (5.90)
KOR	533504	0.31	531834	507 (10.18)	514 (6.36)	527 (3.96)	542 (4.26)	554 (3.43)	486 (8.96)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	401 (6.33)	392 (4.97)	410 (4.72)	414 (5.57)	407 (3.65)	326 (6.14)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	481 (5.15)	491 (4.14)	519 (3.55)	545 (4.17)	551 (2.90)	447 (12.28)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	485 (4.82)	484 (4.07)	495 (4.09)	501 (3.76)	498 (3.44)	442 (7.07)
PRT	96857	0.82	96058	457 (5.27)	447 (5.45)	477 (3.85)	478 (4.15)	481 (3.65)	408 (6.53)
SVK	77067	3.71	74208	501 (6.46)	497 (5.17)	516 (3.96)	516 (3.61)	515 (3.06)	436 (6.34)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	479 (5.13)	486 (5.43)	508 (4.88)	510 (3.82)	525 (3.05)	433 (14.90)
CHE	86491	0.48	86079	504 (4.65)	506 (5.85)	525 (4.20)	536 (4.51)	537 (4.25)	440 (10.84)
TUR	481279	13.78	414937	394 (8.53)	412 (6.49)	446 (9.84)	454 (8.47)	467 (11.65)	395 (6.47)
GBR	698579	91.67	58206	505 (6.74)	517 (4.49)	516 (4.50)	536 (5.24)	534 (3.30)	482 (16.46)
USA	3147089	2.76	3060301	464 (4.13)	464 (4.10)	485 (3.65)	503 (4.03)	505 (3.56)	409 (9.58)
TOT	.	19.75	.	464 (2.19)	463 (2.23)	489 (1.81)	507 (1.94)	511 (1.41)	421 (4.03)
AVG	.	22.11	.	477 (1.11)	478 (1.24)	502 (0.99)	515 (0.97)	519 (0.82)	425 (2.38)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	482 (6.64)	473 (5.81)	479 (6.70)	486 (6.11)	491 (3.66)	446 (5.38)
LIE	338	0.30	337	506 (14.93)	526 (17.50)	535 (12.76)	520 (13.27)	553 (8.56)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	476 (8.39)	477 (7.55)	489 (6.23)	493 (5.16)	471 (4.51)	436 (5.23)
YUG	68596	1.90	67296	419 (6.33)	441 (3.82)	449 (5.62)	469 (5.27)	451 (4.12)	389 (5.48)
THA	637076	5.83	599963	387 (8.68)	394 (4.00)	418 (5.19)	425 (4.29)	435 (3.47)	372 (9.20)
TUN	150875	33.84	99822	372 (7.62)	371 (4.99)	372 (6.26)	381 (6.82)	387 (4.60)	338 (3.89)
URY	33775	3.82	32486	419 (8.75)	431 (6.09)	441 (6.38)	446 (5.79)	437 (3.27)	358 (4.82)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer for programming?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	499 (5.17)	501 (3.37)	518 (3.54)	538 (2.91)	548 (2.54)	433 (8.94)
AUT	85931	1.17	84927	474 (8.04)	493 (6.47)	476 (4.46)	490 (4.83)	509 (3.96)	421 (15.05)
BEL	111831	2.30	109260	492 (4.56)	494 (4.65)	525 (3.83)	535 (3.35)	524 (3.35)	399 (11.09)
CAN	330436	10.12	296990	506 (3.66)	512 (3.13)	517 (3.15)	529 (3.16)	539 (2.57)	487 (7.76)
CZE	121183	4.27	116013	519 (7.84)	525 (5.34)	529 (3.96)	536 (4.13)	539 (3.90)	454 (7.12)
DNK	51741	0.70	51378	465 (6.15)	460 (6.87)	469 (5.30)	484 (4.12)	489 (3.32)	382 (10.46)
FIN	57884	0.07	57845	520 (9.03)	536 (6.49)	535 (4.51)	548 (2.85)	558 (2.40)	492 (9.18)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	484 (7.18)	497 (6.36)	503 (5.88)	521 (4.91)	532 (3.98)	419 (9.92)
GRC	105131	2.07	102960	471 (6.48)	467 (6.46)	484 (5.02)	492 (5.09)	491 (4.61)	440 (8.42)
HUN	107044	0.17	106867	491 (7.56)	489 (5.46)	506 (5.67)	513 (4.76)	511 (3.10)	413 (9.79)
ISL	3928	0.69	3901	463 (6.19)	469 (5.07)	492 (3.55)	498 (4.16)	514 (2.52)	416 (17.47)
IRL	54850	1.31	54133	476 (8.43)	480 (5.73)	499 (4.34)	512 (4.46)	517 (2.95)	441 (7.47)
ITA	481521	1.93	472204	459 (5.71)	468 (5.47)	502 (4.69)	505 (4.65)	507 (3.66)	414 (7.21)
JPN	1240054	1.42	1222475	549 (18.34)	561 (11.71)	547 (10.54)	558 (8.96)	551 (4.23)	525 (6.42)
KOR	533504	0.31	531834	519 (11.94)	512 (7.69)	523 (4.60)	538 (4.68)	550 (3.63)	476 (10.15)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	418 (5.88)	411 (4.42)	423 (4.46)	430 (5.30)	425 (3.85)	355 (4.93)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	477 (5.37)	485 (4.22)	514 (4.01)	542 (4.39)	551 (3.24)	448 (12.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	485 (5.75)	489 (4.79)	504 (5.27)	509 (5.12)	507 (3.97)	452 (7.37)
PRT	96857	0.82	96058	461 (4.45)	448 (6.11)	477 (4.72)	481 (4.61)	483 (3.83)	405 (7.84)
SVK	77067	3.71	74208	498 (7.94)	494 (5.71)	514 (3.99)	515 (4.23)	514 (3.31)	430 (6.88)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	473 (6.18)	477 (7.20)	502 (5.28)	506 (4.89)	526 (3.39)	421 (16.00)
CHE	86491	0.48	86079	485 (5.69)	487 (6.75)	512 (4.22)	520 (5.25)	528 (4.69)	418 (10.44)
TUR	481279	13.78	414937	409 (7.72)	422 (5.75)	451 (8.93)	461 (8.13)	469 (10.06)	414 (5.24)
GBR	698579	91.67	58206	493 (6.80)	502 (5.16)	505 (5.84)	526 (5.71)	526 (4.15)	490 (15.85)
USA	3147089	2.76	3060301	470 (4.57)	469 (4.02)	494 (3.77)	510 (4.28)	518 (3.90)	414 (11.27)
TOT	.	19.75	.	469 (2.35)	469 (2.18)	494 (1.85)	512 (2.07)	520 (1.51)	434 (3.73)
AVG	.	22.11	.	476 (1.21)	478 (1.26)	500 (1.00)	514 (1.07)	520 (0.81)	430 (2.15)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	482 (8.87)	476 (7.07)	486 (6.14)	488 (6.12)	500 (3.97)	446 (5.51)
LIE	338	0.30	337	496 (15.30)	505 (17.61)	524 (14.04)	507 (15.60)	547 (8.45)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	494 (8.53)	494 (8.08)	508 (5.83)	513 (5.26)	493 (4.76)	455 (6.33)
YUG	68596	1.90	67296	413 (5.67)	436 (3.90)	449 (6.20)	466 (6.02)	450 (3.88)	397 (5.14)
THA	637076	5.83	599963	407 (7.68)	409 (3.87)	430 (4.15)	438 (3.99)	444 (3.76)	398 (11.32)
TUN	150875	33.84	99822	390 (8.03)	392 (5.96)	396 (6.63)	409 (6.03)	412 (5.00)	359 (4.73)
URY	33775	3.82	32486	432 (9.81)	440 (5.97)	452 (7.53)	462 (5.52)	455 (3.29)	378 (5.42)

ICT Questionnaire – Question 5

Q5 How often do you use:
the computer for programming?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	504 (3.88)	508 (2.72)	525 (3.12)	543 (2.66)	549 (2.27)	443 (8.51)
AUT	85931	1.17	84927	490 (7.41)	508 (5.75)	494 (4.70)	508 (4.15)	521 (3.46)	438 (16.61)
BEL	111831	2.30	109260	508 (4.50)	510 (4.50)	544 (3.71)	553 (2.99)	539 (3.00)	421 (10.02)
CAN	330436	10.12	296990	520 (3.25)	526 (2.89)	532 (2.22)	540 (2.15)	546 (2.13)	495 (5.96)
CZE	121183	4.27	116013	517 (6.76)	519 (5.66)	527 (4.07)	533 (3.99)	530 (3.85)	446 (7.25)
DNK	51741	0.70	51378	501 (4.98)	500 (4.72)	509 (4.61)	528 (3.83)	530 (2.76)	445 (8.46)
FIN	57884	0.07	57845	521 (7.68)	543 (5.66)	539 (4.31)	550 (2.73)	555 (2.21)	495 (7.94)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	492 (6.24)	506 (5.58)	513 (5.12)	529 (4.33)	537 (3.64)	435 (9.13)
GRC	105131	2.07	102960	432 (7.04)	434 (5.93)	454 (6.07)	462 (4.76)	459 (4.75)	404 (7.82)
HUN	107044	0.17	106867	481 (7.82)	485 (5.35)	504 (5.30)	510 (4.78)	510 (2.89)	409 (9.47)
ISL	3928	0.69	3901	476 (5.58)	484 (3.89)	502 (3.45)	508 (3.85)	522 (2.67)	416 (17.51)
IRL	54850	1.31	54133	472 (7.69)	480 (5.13)	497 (3.35)	505 (4.08)	508 (2.65)	437 (6.51)
ITA	481521	1.93	472204	440 (5.62)	452 (5.98)	490 (4.40)	491 (3.91)	487 (3.55)	402 (7.35)
JPN	1240054	1.42	1222475	531 (17.68)	554 (12.56)	543 (10.65)	555 (9.40)	553 (3.98)	518 (6.15)
KOR	533504	0.31	531834	519 (9.24)	525 (6.08)	534 (3.68)	552 (3.89)	561 (3.28)	503 (8.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	406 (6.21)	394 (5.53)	411 (5.90)	415 (7.52)	406 (4.46)	321 (6.06)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	493 (5.15)	503 (4.00)	531 (3.93)	552 (3.97)	558 (2.78)	463 (13.21)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	480 (5.03)	478 (4.54)	491 (4.27)	498 (4.25)	495 (3.46)	442 (7.23)
PRT	96857	0.82	96058	458 (4.95)	450 (6.30)	481 (3.92)	483 (4.76)	486 (4.11)	406 (9.81)
SVK	77067	3.71	74208	499 (6.59)	492 (4.87)	511 (3.80)	513 (3.45)	507 (3.19)	426 (6.05)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	476 (5.11)	484 (5.69)	506 (5.12)	511 (3.42)	524 (2.72)	449 (15.08)
CHE	86491	0.48	86079	500 (4.92)	498 (5.67)	521 (3.82)	528 (4.34)	534 (4.10)	424 (11.38)
TUR	481279	13.78	414937	383 (8.45)	401 (6.08)	423 (9.31)	434 (7.58)	444 (10.27)	382 (6.45)
GBR	698579	91.67	58206	504 (6.87)	517 (4.82)	518 (4.69)	540 (5.47)	536 (3.19)	478 (15.57)
USA	3147089	2.76	3060301	456 (4.31)	458 (4.24)	481 (3.83)	498 (4.18)	502 (3.78)	394 (10.59)
TOT	.	19.75	.	460 (2.29)	461 (2.37)	488 (1.94)	507 (1.97)	515 (1.50)	418 (4.21)
AVG	.	22.11	.	477 (1.17)	478 (1.29)	503 (1.02)	516 (0.98)	520 (0.83)	423 (2.54)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	481 (6.69)	471 (6.93)	479 (6.98)	486 (6.29)	491 (4.10)	442 (6.02)
LIE	338	0.30	337	506 (13.01)	516 (17.14)	527 (12.57)	516 (11.72)	549 (9.05)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	490 (9.67)	490 (8.74)	503 (6.40)	508 (5.76)	481 (4.88)	438 (6.34)
YUG	68596	1.90	67296	404 (5.76)	423 (4.12)	433 (5.32)	452 (5.01)	435 (3.72)	371 (5.84)
THA	637076	5.83	599963	407 (8.97)	407 (4.00)	428 (5.16)	434 (4.45)	438 (3.23)	386 (11.51)
TUN	150875	33.84	99822	356 (7.45)	356 (4.48)	355 (5.91)	365 (6.07)	370 (4.23)	324 (3.41)
URY	33775	3.82	32486	407 (10.01)	418 (7.93)	428 (6.89)	437 (7.06)	429 (3.74)	336 (5.88)

ICT Questionnaire – Question 5

Q5 How often do you use:
a computer for electronic communication (e.g. e-mail or “chat rooms”)?

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day % (SE)	A few times each week % (SE)	Between 1 pwk & 1 pmn % (SE)	Less than 1 pmn % (SE)	Never % (SE)	Missing % (SE)
AUS	235591	0.47	234483	36.55 (0.73)	30.41 (0.55)	13.52 (0.41)	7.24 (0.31)	10.01 (0.31)	2.26 (0.21)
AUT	85931	1.17	84927	30.28 (0.83)	27.26 (0.60)	17.08 (0.63)	9.79 (0.44)	14.24 (0.64)	1.35 (0.20)
BEL	111831	2.30	109260	46.38 (0.75)	20.70 (0.56)	8.15 (0.35)	5.25 (0.24)	14.26 (0.52)	5.27 (0.54)
CAN	330436	10.12	296990	60.25 (0.47)	20.24 (0.38)	7.52 (0.31)	3.84 (0.21)	5.15 (0.23)	3.01 (0.21)
CZE	121183	4.27	116013	18.12 (0.75)	27.30 (0.72)	21.59 (0.78)	11.37 (0.46)	15.61 (0.67)	6.00 (0.52)
DNK	51741	0.70	51378	35.52 (1.20)	24.93 (0.65)	12.66 (0.57)	9.88 (0.47)	13.41 (0.67)	3.60 (0.35)
FIN	57884	0.07	57845	32.07 (0.71)	25.88 (0.65)	20.15 (0.55)	10.83 (0.51)	8.67 (0.46)	2.40 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	31.00 (0.85)	20.67 (0.61)	13.68 (0.55)	11.11 (0.60)	18.69 (0.68)	4.85 (0.45)
GRC	105131	2.07	102960	14.56 (0.67)	20.19 (0.63)	16.57 (0.64)	14.71 (0.55)	30.99 (1.05)	2.98 (0.34)
HUN	107044	0.17	106867	15.14 (0.66)	30.90 (0.97)	17.14 (0.55)	12.02 (0.51)	21.43 (0.99)	3.36 (0.35)
ISL	3928	0.69	3901	44.24 (0.93)	25.78 (0.70)	12.76 (0.60)	7.82 (0.42)	8.15 (0.47)	1.26 (0.19)
IRL	54850	1.31	54133	11.88 (0.61)	20.94 (0.79)	16.59 (0.59)	12.98 (0.54)	33.05 (0.85)	4.55 (0.45)
ITA	481521	1.93	472204	19.13 (0.59)	19.52 (0.68)	13.21 (0.53)	10.94 (0.53)	32.08 (0.89)	5.12 (0.40)
JPN	1240054	1.42	1222475	10.91 (0.54)	8.52 (0.40)	9.97 (0.46)	14.84 (0.52)	42.67 (0.93)	13.09 (0.68)
KOR	533504	0.31	531834	37.36 (0.83)	34.19 (0.65)	16.00 (0.61)	5.78 (0.35)	4.09 (0.27)	2.57 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	19.13 (1.03)	20.73 (0.64)	10.67 (0.44)	7.89 (0.42)	26.43 (1.30)	15.16 (1.36)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	38.75 (0.83)	29.29 (0.74)	12.91 (0.54)	7.67 (0.44)	10.26 (0.49)	1.11 (0.18)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	20.71 (0.79)	21.83 (0.78)	18.53 (0.68)	13.28 (0.57)	21.05 (0.93)	4.60 (0.40)
PRT	96857	0.82	96058	23.63 (1.02)	27.31 (0.76)	11.80 (0.60)	10.26 (0.54)	22.91 (0.80)	4.10 (0.39)
SVK	77067	3.71	74208	8.40 (0.39)	17.02 (0.83)	15.40 (0.61)	11.26 (0.48)	34.32 (0.94)	13.60 (0.92)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	47.69 (0.89)	24.90 (0.70)	11.33 (0.59)	6.33 (0.46)	6.73 (0.41)	3.02 (0.27)
CHE	86491	0.48	86079	31.91 (0.77)	24.98 (0.64)	15.11 (0.57)	9.05 (0.41)	16.48 (0.84)	2.48 (0.24)
TUR	481279	13.78	414937	14.10 (0.61)	19.40 (1.24)	10.28 (0.58)	8.98 (0.60)	25.00 (1.03)	22.23 (1.47)
GBR	698579	91.67	58206	41.18 (1.46)	27.22 (0.95)	12.40 (0.69)	7.23 (0.58)	11.07 (0.72)	0.90 (.)
USA	3147089	2.76	3060301	47.94 (0.82)	21.45 (0.61)	11.32 (0.54)	7.06 (0.38)	9.68 (0.53)	2.55 (0.21)
TOT	.	19.75	.	31.82 (0.35)	20.81 (0.24)	12.36 (0.21)	9.26 (0.16)	19.19 (0.28)	6.57 (0.18)
AVG	.	22.11	.	29.06 (0.17)	23.60 (0.15)	13.97 (0.10)	9.61 (0.09)	18.48 (0.15)	5.28 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	13.99 (0.69)	23.86 (0.95)	17.10 (0.88)	12.66 (0.76)	25.91 (1.40)	6.48 (0.55)
LIE	338	0.30	337	49.18 (2.88)	24.71 (2.28)	10.96 (1.85)	5.72 (.)	6.68 (.)	2.75 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	7.28 (0.61)	8.36 (0.60)	6.90 (0.40)	7.13 (0.43)	56.59 (1.21)	13.75 (0.98)
YUG	68596	1.92	67278	12.74 (0.62)	11.18 (0.53)	7.70 (0.43)	7.80 (0.45)	44.51 (1.19)	16.07 (1.13)
THA	637076	5.83	599963	7.06 (0.53)	16.60 (0.79)	12.20 (0.60)	11.61 (0.60)	50.82 (1.58)	1.70 (0.26)
TUN	150875	33.84	99822	8.53 (0.63)	13.66 (0.78)	10.59 (0.60)	11.57 (0.69)	30.80 (1.23)	24.84 (1.34)
URY	33775	3.82	32486	18.34 (0.75)	19.41 (0.82)	9.29 (0.57)	8.86 (0.55)	30.65 (1.29)	13.45 (0.96)

ICT Questionnaire – Question 5

Q5 How often do you use:
a computer for electronic communication (e.g. e-mail or “chat rooms”)?

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (2.44)	538 (2.57)	526 (3.96)	523 (4.48)	498 (3.33)	404 (8.58)
AUT	85931	1.17	84927	500 (4.39)	509 (4.26)	497 (5.34)	485 (4.88)	462 (5.32)	390 (14.74)
BEL	111831	2.30	109260	534 (2.58)	527 (3.77)	510 (4.90)	508 (6.27)	466 (5.39)	375 (12.57)
CAN	330436	10.12	296990	537 (1.60)	536 (2.73)	518 (3.59)	515 (5.27)	510 (5.47)	486 (7.16)
CZE	121183	4.27	116013	500 (3.94)	514 (3.47)	508 (3.43)	501 (4.29)	468 (4.68)	424 (8.99)
DNK	51741	0.70	51378	495 (3.67)	500 (3.38)	500 (5.33)	504 (4.72)	481 (4.66)	403 (9.74)
FIN	57884	0.07	57845	547 (2.66)	549 (2.55)	553 (2.92)	540 (4.05)	511 (4.77)	491 (9.91)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	516 (4.04)	508 (4.70)	523 (4.85)	501 (6.24)	478 (4.44)	405 (10.21)
GRC	105131	2.07	102960	474 (6.40)	475 (5.66)	482 (6.82)	481 (6.25)	469 (4.36)	406 (16.54)
HUN	107044	0.17	106867	495 (4.46)	492 (3.31)	498 (4.08)	492 (4.83)	454 (4.30)	391 (11.67)
ISL	3928	0.69	3901	492 (2.34)	504 (2.97)	494 (4.76)	494 (6.47)	472 (6.57)	356 (20.16)
IRL	54850	1.31	54133	517 (4.81)	530 (4.42)	531 (4.07)	532 (4.00)	502 (3.56)	438 (9.07)
ITA	481521	1.93	472204	476 (3.93)	486 (4.52)	498 (4.28)	493 (5.20)	472 (3.89)	402 (8.77)
JPN	1240054	1.42	1222475	529 (5.54)	521 (6.92)	528 (6.15)	524 (5.03)	483 (4.72)	462 (6.38)
KOR	533504	0.31	531834	531 (3.30)	545 (3.56)	546 (4.03)	527 (5.92)	491 (7.87)	463 (10.63)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	444 (3.94)	426 (5.17)	427 (6.06)	427 (5.20)	401 (4.35)	325 (6.48)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	531 (3.13)	530 (3.48)	526 (5.63)	519 (6.41)	503 (5.22)	415 (16.06)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	511 (4.07)	500 (4.32)	508 (4.26)	507 (4.37)	482 (4.33)	443 (8.70)
PRT	96857	0.82	96058	499 (5.73)	477 (5.25)	486 (5.12)	482 (5.49)	464 (4.70)	414 (9.21)
SVK	77067	3.71	74208	485 (5.86)	499 (4.37)	506 (3.52)	494 (4.09)	461 (3.18)	405 (5.65)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.87)	525 (4.19)	527 (5.51)	520 (6.64)	486 (5.80)	417 (16.57)
CHE	86491	0.48	86079	514 (4.59)	509 (3.52)	507 (5.26)	498 (4.55)	462 (4.83)	419 (10.96)
TUR	481279	13.78	414937	457 (9.20)	460 (10.84)	462 (9.30)	464 (9.94)	436 (5.31)	419 (5.33)
GBR	698579	91.67	58206	520 (3.42)	521 (4.36)	514 (5.52)	518 (7.64)	498 (5.42)	. (.)
USA	3147089	2.76	3060301	514 (3.16)	500 (4.37)	485 (5.35)	472 (6.22)	471 (6.73)	417 (10.46)
TOT	.	19.75	.	511 (1.59)	500 (1.94)	499 (1.95)	492 (2.23)	465 (2.11)	409 (3.99)
AVG	.	22.11	.	513 (0.76)	509 (0.98)	508 (1.14)	501 (1.17)	470 (1.30)	411 (2.59)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	494 (5.21)	497 (5.28)	505 (5.58)	508 (5.97)	475 (4.14)	454 (6.33)
LIE	338	0.30	337	538 (6.17)	531 (9.26)	510 (18.07)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	460 (6.30)	453 (7.24)	463 (6.73)	464 (7.21)	446 (4.32)	407 (6.27)
YUG	68596	1.92	67278	425 (5.63)	427 (5.38)	430 (5.99)	431 (5.88)	417 (3.68)	366 (5.29)
THA	637076	5.83	599963	456 (6.12)	433 (5.47)	430 (5.31)	436 (4.97)	411 (2.95)	375 (10.23)
TUN	150875	33.84	99822	391 (8.82)	391 (7.54)	380 (6.71)	386 (7.51)	396 (4.69)	347 (5.80)
URY	33775	3.82	32486	473 (6.18)	461 (5.44)	448 (7.95)	457 (7.64)	425 (5.19)	354 (6.60)

ICT Questionnaire – Question 5

Q5 How often do you use:
a computer for electronic communication (e.g. e-mail or “chat rooms”)?

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (2.34)	534 (2.67)	526 (4.46)	520 (4.35)	495 (3.44)	428 (8.40)
AUT	85931	1.17	84927	511 (4.16)	520 (3.82)	510 (4.96)	507 (5.31)	483 (4.63)	411 (16.35)
BEL	111831	2.30	109260	557 (2.53)	548 (3.53)	530 (4.60)	524 (5.95)	485 (4.95)	409 (10.29)
CAN	330436	10.12	296990	540 (1.73)	543 (2.52)	528 (3.63)	522 (4.82)	518 (5.76)	493 (6.89)
CZE	121183	4.27	116013	530 (4.70)	540 (4.10)	534 (3.92)	528 (4.78)	495 (4.40)	440 (7.48)
DNK	51741	0.70	51378	517 (3.68)	521 (3.62)	525 (4.66)	526 (6.27)	500 (4.81)	438 (9.67)
FIN	57884	0.07	57845	546 (2.68)	545 (3.05)	550 (3.23)	552 (4.26)	526 (4.80)	497 (8.18)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.95)	521 (4.82)	530 (4.75)	510 (6.39)	485 (4.19)	436 (9.10)
GRC	105131	2.07	102960	452 (5.61)	453 (4.66)	457 (5.99)	456 (5.40)	435 (4.03)	378 (12.24)
HUN	107044	0.17	106867	503 (4.99)	496 (3.59)	511 (4.31)	502 (4.01)	464 (4.24)	394 (8.93)
ISL	3928	0.69	3901	517 (2.30)	525 (2.82)	517 (5.05)	513 (5.70)	490 (5.86)	420 (17.76)
IRL	54850	1.31	54133	505 (4.50)	516 (4.15)	516 (3.83)	518 (4.18)	490 (3.40)	439 (7.78)
ITA	481521	1.93	472204	470 (4.04)	474 (3.73)	492 (4.48)	484 (4.99)	455 (3.98)	405 (6.28)
JPN	1240054	1.42	1222475	555 (6.07)	550 (5.72)	559 (6.67)	558 (5.17)	521 (4.78)	510 (6.00)
KOR	533504	0.31	531834	531 (3.50)	556 (4.04)	559 (4.36)	544 (6.21)	500 (7.55)	481 (9.01)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	425 (4.02)	409 (4.20)	410 (5.04)	411 (3.91)	383 (4.19)	320 (6.10)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	529 (3.07)	534 (2.85)	528 (5.58)	526 (5.92)	508 (5.02)	421 (13.69)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	506 (3.62)	496 (3.76)	501 (3.89)	496 (4.19)	472 (3.98)	442 (7.42)
PRT	96857	0.82	96058	487 (5.24)	467 (4.88)	479 (4.19)	467 (4.43)	449 (3.96)	403 (7.74)
SVK	77067	3.71	74208	517 (5.22)	529 (4.52)	535 (3.85)	521 (4.16)	490 (3.26)	434 (6.40)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (2.93)	520 (3.89)	520 (5.46)	517 (6.19)	484 (5.89)	428 (14.34)
CHE	86491	0.48	86079	544 (4.74)	538 (3.71)	531 (4.84)	523 (5.14)	487 (4.24)	440 (10.16)
TUR	481279	13.78	414937	445 (10.42)	455 (12.70)	456 (10.33)	446 (9.77)	417 (6.16)	394 (6.14)
GBR	698579	91.67	58206	527 (3.24)	529 (3.73)	524 (5.07)	530 (7.33)	505 (4.61)	. (.)
USA	3147089	2.76	3060301	500 (3.19)	488 (3.81)	473 (4.85)	463 (5.46)	459 (5.23)	396 (7.77)
TOT	.	19.75	.	506 (1.61)	498 (1.55)	499 (1.86)	496 (1.91)	470 (2.24)	417 (4.09)
AVG	.	22.11	.	518 (0.83)	514 (0.94)	514 (1.08)	506 (1.09)	474 (1.32)	421 (2.49)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	491 (5.38)	492 (4.40)	503 (6.22)	496 (6.41)	464 (3.94)	444 (5.09)
LIE	338	0.30	337	553 (5.81)	533 (11.15)	522 (17.80)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	490 (6.41)	484 (7.52)	493 (7.09)	496 (6.02)	471 (4.67)	436 (5.30)
YUG	68596	1.92	67278	448 (5.75)	458 (5.67)	459 (6.01)	459 (5.34)	440 (3.74)	390 (5.31)
THA	637076	5.83	599963	460 (7.21)	433 (5.52)	430 (5.83)	434 (4.18)	406 (3.24)	371 (10.13)
TUN	150875	33.84	99822	377 (8.47)	380 (7.04)	370 (5.75)	373 (7.31)	382 (4.20)	335 (4.26)
URY	33775	3.82	32486	457 (5.51)	452 (4.13)	442 (6.52)	438 (5.89)	410 (4.23)	353 (4.91)

ICT Questionnaire – Question 5

Q5 How often do you use:
a computer for electronic communication (e.g. e-mail or “chat rooms”)?

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (2.60)	535 (2.74)	527 (4.61)	522 (4.77)	499 (4.87)	425 (8.70)
AUT	85931	1.17	84927	496 (4.17)	506 (4.37)	497 (4.80)	489 (5.28)	467 (4.68)	401 (13.94)
BEL	111831	2.30	109260	534 (2.66)	527 (3.93)	511 (4.64)	506 (6.30)	468 (5.18)	390 (10.96)
CAN	330436	10.12	296990	527 (1.95)	529 (3.01)	513 (4.56)	507 (5.81)	509 (6.03)	478 (7.59)
CZE	121183	4.27	116013	533 (4.52)	545 (3.86)	541 (3.98)	534 (4.80)	503 (5.00)	449 (7.33)
DNK	51741	0.70	51378	481 (4.04)	484 (3.71)	483 (5.64)	486 (5.67)	459 (5.29)	378 (10.41)
FIN	57884	0.07	57845	553 (2.88)	550 (3.18)	553 (3.63)	553 (4.76)	525 (5.10)	490 (10.79)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (4.24)	518 (5.26)	531 (5.11)	510 (6.91)	487 (4.49)	422 (9.35)
GRC	105131	2.07	102960	485 (5.86)	487 (5.51)	490 (5.82)	488 (6.23)	475 (4.13)	425 (13.62)
HUN	107044	0.17	106867	516 (4.86)	511 (3.55)	521 (4.37)	514 (5.16)	479 (4.09)	407 (10.86)
ISL	3928	0.69	3901	497 (2.42)	505 (3.33)	494 (5.19)	495 (6.56)	470 (6.53)	407 (17.05)
IRL	54850	1.31	54133	512 (4.72)	522 (4.37)	520 (4.71)	520 (4.41)	488 (4.15)	437 (8.04)
ITA	481521	1.93	472204	494 (4.17)	497 (4.45)	512 (4.20)	506 (5.57)	476 (4.51)	410 (7.50)
JPN	1240054	1.42	1222475	574 (6.46)	565 (7.04)	574 (7.03)	570 (5.38)	532 (5.10)	526 (6.50)
KOR	533504	0.31	531834	531 (3.86)	552 (4.26)	553 (5.02)	537 (6.94)	487 (8.72)	469 (10.54)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	442 (4.21)	425 (4.25)	425 (5.44)	425 (5.42)	404 (3.87)	349 (4.95)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	526 (3.39)	530 (3.23)	527 (5.87)	524 (6.20)	506 (5.36)	424 (13.46)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	515 (4.52)	502 (3.86)	507 (4.38)	504 (4.58)	480 (4.77)	452 (7.67)
PRT	96857	0.82	96058	491 (5.20)	469 (4.98)	479 (5.13)	471 (5.29)	450 (4.53)	402 (7.97)
SVK	77067	3.71	74208	516 (5.67)	527 (4.55)	534 (4.13)	518 (4.62)	488 (3.43)	427 (6.97)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	505 (3.24)	517 (5.24)	523 (6.75)	520 (6.31)	479 (6.86)	416 (16.20)
CHE	86491	0.48	86079	528 (4.84)	526 (3.95)	521 (6.36)	514 (5.35)	471 (5.03)	423 (10.82)
TUR	481279	13.78	414937	454 (9.26)	458 (11.37)	459 (9.93)	455 (9.95)	425 (5.65)	414 (5.16)
GBR	698579	91.67	58206	520 (4.01)	518 (4.65)	510 (5.91)	516 (7.82)	494 (6.19)	. (.)
USA	3147089	2.76	3060301	509 (3.22)	496 (4.29)	482 (5.08)	471 (6.13)	469 (5.75)	403 (9.32)
TOT	.	19.75	.	512 (1.65)	504 (1.74)	506 (1.94)	504 (2.00)	480 (2.28)	431 (3.64)
AVG	.	22.11	.	514 (0.86)	513 (0.97)	515 (1.16)	508 (1.18)	478 (1.27)	426 (2.25)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	496 (6.24)	496 (4.59)	506 (5.55)	504 (6.46)	474 (4.79)	443 (5.66)
LIE	338	0.30	337	540 (6.95)	526 (11.36)	510 (19.54)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	510 (6.60)	501 (8.75)	511 (6.50)	515 (8.61)	492 (4.55)	455 (6.28)
YUG	68596	1.92	67278	445 (6.07)	456 (5.53)	457 (6.55)	456 (6.08)	438 (3.37)	397 (5.15)
THA	637076	5.83	599963	471 (6.57)	447 (5.21)	442 (5.06)	444 (4.60)	417 (3.04)	390 (11.01)
TUN	150875	33.84	99822	399 (8.06)	399 (7.09)	392 (6.41)	400 (7.09)	408 (4.62)	356 (5.07)
URY	33775	3.82	32486	467 (5.86)	465 (4.36)	452 (7.94)	459 (6.64)	430 (4.17)	373 (5.89)

ICT Questionnaire – Question 5

Q5 How often do you use:
a computer for electronic communication (e.g. e-mail or “chat rooms”)?

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Almost every day Mean (SE)	A few times each week Mean (SE)	Between 1 pwk & 1 pmn Mean (SE)	Less than 1 pmn Mean (SE)	Never Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (2.04)	539 (2.36)	531 (4.12)	528 (4.27)	502 (3.85)	436 (8.53)
AUT	85931	1.17	84927	510 (3.85)	521 (3.84)	511 (5.00)	506 (5.21)	484 (4.58)	411 (14.58)
BEL	111831	2.30	109260	551 (2.58)	542 (3.42)	526 (4.83)	522 (5.73)	484 (4.28)	413 (10.13)
CAN	330436	10.12	296990	539 (1.71)	540 (2.54)	523 (3.41)	516 (4.73)	510 (5.65)	486 (7.10)
CZE	121183	4.27	116013	531 (4.30)	540 (3.86)	534 (3.62)	526 (4.48)	494 (4.27)	440 (7.63)
DNK	51741	0.70	51378	521 (3.47)	522 (3.53)	526 (4.29)	527 (5.46)	502 (4.89)	441 (9.67)
FIN	57884	0.07	57845	553 (2.48)	551 (3.13)	554 (3.10)	546 (3.53)	520 (5.28)	491 (9.09)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	533 (4.02)	527 (4.83)	537 (4.57)	519 (6.22)	496 (3.77)	438 (9.08)
GRC	105131	2.07	102960	454 (6.15)	454 (5.98)	459 (6.10)	460 (5.73)	440 (3.95)	389 (12.02)
HUN	107044	0.17	106867	513 (5.03)	509 (3.65)	522 (4.26)	513 (4.76)	474 (4.38)	402 (9.47)
ISL	3928	0.69	3901	509 (2.26)	514 (2.98)	506 (4.39)	498 (6.22)	478 (6.08)	401 (16.64)
IRL	54850	1.31	54133	504 (4.38)	514 (4.15)	512 (3.60)	510 (3.74)	484 (3.28)	432 (7.49)
ITA	481521	1.93	472204	474 (3.92)	478 (4.05)	497 (4.11)	487 (5.56)	462 (4.20)	400 (7.73)
JPN	1240054	1.42	1222475	571 (6.03)	569 (6.37)	575 (6.68)	568 (5.21)	533 (4.90)	518 (6.26)
KOR	533504	0.31	531834	542 (3.24)	563 (3.95)	564 (4.14)	550 (5.79)	509 (7.39)	498 (8.50)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	431 (4.49)	409 (5.01)	411 (6.58)	410 (4.22)	380 (5.29)	316 (6.10)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.40	46984	541 (2.88)	543 (2.96)	535 (5.42)	531 (5.55)	515 (4.72)	435 (14.13)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (4.14)	492 (3.94)	497 (4.44)	493 (4.65)	469 (3.99)	443 (7.85)
PRT	96857	0.82	96058	493 (5.76)	472 (5.54)	480 (4.64)	472 (5.38)	453 (4.76)	401 (9.48)
SVK	77067	3.71	74208	514 (5.29)	525 (4.49)	530 (3.99)	515 (4.23)	482 (3.66)	424 (6.03)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (2.63)	519 (3.53)	516 (5.65)	515 (5.71)	479 (6.38)	444 (15.15)
CHE	86491	0.48	86079	538 (4.22)	532 (3.58)	527 (4.74)	521 (4.67)	484 (4.07)	428 (11.16)
TUR	481279	13.78	414937	431 (9.68)	435 (11.46)	431 (9.50)	427 (8.93)	401 (5.33)	381 (5.83)
GBR	698579	91.67	58206	529 (3.34)	531 (3.98)	525 (4.69)	532 (6.89)	506 (5.62)	. (.)
USA	3147089	2.76	3060301	494 (3.32)	483 (4.14)	468 (5.09)	460 (6.26)	455 (5.66)	383 (8.91)
TOT	.	19.75	.	506 (1.67)	498 (1.77)	500 (1.95)	498 (2.04)	473 (2.43)	415 (4.30)
AVG	.	22.11	.	519 (0.77)	515 (0.96)	514 (1.04)	506 (1.09)	474 (1.41)	419 (2.63)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (5.55)	493 (5.80)	499 (6.26)	497 (6.45)	462 (4.77)	440 (5.79)
LIE	338	0.30	337	544 (5.89)	532 (10.63)	522 (16.75)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.05	2023194	504 (6.97)	499 (8.67)	506 (7.63)	503 (6.28)	483 (4.92)	437 (6.55)
YUG	68596	1.92	67278	432 (5.48)	439 (5.20)	442 (6.82)	442 (5.55)	424 (3.48)	372 (5.60)
THA	637076	5.83	599963	468 (7.34)	443 (5.27)	439 (5.19)	441 (4.54)	413 (2.89)	379 (12.20)
TUN	150875	33.84	99822	361 (7.67)	362 (6.11)	355 (5.59)	357 (6.97)	366 (3.89)	320 (3.76)
URY	33775	3.82	32486	447 (6.84)	442 (5.89)	430 (7.18)	429 (7.27)	402 (4.85)	327 (5.53)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Start a computer game.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	88.61 (0.42)	7.35 (0.34)	1.33 (0.12)	0.48 (0.07)	2.23 (0.23)
AUT	85931	1.17	84927	91.26 (0.60)	5.84 (0.44)	1.32 (0.19)	0.47 (.)	1.11 (0.26)
BEL	111831	2.30	109260	83.15 (0.62)	9.03 (0.36)	1.98 (0.16)	0.91 (0.14)	4.94 (0.53)
CAN	330436	10.12	296990	88.75 (0.36)	6.90 (0.24)	2.02 (0.16)	0.47 (0.05)	1.86 (0.17)
CZE	121183	4.31	115964	88.38 (0.71)	4.91 (0.34)	0.84 (0.15)	0.22 (.)	5.64 (0.48)
DNK	51741	0.70	51378	88.76 (0.59)	6.52 (0.41)	1.93 (0.25)	0.39 (.)	2.41 (0.33)
FIN	57884	0.07	57845	88.29 (0.52)	7.78 (0.40)	1.30 (0.17)	0.21 (.)	2.43 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	90.01 (0.61)	4.49 (0.33)	1.24 (0.19)	0.27 (.)	3.99 (0.42)
GRC	105131	2.07	102960	80.62 (0.75)	12.97 (0.58)	2.81 (0.36)	1.13 (0.13)	2.48 (0.26)
HUN	107044	0.17	106867	83.73 (0.58)	11.67 (0.45)	1.43 (0.18)	0.36 (.)	2.83 (0.33)
ISL	3928	0.69	3901	88.91 (0.54)	5.74 (0.44)	2.89 (0.25)	1.35 (0.19)	1.10 (0.18)
IRL	54850	1.31	54133	86.91 (0.65)	7.25 (0.40)	1.40 (0.19)	0.63 (.)	3.80 (0.37)
ITA	481521	1.99	471943	81.66 (0.73)	9.84 (0.49)	2.73 (0.27)	1.11 (0.18)	4.65 (0.42)
JPN	1240054	1.42	1222475	58.18 (1.00)	15.92 (0.66)	8.03 (0.40)	4.43 (0.37)	13.43 (0.71)
KOR	533504	0.31	531834	86.88 (0.61)	8.53 (0.46)	1.69 (0.21)	0.48 (.)	2.42 (0.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	47.69 (1.52)	26.60 (0.89)	8.08 (0.50)	3.32 (0.33)	14.30 (1.31)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	88.93 (0.53)	8.14 (0.46)	1.85 (0.21)	0.54 (.)	0.53 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	84.08 (0.74)	9.26 (0.47)	1.89 (0.22)	0.80 (0.14)	3.97 (0.40)
PRT	96857	0.82	96058	84.02 (0.77)	9.19 (0.59)	2.57 (0.22)	0.82 (0.16)	3.40 (0.33)
SVK	77067	3.71	74208	72.55 (1.08)	11.59 (0.57)	2.85 (0.30)	1.00 (0.18)	12.01 (0.93)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	88.93 (0.46)	6.56 (0.35)	1.63 (0.18)	0.31 (.)	2.56 (0.23)
CHE	86491	0.48	86079	83.76 (0.52)	10.24 (0.40)	3.05 (0.24)	0.85 (0.21)	2.11 (0.20)
TUR	481279	13.78	414937	62.91 (1.64)	13.71 (0.81)	2.24 (0.29)	2.29 (0.28)	18.85 (1.31)
GBR	698579	91.67	58219	89.09 (0.65)	7.71 (0.52)	2.17 (0.28)	0.57 (.)	0.47 (.)
USA	3147089	2.76	3060301	86.78 (0.50)	7.03 (0.40)	2.51 (0.20)	0.85 (0.11)	2.83 (0.21)
TOT	.	19.76	.	78.18 (0.30)	10.65 (0.18)	3.45 (0.10)	1.49 (0.06)	6.23 (0.17)
AVG	.	22.13	.	82.50 (0.17)	9.37 (0.10)	2.46 (0.06)	0.97 (0.04)	4.70 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	74.39 (1.05)	14.44 (0.81)	4.17 (0.39)	1.16 (0.17)	5.84 (0.55)
LIE	338	0.30	337	90.27 (1.67)	5.77 (.)	1.84 (.)	0.30 (.)	1.83 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	63.98 (1.49)	15.55 (0.66)	6.02 (0.42)	2.23 (0.29)	12.23 (1.10)
YUG	68596	1.88	67308	75.41 (1.14)	7.70 (0.46)	2.28 (0.25)	1.29 (0.19)	13.32 (1.08)
THA	637076	5.83	599963	64.14 (1.28)	25.52 (1.06)	7.68 (0.55)	1.78 (0.30)	0.88 (0.18)
TUN	150875	33.84	99822	39.45 (1.41)	22.11 (0.92)	6.73 (0.44)	8.30 (0.67)	23.41 (1.26)
URY	33775	3.82	32486	64.20 (1.02)	16.05 (0.73)	6.01 (0.44)	2.90 (0.28)	10.84 (0.91)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Start a computer game.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.95)	501 (4.55)	477 (7.95)	449 (19.56)	409 (9.48)
AUT	85931	1.17	84927	497 (3.38)	465 (8.33)	469 (14.20)	. (.)	376 (15.95)
BEL	111831	2.30	109260	525 (2.45)	484 (6.35)	466 (10.74)	377 (21.30)	376 (13.63)
CAN	330436	10.12	296990	535 (1.50)	513 (4.61)	506 (6.95)	461 (10.79)	476 (9.24)
CZE	121183	4.31	115964	501 (2.76)	487 (7.06)	503 (18.73)	. (.)	424 (9.27)
DNK	51741	0.70	51378	495 (2.70)	505 (6.25)	487 (11.70)	. (.)	404 (17.39)
FIN	57884	0.07	57845	546 (1.57)	538 (4.56)	519 (10.02)	. (.)	510 (10.42)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	507 (3.42)	488 (8.18)	458 (18.76)	. (.)	404 (12.23)
GRC	105131	2.07	102960	481 (4.22)	447 (6.58)	448 (12.58)	412 (18.56)	403 (15.95)
HUN	107044	0.17	106867	487 (2.50)	473 (5.65)	456 (12.27)	. (.)	388 (13.21)
ISL	3928	0.69	3901	496 (1.60)	492 (7.56)	469 (11.44)	451 (14.06)	342 (20.74)
IRL	54850	1.31	54133	521 (2.60)	502 (5.79)	471 (14.56)	. (.)	448 (8.98)
ITA	481521	1.99	471943	486 (2.63)	460 (6.10)	445 (8.69)	408 (18.92)	399 (9.50)
JPN	1240054	1.42	1222475	519 (4.05)	491 (4.79)	469 (6.80)	430 (12.87)	462 (6.63)
KOR	533504	0.31	531834	537 (3.00)	528 (6.25)	525 (10.07)	. (.)	465 (10.83)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (4.95)	405 (3.24)	407 (5.76)	360 (9.91)	330 (6.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	530 (2.35)	498 (7.31)	460 (13.78)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.65)	474 (6.20)	462 (13.29)	403 (21.16)	447 (8.27)
PRT	96857	0.82	96058	488 (3.46)	439 (6.89)	418 (11.11)	387 (15.90)	420 (8.95)
SVK	77067	3.71	74208	487 (2.58)	462 (4.52)	450 (7.60)	392 (16.05)	406 (5.63)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	519 (2.22)	503 (6.13)	499 (13.16)	. (.)	408 (16.68)
CHE	86491	0.48	86079	504 (3.32)	487 (5.20)	475 (9.25)	414 (22.48)	427 (9.48)
TUR	481279	13.78	414937	457 (6.94)	429 (7.89)	434 (11.38)	394 (13.86)	425 (6.12)
GBR	698579	91.67	58219	521 (2.64)	494 (7.82)	462 (15.44)	. (.)	. (.)
USA	3147089	2.76	3060301	506 (2.95)	456 (6.09)	455 (9.77)	415 (17.55)	432 (8.96)
TOT	.	19.76	.	504 (1.34)	458 (2.13)	451 (3.64)	408 (6.57)	414 (3.97)
AVG	.	22.13	.	506 (0.71)	472 (1.45)	460 (2.27)	411 (4.26)	414 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	496 (3.83)	491 (4.90)	476 (9.39)	434 (18.43)	454 (6.62)
LIE	338	0.30	337	528 (4.17)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	457 (3.97)	435 (6.23)	430 (6.69)	396 (14.21)	410 (5.63)
YUG	68596	1.88	67308	423 (3.54)	398 (6.98)	391 (9.94)	376 (14.83)	372 (5.68)
THA	637076	5.83	599963	430 (3.39)	412 (3.32)	409 (5.22)	382 (10.28)	365 (12.31)
TUN	150875	33.84	99822	398 (5.90)	388 (5.00)	382 (9.00)	367 (7.32)	346 (5.47)
URY	33775	3.82	32486	459 (3.70)	420 (5.18)	411 (11.19)	378 (11.28)	357 (7.11)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Start a computer game.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.05)	491 (4.15)	463 (7.29)	455 (15.45)	434 (8.35)
AUT	85931	1.17	84927	512 (2.98)	478 (6.30)	457 (11.06)	. (.)	395 (17.29)
BEL	111831	2.30	109260	547 (2.27)	496 (5.73)	482 (8.96)	415 (18.84)	409 (10.91)
CAN	330436	10.12	296990	541 (1.60)	506 (3.88)	497 (6.37)	463 (9.20)	482 (8.84)
CZE	121183	4.31	115964	529 (3.23)	498 (7.27)	506 (18.51)	. (.)	441 (7.44)
DNK	51741	0.70	51378	518 (2.77)	509 (5.83)	488 (11.41)	. (.)	443 (14.59)
FIN	57884	0.07	57845	548 (1.84)	525 (4.74)	502 (8.01)	. (.)	519 (9.00)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	517 (3.36)	482 (7.16)	466 (13.68)	. (.)	433 (10.33)
GRC	105131	2.07	102960	454 (3.96)	420 (5.66)	417 (8.70)	379 (14.01)	379 (10.03)
HUN	107044	0.17	106867	497 (2.95)	472 (5.03)	441 (12.72)	. (.)	392 (10.35)
ISL	3928	0.69	3901	520 (1.60)	502 (6.14)	475 (8.78)	470 (14.67)	414 (20.51)
IRL	54850	1.31	54133	508 (2.44)	484 (5.44)	455 (13.36)	. (.)	444 (7.72)
ITA	481521	1.99	471943	476 (2.90)	441 (5.30)	422 (9.39)	396 (13.96)	401 (6.42)
JPN	1240054	1.42	1222475	552 (4.42)	527 (5.01)	504 (5.79)	471 (10.08)	509 (6.25)
KOR	533504	0.31	531834	547 (3.20)	519 (6.49)	506 (9.03)	. (.)	484 (9.51)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	421 (4.21)	384 (3.31)	384 (4.50)	348 (7.06)	325 (6.66)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	532 (2.10)	496 (6.36)	468 (9.60)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	499 (2.34)	461 (5.13)	447 (9.88)	415 (12.82)	451 (7.15)
PRT	96857	0.82	96058	477 (3.13)	424 (6.27)	397 (8.52)	387 (15.03)	409 (7.73)
SVK	77067	3.71	74208	518 (2.64)	483 (4.85)	471 (6.47)	419 (14.96)	435 (6.44)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.50)	478 (6.19)	461 (13.73)	. (.)	423 (14.06)
CHE	86491	0.48	86079	534 (3.57)	504 (6.05)	486 (8.85)	428 (15.50)	443 (9.45)
TUR	481279	13.78	414937	445 (8.21)	412 (8.73)	404 (15.76)	387 (15.50)	401 (6.63)
GBR	698579	91.67	58219	529 (2.41)	497 (7.42)	462 (15.23)	. (.)	. (.)
USA	3147089	2.76	3060301	493 (2.77)	440 (5.62)	439 (7.79)	421 (12.38)	412 (8.25)
TOT	.	19.76	.	503 (1.21)	453 (2.34)	449 (2.96)	422 (5.64)	423 (4.11)
AVG	.	22.13	.	512 (0.71)	468 (1.50)	455 (2.10)	423 (3.95)	424 (2.57)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (3.92)	470 (4.34)	453 (9.58)	433 (18.19)	443 (5.64)
LIE	338	0.30	337	539 (4.49)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	487 (4.64)	455 (5.50)	439 (6.53)	424 (11.66)	437 (5.59)
YUG	68596	1.88	67308	449 (3.84)	414 (6.88)	405 (9.07)	402 (13.56)	398 (5.50)
THA	637076	5.83	599963	429 (3.55)	407 (3.46)	400 (5.40)	374 (9.10)	359 (16.44)
TUN	150875	33.84	99822	390 (6.06)	369 (4.57)	365 (5.44)	346 (5.44)	335 (4.18)
URY	33775	3.82	32486	445 (3.37)	401 (5.04)	409 (7.61)	370 (7.34)	359 (5.41)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Start a computer game.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.00)	487 (4.92)	464 (7.95)	440 (18.70)	433 (9.02)
AUT	85931	1.17	84927	497 (3.19)	457 (6.71)	449 (12.38)	. (.)	389 (17.64)
BEL	111831	2.30	109260	525 (2.42)	479 (5.82)	462 (9.42)	387 (18.62)	391 (11.96)
CAN	330436	10.12	296990	528 (1.81)	492 (5.08)	484 (8.07)	457 (10.79)	468 (11.01)
CZE	121183	4.31	115964	535 (3.09)	504 (8.09)	520 (18.14)	. (.)	450 (7.26)
DNK	51741	0.70	51378	480 (2.91)	468 (6.82)	440 (12.32)	. (.)	371 (15.76)
FIN	57884	0.07	57845	552 (1.87)	529 (5.36)	510 (10.78)	. (.)	510 (10.48)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	518 (3.65)	482 (7.84)	462 (17.31)	. (.)	420 (11.27)
GRC	105131	2.07	102960	490 (3.95)	452 (6.22)	451 (10.08)	414 (15.46)	430 (12.84)
HUN	107044	0.17	106867	511 (2.94)	481 (5.74)	461 (13.61)	. (.)	403 (11.78)
ISL	3928	0.69	3901	500 (1.58)	475 (8.88)	447 (11.59)	437 (16.21)	407 (19.10)
IRL	54850	1.31	54133	511 (2.71)	482 (6.84)	451 (14.99)	. (.)	447 (8.70)
ITA	481521	1.99	471943	499 (2.92)	462 (5.72)	444 (10.51)	412 (18.88)	405 (8.68)
JPN	1240054	1.42	1222475	566 (4.62)	540 (5.15)	515 (7.01)	476 (12.14)	525 (6.64)
KOR	533504	0.31	531834	544 (3.56)	514 (6.97)	504 (10.26)	. (.)	471 (10.68)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (4.40)	404 (3.06)	402 (5.18)	381 (7.36)	354 (5.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	530 (2.31)	490 (6.88)	459 (10.93)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.78)	463 (6.02)	441 (11.64)	425 (16.87)	455 (7.90)
PRT	96857	0.82	96058	479 (3.25)	423 (6.02)	398 (9.29)	366 (17.78)	410 (7.65)
SVK	77067	3.71	74208	516 (2.74)	486 (4.78)	469 (8.04)	425 (15.29)	427 (6.89)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.64)	478 (6.99)	467 (18.64)	. (.)	402 (15.60)
CHE	86491	0.48	86079	521 (3.95)	491 (6.82)	471 (9.70)	403 (26.19)	420 (10.81)
TUR	481279	13.78	414937	452 (7.32)	423 (7.16)	426 (12.02)	394 (15.45)	417 (5.89)
GBR	698579	91.67	58219	520 (2.92)	477 (8.51)	447 (17.04)	. (.)	. (.)
USA	3147089	2.76	3060301	502 (2.93)	447 (6.05)	444 (10.46)	418 (16.27)	421 (10.79)
TOT	.	19.76	.	510 (1.30)	463 (2.16)	458 (3.49)	431 (5.94)	436 (4.02)
AVG	.	22.13	.	512 (0.68)	471 (1.30)	457 (2.47)	423 (3.96)	429 (2.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	498 (4.01)	479 (5.06)	461 (9.94)	429 (18.42)	442 (6.37)
LIE	338	0.30	337	529 (5.03)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	507 (4.46)	472 (5.85)	464 (7.94)	449 (14.65)	462 (5.63)
YUG	68596	1.88	67308	448 (3.40)	415 (7.81)	409 (9.37)	403 (14.92)	401 (5.82)
THA	637076	5.83	599963	441 (3.40)	419 (3.16)	414 (5.44)	392 (10.73)	381 (12.47)
TUN	150875	33.84	99822	410 (5.95)	395 (4.92)	393 (6.94)	382 (5.77)	356 (5.32)
URY	33775	3.82	32486	461 (3.24)	417 (4.60)	423 (7.92)	394 (14.95)	378 (5.78)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Start a computer game.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (1.84)	496 (4.35)	469 (7.76)	455 (17.84)	440 (8.17)
AUT	85931	1.17	84927	512 (2.94)	479 (6.41)	462 (11.79)	. (.)	397 (18.38)
BEL	111831	2.30	109260	541 (2.14)	496 (5.23)	476 (8.63)	423 (16.19)	415 (10.80)
CAN	330436	10.12	296990	539 (1.53)	506 (4.17)	499 (6.66)	452 (10.49)	473 (8.65)
CZE	121183	4.31	115964	530 (3.05)	496 (7.39)	505 (17.49)	. (.)	442 (7.64)
DNK	51741	0.70	51378	521 (2.55)	507 (5.63)	487 (10.46)	. (.)	442 (15.61)
FIN	57884	0.07	57845	551 (1.83)	528 (4.80)	506 (9.43)	. (.)	512 (9.35)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.33)	496 (6.61)	473 (14.16)	. (.)	433 (10.33)
GRC	105131	2.07	102960	457 (4.25)	424 (5.76)	426 (8.73)	391 (13.48)	392 (10.51)
HUN	107044	0.17	106867	508 (2.89)	485 (5.21)	460 (12.59)	. (.)	397 (11.44)
ISL	3928	0.69	3901	509 (1.50)	496 (6.49)	474 (8.26)	460 (13.05)	400 (18.85)
IRL	54850	1.31	54133	504 (2.36)	482 (4.89)	451 (12.84)	. (.)	438 (7.60)
ITA	481521	1.99	471943	481 (2.81)	448 (6.45)	424 (10.32)	407 (18.76)	396 (8.58)
JPN	1240054	1.42	1222475	566 (4.43)	538 (4.69)	518 (6.41)	482 (10.58)	518 (6.57)
KOR	533504	0.31	531834	555 (3.05)	532 (6.12)	523 (9.02)	. (.)	501 (8.34)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (5.19)	383 (4.12)	383 (6.09)	342 (7.46)	321 (6.51)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	542 (2.02)	505 (6.34)	474 (11.35)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	495 (2.57)	455 (5.91)	444 (10.47)	404 (18.03)	453 (7.09)
PRT	96857	0.82	96058	481 (3.53)	429 (6.94)	404 (11.07)	382 (18.13)	407 (9.88)
SVK	77067	3.71	74208	513 (2.61)	477 (4.88)	462 (8.04)	407 (18.04)	424 (5.84)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.21)	484 (6.58)	469 (13.00)	. (.)	439 (13.94)
CHE	86491	0.48	86079	529 (3.06)	503 (5.67)	481 (9.42)	425 (19.45)	432 (9.88)
TUR	481279	13.78	414937	428 (7.20)	392 (9.00)	388 (13.06)	361 (14.28)	389 (6.02)
GBR	698579	91.67	58219	530 (2.46)	501 (8.23)	469 (15.74)	. (.)	. (.)
USA	3147089	2.76	3060301	488 (2.88)	436 (6.11)	432 (8.43)	408 (14.15)	406 (9.33)
TOT	.	19.76	.	504 (1.27)	454 (2.58)	452 (3.25)	421 (6.00)	422 (4.27)
AVG	.	22.13	.	513 (0.69)	470 (1.64)	458 (2.27)	420 (4.25)	422 (2.65)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	492 (4.09)	468 (4.77)	454 (9.93)	432 (18.22)	440 (6.37)
LIE	338	0.30	337	533 (4.25)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	501 (4.82)	464 (6.19)	449 (7.38)	410 (12.48)	439 (5.71)
YUG	68596	1.88	67308	432 (3.42)	402 (6.25)	393 (9.46)	402 (14.13)	378 (5.67)
THA	637076	5.83	599963	438 (3.27)	414 (3.33)	411 (5.54)	373 (10.56)	366 (16.43)
TUN	150875	33.84	99822	370 (4.93)	356 (4.08)	354 (6.36)	341 (5.51)	319 (3.64)
URY	33775	3.82	32486	437 (3.77)	389 (5.89)	395 (8.67)	351 (8.54)	331 (5.26)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use software to find and get rid of computer viruses.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	42.45 (0.62)	29.89 (0.49)	22.00 (0.50)	3.25 (0.22)	2.42 (0.23)
AUT	85931	1.17	84927	46.85 (0.88)	27.78 (0.70)	20.42 (0.72)	3.57 (0.28)	1.38 (0.28)
BEL	111831	2.30	109260	41.00 (0.82)	29.55 (0.62)	19.60 (0.53)	4.41 (0.28)	5.44 (0.51)
CAN	330436	10.12	296990	48.64 (0.50)	26.77 (0.47)	19.53 (0.37)	2.53 (0.16)	2.53 (0.16)
CZE	121183	4.31	115964	44.18 (1.43)	23.34 (0.75)	23.00 (0.87)	3.53 (0.37)	5.95 (0.49)
DNK	51741	0.70	51378	34.61 (0.81)	24.72 (0.58)	29.55 (0.96)	8.26 (0.53)	2.87 (0.35)
FIN	57884	0.07	57845	37.70 (0.77)	26.82 (0.74)	29.74 (0.57)	3.22 (0.29)	2.53 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	45.74 (0.98)	23.42 (0.77)	21.96 (0.66)	4.64 (0.37)	4.24 (0.39)
GRC	105131	2.07	102960	21.58 (0.83)	27.54 (0.70)	36.01 (0.93)	11.78 (0.62)	3.09 (0.29)
HUN	107044	0.17	106867	36.42 (1.03)	30.63 (0.72)	23.77 (0.86)	6.12 (0.48)	3.06 (0.35)
ISL	3928	0.69	3901	44.51 (0.80)	23.33 (0.68)	26.90 (0.71)	4.22 (0.33)	1.05 (0.18)
IRL	54850	1.31	54133	27.26 (0.85)	26.42 (0.70)	34.43 (0.79)	7.76 (0.46)	4.13 (0.40)
ITA	481521	1.99	471943	30.54 (0.90)	26.70 (0.57)	30.38 (0.73)	7.28 (0.48)	5.10 (0.41)
JPN	1240054	1.42	1222475	9.79 (0.58)	19.26 (0.67)	37.97 (0.74)	19.37 (0.68)	13.62 (0.70)
KOR	533504	0.31	531834	42.26 (0.98)	34.77 (0.67)	13.77 (0.56)	6.66 (0.33)	2.55 (0.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	18.90 (0.89)	33.75 (0.87)	21.31 (0.72)	10.42 (0.73)	15.61 (1.33)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	41.57 (0.86)	29.15 (0.68)	24.04 (0.67)	4.48 (0.36)	0.76 (0.15)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	41.05 (0.99)	24.67 (0.73)	22.58 (0.70)	7.18 (0.41)	4.52 (0.41)
PRT	96857	0.82	96058	39.91 (0.96)	30.33 (0.64)	21.04 (0.68)	4.72 (0.36)	3.99 (0.39)
SVK	77067	3.71	74208	24.99 (1.05)	20.66 (0.57)	29.18 (0.88)	12.19 (0.52)	12.98 (0.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	35.92 (0.92)	27.90 (0.64)	27.01 (0.74)	6.05 (0.38)	3.11 (0.26)
CHE	86491	0.48	86079	37.58 (0.79)	27.60 (0.67)	25.68 (0.74)	6.72 (0.42)	2.41 (0.23)
TUR	481279	13.78	414937	15.60 (0.96)	33.39 (1.10)	18.24 (0.98)	11.36 (0.46)	21.42 (1.41)
GBR	698579	91.67	58219	38.07 (1.04)	32.08 (1.02)	24.44 (1.06)	4.73 (0.43)	0.67 (.)
USA	3147089	2.76	3060301	45.10 (0.79)	26.85 (0.64)	20.63 (0.54)	4.29 (0.27)	3.14 (0.23)
TOT	.	19.76	.	34.83 (0.33)	27.00 (0.27)	23.72 (0.21)	7.70 (0.17)	6.74 (0.17)
AVG	.	22.13	.	35.72 (0.18)	27.28 (0.13)	25.02 (0.15)	6.80 (0.09)	5.18 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	22.49 (0.99)	24.12 (0.86)	36.58 (1.19)	10.44 (0.49)	6.37 (0.56)
LIE	338	0.30	337	46.85 (2.74)	27.47 (2.19)	22.63 (2.01)	1.53 (.)	1.52 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	22.06 (1.39)	20.13 (0.70)	27.99 (0.82)	16.14 (0.96)	13.69 (1.16)
YUG	68596	1.90	67293	18.87 (0.82)	26.12 (0.74)	29.03 (0.98)	10.61 (0.58)	15.36 (1.14)
THA	637076	5.83	599963	13.53 (0.75)	40.16 (0.99)	22.13 (0.79)	22.36 (1.14)	1.82 (0.30)
TUN	150875	33.84	99822	13.84 (0.95)	22.89 (0.90)	18.33 (0.80)	18.89 (0.96)	26.05 (1.37)
URY	33775	3.82	32486	26.01 (1.04)	25.88 (0.99)	24.07 (0.91)	11.49 (0.60)	12.54 (0.94)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use software to find and get rid of computer viruses.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (2.51)	532 (2.82)	535 (2.36)	483 (6.03)	406 (8.70)
AUT	85931	1.17	84927	502 (3.67)	492 (4.66)	495 (4.89)	430 (8.13)	385 (13.34)
BEL	111831	2.30	109260	524 (2.94)	520 (3.38)	525 (3.09)	438 (10.79)	374 (12.44)
CAN	330436	10.12	296990	534 (1.71)	535 (2.42)	535 (2.73)	486 (6.16)	479 (6.81)
CZE	121183	4.31	115964	505 (3.26)	498 (3.50)	500 (3.39)	469 (9.07)	422 (8.96)
DNK	51741	0.70	51378	486 (3.33)	496 (3.90)	509 (3.27)	482 (6.20)	413 (14.97)
FIN	57884	0.07	57845	540 (2.36)	544 (2.71)	553 (2.64)	518 (9.27)	510 (10.44)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	504 (3.97)	508 (4.58)	517 (4.62)	455 (7.47)	398 (11.32)
GRC	105131	2.07	102960	482 (5.86)	463 (4.58)	489 (4.25)	449 (7.71)	404 (14.87)
HUN	107044	0.17	106867	498 (3.22)	480 (3.46)	484 (3.73)	434 (6.88)	386 (13.22)
ISL	3928	0.69	3901	477 (2.70)	503 (3.52)	518 (3.34)	472 (8.67)	341 (19.55)
IRL	54850	1.31	54133	523 (3.48)	516 (3.57)	525 (3.05)	476 (5.75)	448 (8.49)
ITA	481521	1.99	471943	483 (4.30)	480 (3.36)	491 (3.33)	446 (7.00)	397 (9.25)
JPN	1240054	1.42	1222475	531 (7.04)	516 (5.16)	516 (3.68)	459 (6.16)	462 (6.31)
KOR	533504	0.31	531834	547 (3.46)	532 (3.41)	527 (4.58)	507 (6.89)	458 (11.12)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (5.51)	421 (4.37)	419 (3.95)	394 (4.77)	331 (6.47)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	528 (2.86)	527 (4.13)	532 (3.13)	477 (8.28)	427 (16.78)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (3.01)	498 (3.85)	509 (4.06)	471 (6.61)	440 (8.60)
PRT	96857	0.82	96058	490 (3.89)	479 (4.71)	480 (3.87)	416 (7.12)	416 (9.25)
SVK	77067	3.71	74208	496 (3.40)	475 (3.97)	490 (2.82)	450 (5.98)	405 (5.56)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (3.29)	520 (3.65)	529 (3.64)	508 (6.12)	417 (15.40)
CHE	86491	0.48	86079	503 (4.24)	498 (4.38)	511 (3.49)	467 (6.65)	427 (10.80)
TUR	481279	13.78	414937	459 (13.62)	446 (6.83)	475 (8.24)	421 (6.41)	420 (5.43)
GBR	698579	91.67	58219	520 (3.52)	517 (4.22)	521 (3.71)	473 (8.52)	. (.)
USA	3147089	2.76	3060301	501 (3.60)	505 (4.20)	504 (3.92)	451 (9.59)	425 (9.54)
TOT	.	19.76	.	504 (1.65)	494 (1.82)	501 (1.54)	449 (2.96)	411 (3.72)
AVG	.	22.13	.	507 (0.79)	499 (1.00)	508 (0.90)	457 (1.98)	412 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	494 (4.97)	487 (4.91)	505 (3.93)	469 (7.14)	451 (6.34)
LIE	338	0.30	337	527 (6.75)	525 (10.18)	527 (10.19)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	472 (4.29)	448 (5.22)	454 (4.23)	423 (6.46)	405 (6.15)
YUG	68596	1.90	67293	421 (5.35)	422 (4.15)	429 (4.01)	395 (4.38)	368 (5.74)
THA	637076	5.83	599963	440 (6.01)	425 (3.48)	425 (4.36)	409 (3.58)	372 (9.37)
TUN	150875	33.84	99822	406 (9.61)	376 (6.16)	404 (5.70)	388 (4.67)	346 (5.18)
URY	33775	3.82	32486	465 (5.72)	445 (4.84)	451 (5.07)	410 (7.50)	354 (6.98)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use software to find and get rid of computer viruses.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (2.56)	527 (2.36)	522 (2.72)	476 (5.90)	430 (7.98)
AUT	85931	1.17	84927	523 (3.37)	501 (3.64)	498 (4.28)	446 (6.58)	405 (14.92)
BEL	111831	2.30	109260	556 (2.83)	536 (2.89)	536 (3.29)	454 (9.33)	407 (10.11)
CAN	330436	10.12	296990	546 (1.93)	534 (2.16)	528 (2.44)	481 (5.70)	485 (7.45)
CZE	121183	4.31	115964	546 (3.58)	518 (3.81)	511 (3.71)	477 (8.20)	439 (7.24)
DNK	51741	0.70	51378	525 (3.43)	517 (3.93)	516 (2.88)	484 (5.87)	447 (12.33)
FIN	57884	0.07	57845	558 (2.59)	539 (2.66)	538 (2.50)	507 (7.63)	516 (9.17)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.87)	512 (4.17)	510 (4.13)	453 (8.05)	429 (9.50)
GRC	105131	2.07	102960	474 (5.55)	437 (4.21)	453 (4.04)	413 (5.35)	380 (9.84)
HUN	107044	0.17	106867	521 (3.32)	484 (3.74)	481 (3.75)	425 (6.71)	393 (9.66)
ISL	3928	0.69	3901	511 (2.62)	523 (3.25)	524 (2.66)	484 (8.25)	414 (20.15)
IRL	54850	1.31	54133	517 (3.37)	503 (3.58)	507 (2.78)	469 (5.32)	443 (6.86)
ITA	481521	1.99	471943	490 (4.00)	469 (3.51)	464 (3.50)	421 (6.31)	400 (6.13)
JPN	1240054	1.42	1222475	566 (8.09)	547 (5.17)	550 (3.91)	496 (5.37)	508 (5.95)
KOR	533504	0.31	531834	567 (3.97)	533 (3.34)	523 (4.28)	501 (7.08)	482 (9.17)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	432 (5.41)	403 (3.68)	397 (3.87)	373 (4.91)	325 (6.28)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	535 (2.55)	527 (3.70)	526 (3.02)	475 (8.60)	422 (15.23)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.67)	486 (3.39)	488 (3.37)	449 (5.63)	442 (7.41)
PRT	96857	0.82	96058	491 (3.41)	461 (3.85)	454 (3.48)	400 (6.95)	404 (8.48)
SVK	77067	3.71	74208	544 (3.44)	504 (3.67)	508 (2.68)	469 (5.26)	433 (5.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	518 (3.41)	512 (3.79)	510 (3.44)	489 (6.50)	430 (13.05)
CHE	86491	0.48	86079	545 (4.21)	525 (4.19)	523 (3.44)	475 (5.83)	449 (11.24)
TUR	481279	13.78	414937	458 (16.37)	429 (7.56)	460 (8.93)	411 (6.72)	395 (5.66)
GBR	698579	91.67	58219	533 (3.18)	524 (3.88)	523 (3.82)	476 (7.32)	. (.)
USA	3147089	2.76	3060301	494 (3.54)	488 (3.84)	485 (3.17)	437 (6.85)	409 (8.29)
TOT	.	19.76	.	509 (1.61)	488 (1.71)	496 (1.53)	452 (2.70)	419 (3.86)
AVG	.	22.13	.	524 (0.82)	499 (1.03)	502 (0.81)	455 (1.69)	421 (2.39)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (5.30)	484 (4.31)	488 (4.11)	456 (5.99)	439 (5.73)
LIE	338	0.30	337	549 (7.34)	527 (9.57)	524 (11.51)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	511 (5.01)	472 (5.53)	476 (4.30)	442 (6.14)	433 (5.59)
YUG	68596	1.90	67293	457 (5.40)	444 (4.12)	452 (3.99)	414 (5.25)	393 (5.43)
THA	637076	5.83	599963	445 (7.02)	420 (3.55)	421 (3.96)	406 (3.74)	379 (11.69)
TUN	150875	33.84	99822	407 (8.55)	364 (5.24)	389 (4.96)	366 (3.92)	335 (4.17)
URY	33775	3.82	32486	461 (5.30)	429 (4.12)	434 (3.79)	393 (5.63)	353 (5.05)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use software to find and get rid of computer viruses.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (2.54)	526 (2.80)	522 (2.53)	469 (5.88)	429 (8.62)
AUT	85931	1.17	84927	509 (3.52)	487 (4.17)	482 (4.75)	424 (6.92)	395 (14.43)
BEL	111831	2.30	109260	533 (2.74)	514 (3.30)	517 (3.22)	437 (8.65)	388 (10.87)
CAN	330436	10.12	296990	532 (2.00)	521 (2.73)	517 (2.81)	467 (6.24)	470 (8.92)
CZE	121183	4.31	115964	550 (3.51)	524 (3.98)	519 (3.80)	482 (9.18)	448 (7.17)
DNK	51741	0.70	51378	490 (3.56)	480 (4.45)	475 (3.20)	442 (6.56)	382 (14.37)
FIN	57884	0.07	57845	561 (2.87)	543 (3.07)	544 (3.08)	509 (9.30)	507 (10.55)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (4.37)	512 (4.49)	511 (4.45)	447 (8.73)	416 (10.31)
GRC	105131	2.07	102960	508 (5.82)	472 (4.52)	491 (4.19)	447 (6.29)	425 (12.47)
HUN	107044	0.17	106867	533 (3.72)	499 (3.81)	493 (3.83)	439 (8.09)	403 (11.21)
ISL	3928	0.69	3901	494 (2.88)	502 (3.34)	502 (3.20)	453 (10.03)	405 (19.18)
IRL	54850	1.31	54133	522 (3.64)	503 (3.90)	510 (3.22)	463 (6.36)	446 (8.02)
ITA	481521	1.99	471943	511 (4.58)	490 (3.73)	488 (3.40)	444 (7.79)	406 (7.65)
JPN	1240054	1.42	1222475	583 (8.39)	563 (5.24)	563 (4.22)	505 (6.11)	525 (6.41)
KOR	533504	0.31	531834	564 (4.20)	530 (3.74)	518 (4.49)	493 (7.48)	468 (10.23)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	449 (5.68)	418 (3.69)	416 (3.83)	394 (3.31)	354 (5.09)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	535 (2.87)	522 (3.83)	522 (3.55)	472 (9.13)	417 (15.85)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	518 (3.30)	492 (4.08)	496 (4.22)	455 (6.70)	449 (7.73)
PRT	96857	0.82	96058	492 (3.45)	465 (4.29)	457 (4.39)	398 (7.55)	405 (7.84)
SVK	77067	3.71	74208	541 (3.69)	502 (4.37)	507 (2.89)	469 (5.04)	427 (6.53)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (3.59)	508 (4.16)	511 (4.32)	489 (7.74)	409 (13.95)
CHE	86491	0.48	86079	531 (4.60)	512 (4.34)	512 (4.32)	456 (7.32)	425 (11.76)
TUR	481279	13.78	414937	462 (14.42)	439 (6.24)	466 (8.27)	414 (6.70)	414 (5.17)
GBR	698579	91.67	58219	528 (3.77)	511 (4.67)	509 (4.46)	458 (9.55)	. (.)
USA	3147089	2.76	3060301	502 (3.65)	496 (4.31)	494 (3.24)	448 (8.66)	415 (10.30)
TOT	.	19.76	.	515 (1.68)	495 (1.83)	504 (1.55)	460 (2.99)	432 (3.70)
AVG	.	22.13	.	522 (0.85)	500 (0.96)	504 (0.84)	456 (1.82)	427 (2.28)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	507 (5.64)	490 (4.55)	495 (4.19)	461 (6.30)	441 (6.18)
LIE	338	0.30	337	539 (7.63)	516 (11.16)	512 (11.81)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	532 (5.13)	492 (5.44)	493 (4.62)	465 (6.50)	456 (6.06)
YUG	68596	1.90	67293	452 (5.01)	446 (4.17)	449 (3.86)	416 (4.29)	398 (5.48)
THA	637076	5.83	599963	456 (6.38)	433 (3.29)	433 (4.20)	416 (3.42)	395 (9.62)
TUN	150875	33.84	99822	422 (8.54)	389 (5.01)	412 (5.23)	397 (4.18)	356 (5.36)
URY	33775	3.82	32486	471 (5.03)	443 (4.66)	450 (3.88)	417 (7.05)	374 (5.39)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use software to find and get rid of computer viruses.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (2.23)	533 (2.46)	529 (2.69)	482 (6.87)	437 (7.92)
AUT	85931	1.17	84927	523 (3.26)	503 (4.18)	498 (4.10)	446 (6.37)	407 (14.33)
BEL	111831	2.30	109260	547 (2.72)	532 (2.94)	533 (3.15)	458 (7.48)	414 (10.18)
CAN	330436	10.12	296990	542 (1.93)	534 (2.13)	528 (2.36)	477 (5.68)	477 (7.10)
CZE	121183	4.31	115964	545 (3.34)	520 (3.65)	511 (3.53)	474 (9.87)	440 (7.51)
DNK	51741	0.70	51378	526 (3.06)	520 (3.65)	519 (2.83)	487 (5.94)	446 (13.61)
FIN	57884	0.07	57845	559 (2.57)	544 (2.85)	544 (2.53)	511 (6.99)	510 (9.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	530 (3.78)	523 (4.06)	521 (3.90)	466 (7.72)	430 (9.62)
GRC	105131	2.07	102960	470 (6.13)	441 (4.57)	459 (4.22)	419 (5.80)	390 (10.35)
HUN	107044	0.17	106867	529 (3.41)	497 (3.68)	495 (4.25)	439 (7.18)	398 (10.17)
ISL	3928	0.69	3901	500 (2.45)	512 (3.22)	517 (3.12)	472 (7.92)	400 (19.15)
IRL	54850	1.31	54133	512 (3.09)	500 (3.02)	502 (2.71)	463 (5.47)	437 (6.80)
ITA	481521	1.99	471943	490 (4.35)	474 (3.47)	473 (3.15)	428 (7.31)	394 (7.38)
JPN	1240054	1.42	1222475	579 (7.94)	563 (5.16)	563 (3.89)	508 (5.74)	517 (6.15)
KOR	533504	0.31	531834	570 (3.76)	544 (3.48)	535 (4.54)	516 (6.76)	499 (8.08)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (5.95)	404 (4.36)	397 (4.89)	367 (6.30)	320 (6.01)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46790	543 (2.59)	537 (3.55)	537 (3.23)	480 (7.88)	433 (17.75)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (3.08)	482 (3.64)	486 (3.85)	447 (5.85)	441 (8.05)
PRT	96857	0.82	96058	493 (3.88)	467 (4.74)	461 (3.99)	401 (7.55)	404 (10.31)
SVK	77067	3.71	74208	536 (3.35)	498 (3.64)	505 (2.78)	462 (5.72)	423 (5.58)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (3.27)	513 (3.59)	513 (3.01)	489 (6.24)	443 (13.70)
CHE	86491	0.48	86079	535 (3.80)	520 (4.08)	523 (3.35)	477 (5.73)	434 (10.73)
TUR	481279	13.78	414937	440 (14.44)	414 (7.38)	438 (7.66)	391 (6.46)	382 (5.29)
GBR	698579	91.67	58219	534 (3.39)	526 (3.90)	525 (3.60)	473 (7.11)	. (.)
USA	3147089	2.76	3060301	487 (3.58)	483 (4.21)	481 (3.31)	431 (7.54)	403 (9.11)
TOT	.	19.76	.	507 (1.64)	489 (1.82)	499 (1.62)	455 (2.93)	418 (3.99)
AVG	.	22.13	.	523 (0.80)	501 (1.03)	505 (0.87)	456 (1.81)	419 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (5.95)	481 (4.98)	489 (4.44)	450 (6.85)	436 (6.69)
LIE	338	0.30	337	540 (7.04)	521 (9.82)	524 (11.33)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	526 (5.37)	485 (6.08)	488 (4.23)	449 (7.08)	435 (6.58)
YUG	68596	1.90	67293	437 (5.38)	428 (3.81)	435 (3.98)	406 (4.57)	374 (5.71)
THA	637076	5.83	599963	455 (6.79)	430 (3.20)	429 (3.74)	411 (3.67)	379 (12.17)
TUN	150875	33.84	99822	384 (7.65)	349 (4.21)	370 (4.53)	358 (4.01)	319 (3.61)
URY	33775	3.82	32486	448 (6.96)	418 (4.47)	427 (5.62)	382 (5.72)	331 (5.05)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Open a file.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	93.44 (0.28)	3.22 (0.19)	0.76 (0.09)	0.20 (0.05)	2.39 (0.27)
AUT	85931	1.17	84927	94.64 (0.59)	2.83 (0.36)	0.88 (0.18)	0.50 (.)	1.16 (0.23)
BEL	111831	2.30	109260	89.03 (0.58)	3.93 (0.26)	1.14 (0.12)	0.82 (0.16)	5.09 (0.52)
CAN	330436	10.12	296990	94.44 (0.26)	2.85 (0.20)	0.63 (0.07)	0.18 (0.03)	1.89 (0.14)
CZE	121183	4.31	115964	90.43 (0.62)	2.67 (0.23)	0.59 (0.13)	0.34 (.)	5.97 (0.49)
DNK	51741	0.70	51378	89.16 (0.61)	5.85 (0.40)	1.41 (0.21)	0.59 (.)	2.98 (0.35)
FIN	57884	0.07	57845	90.95 (0.44)	5.23 (0.37)	0.80 (0.10)	0.36 (0.10)	2.67 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	91.26 (0.57)	3.18 (0.32)	0.89 (0.14)	0.27 (.)	4.39 (0.40)
GRC	105131	2.07	102960	75.94 (1.00)	14.44 (0.68)	4.87 (0.42)	1.37 (0.17)	3.38 (0.31)
HUN	107044	0.17	106867	87.51 (0.54)	7.26 (0.42)	1.50 (0.20)	0.84 (0.14)	2.89 (0.32)
ISL	3928	0.69	3901	89.07 (0.51)	5.41 (0.40)	2.50 (0.27)	1.88 (0.23)	1.13 (0.18)
IRL	54850	1.31	54133	87.52 (0.72)	5.54 (0.36)	1.98 (0.28)	0.80 (.)	4.15 (0.43)
ITA	481521	1.99	471943	83.52 (0.80)	8.40 (0.52)	2.38 (0.28)	0.71 (0.12)	4.99 (0.42)
JPN	1240054	1.42	1222475	69.54 (1.01)	11.12 (0.50)	2.79 (0.24)	3.06 (0.34)	13.50 (0.71)
KOR	533504	0.31	531834	91.76 (0.45)	4.48 (0.32)	0.79 (0.15)	0.38 (.)	2.58 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	60.91 (1.65)	16.77 (0.89)	5.05 (0.39)	2.48 (0.32)	14.79 (1.37)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	92.83 (0.44)	5.28 (0.35)	1.09 (0.18)	0.30 (.)	0.50 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	84.68 (0.75)	8.06 (0.53)	1.87 (0.23)	0.82 (0.13)	4.57 (0.39)
PRT	96857	0.82	96058	87.07 (0.70)	6.56 (0.41)	1.96 (0.25)	0.74 (0.13)	3.68 (0.34)
SVK	77067	3.71	74208	73.53 (1.16)	9.30 (0.50)	3.09 (0.25)	1.78 (0.20)	12.30 (0.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	88.39 (0.52)	6.45 (0.40)	1.84 (0.19)	0.48 (.)	2.84 (0.25)
CHE	86491	0.48	86079	90.98 (0.50)	4.84 (0.42)	1.49 (0.19)	0.40 (0.08)	2.30 (0.21)
TUR	481279	13.78	414937	58.37 (1.82)	14.22 (0.80)	3.93 (0.33)	2.86 (0.36)	20.62 (1.39)
GBR	698579	91.67	58219	94.71 (0.46)	3.18 (0.37)	1.16 (0.21)	0.36 (.)	0.59 (.)
USA	3147089	2.76	3060301	89.92 (0.44)	4.81 (0.30)	1.60 (0.22)	0.57 (0.11)	3.10 (0.21)
TOT	.	19.76	.	82.76 (0.31)	7.41 (0.21)	2.10 (0.09)	1.15 (0.07)	6.58 (0.17)
AVG	.	22.12	.	85.46 (0.17)	6.70 (0.10)	1.89 (0.05)	0.93 (0.03)	5.02 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	77.05 (1.19)	11.29 (0.66)	3.92 (0.47)	1.77 (0.22)	5.97 (0.58)
LIE	338	0.30	337	95.76 (1.21)	1.51 (.)	0.91 (.)	0.60 (.)	1.22 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	67.02 (1.89)	11.64 (0.58)	5.67 (0.52)	3.49 (0.48)	12.18 (1.17)
YUG	68596	1.90	67293	65.75 (1.38)	11.61 (0.58)	4.84 (0.32)	3.09 (0.32)	14.71 (1.12)
THA	637076	5.83	599963	67.02 (1.29)	23.70 (0.93)	4.52 (0.41)	3.62 (0.50)	1.14 (0.21)
TUN	150875	33.84	99822	31.30 (1.55)	19.11 (0.89)	11.02 (0.63)	10.84 (0.84)	27.73 (1.32)
URY	33775	3.82	32486	73.98 (0.98)	9.94 (0.64)	3.27 (0.26)	1.40 (0.21)	11.40 (0.93)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Open a file.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.85)	452 (7.66)	416 (12.70)	384 (29.39)	406 (8.44)
AUT	85931	1.17	84927	500 (3.16)	394 (9.63)	372 (14.16)	. (.)	384 (17.90)
BEL	111831	2.30	109260	525 (2.35)	441 (7.73)	402 (13.82)	356 (25.56)	371 (12.54)
CAN	330436	10.12	296990	535 (1.49)	479 (7.85)	453 (11.90)	406 (19.64)	474 (7.82)
CZE	121183	4.31	115964	503 (2.71)	439 (8.79)	432 (23.52)	. (.)	421 (8.83)
DNK	51741	0.70	51378	498 (2.51)	479 (7.62)	447 (15.09)	. (.)	402 (14.21)
FIN	57884	0.07	57845	546 (1.58)	524 (6.33)	492 (12.16)	460 (30.45)	512 (9.80)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (3.18)	436 (9.80)	395 (18.50)	. (.)	402 (11.32)
GRC	105131	2.07	102960	485 (4.24)	452 (4.94)	419 (9.96)	415 (17.83)	397 (13.65)
HUN	107044	0.17	106867	490 (2.51)	444 (5.90)	410 (17.92)	403 (15.94)	384 (13.15)
ISL	3928	0.69	3901	498 (1.63)	467 (8.11)	436 (12.81)	459 (14.71)	334 (19.22)
IRL	54850	1.31	54133	523 (2.64)	477 (6.63)	458 (11.85)	. (.)	441 (8.48)
ITA	481521	1.99	471943	489 (2.43)	436 (6.82)	400 (15.23)	405 (21.04)	401 (9.07)
JPN	1240054	1.42	1222475	516 (4.02)	483 (5.68)	426 (9.93)	402 (15.68)	461 (6.39)
KOR	533504	0.31	531834	539 (3.00)	494 (7.57)	460 (16.35)	. (.)	458 (11.22)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	438 (4.17)	387 (4.26)	367 (9.88)	352 (10.89)	330 (6.74)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	532 (2.39)	455 (7.64)	418 (18.19)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.57)	454 (6.51)	435 (9.72)	420 (18.43)	444 (7.89)
PRT	96857	0.82	96058	488 (3.52)	415 (7.73)	410 (15.67)	386 (18.27)	420 (8.67)
SVK	77067	3.71	74208	491 (2.49)	448 (4.81)	417 (9.07)	389 (10.07)	405 (5.53)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	520 (2.36)	497 (6.00)	481 (11.51)	. (.)	412 (16.33)
CHE	86491	0.48	86079	507 (3.31)	426 (6.70)	402 (17.27)	423 (22.48)	413 (9.49)
TUR	481279	13.78	414937	462 (7.28)	432 (7.65)	420 (9.76)	395 (10.53)	417 (5.95)
GBR	698579	91.67	58219	521 (2.54)	446 (11.35)	430 (15.53)	. (.)	. (.)
USA	3147089	2.76	3060301	507 (2.91)	419 (6.42)	400 (12.30)	380 (17.69)	428 (8.72)
TOT	.	19.76	.	505 (1.30)	436 (2.55)	404 (4.61)	388 (6.65)	411 (3.67)
AVG	.	22.12	.	508 (0.70)	448 (1.83)	419 (2.86)	404 (4.15)	411 (2.61)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	503 (3.69)	462 (5.66)	439 (7.96)	420 (17.80)	452 (6.35)
LIE	338	0.30	337	527 (3.84)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	463 (3.66)	421 (6.19)	406 (7.01)	391 (11.21)	403 (6.44)
YUG	68596	1.90	67293	430 (3.55)	397 (5.56)	384 (6.85)	373 (7.22)	368 (5.63)
THA	637076	5.83	599963	434 (3.29)	406 (3.64)	384 (6.89)	382 (8.09)	351 (11.55)
TUN	150875	33.84	99822	413 (7.48)	379 (5.12)	371 (6.39)	373 (6.24)	350 (5.12)
URY	33775	3.82	32486	457 (3.33)	398 (7.93)	405 (14.76)	358 (14.81)	353 (6.53)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Open a file.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.95)	451 (5.88)	424 (11.78)	426 (25.43)	427 (9.04)
AUT	85931	1.17	84927	512 (2.90)	440 (8.84)	418 (15.04)	. (.)	405 (17.85)
BEL	111831	2.30	109260	546 (2.18)	464 (7.20)	431 (10.96)	395 (23.48)	405 (10.32)
CAN	330436	10.12	296990	540 (1.55)	482 (7.15)	459 (13.24)	427 (15.24)	481 (8.69)
CZE	121183	4.31	115964	531 (3.16)	456 (8.07)	429 (26.51)	. (.)	438 (7.37)
DNK	51741	0.70	51378	521 (2.62)	485 (7.42)	458 (11.85)	. (.)	438 (12.38)
FIN	57884	0.07	57845	548 (1.87)	515 (5.10)	488 (10.42)	495 (27.35)	519 (8.62)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (3.21)	446 (8.64)	420 (17.40)	. (.)	429 (9.58)
GRC	105131	2.07	102960	458 (4.01)	421 (5.48)	402 (7.17)	398 (13.21)	378 (8.68)
HUN	107044	0.17	106867	500 (2.89)	436 (5.99)	406 (11.42)	394 (14.22)	389 (9.90)
ISL	3928	0.69	3901	521 (1.58)	484 (6.95)	453 (9.75)	482 (10.74)	404 (19.76)
IRL	54850	1.31	54133	510 (2.50)	469 (5.49)	455 (11.22)	. (.)	439 (6.95)
ITA	481521	1.99	471943	478 (2.66)	419 (6.80)	396 (9.56)	392 (16.19)	402 (5.98)
JPN	1240054	1.42	1222475	549 (4.33)	519 (5.49)	472 (8.31)	457 (13.74)	508 (6.05)
KOR	533504	0.31	531834	548 (3.29)	489 (7.32)	446 (12.40)	. (.)	480 (9.47)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	421 (3.64)	368 (3.54)	346 (7.32)	340 (6.46)	324 (6.31)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	532 (2.18)	470 (6.90)	444 (15.40)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	501 (2.30)	446 (5.33)	425 (9.18)	416 (13.95)	447 (7.15)
PRT	96857	0.82	96058	476 (3.18)	406 (6.05)	397 (14.68)	367 (13.15)	408 (7.49)
SVK	77067	3.71	74208	522 (2.75)	466 (4.01)	439 (7.38)	423 (8.80)	435 (6.45)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.64)	479 (5.88)	450 (10.78)	. (.)	424 (13.48)
CHE	86491	0.48	86079	535 (3.50)	449 (5.69)	423 (13.44)	431 (20.29)	433 (8.74)
TUR	481279	13.78	414937	450 (8.84)	416 (7.69)	407 (10.91)	395 (12.02)	393 (6.64)
GBR	698579	91.67	58219	529 (2.25)	455 (11.23)	436 (12.38)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (2.70)	412 (5.73)	399 (9.64)	393 (14.68)	409 (7.68)
TOT	.	19.76	.	504 (1.17)	434 (2.65)	406 (3.92)	406 (6.00)	420 (3.81)
AVG	.	22.12	.	514 (0.68)	446 (1.79)	420 (2.60)	416 (3.50)	421 (2.49)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	497 (3.82)	447 (5.10)	423 (6.31)	408 (17.17)	441 (5.25)
LIE	338	0.30	337	537 (4.26)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	490 (4.21)	444 (5.63)	427 (7.32)	415 (7.40)	431 (5.81)
YUG	68596	1.90	67293	456 (3.95)	415 (4.60)	408 (6.47)	396 (7.94)	394 (5.72)
THA	637076	5.83	599963	431 (3.56)	404 (4.01)	379 (6.42)	385 (8.57)	349 (13.14)
TUN	150875	33.84	99822	406 (7.13)	362 (4.25)	358 (5.11)	350 (4.64)	337 (3.78)
URY	33775	3.82	32486	443 (3.37)	389 (6.45)	396 (6.40)	355 (11.67)	354 (5.79)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Open a file.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.90)	443 (7.73)	413 (13.27)	392 (29.73)	427 (9.01)
AUT	85931	1.17	84927	498 (3.04)	402 (8.69)	385 (12.91)	. (.)	397 (16.52)
BEL	111831	2.30	109260	525 (2.32)	443 (7.28)	414 (11.93)	382 (21.65)	387 (10.95)
CAN	330436	10.12	296990	527 (1.76)	465 (7.94)	451 (12.52)	419 (19.24)	466 (9.49)
CZE	121183	4.31	115964	537 (3.00)	462 (8.92)	434 (26.21)	. (.)	447 (7.07)
DNK	51741	0.70	51378	483 (2.72)	443 (8.35)	414 (17.18)	. (.)	372 (13.77)
FIN	57884	0.07	57845	552 (1.87)	516 (6.96)	478 (12.95)	478 (27.73)	511 (10.07)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (3.44)	437 (10.24)	418 (19.09)	. (.)	419 (10.06)
GRC	105131	2.07	102960	494 (3.87)	455 (5.24)	436 (8.99)	421 (15.73)	419 (10.66)
HUN	107044	0.17	106867	514 (2.84)	452 (5.97)	419 (14.94)	398 (14.99)	400 (12.32)
ISL	3928	0.69	3901	502 (1.59)	453 (8.88)	424 (12.35)	439 (13.26)	396 (18.92)
IRL	54850	1.31	54133	513 (2.75)	463 (6.75)	446 (11.90)	. (.)	440 (7.80)
ITA	481521	1.99	471943	501 (2.60)	437 (7.38)	407 (13.71)	412 (18.31)	407 (8.15)
JPN	1240054	1.42	1222475	563 (4.58)	530 (6.04)	476 (10.23)	454 (15.70)	524 (6.56)
KOR	533504	0.31	531834	545 (3.57)	478 (8.54)	444 (15.89)	. (.)	467 (10.56)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (3.83)	390 (3.28)	368 (8.15)	364 (9.15)	355 (4.93)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	530 (2.42)	458 (6.90)	441 (16.47)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (2.73)	445 (6.53)	422 (10.28)	417 (17.41)	452 (8.00)
PRT	96857	0.82	96058	478 (3.31)	405 (7.10)	402 (15.20)	358 (17.95)	409 (7.23)
SVK	77067	3.71	74208	520 (2.81)	468 (4.24)	446 (8.12)	423 (15.78)	427 (6.84)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.74)	478 (7.34)	455 (14.67)	. (.)	402 (15.07)
CHE	86491	0.48	86079	523 (3.85)	431 (6.47)	399 (16.01)	418 (22.30)	413 (9.63)
TUR	481279	13.78	414937	456 (7.83)	423 (7.22)	417 (9.08)	401 (10.76)	413 (5.45)
GBR	698579	91.67	58219	519 (2.73)	437 (11.43)	407 (17.84)	. (.)	. (.)
USA	3147089	2.76	3060301	503 (2.84)	419 (5.92)	401 (12.12)	391 (19.39)	418 (9.65)
TOT	.	19.76	.	510 (1.25)	443 (2.56)	413 (4.41)	410 (6.56)	434 (3.57)
AVG	.	22.12	.	513 (0.66)	449 (1.68)	423 (2.62)	412 (3.67)	426 (2.33)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (3.83)	452 (5.60)	428 (7.72)	409 (18.18)	440 (6.18)
LIE	338	0.30	337	526 (4.74)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	511 (4.10)	461 (6.48)	450 (8.50)	431 (11.04)	455 (6.28)
YUG	68596	1.90	67293	454 (3.67)	416 (5.28)	403 (7.26)	395 (7.99)	399 (5.60)
THA	637076	5.83	599963	444 (3.24)	412 (4.04)	398 (6.41)	395 (8.82)	378 (11.72)
TUN	150875	33.84	99822	424 (6.76)	389 (4.35)	381 (5.68)	386 (4.99)	360 (4.93)
URY	33775	3.82	32486	457 (2.98)	412 (6.13)	415 (8.51)	375 (15.94)	373 (5.82)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Open a file.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.75)	456 (6.50)	416 (12.94)	417 (24.75)	433 (8.99)
AUT	85931	1.17	84927	513 (2.82)	436 (8.13)	410 (14.61)	. (.)	407 (17.07)
BEL	111831	2.30	109260	541 (2.11)	465 (6.49)	429 (10.61)	407 (17.87)	412 (10.37)
CAN	330436	10.12	296990	538 (1.50)	476 (7.35)	456 (12.60)	416 (17.16)	471 (9.24)
CZE	121183	4.31	115964	531 (2.94)	450 (7.76)	432 (29.96)	. (.)	439 (7.45)
DNK	51741	0.70	51378	523 (2.36)	487 (6.95)	455 (12.78)	. (.)	437 (13.44)
FIN	57884	0.07	57845	551 (1.84)	519 (5.93)	486 (12.97)	483 (25.35)	512 (8.74)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.16)	455 (8.44)	427 (14.91)	. (.)	431 (9.59)
GRC	105131	2.07	102960	460 (4.31)	428 (5.24)	404 (7.31)	404 (14.46)	385 (9.69)
HUN	107044	0.17	106867	511 (2.90)	451 (5.88)	421 (12.73)	406 (14.83)	393 (10.62)
ISL	3928	0.69	3901	511 (1.47)	477 (7.50)	447 (9.95)	474 (10.25)	392 (19.27)
IRL	54850	1.31	54133	506 (2.40)	463 (5.49)	446 (11.45)	. (.)	432 (6.87)
ITA	481521	1.99	471943	484 (2.51)	420 (7.64)	387 (13.53)	394 (19.76)	399 (7.98)
JPN	1240054	1.42	1222475	563 (4.27)	529 (5.85)	479 (9.67)	460 (13.43)	517 (6.28)
KOR	533504	0.31	531834	556 (3.12)	502 (6.96)	450 (13.15)	. (.)	497 (8.33)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.38)	365 (5.16)	338 (11.21)	335 (8.16)	320 (6.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	542 (2.09)	472 (7.07)	438 (15.42)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (2.52)	437 (6.04)	419 (8.86)	406 (15.66)	447 (7.06)
PRT	96857	0.82	96058	480 (3.60)	409 (7.17)	401 (15.30)	373 (16.84)	404 (9.21)
SVK	77067	3.71	74208	517 (2.75)	461 (3.72)	436 (9.44)	404 (12.70)	424 (5.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (2.39)	482 (6.75)	460 (11.09)	. (.)	440 (13.51)
CHE	86491	0.48	86079	530 (3.15)	448 (5.83)	423 (14.00)	433 (20.77)	420 (9.14)
TUR	481279	13.78	414937	433 (7.59)	398 (7.70)	388 (9.49)	369 (12.76)	379 (6.25)
GBR	698579	91.67	58219	530 (2.32)	450 (10.37)	437 (13.41)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (2.88)	403 (6.32)	391 (10.11)	374 (16.64)	404 (8.54)
TOT	.	19.76	.	505 (1.25)	432 (3.07)	401 (4.73)	400 (6.07)	419 (3.96)
AVG	.	22.12	.	515 (0.68)	446 (2.03)	417 (3.00)	411 (3.78)	418 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	497 (3.92)	445 (6.19)	418 (6.71)	403 (18.07)	437 (6.34)
LIE	338	0.30	337	531 (4.07)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	505 (4.30)	450 (5.96)	430 (6.63)	410 (10.04)	432 (6.74)
YUG	68596	1.90	67293	438 (3.44)	405 (4.91)	392 (6.92)	392 (7.17)	375 (6.01)
THA	637076	5.83	599963	440 (3.23)	410 (3.74)	389 (5.84)	384 (8.76)	354 (14.87)
TUN	150875	33.84	99822	384 (5.74)	350 (4.24)	343 (4.64)	344 (4.43)	322 (3.39)
URY	33775	3.82	32486	435 (3.55)	370 (8.56)	382 (9.50)	330 (13.81)	331 (5.37)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create/edit a document.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	90.11 (0.33)	5.38 (0.23)	1.55 (0.15)	0.58 (0.07)	2.38 (0.22)
AUT	85931	1.17	84927	89.57 (0.87)	6.51 (0.49)	1.72 (0.26)	0.95 (0.15)	1.26 (0.28)
BEL	111831	2.30	109260	83.00 (0.64)	8.36 (0.35)	2.17 (0.16)	1.28 (0.20)	5.20 (0.51)
CAN	330436	10.12	296990	88.60 (0.33)	6.48 (0.25)	2.26 (0.14)	0.66 (0.08)	2.00 (0.16)
CZE	121183	4.31	115964	74.32 (0.97)	13.33 (0.50)	4.22 (0.35)	2.16 (0.26)	5.96 (0.51)
DNK	51741	0.70	51378	84.14 (0.69)	9.10 (0.45)	2.84 (0.29)	1.00 (0.16)	2.91 (0.34)
FIN	57884	0.07	57845	74.35 (0.65)	16.20 (0.54)	5.23 (0.38)	1.71 (0.17)	2.52 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	82.08 (0.83)	9.40 (0.55)	3.73 (0.36)	0.61 (.)	4.18 (0.40)
GRC	105131	2.07	102960	76.21 (0.91)	14.75 (0.67)	4.00 (0.32)	1.71 (0.19)	3.33 (0.29)
HUN	107044	0.17	106867	80.29 (0.74)	12.60 (0.58)	2.64 (0.25)	1.53 (0.23)	2.93 (0.33)
ISL	3928	0.69	3901	85.11 (0.66)	8.66 (0.55)	3.61 (0.30)	1.45 (0.20)	1.16 (0.20)
IRL	54850	1.31	54133	78.56 (0.88)	11.10 (0.49)	4.35 (0.34)	1.97 (0.23)	4.02 (0.36)
ITA	481521	1.99	471943	59.31 (0.84)	20.42 (0.57)	9.97 (0.41)	5.20 (0.36)	5.10 (0.41)
JPN	1240054	1.42	1222475	61.95 (0.99)	17.59 (0.59)	3.75 (0.26)	3.17 (0.32)	13.54 (0.68)
KOR	533504	0.31	531834	71.79 (0.74)	19.94 (0.56)	3.86 (0.30)	1.78 (0.19)	2.63 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	51.93 (1.74)	20.30 (0.96)	6.96 (0.44)	4.18 (0.42)	16.64 (1.35)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	88.98 (0.51)	7.32 (0.46)	2.12 (0.26)	1.09 (0.16)	0.50 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	77.27 (0.89)	12.41 (0.56)	3.70 (0.35)	2.10 (0.26)	4.52 (0.41)
PRT	96857	0.82	96058	82.32 (0.89)	9.99 (0.65)	2.77 (0.30)	1.32 (0.20)	3.60 (0.36)
SVK	77067	3.71	74208	54.96 (1.27)	17.29 (0.64)	8.11 (0.49)	6.73 (0.42)	12.90 (0.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	84.17 (0.60)	8.56 (0.45)	3.25 (0.30)	1.21 (0.17)	2.82 (0.28)
CHE	86491	0.48	86079	82.23 (0.83)	10.43 (0.52)	3.67 (0.40)	1.33 (0.21)	2.34 (0.21)
TUR	481279	13.78	414937	36.42 (1.66)	27.14 (0.85)	7.95 (0.45)	6.70 (0.43)	21.78 (1.37)
GBR	698579	91.67	58219	90.19 (0.62)	6.48 (0.45)	1.80 (0.30)	0.95 (.)	0.58 (.)
USA	3147089	2.76	3060301	85.57 (0.64)	7.50 (0.45)	2.66 (0.28)	1.14 (0.15)	3.14 (0.22)
TOT	.	19.76	.	73.97 (0.39)	12.93 (0.25)	4.07 (0.12)	2.21 (0.08)	6.82 (0.18)
AVG	.	22.12	.	76.31 (0.22)	12.42 (0.14)	4.01 (0.06)	2.11 (0.05)	5.15 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	66.08 (1.61)	19.18 (0.95)	5.55 (0.48)	2.71 (0.34)	6.47 (0.62)
LIE	338	0.30	337	89.67 (1.54)	6.36 (.)	0.92 (.)	1.23 (.)	1.82 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	50.14 (1.90)	19.55 (0.67)	10.51 (0.54)	7.14 (0.76)	12.66 (1.12)
YUG	68596	1.90	67293	49.10 (1.34)	20.67 (0.81)	9.13 (0.50)	5.74 (0.40)	15.36 (1.14)
THA	637076	5.83	599963	44.96 (1.41)	36.84 (0.97)	8.94 (0.56)	7.91 (0.65)	1.35 (0.26)
TUN	150875	33.84	99822	30.75 (1.51)	21.45 (0.90)	11.15 (0.62)	11.40 (0.70)	25.25 (1.30)
URY	33775	3.82	32486	63.77 (0.89)	15.52 (0.57)	5.68 (0.48)	3.09 (0.34)	11.95 (0.95)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create/edit a document.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (1.90)	466 (5.55)	449 (9.76)	406 (11.79)	406 (9.13)
AUT	85931	1.17	84927	504 (3.02)	410 (7.97)	383 (10.64)	390 (19.78)	371 (15.23)
BEL	111831	2.30	109260	529 (2.33)	462 (6.03)	437 (10.99)	344 (24.27)	374 (12.19)
CAN	330436	10.12	296990	538 (1.50)	492 (4.47)	474 (7.49)	466 (12.84)	473 (8.65)
CZE	121183	4.31	115964	509 (2.78)	477 (4.09)	456 (7.11)	459 (10.01)	423 (8.91)
DNK	51741	0.70	51378	500 (2.52)	467 (6.48)	465 (9.71)	449 (18.21)	409 (14.96)
FIN	57884	0.07	57845	551 (1.62)	528 (3.48)	517 (4.82)	493 (13.29)	507 (10.05)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (3.28)	465 (6.13)	447 (7.70)	. (.)	403 (11.68)
GRC	105131	2.07	102960	486 (4.13)	448 (5.86)	410 (10.30)	393 (12.91)	400 (14.33)
HUN	107044	0.17	106867	494 (2.42)	452 (4.67)	419 (11.56)	408 (11.63)	389 (13.25)
ISL	3928	0.69	3901	500 (1.78)	470 (5.91)	457 (8.95)	408 (15.37)	345 (20.21)
IRL	54850	1.31	54133	527 (2.57)	482 (5.66)	477 (8.74)	457 (11.68)	439 (8.22)
ITA	481521	1.99	471943	494 (2.66)	471 (4.12)	454 (6.13)	440 (7.90)	399 (9.29)
JPN	1240054	1.42	1222475	518 (4.06)	493 (4.90)	439 (9.29)	391 (14.17)	462 (6.23)
KOR	533504	0.31	531834	548 (2.92)	512 (3.84)	484 (8.09)	444 (11.59)	461 (10.86)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	444 (4.05)	397 (3.74)	385 (6.56)	356 (7.89)	332 (6.45)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	534 (2.30)	463 (7.82)	438 (11.73)	427 (18.20)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (2.59)	466 (5.67)	467 (8.20)	446 (13.24)	443 (7.96)
PRT	96857	0.82	96058	491 (3.34)	420 (7.02)	422 (9.07)	404 (14.07)	417 (9.22)
SVK	77067	3.71	74208	500 (2.50)	463 (4.58)	452 (5.89)	429 (6.23)	406 (5.54)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	523 (2.41)	492 (5.47)	473 (8.23)	470 (14.79)	409 (16.03)
CHE	86491	0.48	86079	512 (3.56)	459 (5.31)	420 (8.61)	431 (11.97)	412 (11.66)
TUR	481279	13.78	414937	475 (9.23)	437 (6.98)	443 (6.88)	406 (7.39)	418 (5.52)
GBR	698579	91.67	58219	523 (2.57)	458 (9.89)	455 (12.09)	. (.)	. (.)
USA	3147089	2.76	3060301	510 (2.80)	437 (5.47)	415 (8.69)	413 (14.24)	426 (9.52)
TOT	.	19.76	.	509 (1.24)	457 (1.89)	433 (2.87)	405 (4.44)	410 (3.62)
AVG	.	22.12	.	513 (0.68)	465 (1.39)	447 (1.90)	420 (2.79)	411 (2.62)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	507 (3.75)	473 (5.33)	454 (6.66)	424 (9.01)	446 (6.78)
LIE	338	0.30	337	529 (3.92)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	469 (3.43)	440 (5.66)	421 (5.94)	395 (9.08)	403 (6.00)
YUG	68596	1.90	67293	434 (3.76)	406 (3.89)	405 (4.36)	389 (6.36)	367 (5.83)
THA	637076	5.83	599963	443 (4.00)	411 (2.82)	401 (5.53)	389 (5.79)	366 (9.78)
TUN	150875	33.84	99822	412 (7.31)	385 (5.09)	380 (6.16)	363 (5.87)	345 (5.51)
URY	33775	3.82	32486	462 (3.52)	415 (6.52)	414 (10.01)	381 (12.85)	354 (7.09)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create/edit a document.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.02)	465 (4.35)	446 (9.04)	418 (12.67)	429 (8.15)
AUT	85931	1.17	84927	516 (2.79)	443 (6.67)	423 (9.72)	421 (18.62)	394 (15.54)
BEL	111831	2.30	109260	551 (2.17)	481 (4.89)	451 (9.04)	384 (21.04)	405 (9.69)
CAN	330436	10.12	296990	543 (1.57)	490 (4.03)	476 (7.27)	466 (11.33)	480 (9.61)
CZE	121183	4.31	115964	539 (3.22)	495 (4.33)	471 (6.61)	463 (10.38)	440 (7.47)
DNK	51741	0.70	51378	524 (2.64)	480 (5.57)	460 (8.10)	446 (13.53)	445 (12.81)
FIN	57884	0.07	57845	555 (1.94)	520 (2.97)	502 (5.26)	492 (10.33)	515 (8.61)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.28)	467 (5.60)	452 (6.92)	. (.)	434 (9.87)
GRC	105131	2.07	102960	458 (3.91)	421 (5.42)	395 (7.72)	388 (9.02)	376 (8.67)
HUN	107044	0.17	106867	504 (2.88)	449 (4.84)	419 (10.59)	395 (12.57)	396 (10.74)
ISL	3928	0.69	3901	524 (1.69)	480 (5.05)	467 (8.04)	433 (12.90)	412 (19.11)
IRL	54850	1.31	54133	513 (2.45)	474 (5.13)	466 (6.91)	452 (10.20)	438 (7.04)
ITA	481521	1.99	471943	486 (2.86)	456 (3.76)	433 (5.61)	421 (7.80)	399 (6.15)
JPN	1240054	1.42	1222475	551 (4.41)	526 (4.92)	486 (8.95)	447 (12.45)	508 (5.96)
KOR	533504	0.31	531834	557 (3.31)	516 (3.97)	486 (7.42)	440 (10.60)	484 (9.01)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	427 (3.64)	379 (3.15)	363 (5.26)	340 (6.98)	325 (6.20)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	535 (2.14)	474 (6.70)	451 (10.25)	452 (13.15)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (2.34)	455 (4.64)	450 (8.61)	438 (8.97)	446 (7.08)
PRT	96857	0.82	96058	480 (3.01)	407 (6.19)	405 (7.81)	391 (9.99)	407 (7.91)
SVK	77067	3.71	74208	533 (2.81)	486 (3.73)	473 (4.93)	451 (5.60)	436 (6.30)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	519 (2.63)	482 (4.64)	452 (9.04)	441 (12.14)	421 (14.08)
CHE	86491	0.48	86079	541 (3.54)	478 (5.64)	438 (8.61)	434 (10.42)	429 (8.44)
TUR	481279	13.78	414937	465 (11.25)	420 (7.02)	427 (9.11)	400 (8.05)	394 (6.24)
GBR	698579	91.67	58219	531 (2.29)	468 (8.65)	464 (11.34)	. (.)	. (.)
USA	3147089	2.76	3060301	496 (2.60)	428 (4.65)	411 (7.48)	407 (11.64)	408 (8.56)
TOT	.	19.76	.	508 (1.11)	455 (1.88)	430 (2.69)	409 (3.92)	417 (3.80)
AVG	.	22.12	.	519 (0.65)	465 (1.32)	445 (1.75)	424 (2.33)	420 (2.60)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	503 (3.96)	459 (4.19)	438 (6.73)	410 (7.84)	436 (6.29)
LIE	338	0.30	337	539 (4.41)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	498 (4.14)	464 (5.63)	442 (5.33)	420 (8.17)	431 (5.38)
YUG	68596	1.90	67293	462 (4.08)	427 (4.06)	424 (4.81)	413 (5.78)	392 (5.63)
THA	637076	5.83	599963	444 (4.33)	406 (3.11)	395 (5.95)	387 (5.17)	362 (12.26)
TUN	150875	33.84	99822	402 (7.66)	370 (4.07)	359 (5.20)	348 (5.24)	336 (4.14)
URY	33775	3.82	32486	448 (3.50)	400 (5.00)	403 (7.03)	369 (8.63)	354 (5.41)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create/edit a document.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (1.94)	458 (6.10)	439 (10.28)	399 (12.14)	428 (9.13)
AUT	85931	1.17	84927	503 (2.86)	414 (8.23)	391 (10.13)	390 (18.49)	388 (14.58)
BEL	111831	2.30	109260	529 (2.36)	462 (5.03)	439 (9.16)	366 (18.67)	387 (10.48)
CAN	330436	10.12	296990	530 (1.79)	476 (5.30)	461 (8.70)	460 (13.06)	464 (10.65)
CZE	121183	4.31	115964	545 (3.07)	498 (4.57)	478 (7.22)	467 (10.28)	449 (7.18)
DNK	51741	0.70	51378	486 (2.78)	435 (6.68)	421 (8.92)	394 (18.70)	377 (13.49)
FIN	57884	0.07	57845	560 (2.02)	522 (3.28)	505 (5.85)	489 (12.25)	505 (10.20)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.51)	462 (6.21)	451 (8.14)	. (.)	422 (10.90)
GRC	105131	2.07	102960	494 (3.89)	457 (5.13)	422 (8.47)	414 (12.38)	423 (12.28)
HUN	107044	0.17	106867	518 (2.82)	463 (4.42)	432 (11.42)	407 (11.19)	404 (12.26)
ISL	3928	0.69	3901	505 (1.71)	453 (5.88)	440 (7.16)	394 (14.49)	406 (19.07)
IRL	54850	1.31	54133	517 (2.71)	473 (5.92)	462 (8.80)	436 (11.71)	439 (7.56)
ITA	481521	1.99	471943	509 (2.82)	478 (3.97)	453 (5.99)	441 (8.77)	406 (8.17)
JPN	1240054	1.42	1222475	565 (4.67)	539 (5.18)	491 (9.21)	444 (14.36)	525 (6.47)
KOR	533504	0.31	531834	555 (3.51)	510 (4.12)	475 (9.16)	425 (12.55)	471 (10.20)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	441 (3.69)	397 (3.57)	387 (4.77)	370 (7.23)	355 (5.03)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	533 (2.38)	464 (7.32)	448 (10.09)	442 (15.88)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (2.76)	459 (4.90)	449 (8.87)	441 (10.74)	451 (7.71)
PRT	96857	0.82	96058	482 (3.12)	408 (7.04)	407 (8.62)	386 (11.14)	409 (7.95)
SVK	77067	3.71	74208	530 (2.94)	485 (4.41)	474 (5.19)	452 (6.79)	429 (6.84)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.93)	477 (5.77)	447 (11.72)	452 (15.62)	402 (15.31)
CHE	86491	0.48	86079	529 (3.86)	462 (6.55)	421 (9.32)	406 (14.26)	410 (9.19)
TUR	481279	13.78	414937	472 (9.97)	429 (6.35)	430 (7.22)	401 (6.67)	413 (5.28)
GBR	698579	91.67	58219	522 (2.84)	452 (9.96)	436 (14.59)	. (.)	. (.)
USA	3147089	2.76	3060301	505 (2.77)	432 (5.13)	414 (7.81)	422 (14.62)	417 (10.58)
TOT	.	19.76	.	515 (1.25)	463 (1.95)	437 (2.62)	417 (4.20)	432 (3.64)
AVG	.	22.12	.	518 (0.66)	467 (1.29)	446 (1.73)	424 (2.43)	426 (2.40)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	510 (3.99)	464 (4.72)	440 (6.55)	413 (9.80)	437 (6.07)
LIE	338	0.30	337	529 (4.52)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	520 (4.04)	482 (5.87)	461 (6.13)	439 (8.29)	454 (6.19)
YUG	68596	1.90	67293	461 (3.77)	426 (3.75)	423 (5.15)	408 (5.69)	398 (5.55)
THA	637076	5.83	599963	456 (3.92)	418 (2.91)	406 (5.65)	396 (5.85)	393 (11.85)
TUN	150875	33.84	99822	422 (7.23)	393 (4.66)	386 (4.92)	382 (5.10)	356 (5.09)
URY	33775	3.82	32486	462 (2.98)	418 (5.42)	428 (7.17)	385 (9.15)	376 (5.77)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create/edit a document.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (1.81)	471 (4.58)	450 (9.06)	415 (12.19)	435 (8.00)
AUT	85931	1.17	84927	517 (2.69)	441 (6.66)	419 (9.60)	407 (18.18)	398 (13.73)
BEL	111831	2.30	109260	545 (2.15)	480 (4.69)	454 (9.36)	395 (13.51)	413 (9.88)
CAN	330436	10.12	296990	541 (1.54)	490 (4.19)	473 (7.35)	459 (11.12)	470 (9.47)
CZE	121183	4.31	115964	539 (2.95)	494 (4.08)	467 (6.83)	460 (9.72)	441 (7.67)
DNK	51741	0.70	51378	526 (2.35)	479 (5.64)	465 (9.01)	448 (14.55)	443 (14.19)
FIN	57884	0.07	57845	559 (1.88)	523 (3.30)	506 (5.58)	489 (10.72)	509 (8.74)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	532 (3.21)	478 (5.92)	461 (6.54)	. (.)	434 (10.00)
GRC	105131	2.07	102960	461 (4.16)	425 (5.58)	398 (8.14)	389 (10.98)	384 (9.71)
HUN	107044	0.17	106867	515 (2.82)	462 (5.21)	432 (10.84)	408 (11.65)	401 (11.43)
ISL	3928	0.69	3901	513 (1.51)	477 (4.95)	460 (9.42)	431 (11.66)	400 (16.78)
IRL	54850	1.31	54133	509 (2.37)	468 (4.76)	462 (7.56)	443 (10.52)	430 (7.00)
ITA	481521	1.99	471943	491 (2.80)	462 (4.23)	438 (5.83)	424 (9.82)	396 (8.07)
JPN	1240054	1.42	1222475	565 (4.26)	539 (5.20)	494 (9.60)	453 (11.98)	517 (6.24)
KOR	533504	0.31	531834	564 (3.05)	527 (3.89)	499 (8.12)	453 (11.21)	501 (8.15)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	430 (4.32)	377 (4.54)	360 (7.01)	332 (8.59)	320 (5.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.78	46800	544 (2.03)	479 (6.64)	456 (9.86)	446 (13.62)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.63)	448 (4.99)	444 (8.68)	431 (9.38)	447 (7.52)
PRT	96857	0.82	96058	484 (3.37)	409 (7.42)	407 (8.60)	395 (13.60)	404 (9.68)
SVK	77067	3.71	74208	527 (2.81)	481 (3.82)	468 (5.33)	440 (6.89)	425 (5.86)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	517 (2.38)	484 (4.59)	456 (8.32)	447 (12.52)	436 (12.99)
CHE	86491	0.48	86079	535 (3.24)	476 (5.27)	440 (7.70)	439 (12.88)	417 (10.08)
TUR	481279	13.78	414937	447 (9.84)	404 (6.46)	408 (7.84)	378 (7.09)	380 (5.87)
GBR	698579	91.67	58219	533 (2.35)	468 (9.04)	461 (11.48)	. (.)	. (.)
USA	3147089	2.76	3060301	491 (2.78)	420 (4.61)	403 (8.54)	393 (12.39)	403 (9.63)
TOT	.	19.76	.	509 (1.16)	456 (2.22)	429 (3.07)	403 (4.04)	416 (3.94)
AVG	.	22.12	.	520 (0.65)	466 (1.50)	445 (1.77)	420 (2.56)	417 (2.67)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (4.04)	458 (4.82)	440 (6.14)	405 (9.63)	432 (6.86)
LIE	338	0.30	337	533 (4.21)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	514 (4.25)	474 (5.71)	450 (5.93)	417 (9.94)	433 (5.99)
YUG	68596	1.90	67293	444 (3.70)	413 (3.83)	412 (4.44)	401 (5.61)	373 (5.80)
THA	637076	5.83	599963	452 (3.84)	415 (2.84)	402 (5.54)	392 (5.33)	370 (14.14)
TUN	150875	33.84	99822	381 (6.04)	357 (4.09)	347 (5.01)	338 (5.16)	319 (3.79)
URY	33775	3.82	32486	439 (3.76)	390 (6.13)	387 (7.66)	362 (11.19)	330 (5.46)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Scroll a document up and down a screen.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	94.06 (0.30)	2.34 (0.18)	0.74 (0.08)	0.40 (0.06)	2.46 (0.23)
AUT	85931	1.17	84927	80.90 (0.95)	9.28 (0.53)	4.01 (0.31)	4.38 (0.33)	1.43 (0.31)
BEL	111831	2.30	109260	82.65 (0.62)	7.45 (0.36)	2.43 (0.18)	2.27 (0.22)	5.19 (0.53)
CAN	330436	10.12	296990	90.97 (0.31)	4.42 (0.19)	1.51 (0.11)	1.05 (0.10)	2.05 (0.18)
CZE	121183	4.31	115964	87.80 (0.69)	4.10 (0.33)	1.36 (0.18)	0.90 (0.20)	5.83 (0.50)
DNK	51741	0.70	51378	87.30 (0.63)	5.47 (0.35)	2.47 (0.23)	1.95 (0.25)	2.80 (0.35)
FIN	57884	0.07	57845	85.60 (0.59)	6.71 (0.38)	2.79 (0.24)	2.33 (0.22)	2.57 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	90.27 (0.59)	3.04 (0.28)	1.56 (0.19)	0.52 (.)	4.61 (0.40)
GRC	105131	2.07	102960	84.44 (0.80)	8.35 (0.44)	3.03 (0.30)	1.18 (0.17)	2.99 (0.31)
HUN	107044	0.17	106867	82.13 (0.68)	10.48 (0.52)	2.88 (0.27)	1.55 (0.23)	2.96 (0.33)
ISL	3928	0.69	3901	89.61 (0.53)	4.38 (0.35)	2.53 (0.29)	2.28 (0.27)	1.19 (0.19)
IRL	54850	1.31	54133	85.83 (0.78)	5.36 (0.35)	2.35 (0.29)	2.04 (0.27)	4.42 (0.38)
ITA	481521	1.99	471943	79.47 (0.77)	9.27 (0.42)	3.71 (0.25)	2.43 (0.20)	5.11 (0.45)
JPN	1240054	1.42	1222475	53.36 (1.08)	14.69 (0.63)	6.59 (0.38)	11.64 (0.59)	13.72 (0.72)
KOR	533504	0.31	531834	88.45 (0.51)	5.93 (0.36)	1.67 (0.17)	1.32 (0.15)	2.63 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	62.46 (1.63)	14.66 (0.66)	4.45 (0.40)	2.93 (0.34)	15.49 (1.34)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	92.71 (0.40)	4.25 (0.33)	1.68 (0.23)	0.70 (.)	0.66 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	83.34 (0.79)	8.22 (0.47)	2.41 (0.24)	1.74 (0.21)	4.29 (0.41)
PRT	96857	0.82	96058	88.11 (0.74)	5.90 (0.43)	1.82 (0.23)	0.59 (0.14)	3.57 (0.36)
SVK	77067	3.71	74208	74.29 (1.15)	7.91 (0.40)	2.75 (0.32)	2.43 (0.28)	12.62 (0.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	85.93 (0.59)	6.20 (0.36)	2.55 (0.23)	2.51 (0.23)	2.82 (0.27)
CHE	86491	0.48	86079	75.71 (0.83)	11.04 (0.57)	4.24 (0.34)	6.56 (0.38)	2.46 (0.23)
TUR	481279	13.78	414937	53.36 (1.84)	15.03 (0.72)	5.36 (0.45)	4.85 (0.43)	21.40 (1.42)
GBR	698579	91.67	58219	94.61 (0.44)	2.84 (0.33)	1.15 (0.23)	0.71 (.)	0.70 (.)
USA	3147089	2.76	3060301	90.64 (0.44)	3.83 (0.28)	1.70 (0.21)	0.73 (0.13)	3.10 (0.22)
TOT	.	19.76	.	79.86 (0.29)	7.65 (0.16)	2.94 (0.09)	2.82 (0.10)	6.73 (0.18)
AVG	.	22.13	.	82.30 (0.17)	7.36 (0.09)	2.76 (0.05)	2.46 (0.06)	5.12 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	70.26 (1.16)	14.15 (0.64)	5.90 (0.54)	3.24 (0.38)	6.46 (0.59)
LIE	338	0.30	337	79.63 (2.29)	11.22 (1.74)	2.75 (.)	4.57 (.)	1.83 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	62.24 (1.79)	13.45 (0.69)	6.67 (0.47)	4.73 (0.55)	12.91 (1.11)
YUG	68596	1.87	67311	71.90 (1.27)	8.05 (0.50)	2.97 (0.28)	2.38 (0.26)	14.71 (1.13)
THA	637076	5.83	599963	63.53 (1.17)	24.91 (0.93)	5.81 (0.44)	4.56 (0.46)	1.18 (0.22)
TUN	150875	33.84	99822	36.75 (1.53)	17.72 (0.80)	10.28 (0.63)	8.86 (0.66)	26.40 (1.31)
URY	33775	3.82	32486	69.80 (1.05)	11.00 (0.69)	4.20 (0.33)	2.98 (0.25)	12.02 (0.97)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Scroll a document up and down a screen.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.85)	424 (9.07)	397 (11.29)	413 (16.17)	406 (8.83)
AUT	85931	1.17	84927	509 (3.25)	426 (5.43)	416 (7.66)	461 (9.32)	366 (14.34)
BEL	111831	2.30	109260	529 (2.33)	455 (5.95)	439 (10.23)	425 (16.61)	371 (12.77)
CAN	330436	10.12	296990	537 (1.53)	481 (5.50)	463 (8.54)	493 (10.27)	473 (7.84)
CZE	121183	4.31	115964	505 (2.69)	441 (6.85)	432 (11.49)	418 (12.77)	422 (9.47)
DNK	51741	0.70	51378	500 (2.56)	455 (6.63)	448 (10.02)	479 (12.71)	401 (14.11)
FIN	57884	0.07	57845	550 (1.56)	508 (5.70)	481 (8.49)	512 (9.41)	506 (10.03)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	511 (3.18)	428 (9.27)	391 (12.72)	. (.)	404 (10.71)
GRC	105131	2.07	102960	484 (4.07)	429 (6.89)	401 (11.80)	402 (16.85)	397 (14.97)
HUN	107044	0.17	106867	495 (2.50)	441 (5.39)	402 (9.35)	403 (11.89)	391 (13.23)
ISL	3928	0.69	3901	499 (1.56)	444 (10.71)	430 (10.17)	459 (10.68)	344 (21.44)
IRL	54850	1.31	54133	527 (2.44)	454 (7.13)	446 (9.65)	440 (11.59)	441 (8.07)
ITA	481521	1.99	471943	491 (2.29)	439 (6.58)	419 (9.55)	430 (11.73)	400 (9.17)
JPN	1240054	1.42	1222475	527 (4.21)	480 (6.26)	454 (7.68)	465 (6.94)	463 (6.29)
KOR	533504	0.31	531834	542 (2.89)	494 (7.30)	460 (9.75)	437 (12.81)	460 (10.61)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	439 (3.93)	381 (4.43)	374 (6.86)	347 (8.80)	329 (6.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	534 (2.26)	415 (7.16)	398 (13.73)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (2.51)	445 (6.35)	446 (11.58)	424 (12.91)	444 (7.79)
PRT	96857	0.82	96058	488 (3.30)	401 (9.17)	387 (11.76)	392 (17.92)	418 (8.72)
SVK	77067	3.71	74208	492 (2.25)	442 (6.39)	416 (10.64)	397 (9.34)	405 (5.65)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	523 (2.34)	474 (7.14)	478 (11.97)	486 (10.04)	410 (15.38)
CHE	86491	0.48	86079	514 (3.66)	452 (5.36)	448 (7.04)	475 (6.69)	405 (10.51)
TUR	481279	13.78	414937	470 (7.65)	423 (6.42)	415 (6.93)	397 (7.91)	416 (5.68)
GBR	698579	91.67	58219	521 (2.56)	440 (8.43)	410 (16.44)	. (.)	. (.)
USA	3147089	2.76	3060301	508 (2.82)	401 (7.00)	382 (10.92)	386 (14.97)	425 (10.33)
TOT	.	19.76	.	507 (1.26)	434 (2.41)	418 (3.43)	436 (4.07)	410 (3.63)
AVG	.	22.13	.	511 (0.65)	443 (1.61)	428 (2.17)	443 (2.78)	410 (2.48)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	507 (3.71)	457 (5.92)	457 (9.32)	451 (9.80)	448 (5.94)
LIE	338	0.30	337	533 (4.07)	501 (14.70)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	465 (3.62)	428 (6.03)	402 (6.94)	395 (9.96)	404 (6.51)
YUG	68596	1.87	67311	428 (3.41)	387 (5.91)	377 (8.47)	376 (9.23)	366 (5.88)
THA	637076	5.83	599963	436 (3.30)	405 (3.47)	393 (6.11)	378 (7.61)	357 (10.76)
TUN	150875	33.84	99822	412 (6.64)	382 (5.36)	364 (7.26)	364 (6.62)	346 (5.48)
URY	33775	3.82	32486	461 (3.33)	403 (7.73)	393 (9.79)	374 (12.01)	352 (7.45)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Scroll a document up and down a screen.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.94)	433 (7.42)	400 (9.41)	432 (14.09)	430 (8.10)
AUT	85931	1.17	84927	522 (2.93)	445 (4.08)	434 (6.26)	468 (7.68)	396 (14.90)
BEL	111831	2.30	109260	552 (2.21)	472 (5.06)	455 (9.50)	441 (14.15)	404 (10.22)
CAN	330436	10.12	296990	542 (1.58)	484 (4.97)	470 (8.13)	491 (9.97)	479 (8.31)
CZE	121183	4.31	115964	533 (3.16)	463 (6.80)	435 (11.18)	438 (10.56)	438 (7.49)
DNK	51741	0.70	51378	523 (2.53)	463 (6.64)	451 (8.22)	479 (12.33)	434 (11.58)
FIN	57884	0.07	57845	552 (1.89)	503 (5.09)	470 (6.70)	503 (8.65)	513 (8.91)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (3.21)	443 (8.24)	416 (12.61)	. (.)	433 (8.78)
GRC	105131	2.07	102960	455 (4.03)	409 (5.12)	390 (8.08)	384 (14.65)	374 (8.73)
HUN	107044	0.17	106867	506 (2.90)	434 (4.27)	405 (7.71)	388 (10.18)	392 (10.21)
ISL	3928	0.69	3901	522 (1.53)	466 (7.32)	445 (9.13)	482 (8.98)	410 (18.31)
IRL	54850	1.31	54133	513 (2.29)	446 (6.47)	439 (9.32)	434 (10.09)	439 (6.79)
ITA	481521	1.99	471943	480 (2.75)	428 (5.64)	409 (7.19)	425 (9.90)	400 (6.15)
JPN	1240054	1.42	1222475	560 (4.61)	516 (5.51)	489 (6.69)	502 (5.98)	508 (5.97)
KOR	533504	0.31	531834	551 (3.19)	488 (7.30)	453 (11.37)	430 (11.56)	483 (8.86)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	421 (3.79)	364 (4.07)	354 (6.13)	330 (8.38)	324 (6.04)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	535 (2.07)	432 (6.75)	427 (10.58)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.22)	441 (5.41)	432 (9.00)	423 (10.24)	448 (7.35)
PRT	96857	0.82	96058	477 (2.96)	389 (7.77)	374 (10.38)	387 (15.31)	407 (8.21)
SVK	77067	3.71	74208	522 (2.60)	465 (4.70)	440 (9.84)	429 (9.36)	435 (6.52)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	519 (2.56)	463 (6.64)	459 (13.06)	467 (7.71)	421 (12.42)
CHE	86491	0.48	86079	546 (3.80)	470 (4.51)	463 (6.71)	479 (6.84)	426 (8.62)
TUR	481279	13.78	414937	460 (9.21)	403 (6.82)	400 (9.81)	388 (9.96)	391 (6.45)
GBR	698579	91.67	58219	529 (2.30)	455 (8.29)	427 (14.59)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (2.65)	394 (7.33)	388 (8.30)	389 (15.14)	407 (8.64)
TOT	.	19.76	.	505 (1.17)	437 (2.63)	425 (3.63)	453 (3.70)	419 (3.73)
AVG	.	22.13	.	516 (0.66)	445 (1.51)	432 (2.27)	452 (2.58)	420 (2.47)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (3.86)	449 (4.61)	436 (8.39)	433 (8.57)	437 (5.40)
LIE	338	0.30	337	547 (4.53)	494 (14.53)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	494 (4.03)	450 (5.70)	425 (6.31)	419 (9.47)	431 (5.77)
YUG	68596	1.87	67311	453 (3.63)	407 (5.95)	402 (9.29)	400 (7.82)	392 (5.81)
THA	637076	5.83	599963	435 (3.48)	400 (3.63)	387 (6.64)	382 (6.74)	350 (11.86)
TUN	150875	33.84	99822	400 (6.82)	365 (4.11)	354 (5.67)	347 (5.87)	335 (3.89)
URY	33775	3.82	32486	447 (3.31)	393 (7.41)	389 (8.60)	365 (8.01)	353 (5.72)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Scroll a document up and down a screen.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.90)	423 (9.10)	387 (10.57)	404 (15.98)	428 (8.87)
AUT	85931	1.17	84927	509 (3.01)	422 (4.39)	408 (6.82)	447 (9.55)	386 (14.70)
BEL	111831	2.30	109260	530 (2.38)	455 (5.14)	438 (9.37)	424 (13.83)	387 (10.96)
CAN	330436	10.12	296990	529 (1.78)	466 (5.39)	444 (10.32)	484 (11.12)	462 (9.33)
CZE	121183	4.31	115964	539 (3.03)	464 (8.31)	448 (10.85)	434 (14.59)	447 (7.51)
DNK	51741	0.70	51378	486 (2.68)	422 (7.24)	401 (10.76)	430 (15.15)	366 (12.95)
FIN	57884	0.07	57845	557 (1.95)	501 (6.21)	466 (7.93)	502 (9.38)	503 (10.16)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	521 (3.43)	434 (9.28)	406 (13.36)	. (.)	422 (9.51)
GRC	105131	2.07	102960	492 (3.81)	440 (6.22)	415 (10.47)	415 (14.74)	421 (13.06)
HUN	107044	0.17	106867	519 (2.86)	448 (5.15)	416 (8.79)	400 (10.97)	405 (12.54)
ISL	3928	0.69	3901	503 (1.57)	436 (9.80)	414 (9.28)	446 (9.16)	403 (18.59)
IRL	54850	1.31	54133	516 (2.51)	442 (8.87)	432 (9.79)	424 (11.37)	440 (7.26)
ITA	481521	1.99	471943	503 (2.66)	446 (6.60)	428 (8.53)	427 (11.61)	407 (7.98)
JPN	1240054	1.42	1222475	575 (4.87)	526 (6.03)	501 (7.52)	510 (6.96)	525 (6.48)
KOR	533504	0.31	531834	548 (3.42)	478 (7.16)	445 (12.50)	416 (14.11)	471 (9.90)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (3.71)	384 (3.92)	375 (5.72)	357 (6.75)	353 (4.90)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	532 (2.28)	421 (6.87)	414 (10.69)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.71)	440 (5.68)	435 (10.75)	433 (12.17)	452 (7.63)
PRT	96857	0.82	96058	479 (3.04)	390 (8.46)	376 (11.89)	374 (18.62)	408 (7.63)
SVK	77067	3.71	74208	520 (2.65)	465 (5.36)	443 (8.95)	427 (10.55)	427 (6.77)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.79)	455 (7.47)	458 (14.52)	469 (10.55)	401 (13.84)
CHE	86491	0.48	86079	534 (4.14)	453 (5.70)	441 (9.05)	464 (8.18)	408 (9.41)
TUR	481279	13.78	414937	466 (8.16)	414 (6.18)	404 (7.74)	391 (8.30)	411 (5.39)
GBR	698579	91.67	58219	519 (2.76)	427 (9.23)	388 (18.56)	. (.)	. (.)
USA	3147089	2.76	3060301	503 (2.78)	404 (7.09)	386 (9.60)	398 (13.05)	413 (10.66)
TOT	.	19.76	.	511 (1.24)	445 (2.63)	431 (3.58)	460 (4.28)	432 (3.61)
AVG	.	22.13	.	516 (0.64)	445 (1.50)	429 (2.42)	448 (2.71)	425 (2.24)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	509 (3.89)	451 (5.46)	438 (9.85)	434 (10.41)	437 (5.93)
LIE	338	0.30	337	536 (4.93)	482 (18.38)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	514 (4.04)	468 (6.51)	445 (8.09)	440 (9.39)	455 (6.50)
YUG	68596	1.87	67311	452 (3.35)	407 (6.09)	401 (8.82)	397 (10.07)	397 (5.66)
THA	637076	5.83	599963	447 (3.15)	410 (3.82)	401 (6.68)	392 (7.62)	380 (12.24)
TUN	150875	33.84	99822	420 (6.62)	393 (5.29)	376 (6.21)	381 (5.45)	356 (4.85)
URY	33775	3.82	32486	462 (2.91)	410 (6.49)	407 (9.60)	383 (10.32)	372 (5.94)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Scroll a document up and down a screen.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (1.75)	435 (7.35)	402 (9.29)	425 (14.76)	435 (8.06)
AUT	85931	1.17	84927	523 (2.83)	447 (4.85)	436 (6.33)	466 (8.01)	398 (13.96)
BEL	111831	2.30	109260	545 (2.14)	471 (4.84)	460 (8.95)	449 (10.99)	412 (10.35)
CAN	330436	10.12	296990	540 (1.53)	482 (5.10)	465 (7.60)	489 (10.96)	468 (8.63)
CZE	121183	4.31	115964	533 (2.97)	461 (6.62)	439 (9.93)	435 (10.34)	440 (7.77)
DNK	51741	0.70	51378	526 (2.28)	462 (6.33)	450 (9.54)	486 (11.30)	435 (13.34)
FIN	57884	0.07	57845	556 (1.88)	507 (5.37)	478 (7.34)	501 (9.34)	507 (9.08)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (3.19)	452 (7.85)	422 (11.44)	. (.)	433 (9.05)
GRC	105131	2.07	102960	459 (4.16)	408 (6.15)	390 (7.58)	396 (15.26)	382 (9.69)
HUN	107044	0.17	106867	517 (2.86)	448 (4.89)	414 (8.56)	404 (11.78)	399 (10.87)
ISL	3928	0.69	3901	512 (1.40)	458 (7.57)	439 (8.43)	468 (9.51)	398 (17.83)
IRL	54850	1.31	54133	508 (2.24)	444 (5.96)	437 (8.48)	429 (10.11)	431 (6.74)
ITA	481521	1.99	471943	486 (2.56)	429 (6.48)	409 (7.78)	426 (11.23)	395 (8.39)
JPN	1240054	1.42	1222475	575 (4.45)	527 (5.88)	499 (7.20)	512 (6.17)	518 (6.16)
KOR	533504	0.31	531834	559 (2.97)	502 (7.53)	462 (10.33)	447 (11.92)	500 (7.78)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.39)	359 (5.19)	348 (8.02)	324 (10.71)	319 (5.98)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	544 (1.98)	440 (6.57)	422 (10.68)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	499 (2.47)	431 (6.56)	427 (9.89)	414 (10.82)	448 (7.53)
PRT	96857	0.82	96058	481 (3.36)	392 (9.50)	375 (11.95)	382 (18.62)	403 (9.66)
SVK	77067	3.71	74208	517 (2.58)	460 (5.05)	432 (9.72)	410 (11.89)	424 (6.15)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	517 (2.29)	467 (6.04)	467 (12.21)	464 (8.70)	438 (12.27)
CHE	86491	0.48	86079	539 (3.39)	468 (4.69)	464 (6.73)	483 (6.63)	413 (9.45)
TUR	481279	13.78	414937	441 (7.89)	387 (6.97)	386 (8.15)	368 (9.14)	378 (6.09)
GBR	698579	91.67	58219	530 (2.36)	453 (7.78)	420 (14.07)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (2.82)	386 (6.44)	375 (9.70)	372 (14.34)	401 (9.53)
TOT	.	19.76	.	505 (1.23)	437 (2.87)	424 (4.15)	455 (4.27)	417 (3.81)
AVG	.	22.13	.	517 (0.65)	445 (1.67)	432 (2.39)	451 (2.84)	417 (2.53)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (4.02)	446 (5.42)	435 (9.92)	430 (8.70)	433 (5.73)
LIE	338	0.30	337	539 (4.59)	497 (13.74)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	509 (4.22)	459 (6.05)	432 (6.28)	408 (11.13)	433 (6.26)
YUG	68596	1.87	67311	436 (3.29)	395 (5.63)	389 (9.01)	397 (8.99)	373 (5.99)
THA	637076	5.83	599963	443 (3.21)	408 (3.36)	399 (6.15)	382 (7.53)	358 (13.87)
TUN	150875	33.84	99822	381 (5.22)	352 (4.07)	343 (4.97)	338 (6.17)	318 (3.66)
URY	33775	3.82	32486	437 (3.71)	385 (8.51)	372 (9.86)	359 (11.13)	328 (5.66)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a database to produce a list of addresses.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	65.87 (0.64)	22.30 (0.53)	6.49 (0.31)	2.88 (0.22)	2.46 (0.23)
AUT	85931	1.17	84927	56.97 (1.12)	25.93 (0.77)	11.27 (0.54)	4.37 (0.33)	1.46 (0.26)
BEL	111831	2.30	109260	52.80 (0.83)	27.71 (0.72)	8.45 (0.39)	5.61 (0.30)	5.42 (0.54)
CAN	330436	10.12	296990	62.17 (0.54)	22.70 (0.42)	7.97 (0.27)	4.63 (0.21)	2.53 (0.20)
CZE	121183	4.31	115964	56.34 (1.15)	26.75 (0.76)	7.24 (0.45)	3.69 (0.26)	5.98 (0.50)
DNK	51741	0.70	51378	45.03 (0.85)	31.08 (0.73)	11.52 (0.51)	9.20 (0.48)	3.17 (0.35)
FIN	57884	0.07	57845	45.18 (0.79)	33.54 (0.66)	11.20 (0.40)	7.47 (0.38)	2.61 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	54.55 (0.89)	26.36 (0.71)	10.29 (0.42)	3.96 (0.31)	4.83 (0.40)
GRC	105131	2.07	102960	40.75 (1.01)	36.52 (0.73)	13.70 (0.60)	5.96 (0.46)	3.08 (0.31)
HUN	107044	0.17	106867	36.40 (0.90)	38.33 (0.82)	12.90 (0.53)	8.89 (0.43)	3.48 (0.37)
ISL	3928	0.69	3901	70.03 (0.80)	18.23 (0.67)	6.10 (0.44)	4.45 (0.42)	1.19 (0.19)
IRL	54850	1.31	54133	47.35 (1.04)	26.92 (0.85)	14.34 (0.55)	7.04 (0.45)	4.34 (0.41)
ITA	481521	1.99	471943	33.21 (0.86)	28.90 (0.66)	17.55 (0.57)	15.06 (0.60)	5.28 (0.44)
JPN	1240054	1.42	1222475	26.15 (0.75)	30.28 (0.79)	15.57 (0.55)	14.35 (0.54)	13.66 (0.71)
KOR	533504	0.31	531834	36.84 (0.66)	43.39 (0.76)	9.94 (0.43)	7.16 (0.37)	2.66 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	37.04 (1.36)	30.58 (0.81)	10.98 (0.57)	5.65 (0.47)	15.76 (1.38)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	63.68 (0.91)	24.25 (0.69)	7.73 (0.41)	3.49 (0.34)	0.85 (0.15)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	62.71 (1.03)	22.38 (0.62)	7.55 (0.46)	3.03 (0.29)	4.33 (0.42)
PRT	96857	0.82	96058	51.35 (0.97)	31.74 (0.75)	9.82 (0.54)	3.29 (0.32)	3.80 (0.36)
SVK	77067	3.71	74208	36.75 (1.11)	27.93 (0.71)	13.40 (0.54)	9.12 (0.47)	12.80 (0.97)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	42.96 (0.91)	32.27 (0.86)	13.10 (0.52)	8.66 (0.45)	3.01 (0.28)
CHE	86491	0.48	86079	52.90 (1.07)	26.86 (0.75)	10.98 (0.45)	6.49 (0.43)	2.76 (0.22)
TUR	481279	13.78	414937	31.34 (1.44)	29.48 (0.94)	9.34 (0.48)	7.90 (0.44)	21.93 (1.48)
GBR	698579	91.67	58219	76.57 (1.04)	16.10 (0.72)	5.02 (0.47)	1.70 (0.26)	0.61 (.)
USA	3147089	2.76	3060301	65.59 (0.80)	19.88 (0.55)	8.50 (0.53)	2.90 (0.26)	3.13 (0.24)
TOT	.	19.76	.	50.10 (0.38)	26.37 (0.23)	10.50 (0.21)	6.18 (0.14)	6.85 (0.18)
AVG	.	22.13	.	49.09 (0.23)	28.50 (0.15)	10.66 (0.10)	6.46 (0.10)	5.29 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	37.84 (1.03)	32.18 (0.79)	16.30 (0.64)	7.30 (0.50)	6.39 (0.60)
LIE	338	0.30	337	58.32 (2.51)	25.64 (2.24)	10.28 (1.68)	4.25 (.)	1.52 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	36.04 (1.31)	25.94 (0.86)	15.07 (0.58)	9.88 (0.71)	13.07 (1.02)
YUG	68596	1.90	67293	42.51 (1.14)	25.55 (0.79)	11.15 (0.57)	5.62 (0.41)	15.17 (1.14)
THA	637076	5.83	599963	23.36 (1.04)	46.02 (1.02)	15.16 (0.72)	13.94 (1.00)	1.52 (0.28)
TUN	150875	33.84	99822	26.33 (1.22)	21.80 (0.90)	12.90 (0.65)	12.13 (0.73)	26.84 (1.38)
URY	33775	3.82	32486	46.01 (1.03)	24.46 (0.71)	10.22 (0.53)	6.69 (0.45)	12.62 (0.99)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a database to produce a list of addresses.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (2.08)	531 (3.42)	516 (4.72)	522 (6.24)	407 (9.10)
AUT	85931	1.17	84927	506 (3.58)	488 (4.69)	472 (6.99)	456 (8.87)	385 (14.00)
BEL	111831	2.30	109260	522 (2.68)	523 (3.48)	511 (5.85)	486 (9.68)	370 (12.13)
CAN	330436	10.12	296990	534 (1.70)	534 (2.46)	521 (4.02)	537 (4.29)	484 (7.41)
CZE	121183	4.31	115964	505 (2.83)	500 (3.45)	477 (5.89)	490 (7.36)	422 (8.96)
DNK	51741	0.70	51378	492 (3.13)	498 (3.64)	495 (4.77)	501 (6.04)	416 (13.77)
FIN	57884	0.07	57845	543 (2.12)	548 (2.29)	535 (3.32)	549 (5.15)	508 (10.18)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	513 (3.48)	504 (4.29)	488 (5.77)	473 (10.81)	403 (11.18)
GRC	105131	2.07	102960	487 (5.08)	470 (3.95)	469 (5.86)	444 (10.36)	393 (15.02)
HUN	107044	0.17	106867	494 (3.44)	484 (3.04)	475 (4.22)	473 (5.75)	390 (11.60)
ISL	3928	0.69	3901	495 (2.03)	499 (4.29)	479 (6.68)	477 (8.93)	338 (19.82)
IRL	54850	1.31	54133	526 (2.78)	513 (3.84)	515 (4.00)	498 (6.76)	439 (8.39)
ITA	481521	1.99	471943	480 (3.62)	481 (3.50)	480 (4.42)	488 (4.56)	400 (9.37)
JPN	1240054	1.42	1222475	527 (5.19)	511 (4.15)	497 (4.88)	462 (6.69)	462 (6.23)
KOR	533504	0.31	531834	544 (3.23)	534 (3.23)	526 (4.68)	522 (6.79)	458 (10.60)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	440 (4.75)	417 (3.46)	400 (5.50)	383 (6.48)	329 (6.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	528 (2.54)	527 (4.61)	520 (5.90)	508 (11.36)	403 (16.91)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	506 (2.82)	495 (4.17)	490 (6.28)	464 (10.71)	442 (7.70)
PRT	96857	0.82	96058	484 (3.76)	478 (5.10)	477 (5.31)	459 (10.88)	419 (8.75)
SVK	77067	3.71	74208	491 (3.09)	487 (3.37)	471 (4.43)	452 (5.65)	405 (5.61)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.93)	521 (3.04)	517 (4.49)	522 (6.36)	413 (16.38)
CHE	86491	0.48	86079	507 (4.12)	503 (3.62)	489 (4.33)	477 (7.46)	415 (9.37)
TUR	481279	13.78	414937	466 (9.15)	449 (7.05)	444 (8.86)	428 (7.38)	417 (5.55)
GBR	698579	91.67	58219	518 (2.69)	519 (4.97)	506 (8.53)	480 (13.46)	. (.)
USA	3147089	2.76	3060301	506 (2.83)	495 (4.75)	483 (8.40)	461 (9.44)	428 (9.03)
TOT	.	19.76	.	505 (1.35)	492 (1.68)	481 (2.88)	466 (2.73)	410 (3.56)
AVG	.	22.13	.	508 (0.71)	500 (0.98)	489 (1.37)	481 (1.96)	411 (2.47)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (4.22)	494 (4.21)	490 (4.66)	469 (8.98)	451 (6.12)
LIE	338	0.30	337	530 (5.08)	521 (9.97)	528 (14.80)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	462 (3.76)	452 (5.23)	443 (5.56)	421 (6.98)	404 (6.32)
YUG	68596	1.90	67293	428 (3.96)	419 (4.07)	414 (4.53)	394 (7.50)	366 (5.71)
THA	637076	5.83	599963	437 (4.03)	425 (3.66)	419 (4.10)	399 (4.31)	371 (8.72)
TUN	150875	33.84	99822	409 (7.25)	385 (5.05)	382 (5.84)	380 (6.05)	346 (5.36)
URY	33775	3.82	32486	466 (4.05)	437 (4.94)	426 (7.13)	403 (9.82)	354 (6.73)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a database to produce a list of addresses.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (2.10)	527 (3.24)	509 (4.61)	512 (6.46)	430 (7.98)
AUT	85931	1.17	84927	522 (3.22)	497 (4.08)	482 (5.68)	474 (7.38)	407 (13.70)
BEL	111831	2.30	109260	546 (2.44)	542 (3.09)	525 (5.54)	505 (9.26)	403 (9.84)
CAN	330436	10.12	296990	542 (1.78)	533 (2.37)	519 (3.97)	535 (4.31)	490 (8.02)
CZE	121183	4.31	115964	538 (3.26)	518 (3.87)	494 (4.90)	504 (7.66)	438 (7.15)
DNK	51741	0.70	51378	522 (3.30)	517 (3.24)	503 (4.55)	509 (6.50)	449 (12.30)
FIN	57884	0.07	57845	553 (2.47)	541 (2.60)	526 (3.44)	543 (5.24)	514 (8.88)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.44)	508 (4.20)	485 (5.51)	474 (9.97)	430 (9.01)
GRC	105131	2.07	102960	465 (4.59)	438 (4.08)	440 (5.65)	419 (7.96)	373 (10.00)
HUN	107044	0.17	106867	511 (3.82)	489 (3.36)	473 (4.27)	472 (6.04)	392 (8.73)
ISL	3928	0.69	3901	522 (1.83)	512 (3.94)	489 (5.79)	493 (7.55)	409 (17.69)
IRL	54850	1.31	54133	513 (2.70)	502 (3.54)	499 (4.33)	490 (6.52)	436 (7.59)
ITA	481521	1.99	471943	480 (3.54)	471 (3.55)	462 (3.97)	461 (4.72)	402 (6.40)
JPN	1240054	1.42	1222475	560 (6.00)	543 (4.51)	533 (4.83)	500 (5.71)	508 (5.86)
KOR	533504	0.31	531834	555 (3.76)	541 (3.42)	531 (4.52)	528 (6.83)	479 (9.43)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.40)	399 (3.40)	379 (4.91)	365 (5.79)	324 (6.17)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	530 (2.35)	529 (3.99)	519 (5.95)	509 (10.01)	409 (14.86)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.39)	485 (3.56)	468 (5.43)	457 (9.06)	446 (7.12)
PRT	96857	0.82	96058	478 (3.38)	461 (4.26)	459 (4.83)	438 (9.40)	409 (7.69)
SVK	77067	3.71	74208	526 (3.16)	512 (3.38)	494 (3.76)	478 (5.13)	434 (6.49)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (3.10)	514 (3.09)	500 (4.34)	510 (6.07)	424 (13.65)
CHE	86491	0.48	86079	543 (3.90)	524 (4.19)	504 (4.28)	484 (7.70)	436 (7.21)
TUR	481279	13.78	414937	455 (10.84)	433 (7.96)	433 (8.84)	421 (7.02)	392 (6.20)
GBR	698579	91.67	58219	526 (2.49)	526 (4.55)	514 (7.83)	491 (14.68)	. (.)
USA	3147089	2.76	3060301	494 (2.64)	481 (4.67)	469 (6.78)	446 (9.35)	409 (8.21)
TOT	.	19.76	.	504 (1.22)	491 (1.69)	479 (2.60)	470 (2.78)	418 (3.73)
AVG	.	22.13	.	517 (0.70)	501 (0.95)	487 (1.31)	482 (1.94)	420 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (4.52)	484 (3.86)	475 (4.55)	453 (6.59)	442 (5.33)
LIE	338	0.30	337	547 (6.12)	524 (9.95)	520 (16.60)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	493 (4.42)	477 (4.93)	461 (5.81)	449 (7.21)	431 (5.55)
YUG	68596	1.90	67293	456 (4.06)	442 (4.37)	437 (4.41)	413 (7.39)	391 (5.60)
THA	637076	5.83	599963	438 (4.58)	421 (3.82)	413 (3.85)	399 (4.29)	368 (10.95)
TUN	150875	33.84	99822	399 (7.10)	372 (4.39)	370 (5.31)	358 (4.96)	335 (4.20)
URY	33775	3.82	32486	452 (3.91)	424 (4.43)	409 (6.13)	389 (7.16)	356 (5.39)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a database to produce a list of addresses.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.13)	525 (3.65)	505 (4.78)	505 (6.53)	429 (8.70)
AUT	85931	1.17	84927	509 (3.41)	483 (4.43)	463 (6.48)	449 (8.00)	400 (13.74)
BEL	111831	2.30	109260	525 (2.71)	520 (3.39)	509 (5.62)	484 (9.13)	384 (10.53)
CAN	330436	10.12	296990	527 (2.00)	522 (2.74)	510 (4.45)	527 (5.13)	475 (8.91)
CZE	121183	4.31	115964	543 (3.23)	526 (3.70)	500 (5.55)	513 (9.31)	447 (7.25)
DNK	51741	0.70	51378	486 (3.57)	478 (3.46)	462 (4.76)	469 (7.54)	380 (11.64)
FIN	57884	0.07	57845	557 (2.52)	548 (2.54)	528 (3.83)	546 (6.13)	505 (10.21)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	530 (3.70)	506 (4.33)	485 (5.63)	476 (10.99)	419 (9.85)
GRC	105131	2.07	102960	500 (4.53)	475 (3.89)	474 (5.39)	451 (9.36)	417 (12.84)
HUN	107044	0.17	106867	525 (3.92)	503 (3.17)	485 (4.39)	483 (6.16)	409 (10.69)
ISL	3928	0.69	3901	503 (1.87)	490 (4.40)	464 (7.11)	460 (7.74)	396 (18.82)
IRL	54850	1.31	54133	518 (2.93)	502 (4.17)	500 (4.58)	482 (8.21)	438 (7.85)
ITA	481521	1.99	471943	500 (3.92)	491 (4.10)	487 (4.53)	486 (5.27)	410 (8.03)
JPN	1240054	1.42	1222475	575 (5.76)	557 (4.65)	545 (5.00)	508 (6.41)	525 (6.40)
KOR	533504	0.31	531834	553 (4.05)	536 (3.87)	525 (5.30)	522 (7.71)	466 (10.64)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	439 (4.57)	415 (3.62)	400 (4.44)	390 (6.74)	354 (5.07)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	527 (2.56)	525 (4.21)	518 (6.83)	503 (11.47)	405 (16.48)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.95)	490 (3.81)	477 (6.23)	461 (10.83)	451 (7.33)
PRT	96857	0.82	96058	479 (3.47)	463 (4.66)	461 (5.52)	443 (9.61)	410 (7.71)
SVK	77067	3.71	74208	523 (3.41)	511 (3.78)	494 (4.30)	478 (5.49)	427 (7.01)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (3.29)	509 (3.75)	503 (5.24)	511 (7.64)	400 (14.56)
CHE	86491	0.48	86079	530 (4.15)	512 (4.45)	490 (4.93)	467 (9.60)	417 (8.25)
TUR	481279	13.78	414937	462 (9.74)	441 (6.87)	439 (8.41)	421 (7.21)	412 (5.26)
GBR	698579	91.67	58219	517 (2.93)	515 (5.88)	494 (8.22)	469 (16.04)	. (.)
USA	3147089	2.76	3060301	503 (2.78)	490 (4.55)	477 (7.69)	456 (9.57)	416 (9.89)
TOT	.	19.76	.	510 (1.29)	498 (1.67)	487 (2.74)	478 (2.83)	432 (3.60)
AVG	.	22.13	.	516 (0.68)	502 (0.94)	489 (1.33)	482 (2.06)	426 (2.31)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	507 (4.62)	491 (4.10)	479 (5.16)	460 (8.97)	439 (5.94)
LIE	338	0.30	337	535 (5.98)	513 (11.63)	518 (18.90)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	512 (4.24)	497 (5.37)	484 (6.60)	468 (7.09)	455 (6.42)
YUG	68596	1.90	67293	453 (3.95)	441 (4.08)	437 (4.70)	412 (6.95)	397 (5.53)
THA	637076	5.83	599963	449 (3.90)	433 (3.71)	425 (4.15)	408 (3.96)	393 (9.65)
TUN	150875	33.84	99822	418 (7.30)	397 (5.05)	396 (6.00)	388 (5.93)	356 (4.97)
URY	33775	3.82	32486	465 (3.49)	440 (4.04)	433 (6.12)	414 (8.90)	374 (5.53)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a database to produce a list of addresses.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.87)	531 (3.38)	511 (4.96)	518 (7.53)	436 (7.86)
AUT	85931	1.17	84927	522 (3.08)	500 (3.87)	481 (6.45)	468 (7.47)	412 (12.54)
BEL	111831	2.30	109260	540 (2.50)	537 (3.09)	524 (5.20)	506 (7.49)	411 (9.83)
CAN	330436	10.12	296990	538 (1.73)	534 (2.34)	518 (4.03)	533 (5.04)	483 (7.41)
CZE	121183	4.31	115964	538 (3.07)	519 (3.61)	494 (4.97)	498 (8.23)	439 (7.20)
DNK	51741	0.70	51378	525 (3.06)	518 (3.20)	507 (4.33)	510 (6.31)	446 (12.72)
FIN	57884	0.07	57845	557 (2.22)	546 (2.61)	528 (3.76)	543 (5.73)	508 (9.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	534 (3.40)	518 (4.20)	497 (5.44)	483 (9.61)	433 (9.20)
GRC	105131	2.07	102960	466 (4.94)	445 (3.95)	442 (5.67)	423 (8.21)	383 (10.10)
HUN	107044	0.17	106867	520 (3.75)	502 (3.10)	485 (4.75)	487 (5.88)	399 (9.70)
ISL	3928	0.69	3901	511 (1.89)	504 (4.00)	480 (5.76)	483 (7.76)	394 (17.06)
IRL	54850	1.31	54133	509 (2.48)	497 (3.62)	493 (4.02)	482 (6.22)	430 (7.30)
ITA	481521	1.99	471943	482 (3.67)	476 (3.72)	468 (3.81)	471 (5.51)	397 (8.22)
JPN	1240054	1.42	1222475	574 (5.87)	557 (4.31)	545 (5.47)	512 (6.10)	517 (6.11)
KOR	533504	0.31	531834	561 (3.36)	550 (3.38)	539 (4.86)	538 (6.66)	497 (8.05)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	426 (5.11)	400 (4.09)	376 (6.85)	361 (6.93)	318 (5.90)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.80	46791	540 (2.25)	537 (4.09)	526 (5.68)	514 (11.05)	426 (14.03)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	498 (2.76)	480 (3.86)	467 (5.69)	448 (9.72)	446 (7.23)
PRT	96857	0.82	96058	481 (3.86)	466 (5.15)	464 (5.43)	439 (10.44)	407 (9.48)
SVK	77067	3.71	74208	521 (3.09)	507 (3.30)	488 (3.98)	466 (5.94)	424 (6.00)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.83)	514 (3.29)	503 (4.07)	509 (6.34)	440 (14.02)
CHE	86491	0.48	86079	536 (3.41)	519 (3.92)	502 (4.30)	485 (7.39)	425 (8.57)
TUR	481279	13.78	414937	438 (9.63)	416 (6.80)	412 (8.28)	400 (7.18)	378 (5.80)
GBR	698579	91.67	58219	528 (2.73)	528 (4.79)	516 (7.61)	483 (15.26)	. (.)
USA	3147089	2.76	3060301	489 (2.87)	475 (4.77)	463 (7.67)	442 (10.04)	403 (8.86)
TOT	.	19.76	.	503 (1.33)	493 (1.75)	480 (2.80)	473 (3.01)	417 (3.81)
AVG	.	22.13	.	517 (0.69)	503 (0.97)	489 (1.33)	484 (1.99)	418 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (4.77)	484 (4.18)	474 (5.19)	452 (7.71)	437 (5.68)
LIE	338	0.30	337	539 (5.24)	523 (10.27)	518 (14.92)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	508 (4.51)	490 (5.37)	475 (5.82)	447 (7.90)	433 (6.42)
YUG	68596	1.90	67293	438 (3.64)	424 (3.98)	422 (4.42)	407 (6.95)	372 (5.75)
THA	637076	5.83	599963	447 (4.40)	429 (3.58)	423 (4.06)	403 (4.84)	376 (12.51)
TUN	150875	33.84	99822	379 (5.49)	357 (3.92)	354 (5.49)	354 (4.60)	318 (3.70)
URY	33775	3.82	32486	443 (4.34)	414 (4.33)	402 (6.91)	378 (6.94)	331 (5.23)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy a file from a floppy disk.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	86.74 (0.51)	7.47 (0.39)	2.73 (0.18)	0.70 (0.14)	2.37 (0.23)
AUT	85931	1.17	84927	86.26 (0.87)	7.80 (0.43)	3.42 (0.38)	1.13 (0.18)	1.38 (0.23)
BEL	111831	2.30	109260	74.79 (0.72)	13.88 (0.44)	4.79 (0.28)	1.30 (0.15)	5.24 (0.53)
CAN	330436	10.12	296990	84.80 (0.40)	8.93 (0.27)	3.52 (0.18)	0.69 (0.08)	2.06 (0.17)
CZE	121183	4.31	115964	74.11 (0.97)	12.48 (0.51)	6.46 (0.46)	1.04 (0.20)	5.91 (0.50)
DNK	51741	0.70	51378	80.32 (0.87)	10.47 (0.55)	4.61 (0.34)	1.64 (0.19)	2.97 (0.36)
FIN	57884	0.07	57845	70.69 (0.72)	17.56 (0.51)	7.43 (0.44)	1.79 (0.18)	2.52 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	74.22 (0.84)	12.24 (0.56)	7.23 (0.51)	1.66 (0.23)	4.64 (0.38)
GRC	105131	2.07	102960	53.75 (1.24)	22.78 (0.69)	15.80 (0.67)	4.36 (0.38)	3.31 (0.33)
HUN	107044	0.17	106867	70.21 (0.98)	16.79 (0.69)	7.37 (0.46)	2.67 (0.35)	2.96 (0.31)
ISL	3928	0.69	3901	75.69 (0.63)	14.09 (0.58)	6.48 (0.48)	2.57 (0.24)	1.17 (0.19)
IRL	54850	1.31	54133	65.34 (0.98)	17.05 (0.61)	10.77 (0.63)	2.72 (0.22)	4.12 (0.39)
ITA	481521	1.99	471943	70.97 (0.94)	14.48 (0.52)	7.41 (0.41)	2.07 (0.26)	5.07 (0.44)
JPN	1240054	1.42	1222475	39.21 (1.21)	25.90 (0.71)	13.27 (0.56)	7.85 (0.46)	13.76 (0.69)
KOR	533504	0.31	531834	76.91 (0.73)	14.51 (0.53)	3.53 (0.24)	2.43 (0.21)	2.61 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	51.62 (1.66)	20.80 (0.72)	7.99 (0.56)	3.81 (0.40)	15.77 (1.34)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	74.47 (0.85)	15.09 (0.62)	7.93 (0.47)	1.88 (0.22)	0.62 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	74.02 (1.17)	14.26 (0.68)	5.22 (0.39)	2.18 (0.25)	4.32 (0.41)
PRT	96857	0.82	96058	82.09 (0.96)	10.15 (0.63)	2.93 (0.29)	1.23 (0.15)	3.60 (0.37)
SVK	77067	3.71	74208	55.02 (1.36)	15.78 (0.64)	11.05 (0.53)	5.55 (0.35)	12.60 (0.89)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	78.60 (0.70)	12.19 (0.53)	4.79 (0.33)	1.86 (0.23)	2.56 (0.25)
CHE	86491	0.48	86079	74.35 (0.90)	15.00 (0.66)	6.01 (0.39)	2.30 (0.26)	2.34 (0.24)
TUR	481279	13.78	414937	47.26 (1.91)	19.91 (1.06)	6.69 (0.56)	5.17 (0.41)	20.97 (1.42)
GBR	698579	91.67	58219	75.73 (0.96)	15.67 (0.80)	6.06 (0.52)	1.94 (0.24)	0.60 (.)
USA	3147089	2.76	3060301	82.16 (0.65)	10.08 (0.45)	3.37 (0.28)	1.29 (0.17)	3.10 (0.23)
TOT	.	19.76	.	69.37 (0.40)	14.83 (0.20)	6.27 (0.14)	2.79 (0.09)	6.74 (0.18)
AVG	.	22.13	.	71.19 (0.22)	14.54 (0.12)	6.69 (0.09)	2.48 (0.06)	5.10 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	58.39 (1.42)	20.23 (1.14)	12.14 (0.68)	3.20 (0.38)	6.03 (0.57)
LIE	338	0.30	337	86.32 (1.71)	8.50 (.)	2.74 (.)	0.92 (.)	1.52 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	46.86 (1.71)	18.52 (0.65)	14.03 (0.66)	7.89 (0.64)	12.71 (1.07)
YUG	68596	1.90	67293	44.11 (1.50)	21.80 (0.80)	13.19 (0.72)	5.59 (0.45)	15.31 (1.12)
THA	637076	5.83	599963	44.81 (1.53)	34.47 (1.13)	10.94 (0.62)	8.49 (0.80)	1.29 (0.26)
TUN	150875	33.84	99822	29.85 (1.55)	19.79 (0.86)	11.40 (0.71)	12.74 (0.98)	26.22 (1.32)
URY	33775	3.82	32486	66.78 (1.17)	12.57 (0.87)	5.95 (0.47)	2.79 (0.31)	11.91 (0.97)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy a file from a floppy disk.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (1.97)	500 (4.51)	476 (7.96)	440 (16.79)	405 (9.23)
AUT	85931	1.17	84927	503 (3.09)	442 (8.34)	431 (14.61)	412 (14.25)	381 (14.18)
BEL	111831	2.30	109260	527 (2.45)	498 (4.74)	482 (8.24)	387 (17.36)	373 (12.48)
CAN	330436	10.12	296990	536 (1.53)	519 (4.02)	517 (5.26)	456 (13.22)	473 (7.13)
CZE	121183	4.31	115964	506 (2.70)	487 (4.61)	475 (6.88)	429 (13.09)	423 (8.96)
DNK	51741	0.70	51378	498 (2.72)	485 (5.49)	483 (7.86)	467 (11.09)	406 (14.33)
FIN	57884	0.07	57845	544 (1.87)	550 (3.07)	540 (4.38)	509 (12.47)	509 (10.39)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (3.37)	492 (5.64)	488 (8.48)	433 (15.29)	403 (10.16)
GRC	105131	2.07	102960	489 (4.38)	465 (5.11)	462 (5.32)	418 (8.40)	393 (13.78)
HUN	107044	0.17	106867	496 (2.55)	463 (4.63)	457 (5.43)	415 (9.73)	384 (13.21)
ISL	3928	0.69	3901	494 (1.92)	503 (4.30)	495 (7.88)	459 (10.57)	329 (18.54)
IRL	54850	1.31	54133	524 (2.81)	515 (3.94)	506 (4.96)	455 (11.76)	442 (7.98)
ITA	481521	1.99	471943	490 (2.39)	463 (5.66)	460 (6.55)	405 (14.51)	397 (9.31)
JPN	1240054	1.42	1222475	522 (4.91)	506 (4.36)	493 (5.83)	434 (8.83)	462 (6.40)
KOR	533504	0.31	531834	544 (3.00)	513 (4.23)	498 (7.56)	476 (9.63)	457 (10.81)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (4.13)	395 (4.07)	388 (5.13)	363 (8.84)	329 (6.46)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	530 (2.59)	521 (6.06)	512 (6.60)	468 (11.08)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	511 (2.53)	467 (5.04)	468 (7.22)	433 (11.00)	441 (8.45)
PRT	96857	0.82	96058	490 (3.27)	432 (7.62)	427 (10.83)	373 (12.60)	416 (9.25)
SVK	77067	3.71	74208	496 (2.67)	469 (4.19)	463 (4.59)	423 (7.01)	406 (5.64)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	518 (2.46)	526 (4.42)	501 (7.27)	489 (12.84)	404 (16.14)
CHE	86491	0.48	86079	509 (3.48)	484 (4.82)	472 (9.68)	440 (11.22)	412 (9.69)
TUR	481279	13.78	414937	466 (8.07)	435 (7.26)	436 (8.98)	409 (9.03)	418 (5.74)
GBR	698579	91.67	58219	524 (2.89)	498 (4.97)	493 (7.19)	461 (12.27)	. (.)
USA	3147089	2.76	3060301	507 (2.90)	478 (5.61)	449 (8.87)	399 (13.96)	425 (9.54)
TOT	.	19.76	.	507 (1.30)	474 (1.93)	465 (3.21)	419 (4.40)	410 (3.59)
AVG	.	22.13	.	510 (0.69)	483 (1.26)	476 (1.72)	431 (2.51)	410 (2.44)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (4.14)	487 (4.86)	484 (4.78)	419 (11.42)	451 (6.71)
LIE	338	0.30	337	531 (4.01)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	467 (3.91)	439 (5.82)	438 (5.75)	411 (7.28)	402 (6.36)
YUG	68596	1.90	67293	432 (4.00)	413 (4.49)	416 (4.57)	384 (5.76)	367 (5.70)
THA	637076	5.83	599963	443 (4.05)	411 (3.30)	405 (4.89)	389 (5.25)	363 (9.23)
TUN	150875	33.84	99822	412 (7.24)	382 (5.94)	377 (7.39)	375 (5.65)	345 (5.17)
URY	33775	3.82	32486	461 (3.31)	413 (6.86)	400 (10.78)	374 (11.72)	355 (7.37)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy a file from a floppy disk.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.05)	491 (4.36)	462 (7.48)	440 (12.59)	429 (8.05)
AUT	85931	1.17	84927	517 (2.88)	455 (6.65)	453 (9.90)	434 (14.60)	404 (14.85)
BEL	111831	2.30	109260	551 (2.30)	511 (4.09)	495 (6.91)	417 (15.17)	405 (10.05)
CAN	330436	10.12	296990	542 (1.58)	511 (3.85)	507 (5.06)	466 (11.21)	481 (7.15)
CZE	121183	4.31	115964	539 (3.18)	494 (4.43)	483 (6.43)	438 (13.37)	439 (7.11)
DNK	51741	0.70	51378	524 (2.72)	492 (5.16)	475 (6.48)	466 (11.36)	441 (12.61)
FIN	57884	0.07	57845	551 (2.13)	535 (2.88)	525 (4.12)	501 (10.14)	517 (8.96)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.34)	487 (4.83)	477 (7.44)	431 (12.55)	431 (8.65)
GRC	105131	2.07	102960	467 (4.19)	431 (5.15)	428 (4.30)	392 (7.66)	373 (8.48)
HUN	107044	0.17	106867	510 (3.03)	458 (4.11)	451 (5.06)	400 (9.39)	386 (9.39)
ISL	3928	0.69	3901	521 (1.71)	513 (3.81)	496 (6.24)	473 (8.88)	402 (18.25)
IRL	54850	1.31	54133	511 (2.65)	501 (3.63)	491 (4.52)	452 (9.52)	438 (7.06)
ITA	481521	1.99	471943	483 (2.60)	441 (5.06)	434 (5.66)	395 (12.38)	396 (7.27)
JPN	1240054	1.42	1222475	557 (5.68)	537 (4.21)	530 (5.05)	476 (7.51)	508 (6.09)
KOR	533504	0.31	531834	557 (3.34)	504 (4.25)	486 (5.95)	475 (9.44)	479 (9.52)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	426 (3.82)	377 (3.46)	365 (5.47)	345 (7.00)	324 (6.03)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	534 (2.33)	514 (5.00)	507 (5.97)	464 (11.02)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.22)	455 (4.29)	444 (5.63)	427 (8.04)	445 (7.90)
PRT	96857	0.82	96058	479 (2.94)	414 (6.81)	412 (9.99)	363 (9.81)	406 (8.14)
SVK	77067	3.71	74208	532 (2.88)	486 (3.46)	481 (3.91)	439 (6.07)	435 (6.40)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.76)	507 (4.10)	473 (7.29)	460 (11.70)	417 (13.51)
CHE	86491	0.48	86079	542 (3.82)	497 (4.84)	478 (7.99)	438 (10.84)	433 (8.16)
TUR	481279	13.78	414937	458 (10.06)	412 (7.19)	418 (9.89)	402 (9.03)	395 (6.20)
GBR	698579	91.67	58219	533 (2.48)	503 (5.01)	496 (6.05)	464 (11.60)	. (.)
USA	3147089	2.76	3060301	494 (2.71)	464 (5.12)	437 (7.92)	392 (12.72)	407 (8.67)
TOT	.	19.76	.	506 (1.20)	471 (1.98)	464 (3.23)	428 (3.72)	418 (3.71)
AVG	.	22.13	.	518 (0.68)	478 (1.28)	470 (1.58)	433 (2.21)	420 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (4.35)	469 (4.53)	462 (4.50)	414 (8.01)	440 (5.52)
LIE	338	0.30	337	542 (4.60)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	499 (4.56)	459 (5.59)	455 (5.39)	432 (7.35)	430 (5.49)
YUG	68596	1.90	67293	462 (4.23)	429 (4.25)	436 (4.71)	407 (5.83)	392 (5.53)
THA	637076	5.83	599963	443 (4.24)	406 (3.21)	395 (4.30)	391 (6.13)	361 (12.24)
TUN	150875	33.84	99822	405 (7.20)	366 (4.89)	364 (5.42)	351 (4.64)	334 (4.06)
URY	33775	3.82	32486	447 (3.45)	403 (5.98)	389 (6.55)	371 (12.11)	355 (5.52)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy a file from a floppy disk.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (2.02)	491 (4.52)	459 (8.03)	438 (18.11)	427 (8.84)
AUT	85931	1.17	84927	503 (2.91)	438 (7.27)	427 (13.61)	408 (14.00)	394 (13.90)
BEL	111831	2.30	109260	528 (2.52)	493 (4.36)	481 (8.17)	398 (14.67)	386 (10.63)
CAN	330436	10.12	296990	528 (1.80)	500 (4.02)	502 (5.30)	449 (12.80)	465 (8.24)
CZE	121183	4.31	115964	544 (3.03)	501 (4.79)	489 (6.24)	438 (12.86)	448 (7.08)
DNK	51741	0.70	51378	486 (3.00)	453 (6.10)	435 (8.30)	421 (12.23)	376 (13.73)
FIN	57884	0.07	57845	555 (2.26)	541 (3.15)	528 (5.10)	499 (10.86)	506 (10.58)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	526 (3.51)	486 (5.55)	480 (8.54)	427 (16.94)	421 (9.47)
GRC	105131	2.07	102960	502 (4.17)	467 (5.17)	463 (4.99)	425 (7.69)	419 (11.89)
HUN	107044	0.17	106867	523 (2.98)	473 (4.47)	463 (5.87)	416 (9.19)	400 (11.89)
ISL	3928	0.69	3901	502 (1.76)	487 (4.87)	471 (7.39)	440 (9.13)	393 (17.36)
IRL	54850	1.31	54133	515 (3.02)	502 (4.60)	490 (4.76)	441 (10.92)	439 (8.30)
ITA	481521	1.99	471943	505 (2.63)	464 (5.64)	454 (7.26)	412 (13.44)	404 (8.33)
JPN	1240054	1.42	1222475	572 (5.70)	551 (4.42)	538 (5.87)	480 (8.55)	524 (6.52)
KOR	533504	0.31	531834	554 (3.59)	499 (4.47)	481 (8.18)	460 (11.96)	466 (10.55)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	441 (3.84)	394 (4.35)	391 (4.50)	371 (6.82)	354 (4.89)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	532 (2.55)	512 (5.31)	501 (6.57)	457 (11.20)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	516 (2.66)	457 (5.18)	449 (7.02)	426 (11.82)	450 (7.82)
PRT	96857	0.82	96058	481 (3.02)	416 (7.60)	414 (10.45)	360 (12.27)	407 (8.15)
SVK	77067	3.71	74208	529 (3.00)	487 (4.09)	479 (4.75)	445 (6.51)	428 (6.90)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.91)	506 (4.45)	479 (8.25)	463 (16.66)	395 (14.60)
CHE	86491	0.48	86079	529 (3.94)	483 (5.44)	463 (10.37)	422 (12.21)	414 (9.89)
TUR	481279	13.78	414937	463 (8.84)	424 (6.91)	428 (8.63)	402 (8.43)	414 (5.24)
GBR	698579	91.67	58219	526 (3.03)	482 (5.54)	478 (8.29)	444 (13.65)	. (.)
USA	3147089	2.76	3060301	503 (2.90)	470 (5.49)	444 (8.43)	410 (13.44)	413 (10.31)
TOT	.	19.76	.	512 (1.30)	479 (1.95)	472 (3.23)	435 (3.82)	432 (3.55)
AVG	.	22.13	.	517 (0.68)	481 (1.19)	473 (1.55)	434 (2.27)	425 (2.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	509 (4.38)	473 (4.61)	469 (5.66)	419 (9.63)	439 (6.34)
LIE	338	0.30	337	532 (5.02)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	519 (4.37)	478 (5.98)	478 (5.67)	453 (7.08)	453 (6.45)
YUG	68596	1.90	67293	460 (3.94)	431 (4.03)	433 (4.10)	400 (5.47)	397 (5.58)
THA	637076	5.83	599963	456 (3.83)	417 (3.21)	408 (3.92)	400 (5.02)	390 (11.71)
TUN	150875	33.84	99822	424 (7.55)	392 (5.00)	386 (6.47)	385 (5.63)	356 (5.08)
URY	33775	3.82	32486	460 (3.03)	423 (6.26)	410 (8.97)	392 (10.12)	375 (5.58)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy a file from a floppy disk.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (1.82)	496 (4.62)	468 (7.76)	442 (13.74)	434 (7.97)
AUT	85931	1.17	84927	517 (2.74)	458 (6.35)	453 (11.57)	424 (14.91)	404 (14.77)
BEL	111831	2.30	109260	545 (2.25)	508 (3.74)	494 (6.68)	421 (12.77)	413 (10.06)
CAN	330436	10.12	296990	539 (1.54)	513 (4.03)	509 (4.98)	454 (10.95)	471 (7.70)
CZE	121183	4.31	115964	539 (2.89)	496 (4.30)	482 (6.40)	427 (12.64)	440 (7.29)
DNK	51741	0.70	51378	526 (2.50)	494 (4.87)	485 (6.74)	463 (12.61)	440 (13.13)
FIN	57884	0.07	57845	554 (2.09)	542 (2.90)	527 (4.21)	500 (9.79)	510 (9.14)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	533 (3.29)	498 (4.70)	490 (7.05)	441 (13.19)	432 (9.00)
GRC	105131	2.07	102960	469 (4.60)	435 (4.82)	433 (4.33)	397 (8.95)	385 (9.54)
HUN	107044	0.17	106867	520 (2.92)	472 (4.62)	464 (5.69)	411 (9.99)	392 (10.38)
ISL	3928	0.69	3901	509 (1.59)	507 (4.18)	493 (7.39)	465 (10.32)	387 (17.46)
IRL	54850	1.31	54133	508 (2.51)	496 (3.55)	485 (4.39)	444 (10.10)	433 (6.79)
ITA	481521	1.99	471943	488 (2.59)	446 (5.47)	442 (5.59)	393 (13.59)	391 (9.06)
JPN	1240054	1.42	1222475	570 (5.45)	552 (4.16)	542 (5.77)	486 (8.17)	517 (6.40)
KOR	533504	0.31	531834	563 (3.10)	519 (4.22)	501 (7.22)	488 (9.70)	497 (8.06)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (4.54)	377 (4.41)	361 (7.21)	339 (8.88)	318 (6.10)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	544 (2.28)	525 (5.57)	514 (5.77)	469 (10.26)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (2.45)	448 (4.45)	442 (5.58)	416 (9.32)	445 (7.86)
PRT	96857	0.82	96058	483 (3.34)	419 (7.94)	416 (12.07)	364 (11.51)	403 (10.30)
SVK	77067	3.71	74208	526 (2.83)	484 (3.35)	475 (3.62)	431 (7.86)	424 (5.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.40)	511 (4.24)	479 (6.87)	461 (10.83)	435 (13.39)
CHE	86491	0.48	86079	535 (3.42)	498 (4.81)	484 (7.69)	440 (11.22)	420 (8.77)
TUR	481279	13.78	414937	439 (8.66)	397 (6.53)	402 (9.24)	379 (8.97)	380 (5.97)
GBR	698579	91.67	58219	535 (2.58)	505 (5.06)	498 (6.08)	469 (12.31)	. (.)
USA	3147089	2.76	3060301	489 (2.91)	458 (5.41)	430 (9.26)	387 (14.09)	401 (9.37)
TOT	.	19.76	.	506 (1.29)	474 (2.08)	467 (3.32)	429 (4.08)	417 (3.82)
AVG	.	22.13	.	518 (0.67)	481 (1.28)	472 (1.69)	432 (2.24)	417 (2.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (4.55)	469 (4.65)	461 (5.12)	405 (11.22)	437 (6.24)
LIE	338	0.30	337	536 (4.43)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	515 (4.78)	469 (5.79)	465 (6.22)	432 (7.50)	432 (6.10)
YUG	68596	1.90	67293	443 (3.80)	415 (4.12)	421 (4.69)	400 (5.39)	373 (5.80)
THA	637076	5.83	599963	451 (3.85)	415 (3.03)	406 (4.44)	394 (6.49)	368 (13.75)
TUN	150875	33.84	99822	383 (5.86)	355 (4.51)	350 (4.89)	346 (4.34)	317 (3.46)
URY	33775	3.82	32486	438 (3.75)	389 (6.47)	381 (7.68)	351 (12.61)	329 (5.45)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Save a computer document or file.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	94.19 (0.28)	2.36 (0.16)	0.77 (0.12)	0.28 (0.05)	2.41 (0.24)
AUT	85931	1.17	84927	93.52 (0.77)	3.38 (0.39)	1.19 (0.30)	0.76 (.)	1.16 (0.24)
BEL	111831	2.30	109260	85.93 (0.65)	5.93 (0.34)	1.85 (0.18)	1.14 (0.15)	5.15 (0.52)
CAN	330436	10.12	296990	94.62 (0.27)	2.48 (0.15)	0.67 (0.08)	0.24 (0.04)	2.00 (0.16)
CZE	121183	4.35	115916	86.22 (0.79)	5.60 (0.40)	1.79 (0.21)	0.59 (.)	5.80 (0.49)
DNK	51741	0.70	51378	93.69 (0.50)	2.45 (0.30)	0.84 (0.13)	0.33 (.)	2.69 (0.34)
FIN	57884	0.07	57845	89.15 (0.55)	5.55 (0.34)	1.97 (0.17)	0.83 (0.14)	2.51 (0.25)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	82.43 (0.85)	8.24 (0.48)	3.49 (0.26)	1.23 (0.20)	4.60 (0.41)
GRC	105131	2.07	102960	72.20 (1.23)	15.59 (0.80)	6.71 (0.41)	2.47 (0.23)	3.03 (0.30)
HUN	107044	0.17	106867	83.81 (0.71)	9.34 (0.51)	2.31 (0.22)	1.30 (0.20)	3.24 (0.34)
ISL	3928	0.69	3901	93.12 (0.42)	3.61 (0.35)	1.36 (0.20)	0.84 (.)	1.08 (0.18)
IRL	54850	1.31	54133	87.53 (0.66)	5.41 (0.37)	2.15 (0.23)	1.01 (0.16)	3.90 (0.36)
ITA	481521	1.99	471943	80.53 (0.84)	9.81 (0.54)	3.10 (0.27)	1.60 (0.19)	4.95 (0.43)
JPN	1240054	1.42	1222475	64.50 (1.16)	14.08 (0.66)	4.28 (0.33)	3.60 (0.35)	13.54 (0.70)
KOR	533504	0.31	531834	93.65 (0.40)	2.59 (0.23)	0.70 (0.12)	0.49 (.)	2.57 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	62.19 (1.73)	14.84 (0.74)	4.82 (0.44)	2.80 (0.33)	15.34 (1.36)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	94.00 (0.44)	3.71 (0.34)	1.09 (0.16)	0.55 (.)	0.65 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	78.91 (0.93)	11.49 (0.59)	3.55 (0.30)	1.75 (0.23)	4.29 (0.40)
PRT	96857	0.82	96058	87.20 (0.77)	6.49 (0.49)	1.97 (0.21)	0.79 (0.12)	3.54 (0.36)
SVK	77067	3.71	74208	66.81 (1.25)	11.88 (0.51)	5.25 (0.29)	3.40 (0.34)	12.66 (0.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	92.23 (0.52)	3.62 (0.31)	0.92 (0.16)	0.59 (.)	2.65 (0.25)
CHE	86491	0.48	86079	86.25 (0.57)	7.38 (0.46)	2.68 (0.25)	1.24 (0.24)	2.46 (0.24)
TUR	481279	13.78	414937	47.22 (2.01)	18.51 (0.86)	7.07 (0.51)	5.58 (0.46)	21.62 (1.47)
GBR	698579	91.67	58219	94.94 (0.41)	2.92 (0.32)	0.96 (.)	0.54 (.)	0.64 (.)
USA	3147089	2.76	3060301	91.28 (0.43)	3.86 (0.30)	1.19 (0.17)	0.41 (.)	3.26 (0.21)
TOT	.	19.76	.	80.91 (0.33)	8.12 (0.20)	2.69 (0.09)	1.55 (0.07)	6.73 (0.17)
AVG	.	22.13	.	83.70 (0.20)	7.32 (0.12)	2.53 (0.05)	1.38 (0.04)	5.06 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	70.67 (1.19)	14.44 (0.78)	6.49 (0.61)	2.05 (0.35)	6.35 (0.57)
LIE	338	0.30	337	91.50 (1.68)	3.92 (.)	2.43 (.)	0.92 (.)	1.22 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	63.60 (1.82)	13.29 (0.70)	6.34 (0.41)	4.22 (0.51)	12.55 (1.11)
YUG	68596	1.90	67293	59.59 (1.54)	14.65 (0.72)	6.47 (0.41)	4.20 (0.39)	15.09 (1.13)
THA	637076	5.83	599963	59.53 (1.44)	26.27 (1.01)	7.38 (0.56)	5.56 (0.61)	1.27 (0.24)
TUN	150875	33.84	99822	29.94 (1.57)	21.07 (0.78)	10.99 (0.68)	10.55 (0.72)	27.46 (1.37)
URY	33775	3.82	32486	74.06 (1.00)	9.27 (0.54)	3.14 (0.36)	1.93 (0.28)	11.61 (0.99)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Save a computer document or file.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.84)	422 (6.71)	416 (16.68)	400 (18.04)	405 (9.13)
AUT	85931	1.17	84927	501 (2.99)	392 (10.55)	352 (20.51)	. (.)	367 (14.39)
BEL	111831	2.30	109260	528 (2.23)	438 (8.70)	429 (11.64)	362 (17.52)	373 (12.83)
CAN	330436	10.12	296990	536 (1.48)	467 (5.57)	427 (10.12)	401 (17.85)	477 (8.09)
CZE	121183	4.35	115916	506 (2.71)	446 (6.84)	429 (10.40)	. (.)	422 (9.18)
DNK	51741	0.70	51378	498 (2.52)	428 (11.15)	411 (20.71)	. (.)	404 (15.57)
FIN	57884	0.07	57845	549 (1.55)	506 (6.47)	495 (10.37)	464 (16.92)	507 (10.42)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	513 (3.17)	466 (7.08)	454 (11.08)	424 (17.65)	401 (10.45)
GRC	105131	2.07	102960	489 (4.43)	441 (5.39)	438 (5.75)	407 (11.10)	389 (14.83)
HUN	107044	0.17	106867	494 (2.44)	437 (4.83)	404 (12.71)	408 (11.70)	390 (12.66)
ISL	3928	0.69	3901	499 (1.59)	427 (11.25)	413 (12.80)	. (.)	331 (18.77)
IRL	54850	1.31	54133	524 (2.53)	466 (6.94)	470 (11.88)	446 (14.82)	440 (7.87)
ITA	481521	1.99	471943	492 (2.37)	433 (7.31)	430 (9.46)	388 (14.91)	396 (9.25)
JPN	1240054	1.42	1222475	520 (3.95)	482 (5.86)	453 (8.97)	398 (13.31)	460 (6.24)
KOR	533504	0.31	531834	540 (2.90)	467 (9.23)	433 (21.60)	. (.)	460 (11.15)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	439 (3.94)	383 (4.28)	370 (6.75)	351 (9.38)	328 (6.49)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	532 (2.25)	424 (8.96)	427 (15.15)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	511 (2.60)	459 (5.43)	436 (7.94)	427 (13.20)	446 (7.93)
PRT	96857	0.82	96058	489 (3.31)	409 (7.49)	392 (11.04)	398 (17.85)	416 (9.10)
SVK	77067	3.71	74208	496 (2.47)	450 (5.08)	440 (6.27)	396 (8.30)	404 (5.65)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	521 (2.27)	476 (9.70)	431 (15.88)	. (.)	400 (15.61)
CHE	86491	0.48	86079	509 (3.28)	452 (6.87)	449 (9.13)	407 (14.86)	410 (10.73)
TUR	481279	13.78	414937	474 (8.30)	424 (6.65)	429 (8.45)	401 (8.67)	417 (5.58)
GBR	698579	91.67	58219	521 (2.56)	434 (10.39)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	507 (2.79)	403 (6.81)	383 (13.37)	. (.)	423 (9.31)
TOT	.	19.76	.	507 (1.25)	436 (2.67)	421 (3.62)	392 (5.35)	409 (3.65)
AVG	.	22.13	.	511 (0.66)	441 (1.82)	429 (2.32)	401 (3.48)	409 (2.48)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	505 (3.72)	471 (5.75)	455 (10.03)	404 (15.68)	449 (6.37)
LIE	338	0.30	337	530 (3.85)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	464 (3.64)	421 (7.37)	416 (6.23)	392 (10.15)	404 (6.17)
YUG	68596	1.90	67293	432 (3.61)	395 (4.24)	403 (5.98)	380 (6.92)	368 (6.00)
THA	637076	5.83	599963	439 (3.77)	405 (3.09)	393 (5.01)	382 (6.62)	368 (9.76)
TUN	150875	33.84	99822	415 (7.19)	380 (4.68)	376 (6.93)	373 (5.85)	345 (5.53)
URY	33775	3.82	32486	458 (3.27)	394 (9.17)	394 (11.17)	378 (16.08)	352 (7.29)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Save a computer document or file.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.99)	431 (5.80)	418 (10.91)	429 (14.39)	428 (7.64)
AUT	85931	1.17	84927	514 (2.79)	434 (7.65)	402 (12.48)	. (.)	390 (16.00)
BEL	111831	2.30	109260	550 (2.10)	457 (7.02)	446 (10.40)	397 (14.93)	405 (10.26)
CAN	330436	10.12	296990	540 (1.53)	471 (4.85)	434 (11.83)	418 (13.85)	482 (7.83)
CZE	121183	4.35	115916	534 (3.15)	458 (6.96)	442 (10.77)	. (.)	439 (7.44)
DNK	51741	0.70	51378	520 (2.56)	443 (12.05)	421 (22.72)	. (.)	440 (13.26)
FIN	57884	0.07	57845	550 (1.82)	497 (5.94)	482 (7.57)	456 (12.06)	517 (8.96)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.09)	464 (5.29)	455 (10.18)	417 (12.42)	431 (8.91)
GRC	105131	2.07	102960	463 (3.98)	410 (5.32)	406 (4.75)	390 (9.69)	371 (9.81)
HUN	107044	0.17	106867	504 (2.85)	438 (4.79)	401 (8.61)	394 (9.71)	391 (8.72)
ISL	3928	0.69	3901	521 (1.49)	449 (8.90)	434 (10.86)	. (.)	403 (18.63)
IRL	54850	1.31	54133	510 (2.38)	465 (6.69)	461 (9.89)	445 (13.34)	437 (7.05)
ITA	481521	1.99	471943	481 (2.61)	420 (6.41)	416 (8.17)	387 (11.88)	395 (7.54)
JPN	1240054	1.42	1222475	552 (4.35)	517 (5.99)	498 (7.97)	451 (11.66)	507 (5.83)
KOR	533504	0.31	531834	548 (3.16)	459 (8.91)	437 (18.10)	. (.)	482 (9.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	421 (3.59)	363 (3.86)	354 (5.90)	336 (7.96)	322 (6.18)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	533 (2.16)	440 (8.31)	446 (13.34)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.30)	447 (4.20)	428 (7.45)	422 (9.67)	447 (6.90)
PRT	96857	0.82	96058	477 (2.94)	393 (6.65)	388 (10.04)	382 (13.86)	405 (7.97)
SVK	77067	3.71	74208	527 (2.77)	470 (4.62)	460 (5.67)	423 (7.38)	434 (6.38)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.55)	449 (7.05)	420 (12.79)	. (.)	414 (13.19)
CHE	86491	0.48	86079	538 (3.42)	470 (6.94)	464 (9.18)	422 (11.15)	433 (9.45)
TUR	481279	13.78	414937	463 (10.03)	406 (6.86)	413 (10.01)	394 (8.03)	393 (6.25)
GBR	698579	91.67	58219	528 (2.29)	446 (9.93)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	493 (2.62)	401 (5.90)	389 (10.93)	. (.)	405 (8.71)
TOT	.	19.76	.	505 (1.12)	436 (2.90)	425 (3.56)	405 (4.58)	417 (3.79)
AVG	.	22.13	.	516 (0.64)	440 (1.76)	429 (2.07)	409 (2.65)	419 (2.46)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (3.91)	456 (5.97)	441 (8.24)	410 (13.26)	436 (5.94)
LIE	338	0.30	337	541 (4.58)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	493 (4.15)	441 (6.61)	433 (5.93)	421 (7.84)	431 (5.45)
YUG	68596	1.90	67293	459 (3.83)	413 (4.21)	425 (5.38)	399 (6.45)	393 (5.75)
THA	637076	5.83	599963	437 (3.77)	400 (3.83)	387 (5.10)	383 (6.16)	367 (12.49)
TUN	150875	33.84	99822	408 (7.32)	363 (4.11)	366 (6.13)	348 (5.15)	334 (4.26)
URY	33775	3.82	32486	443 (3.42)	389 (6.96)	378 (7.07)	368 (10.77)	354 (5.79)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Save a computer document or file.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.90)	417 (7.06)	422 (18.51)	395 (17.52)	428 (8.68)
AUT	85931	1.17	84927	500 (2.85)	396 (8.98)	364 (15.23)	. (.)	384 (14.65)
BEL	111831	2.30	109260	528 (2.31)	441 (7.19)	434 (11.63)	378 (13.44)	387 (10.97)
CAN	330436	10.12	296990	527 (1.75)	453 (5.95)	413 (10.15)	401 (18.71)	468 (9.41)
CZE	121183	4.35	115916	540 (2.97)	462 (7.23)	451 (11.07)	. (.)	448 (7.36)
DNK	51741	0.70	51378	482 (2.72)	394 (11.06)	372 (18.50)	. (.)	373 (14.47)
FIN	57884	0.07	57845	555 (1.86)	497 (6.83)	484 (9.86)	458 (15.50)	507 (10.34)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	526 (3.24)	461 (6.76)	452 (12.01)	407 (18.01)	420 (9.71)
GRC	105131	2.07	102960	498 (3.95)	447 (5.30)	441 (5.21)	416 (11.89)	415 (12.71)
HUN	107044	0.17	106867	518 (2.82)	446 (4.61)	417 (11.87)	410 (11.21)	402 (11.86)
ISL	3928	0.69	3901	502 (1.55)	420 (11.64)	396 (15.49)	. (.)	397 (18.40)
IRL	54850	1.31	54133	513 (2.62)	456 (7.92)	451 (12.62)	426 (14.17)	439 (7.79)
ITA	481521	1.99	471943	504 (2.58)	435 (7.06)	439 (9.02)	402 (13.07)	400 (9.39)
JPN	1240054	1.42	1222475	567 (4.57)	530 (5.93)	500 (9.27)	448 (13.72)	523 (6.35)
KOR	533504	0.31	531834	545 (3.42)	447 (10.54)	419 (21.04)	. (.)	469 (10.40)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (3.60)	386 (4.09)	380 (5.95)	362 (8.73)	352 (5.16)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	530 (2.36)	432 (8.92)	438 (13.19)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	514 (2.67)	447 (5.25)	427 (7.72)	425 (13.23)	453 (7.15)
PRT	96857	0.82	96058	479 (3.06)	396 (6.59)	387 (10.36)	372 (16.35)	405 (7.83)
SVK	77067	3.71	74208	525 (2.83)	470 (5.00)	461 (6.57)	426 (8.81)	426 (6.63)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.81)	457 (10.24)	411 (15.71)	. (.)	391 (14.13)
CHE	86491	0.48	86079	525 (3.63)	453 (7.69)	444 (9.26)	384 (16.44)	414 (11.35)
TUR	481279	13.78	414937	469 (8.90)	416 (5.94)	416 (8.01)	398 (7.97)	412 (5.40)
GBR	698579	91.67	58219	519 (2.79)	424 (12.50)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	502 (2.75)	404 (7.04)	389 (11.58)	. (.)	411 (9.46)
TOT	.	19.76	.	512 (1.22)	445 (2.77)	431 (3.77)	409 (4.93)	430 (3.64)
AVG	.	22.13	.	515 (0.63)	444 (1.75)	433 (2.15)	409 (2.95)	424 (2.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	506 (4.05)	462 (6.22)	446 (8.30)	403 (13.31)	438 (6.14)
LIE	338	0.30	337	529 (4.57)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (4.06)	462 (6.83)	456 (7.53)	434 (9.66)	455 (6.67)
YUG	68596	1.90	67293	457 (3.60)	416 (4.02)	422 (6.58)	398 (6.64)	398 (5.76)
THA	637076	5.83	599963	449 (3.56)	410 (3.40)	401 (5.59)	394 (6.04)	397 (12.19)
TUN	150875	33.84	99822	427 (6.88)	388 (4.41)	390 (5.96)	379 (5.40)	357 (4.88)
URY	33775	3.82	32486	458 (3.03)	414 (6.55)	405 (10.29)	387 (14.83)	372 (5.98)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Save a computer document or file.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.76)	431 (6.38)	419 (13.00)	417 (15.41)	435 (7.75)
AUT	85931	1.17	84927	514 (2.71)	434 (8.68)	397 (13.83)	. (.)	391 (15.12)
BEL	111831	2.30	109260	544 (2.05)	458 (5.90)	448 (9.99)	402 (11.72)	413 (10.39)
CAN	330436	10.12	296990	538 (1.47)	469 (4.99)	431 (11.43)	411 (14.70)	473 (8.63)
CZE	121183	4.35	115916	535 (2.94)	459 (5.98)	438 (10.57)	. (.)	441 (7.74)
DNK	51741	0.70	51378	523 (2.30)	440 (10.22)	419 (23.07)	. (.)	438 (14.62)
FIN	57884	0.07	57845	554 (1.81)	499 (5.87)	488 (8.00)	457 (12.82)	510 (9.09)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	532 (3.11)	478 (5.17)	461 (9.22)	428 (12.59)	432 (9.05)
GRC	105131	2.07	102960	466 (4.41)	416 (5.28)	409 (5.75)	393 (10.34)	381 (10.63)
HUN	107044	0.17	106867	515 (2.79)	447 (5.02)	412 (11.54)	409 (11.17)	398 (10.12)
ISL	3928	0.69	3901	511 (1.42)	442 (8.67)	425 (11.99)	. (.)	389 (17.68)
IRL	54850	1.31	54133	506 (2.30)	457 (6.23)	452 (9.59)	433 (13.51)	431 (6.95)
ITA	481521	1.99	471943	487 (2.56)	418 (7.12)	418 (11.19)	381 (14.30)	392 (9.04)
JPN	1240054	1.42	1222475	567 (4.22)	529 (6.00)	504 (8.48)	455 (11.37)	515 (6.21)
KOR	533504	0.31	531834	556 (2.98)	474 (8.30)	446 (19.79)	. (.)	500 (8.43)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.41)	361 (4.32)	345 (8.73)	330 (8.88)	318 (6.00)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.84	46770	542 (2.02)	443 (8.62)	442 (14.58)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.56)	440 (4.71)	420 (7.55)	419 (10.37)	449 (6.92)
PRT	96857	0.82	96058	481 (3.34)	397 (8.83)	389 (11.68)	385 (13.95)	402 (10.08)
SVK	77067	3.71	74208	522 (2.68)	465 (4.50)	453 (5.49)	408 (10.70)	424 (5.93)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (2.31)	458 (8.41)	420 (14.76)	. (.)	431 (13.11)
CHE	86491	0.48	86079	532 (3.08)	471 (5.96)	465 (7.84)	422 (14.16)	419 (10.08)
TUR	481279	13.78	414937	445 (8.65)	389 (6.47)	395 (9.45)	371 (7.49)	379 (5.90)
GBR	698579	91.67	58219	530 (2.34)	447 (11.34)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	488 (2.79)	389 (6.69)	377 (11.77)	. (.)	398 (8.98)
TOT	.	19.76	.	506 (1.21)	436 (3.16)	421 (3.94)	401 (4.56)	416 (3.89)
AVG	.	22.13	.	517 (0.64)	440 (1.94)	427 (2.28)	404 (2.90)	416 (2.56)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (4.09)	455 (5.90)	436 (8.58)	396 (16.63)	433 (6.30)
LIE	338	0.30	337	535 (4.33)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	508 (4.23)	450 (7.58)	440 (6.22)	408 (9.28)	433 (6.10)
YUG	68596	1.90	67293	441 (3.42)	400 (3.86)	409 (5.07)	395 (6.41)	374 (5.66)
THA	637076	5.83	599963	445 (3.44)	410 (3.55)	396 (5.08)	382 (6.02)	376 (13.17)
TUN	150875	33.84	99822	387 (6.02)	350 (4.14)	351 (5.75)	345 (4.94)	317 (3.44)
URY	33775	3.82	32486	434 (3.68)	376 (8.16)	370 (11.37)	352 (13.60)	328 (5.35)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Print a computer document or file.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	94.49 (0.29)	2.23 (0.15)	0.65 (0.08)	0.24 (0.04)	2.38 (0.23)
AUT	85931	1.17	84927	93.53 (0.68)	3.14 (0.32)	1.33 (0.23)	0.80 (0.16)	1.21 (0.25)
BEL	111831	2.30	109260	88.65 (0.64)	4.01 (0.30)	1.39 (0.14)	0.89 (0.14)	5.06 (0.54)
CAN	330436	10.12	296990	95.91 (0.23)	1.53 (0.11)	0.48 (0.06)	0.21 (0.03)	1.87 (0.16)
CZE	121183	4.31	115964	82.71 (0.91)	8.08 (0.56)	2.82 (0.26)	0.62 (0.13)	5.76 (0.51)
DNK	51741	0.70	51378	93.07 (0.47)	2.83 (0.25)	0.99 (0.14)	0.40 (.)	2.71 (0.35)
FIN	57884	0.07	57845	90.61 (0.49)	4.55 (0.31)	1.61 (0.17)	0.72 (0.14)	2.51 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	87.24 (0.65)	5.46 (0.37)	2.25 (0.26)	0.78 (0.14)	4.27 (0.40)
GRC	105131	2.07	102960	67.87 (1.07)	19.39 (0.65)	7.75 (0.48)	2.10 (0.25)	2.90 (0.31)
HUN	107044	0.17	106867	67.71 (0.89)	19.38 (0.69)	6.98 (0.40)	2.57 (0.27)	3.36 (0.33)
ISL	3928	0.69	3901	94.19 (0.39)	2.56 (0.28)	1.39 (0.18)	0.75 (.)	1.10 (0.19)
IRL	54850	1.31	54133	87.72 (0.67)	5.21 (0.36)	2.10 (0.25)	0.97 (0.15)	4.00 (0.36)
ITA	481521	1.99	471943	81.12 (0.83)	8.95 (0.57)	3.54 (0.31)	1.58 (0.19)	4.81 (0.43)
JPN	1240054	1.42	1222475	59.54 (1.27)	17.99 (0.73)	5.08 (0.34)	3.94 (0.33)	13.45 (0.70)
KOR	533504	0.31	531834	93.08 (0.47)	2.98 (0.31)	0.75 (0.15)	0.61 (0.10)	2.59 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	58.94 (1.82)	17.27 (0.91)	5.73 (0.42)	2.60 (0.31)	15.46 (1.39)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	94.58 (0.43)	3.24 (0.33)	1.08 (0.19)	0.45 (.)	0.64 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	74.12 (1.08)	13.78 (0.61)	5.68 (0.43)	2.13 (0.26)	4.29 (0.41)
PRT	96857	0.82	96058	87.93 (0.83)	6.12 (0.44)	1.68 (0.26)	0.85 (0.13)	3.42 (0.35)
SVK	77067	3.71	74208	58.30 (1.31)	16.17 (0.66)	8.69 (0.54)	4.30 (0.35)	12.54 (0.94)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	92.48 (0.48)	3.16 (0.28)	1.18 (0.18)	0.61 (.)	2.57 (0.25)
CHE	86491	0.48	86079	90.08 (0.49)	4.94 (0.34)	1.79 (0.21)	0.97 (0.16)	2.22 (0.21)
TUR	481279	13.78	414937	41.08 (1.91)	23.43 (0.99)	7.51 (0.43)	6.14 (0.48)	21.84 (1.45)
GBR	698579	91.67	58219	95.28 (0.41)	2.99 (0.37)	0.71 (.)	0.47 (.)	0.55 (.)
USA	3147089	2.76	3060301	91.22 (0.45)	3.83 (0.29)	1.32 (0.20)	0.54 (.)	3.08 (0.21)
TOT	.	19.76	.	79.63 (0.35)	9.04 (0.19)	3.05 (0.09)	1.64 (0.06)	6.64 (0.18)
AVG	.	22.13	.	82.26 (0.21)	8.22 (0.12)	3.03 (0.06)	1.46 (0.04)	5.02 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	69.32 (1.44)	15.72 (1.11)	6.98 (0.55)	1.90 (0.19)	6.09 (0.58)
LIE	338	0.30	337	92.97 (1.43)	3.99 (.)	1.20 (.)	0.62 (.)	1.22 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	59.37 (1.75)	15.01 (0.68)	7.95 (0.54)	4.98 (0.49)	12.69 (1.14)
YUG	68596	1.90	67293	49.13 (1.27)	21.27 (0.68)	9.98 (0.52)	4.31 (0.38)	15.31 (1.15)
THA	637076	5.83	599963	62.06 (1.12)	25.72 (0.95)	6.10 (0.39)	5.02 (0.54)	1.10 (0.23)
TUN	150875	33.84	99822	33.22 (1.51)	19.31 (0.79)	11.38 (0.57)	9.32 (0.70)	26.78 (1.31)
URY	33775	3.82	32486	70.79 (0.91)	10.87 (0.65)	4.63 (0.35)	2.06 (0.28)	11.64 (0.99)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Print a computer document or file.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.83)	422 (9.39)	404 (12.92)	374 (19.35)	406 (9.05)
AUT	85931	1.17	84927	502 (3.05)	392 (10.98)	357 (12.02)	376 (18.44)	357 (13.07)
BEL	111831	2.30	109260	526 (2.27)	429 (8.75)	391 (12.57)	338 (23.76)	370 (12.56)
CAN	330436	10.12	296990	535 (1.48)	451 (8.81)	410 (12.08)	408 (18.60)	472 (7.57)
CZE	121183	4.31	115964	506 (2.62)	467 (5.89)	448 (9.80)	421 (17.43)	421 (9.15)
DNK	51741	0.70	51378	498 (2.56)	429 (10.71)	435 (16.36)	. (.)	403 (15.44)
FIN	57884	0.07	57845	548 (1.57)	506 (6.06)	487 (10.54)	453 (20.30)	507 (10.66)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (3.19)	435 (7.13)	401 (15.39)	407 (19.15)	401 (11.52)
GRC	105131	2.07	102960	491 (4.37)	447 (4.73)	431 (7.11)	403 (12.41)	393 (15.79)
HUN	107044	0.17	106867	500 (2.47)	457 (4.42)	442 (5.68)	415 (9.63)	393 (12.83)
ISL	3928	0.69	3901	498 (1.58)	430 (11.39)	410 (13.70)	. (.)	318 (20.07)
IRL	54850	1.31	54133	524 (2.57)	464 (7.61)	463 (9.66)	443 (15.61)	439 (8.37)
ITA	481521	1.99	471943	491 (2.49)	437 (7.28)	413 (8.45)	399 (12.04)	398 (9.70)
JPN	1240054	1.42	1222475	522 (4.14)	487 (5.58)	451 (7.58)	400 (12.86)	461 (6.23)
KOR	533504	0.31	531834	540 (2.84)	471 (8.18)	432 (21.41)	413 (17.58)	457 (10.99)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	441 (3.98)	387 (3.79)	375 (7.41)	345 (9.08)	328 (6.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	532 (2.27)	413 (9.95)	396 (18.55)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (2.66)	464 (5.32)	462 (6.15)	428 (10.66)	444 (7.58)
PRT	96857	0.82	96058	488 (3.32)	402 (8.08)	393 (12.94)	375 (17.40)	417 (9.00)
SVK	77067	3.71	74208	498 (2.76)	460 (5.17)	452 (5.18)	412 (6.62)	405 (5.63)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	521 (2.27)	463 (8.92)	456 (13.44)	. (.)	406 (16.03)
CHE	86491	0.48	86079	508 (3.28)	426 (8.97)	424 (10.98)	401 (15.55)	404 (10.11)
TUR	481279	13.78	414937	476 (8.76)	432 (7.36)	428 (7.49)	408 (7.87)	417 (5.43)
GBR	698579	91.67	58219	521 (2.54)	432 (10.94)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	507 (2.76)	401 (6.84)	380 (11.18)	. (.)	423 (9.51)
TOT	.	19.76	.	508 (1.24)	439 (2.48)	418 (3.35)	394 (4.98)	409 (3.67)
AVG	.	22.13	.	512 (0.66)	445 (1.78)	430 (2.19)	403 (3.24)	409 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (3.57)	476 (4.83)	460 (9.55)	404 (11.07)	451 (6.47)
LIE	338	0.30	337	529 (3.84)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	465 (3.74)	433 (5.18)	412 (8.01)	402 (8.17)	404 (6.46)
YUG	68596	1.90	67293	430 (3.77)	412 (4.44)	412 (4.70)	383 (6.93)	367 (5.89)
THA	637076	5.83	599963	439 (3.42)	402 (3.26)	392 (6.67)	375 (6.62)	366 (10.64)
TUN	150875	33.84	99822	412 (6.83)	384 (5.43)	374 (5.77)	366 (5.39)	344 (5.64)
URY	33775	3.82	32486	461 (3.28)	401 (9.04)	393 (8.15)	365 (14.29)	350 (7.21)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Print a computer document or file.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (1.97)	433 (7.14)	410 (9.91)	415 (17.52)	429 (7.88)
AUT	85931	1.17	84927	514 (2.84)	427 (8.73)	406 (8.96)	414 (19.53)	386 (14.97)
BEL	111831	2.30	109260	548 (2.10)	450 (7.97)	421 (10.99)	376 (18.75)	403 (9.95)
CAN	330436	10.12	296990	539 (1.55)	462 (7.45)	418 (11.74)	429 (16.76)	478 (8.09)
CZE	121183	4.31	115964	535 (3.08)	479 (6.09)	461 (8.96)	435 (15.22)	438 (7.35)
DNK	51741	0.70	51378	520 (2.62)	441 (10.06)	436 (14.03)	. (.)	438 (13.23)
FIN	57884	0.07	57845	550 (1.87)	499 (6.15)	471 (9.50)	454 (15.12)	515 (9.34)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	523 (3.19)	444 (6.37)	409 (13.45)	408 (12.98)	431 (9.75)
GRC	105131	2.07	102960	464 (3.96)	417 (4.81)	404 (5.83)	381 (9.94)	373 (9.39)
HUN	107044	0.17	106867	513 (2.94)	457 (4.04)	439 (4.39)	407 (8.25)	391 (8.63)
ISL	3928	0.69	3901	520 (1.50)	453 (9.81)	432 (10.88)	. (.)	395 (18.87)
IRL	54850	1.31	54133	510 (2.40)	459 (6.21)	458 (10.06)	433 (13.56)	437 (7.20)
ITA	481521	1.99	471943	481 (2.60)	414 (7.39)	405 (7.85)	393 (11.34)	401 (6.24)
JPN	1240054	1.42	1222475	554 (4.74)	522 (5.60)	497 (7.25)	450 (10.85)	508 (5.92)
KOR	533504	0.31	531834	548 (3.11)	464 (8.63)	438 (17.94)	409 (14.96)	479 (9.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (3.66)	368 (3.10)	356 (5.82)	330 (7.43)	323 (6.11)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	533 (2.15)	430 (8.23)	429 (13.44)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.18)	457 (4.58)	439 (5.38)	427 (10.12)	446 (7.10)
PRT	96857	0.82	96058	477 (2.99)	388 (7.09)	395 (11.80)	375 (14.05)	407 (8.22)
SVK	77067	3.71	74208	531 (2.67)	484 (3.86)	471 (5.12)	436 (5.13)	434 (6.51)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.52)	449 (7.14)	425 (13.47)	. (.)	420 (13.60)
CHE	86491	0.48	86079	537 (3.39)	444 (8.22)	442 (10.30)	421 (13.84)	426 (8.32)
TUR	481279	13.78	414937	468 (10.68)	412 (7.13)	415 (7.83)	398 (7.85)	392 (6.07)
GBR	698579	91.67	58219	528 (2.29)	446 (10.38)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (2.58)	399 (6.07)	382 (7.80)	. (.)	404 (8.91)
TOT	.	19.76	.	506 (1.13)	440 (2.78)	421 (3.19)	406 (4.14)	417 (3.81)
AVG	.	22.13	.	517 (0.64)	444 (1.73)	431 (1.96)	410 (2.61)	418 (2.47)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (3.95)	459 (4.32)	440 (7.63)	400 (10.05)	438 (5.36)
LIE	338	0.30	337	540 (4.38)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	493 (4.27)	452 (5.40)	437 (7.02)	431 (7.72)	431 (5.75)
YUG	68596	1.90	67293	459 (4.01)	433 (4.33)	430 (5.46)	406 (6.11)	392 (5.75)
THA	637076	5.83	599963	436 (3.64)	399 (3.66)	389 (6.18)	375 (6.46)	358 (11.53)
TUN	150875	33.84	99822	404 (7.03)	364 (4.34)	362 (4.87)	342 (5.40)	335 (4.13)
URY	33775	3.82	32486	446 (3.31)	394 (7.59)	381 (7.38)	360 (11.57)	354 (5.63)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Print a computer document or file.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.90)	425 (10.37)	398 (12.59)	377 (15.80)	429 (8.69)
AUT	85931	1.17	84927	500 (2.94)	396 (8.44)	370 (10.42)	381 (17.07)	375 (13.65)
BEL	111831	2.30	109260	526 (2.27)	431 (8.34)	405 (11.69)	359 (18.28)	385 (10.72)
CAN	330436	10.12	296990	526 (1.75)	444 (8.83)	404 (11.27)	416 (19.27)	463 (9.69)
CZE	121183	4.31	115964	541 (2.94)	487 (6.66)	468 (9.82)	433 (18.35)	447 (7.32)
DNK	51741	0.70	51378	483 (2.78)	392 (9.92)	390 (16.23)	. (.)	372 (14.75)
FIN	57884	0.07	57845	554 (1.89)	500 (8.03)	474 (10.46)	448 (19.27)	505 (10.29)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.36)	436 (7.16)	405 (16.38)	398 (19.04)	419 (10.68)
GRC	105131	2.07	102960	500 (3.95)	454 (4.18)	436 (7.89)	409 (10.58)	419 (13.09)
HUN	107044	0.17	106867	526 (2.85)	472 (4.68)	451 (5.55)	416 (9.22)	407 (11.17)
ISL	3928	0.69	3901	501 (1.54)	426 (10.98)	397 (15.62)	. (.)	386 (18.65)
IRL	54850	1.31	54133	513 (2.65)	454 (7.41)	450 (10.53)	418 (15.54)	438 (8.11)
ITA	481521	1.99	471943	504 (2.54)	437 (7.21)	416 (9.71)	413 (11.68)	406 (8.60)
JPN	1240054	1.42	1222475	569 (4.86)	533 (5.66)	499 (8.33)	450 (12.97)	524 (6.31)
KOR	533504	0.31	531834	545 (3.37)	456 (9.87)	423 (20.25)	381 (19.51)	466 (10.14)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	438 (3.63)	390 (3.30)	378 (5.81)	358 (7.43)	353 (4.91)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	530 (2.33)	423 (9.77)	420 (13.55)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	516 (2.70)	458 (5.47)	441 (5.89)	426 (10.79)	451 (7.04)
PRT	96857	0.82	96058	479 (3.04)	390 (7.03)	391 (12.15)	360 (16.82)	406 (7.67)
SVK	77067	3.71	74208	529 (2.92)	483 (4.65)	471 (5.13)	437 (6.40)	427 (6.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.78)	450 (9.61)	435 (15.96)	. (.)	398 (14.57)
CHE	86491	0.48	86079	524 (3.63)	421 (8.92)	419 (13.90)	389 (16.69)	407 (9.49)
TUR	481279	13.78	414937	473 (9.57)	422 (6.37)	418 (7.31)	403 (7.71)	412 (5.19)
GBR	698579	91.67	58219	519 (2.75)	417 (11.80)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	503 (2.73)	402 (6.32)	386 (9.27)	. (.)	412 (10.15)
TOT	.	19.76	.	513 (1.20)	450 (2.68)	427 (3.47)	412 (4.59)	431 (3.66)
AVG	.	22.13	.	516 (0.63)	451 (1.74)	435 (2.21)	411 (3.00)	424 (2.29)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	506 (3.97)	466 (5.41)	447 (8.62)	401 (11.04)	439 (6.16)
LIE	338	0.30	337	529 (4.40)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (4.28)	473 (5.47)	452 (8.26)	450 (8.47)	455 (6.70)
YUG	68596	1.90	67293	457 (3.69)	432 (4.06)	432 (4.75)	399 (6.08)	397 (5.78)
THA	637076	5.83	599963	448 (3.37)	409 (3.11)	402 (5.60)	384 (7.01)	391 (11.86)
TUN	150875	33.84	99822	423 (6.64)	390 (5.28)	386 (4.98)	377 (6.47)	357 (5.14)
URY	33775	3.82	32486	460 (3.04)	414 (7.34)	403 (7.89)	377 (13.24)	373 (5.50)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Print a computer document or file.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.76)	431 (7.73)	411 (11.57)	396 (19.89)	435 (7.76)
AUT	85931	1.17	84927	514 (2.77)	429 (9.15)	398 (8.87)	406 (20.70)	388 (14.49)
BEL	111831	2.30	109260	542 (2.05)	450 (6.82)	422 (10.68)	383 (16.50)	410 (10.01)
CAN	330436	10.12	296990	537 (1.49)	456 (7.57)	416 (12.42)	413 (17.60)	468 (8.60)
CZE	121183	4.31	115964	536 (2.83)	478 (5.48)	460 (8.76)	422 (14.71)	439 (7.44)
DNK	51741	0.70	51378	523 (2.36)	441 (9.52)	440 (12.77)	. (.)	437 (14.39)
FIN	57884	0.07	57845	553 (1.83)	498 (5.75)	475 (9.80)	454 (14.81)	508 (9.66)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	531 (3.18)	452 (6.04)	419 (13.02)	417 (12.76)	432 (9.97)
GRC	105131	2.07	102960	467 (4.31)	423 (4.61)	406 (5.75)	382 (12.12)	383 (10.09)
HUN	107044	0.17	106867	524 (2.82)	469 (4.47)	449 (5.60)	421 (7.81)	400 (10.18)
ISL	3928	0.69	3901	510 (1.44)	444 (9.53)	426 (10.54)	. (.)	381 (18.04)
IRL	54850	1.31	54133	506 (2.32)	455 (6.38)	450 (9.05)	431 (13.58)	431 (7.11)
ITA	481521	1.99	471943	486 (2.52)	419 (7.73)	405 (9.10)	381 (15.71)	397 (8.14)
JPN	1240054	1.42	1222475	569 (4.56)	533 (5.61)	506 (8.28)	456 (10.41)	516 (6.22)
KOR	533504	0.31	531834	556 (2.93)	480 (7.86)	447 (20.82)	420 (15.31)	496 (8.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	427 (4.35)	364 (4.47)	348 (7.38)	323 (8.87)	317 (5.86)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	542 (2.03)	431 (8.40)	423 (14.18)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (2.45)	450 (4.95)	436 (5.45)	419 (9.48)	448 (6.77)
PRT	96857	0.82	96058	481 (3.42)	391 (8.51)	391 (14.48)	368 (15.22)	403 (10.51)
SVK	77067	3.71	74208	526 (2.58)	478 (4.22)	464 (5.03)	424 (7.25)	424 (6.10)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (2.28)	451 (8.57)	435 (12.33)	. (.)	438 (13.31)
CHE	86491	0.48	86079	531 (3.06)	445 (7.04)	441 (9.77)	420 (15.08)	412 (9.15)
TUR	481279	13.78	414937	449 (9.21)	397 (7.07)	397 (7.02)	375 (7.90)	379 (5.82)
GBR	698579	91.67	58219	530 (2.35)	445 (10.49)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (2.75)	391 (6.85)	369 (10.43)	. (.)	399 (9.74)
TOT	.	19.76	.	507 (1.20)	440 (3.04)	419 (3.80)	402 (4.44)	416 (3.97)
AVG	.	22.13	.	518 (0.64)	444 (1.88)	429 (2.14)	405 (2.96)	416 (2.60)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (3.99)	459 (4.85)	437 (9.80)	390 (13.57)	435 (5.99)
LIE	338	0.30	337	534 (4.24)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	509 (4.44)	462 (5.59)	444 (6.92)	420 (8.30)	433 (6.60)
YUG	68596	1.90	67293	441 (3.65)	417 (4.05)	417 (5.03)	402 (6.93)	373 (5.71)
THA	637076	5.83	599963	444 (3.30)	407 (3.26)	396 (6.60)	380 (6.53)	364 (14.00)
TUN	150875	33.84	99822	383 (5.27)	354 (4.17)	348 (5.09)	340 (4.83)	317 (3.56)
URY	33775	3.82	32486	438 (3.59)	377 (7.68)	370 (9.36)	339 (11.39)	328 (5.60)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Delete a computer document or file.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	93.58 (0.30)	2.86 (0.16)	0.81 (0.09)	0.32 (0.06)	2.43 (0.24)
AUT	85931	1.17	84927	93.52 (0.70)	3.22 (0.41)	1.17 (0.23)	0.80 (0.13)	1.28 (0.22)
BEL	111831	2.30	109260	87.14 (0.65)	4.91 (0.34)	1.68 (0.16)	1.06 (0.16)	5.21 (0.53)
CAN	330436	10.12	296990	94.97 (0.26)	2.21 (0.16)	0.62 (0.08)	0.27 (0.03)	1.93 (0.14)
CZE	121183	4.31	115964	87.54 (0.66)	4.44 (0.29)	1.56 (0.18)	0.57 (.)	5.89 (0.52)
DNK	51741	0.70	51378	90.75 (0.58)	4.74 (0.38)	1.29 (0.20)	0.58 (.)	2.64 (0.33)
FIN	57884	0.07	57845	87.79 (0.46)	6.64 (0.33)	2.22 (0.17)	0.79 (0.15)	2.57 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	88.41 (0.75)	4.53 (0.39)	1.94 (0.22)	0.72 (0.14)	4.40 (0.42)
GRC	105131	2.07	102960	77.36 (0.96)	13.80 (0.63)	4.04 (0.39)	2.19 (0.23)	2.62 (0.29)
HUN	107044	0.17	106867	78.60 (0.78)	12.53 (0.53)	3.89 (0.30)	1.77 (0.20)	3.21 (0.31)
ISL	3928	0.69	3901	92.71 (0.46)	3.62 (0.34)	1.57 (0.22)	0.96 (0.17)	1.14 (0.20)
IRL	54850	1.31	54133	85.26 (0.73)	6.81 (0.47)	2.48 (0.25)	1.16 (0.19)	4.30 (0.39)
ITA	481521	1.99	471943	80.29 (0.82)	9.10 (0.48)	4.13 (0.34)	1.58 (0.20)	4.90 (0.42)
JPN	1240054	1.42	1222475	58.08 (1.12)	17.53 (0.64)	6.31 (0.31)	4.47 (0.41)	13.61 (0.70)
KOR	533504	0.31	531834	94.18 (0.40)	2.37 (0.22)	0.43 (.)	0.40 (.)	2.63 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	59.31 (1.77)	16.37 (0.89)	5.98 (0.46)	2.84 (0.33)	15.50 (1.41)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	92.73 (0.47)	4.80 (0.38)	1.41 (0.20)	0.47 (.)	0.58 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	78.72 (0.93)	11.22 (0.50)	3.81 (0.34)	1.93 (0.24)	4.32 (0.41)
PRT	96857	0.82	96058	85.77 (0.88)	7.77 (0.57)	2.24 (0.23)	1.03 (0.14)	3.18 (0.33)
SVK	77067	3.71	74208	68.52 (1.27)	11.19 (0.53)	4.47 (0.33)	3.19 (0.32)	12.63 (0.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	91.67 (0.52)	4.18 (0.37)	1.10 (0.16)	0.54 (.)	2.51 (0.25)
CHE	86491	0.48	86079	89.95 (0.52)	5.18 (0.39)	1.63 (0.19)	0.97 (0.16)	2.27 (0.22)
TUR	481279	13.78	414937	50.07 (1.99)	17.23 (0.86)	5.80 (0.46)	5.34 (0.47)	21.57 (1.48)
GBR	698579	91.67	58219	93.74 (0.59)	3.87 (0.49)	1.01 (.)	0.84 (.)	0.53 (.)
USA	3147089	2.76	3060301	90.04 (0.45)	4.52 (0.32)	1.52 (0.18)	0.87 (0.16)	3.05 (0.22)
TOT	.	19.76	.	80.07 (0.35)	8.50 (0.19)	3.01 (0.09)	1.76 (0.08)	6.66 (0.18)
AVG	.	22.13	.	83.50 (0.20)	7.49 (0.11)	2.56 (0.05)	1.43 (0.04)	5.03 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	74.89 (1.26)	11.57 (0.78)	5.83 (0.48)	1.57 (0.23)	6.14 (0.59)
LIE	338	0.30	337	92.39 (1.63)	4.26 (.)	1.53 (.)	0.30 (.)	1.52 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	63.87 (1.78)	13.05 (0.62)	6.51 (0.38)	4.13 (0.49)	12.44 (1.07)
YUG	68596	1.90	67293	60.08 (1.46)	13.71 (0.69)	7.00 (0.42)	3.81 (0.34)	15.41 (1.16)
THA	637076	5.83	599963	57.77 (1.21)	28.27 (0.88)	6.79 (0.47)	5.69 (0.60)	1.48 (0.28)
TUN	150875	33.84	99822	30.70 (1.51)	19.61 (0.88)	11.31 (0.62)	11.88 (0.80)	26.50 (1.32)
URY	33775	3.82	32486	71.04 (1.04)	10.70 (0.63)	4.14 (0.40)	2.23 (0.28)	11.90 (1.00)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Delete a computer document or file.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.86)	455 (7.90)	411 (12.24)	379 (17.51)	407 (9.07)
AUT	85931	1.17	84927	501 (3.13)	399 (10.06)	361 (14.25)	344 (15.01)	386 (14.78)
BEL	111831	2.30	109260	527 (2.22)	435 (8.55)	415 (12.23)	350 (23.51)	374 (12.81)
CAN	330436	10.12	296990	535 (1.50)	469 (7.41)	434 (13.25)	415 (15.47)	475 (6.38)
CZE	121183	4.31	115964	505 (2.75)	448 (7.58)	437 (9.24)	. (.)	422 (9.15)
DNK	51741	0.70	51378	497 (2.50)	487 (9.66)	430 (17.26)	. (.)	398 (15.53)
FIN	57884	0.07	57845	548 (1.58)	525 (5.20)	492 (7.86)	462 (23.85)	508 (10.60)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (3.13)	445 (7.55)	407 (14.86)	380 (21.57)	399 (11.25)
GRC	105131	2.07	102960	486 (4.20)	440 (6.08)	428 (9.77)	389 (13.66)	394 (16.79)
HUN	107044	0.17	106867	497 (2.46)	441 (5.09)	419 (8.95)	400 (11.79)	390 (12.69)
ISL	3928	0.69	3901	499 (1.59)	447 (11.10)	418 (12.30)	388 (19.34)	335 (19.66)
IRL	54850	1.31	54133	525 (2.61)	473 (6.24)	474 (9.76)	432 (15.44)	440 (7.60)
ITA	481521	1.99	471943	492 (2.40)	435 (7.08)	412 (8.27)	389 (15.39)	395 (9.57)
JPN	1240054	1.42	1222475	524 (3.98)	483 (5.21)	462 (6.97)	405 (11.75)	461 (6.29)
KOR	533504	0.31	531834	539 (2.93)	459 (8.80)	. (.)	. (.)	460 (10.71)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	440 (4.07)	387 (4.24)	381 (6.05)	350 (8.62)	329 (6.71)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	532 (2.29)	458 (8.82)	406 (14.33)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (2.47)	456 (5.80)	446 (7.59)	423 (11.82)	442 (8.30)
PRT	96857	0.82	96058	489 (3.29)	413 (8.93)	405 (11.44)	380 (11.51)	417 (9.46)
SVK	77067	3.71	74208	495 (2.54)	446 (5.28)	437 (7.10)	408 (7.05)	405 (5.43)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	521 (2.26)	478 (7.34)	466 (19.92)	. (.)	402 (16.08)
CHE	86491	0.48	86079	508 (3.28)	439 (8.98)	409 (12.98)	403 (13.11)	401 (11.12)
TUR	481279	13.78	414937	472 (8.11)	423 (7.81)	423 (8.68)	398 (7.13)	417 (5.67)
GBR	698579	91.67	58219	521 (2.66)	464 (11.93)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	507 (2.75)	416 (6.95)	408 (12.74)	383 (15.80)	426 (9.67)
TOT	.	19.76	.	507 (1.20)	438 (2.67)	423 (3.49)	391 (5.07)	409 (3.72)
AVG	.	22.13	.	511 (0.66)	445 (1.83)	427 (2.61)	396 (3.67)	409 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (3.65)	473 (7.00)	439 (9.13)	420 (14.69)	453 (6.41)
LIE	338	0.30	337	527 (3.94)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	463 (4.03)	423 (5.85)	421 (6.97)	398 (9.13)	403 (5.87)
YUG	68596	1.90	67293	433 (3.72)	396 (4.38)	393 (4.32)	377 (7.03)	366 (5.79)
THA	637076	5.83	599963	438 (3.58)	408 (3.45)	397 (5.35)	379 (6.24)	362 (10.15)
TUN	150875	33.84	99822	414 (6.62)	377 (5.84)	379 (7.48)	372 (5.34)	347 (5.57)
URY	33775	3.82	32486	460 (3.15)	404 (8.78)	390 (13.13)	360 (13.67)	353 (6.93)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Delete a computer document or file.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.00)	457 (6.49)	414 (10.62)	407 (14.98)	429 (7.84)
AUT	85931	1.17	84927	513 (2.86)	434 (7.63)	401 (12.74)	394 (16.08)	412 (16.10)
BEL	111831	2.30	109260	549 (2.04)	454 (7.62)	435 (10.01)	383 (18.83)	406 (10.22)
CAN	330436	10.12	296990	540 (1.55)	476 (6.49)	435 (10.69)	442 (12.22)	481 (7.01)
CZE	121183	4.31	115964	533 (3.16)	463 (6.97)	443 (10.37)	. (.)	438 (7.15)
DNK	51741	0.70	51378	520 (2.57)	485 (7.73)	441 (15.31)	. (.)	434 (12.96)
FIN	57884	0.07	57845	550 (1.88)	514 (4.82)	478 (7.73)	465 (14.80)	515 (9.32)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	521 (3.16)	448 (6.86)	426 (11.70)	397 (15.26)	430 (9.70)
GRC	105131	2.07	102960	459 (3.95)	409 (5.64)	403 (7.71)	383 (8.37)	373 (10.40)
HUN	107044	0.17	106867	508 (2.86)	438 (4.19)	416 (6.32)	390 (9.88)	393 (9.66)
ISL	3928	0.69	3901	521 (1.52)	465 (8.80)	435 (10.48)	420 (12.98)	408 (18.08)
IRL	54850	1.31	54133	511 (2.48)	467 (5.47)	466 (8.81)	432 (14.29)	437 (6.55)
ITA	481521	1.99	471943	482 (2.66)	418 (6.33)	404 (7.88)	393 (11.63)	398 (6.19)
JPN	1240054	1.42	1222475	556 (4.50)	518 (5.25)	502 (6.39)	452 (9.79)	508 (5.87)
KOR	533504	0.31	531834	548 (3.15)	452 (8.28)	. (.)	. (.)	481 (8.70)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (3.65)	366 (3.32)	362 (5.52)	333 (5.49)	323 (6.17)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	533 (2.11)	464 (7.75)	423 (12.44)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.22)	445 (4.77)	434 (6.28)	416 (10.40)	445 (7.40)
PRT	96857	0.82	96058	478 (2.95)	400 (7.36)	391 (9.05)	363 (11.90)	404 (7.20)
SVK	77067	3.71	74208	526 (2.84)	470 (4.38)	454 (6.13)	430 (6.18)	434 (6.24)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.53)	458 (7.39)	447 (17.03)	. (.)	417 (13.64)
CHE	86491	0.48	86079	536 (3.38)	457 (8.65)	437 (12.42)	418 (11.50)	422 (8.79)
TUR	481279	13.78	414937	461 (9.98)	406 (7.55)	406 (10.21)	392 (7.38)	392 (6.31)
GBR	698579	91.67	58219	528 (2.37)	477 (9.70)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (2.61)	409 (6.23)	402 (11.68)	391 (11.38)	408 (8.57)
TOT	.	19.76	.	506 (1.12)	439 (2.90)	428 (3.66)	405 (4.01)	418 (3.81)
AVG	.	22.13	.	516 (0.65)	444 (1.71)	428 (2.30)	406 (2.57)	419 (2.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	498 (3.88)	457 (6.31)	425 (8.47)	410 (13.70)	438 (5.37)
LIE	338	0.30	337	538 (4.44)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	492 (4.43)	444 (5.51)	438 (6.67)	425 (6.69)	430 (5.39)
YUG	68596	1.90	67293	460 (3.87)	413 (4.24)	417 (5.08)	398 (6.52)	391 (5.74)
THA	637076	5.83	599963	437 (3.82)	403 (3.36)	388 (5.42)	382 (6.06)	364 (11.41)
TUN	150875	33.84	99822	408 (7.02)	360 (4.54)	363 (5.41)	348 (4.50)	335 (3.96)
URY	33775	3.82	32486	446 (3.33)	395 (7.78)	375 (6.99)	353 (10.26)	354 (5.58)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Delete a computer document or file.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.92)	449 (8.50)	406 (12.13)	374 (17.59)	429 (8.74)
AUT	85931	1.17	84927	500 (2.96)	402 (9.11)	372 (12.29)	365 (14.03)	404 (16.29)
BEL	111831	2.30	109260	527 (2.26)	436 (7.39)	420 (10.29)	368 (17.76)	387 (10.97)
CAN	330436	10.12	296990	526 (1.78)	459 (8.42)	429 (11.91)	429 (14.62)	468 (8.07)
CZE	121183	4.31	115964	539 (2.98)	465 (8.04)	454 (11.19)	. (.)	448 (7.30)
DNK	51741	0.70	51378	482 (2.75)	447 (9.50)	393 (17.80)	. (.)	366 (13.79)
FIN	57884	0.07	57845	555 (1.92)	517 (5.58)	478 (11.30)	460 (18.11)	506 (10.68)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	523 (3.31)	443 (8.57)	418 (15.22)	383 (21.35)	418 (10.93)
GRC	105131	2.07	102960	496 (3.88)	442 (6.47)	433 (8.67)	409 (11.07)	418 (13.48)
HUN	107044	0.17	106867	522 (2.82)	452 (4.25)	428 (8.49)	402 (11.03)	405 (11.81)
ISL	3928	0.69	3901	501 (1.56)	434 (10.34)	402 (12.96)	391 (16.85)	396 (19.26)
IRL	54850	1.31	54133	515 (2.71)	462 (6.99)	455 (9.79)	412 (16.39)	437 (7.43)
ITA	481521	1.99	471943	504 (2.61)	439 (6.94)	415 (7.77)	402 (14.33)	405 (7.64)
JPN	1240054	1.42	1222475	571 (4.64)	530 (5.34)	507 (7.82)	453 (11.49)	525 (6.38)
KOR	533504	0.31	531834	544 (3.41)	439 (9.93)	. (.)	. (.)	469 (9.82)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (3.84)	389 (3.06)	383 (6.36)	358 (8.22)	354 (5.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	531 (2.31)	456 (8.04)	417 (12.55)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	514 (2.59)	448 (5.99)	430 (7.23)	413 (11.42)	450 (7.69)
PRT	96857	0.82	96058	480 (3.02)	401 (8.83)	392 (9.53)	358 (12.62)	407 (7.10)
SVK	77067	3.71	74208	524 (2.87)	467 (4.73)	458 (6.73)	433 (9.02)	427 (6.68)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.76)	461 (8.39)	456 (21.57)	. (.)	394 (14.57)
CHE	86491	0.48	86079	524 (3.61)	439 (9.82)	409 (13.45)	383 (12.89)	404 (10.15)
TUR	481279	13.78	414937	467 (8.80)	414 (6.62)	413 (8.04)	396 (6.79)	412 (5.39)
GBR	698579	91.67	58219	519 (2.83)	458 (12.00)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	503 (2.73)	417 (6.63)	406 (11.54)	407 (12.47)	415 (10.62)
TOT	.	19.76	.	512 (1.18)	449 (2.84)	434 (3.86)	411 (4.32)	432 (3.71)
AVG	.	22.13	.	515 (0.64)	448 (1.81)	431 (2.49)	406 (3.12)	425 (2.25)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (4.05)	464 (6.78)	432 (8.22)	414 (14.77)	438 (6.31)
LIE	338	0.30	337	527 (4.51)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	511 (4.36)	465 (5.57)	458 (7.54)	445 (8.02)	453 (6.10)
YUG	68596	1.90	67293	458 (3.71)	417 (4.23)	414 (4.98)	393 (6.79)	396 (5.60)
THA	637076	5.83	599963	449 (3.51)	413 (2.99)	402 (6.07)	392 (5.64)	388 (10.48)
TUN	150875	33.84	99822	427 (6.91)	386 (5.36)	387 (5.44)	381 (4.69)	357 (4.83)
URY	33775	3.82	32486	459 (3.00)	420 (7.14)	396 (11.49)	377 (12.71)	374 (5.44)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Delete a computer document or file.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.77)	459 (6.72)	415 (12.20)	393 (14.55)	435 (7.85)
AUT	85931	1.17	84927	514 (2.79)	435 (7.25)	396 (12.05)	382 (16.69)	409 (15.26)
BEL	111831	2.30	109260	543 (2.00)	456 (6.63)	435 (11.52)	394 (15.02)	412 (10.22)
CAN	330436	10.12	296990	538 (1.50)	471 (6.40)	435 (12.46)	427 (14.32)	471 (7.17)
CZE	121183	4.31	115964	533 (2.98)	461 (6.75)	441 (10.68)	. (.)	440 (7.28)
DNK	51741	0.70	51378	523 (2.29)	487 (8.11)	445 (15.80)	. (.)	434 (14.49)
FIN	57884	0.07	57845	554 (1.84)	516 (5.08)	483 (7.31)	471 (16.38)	508 (9.75)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	529 (3.13)	457 (7.12)	432 (12.08)	405 (16.00)	431 (9.94)
GRC	105131	2.07	102960	462 (4.17)	413 (5.38)	408 (8.60)	378 (11.99)	384 (10.82)
HUN	107044	0.17	106867	520 (2.83)	449 (4.94)	425 (7.92)	406 (10.62)	399 (10.43)
ISL	3928	0.69	3901	511 (1.39)	459 (8.42)	428 (10.19)	416 (14.28)	393 (15.83)
IRL	54850	1.31	54133	507 (2.38)	463 (4.91)	457 (9.15)	426 (13.24)	431 (6.60)
ITA	481521	1.99	471943	487 (2.53)	421 (7.71)	405 (8.64)	384 (15.81)	392 (8.00)
JPN	1240054	1.42	1222475	571 (4.30)	529 (5.32)	513 (7.43)	458 (9.63)	516 (6.19)
KOR	533504	0.31	531834	555 (2.98)	466 (8.04)	. (.)	. (.)	498 (7.88)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	426 (4.38)	363 (4.85)	355 (8.39)	323 (10.50)	319 (6.20)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	543 (1.99)	469 (8.11)	429 (11.70)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.46)	437 (5.01)	430 (7.14)	406 (10.24)	445 (7.58)
PRT	96857	0.82	96058	482 (3.40)	404 (8.55)	390 (11.85)	365 (12.09)	400 (9.36)
SVK	77067	3.71	74208	521 (2.76)	463 (4.56)	451 (5.80)	417 (8.21)	423 (5.80)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.32)	466 (8.42)	448 (14.71)	. (.)	436 (13.59)
CHE	86491	0.48	86079	531 (3.05)	458 (6.86)	432 (12.61)	413 (12.68)	409 (9.72)
TUR	481279	13.78	414937	443 (8.53)	389 (7.70)	393 (8.78)	368 (7.30)	378 (6.06)
GBR	698579	91.67	58219	530 (2.42)	477 (9.71)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (2.76)	400 (6.37)	389 (12.74)	378 (11.81)	402 (9.35)
TOT	.	19.76	.	506 (1.17)	439 (3.16)	426 (4.18)	399 (4.41)	417 (3.95)
AVG	.	22.13	.	517 (0.64)	444 (1.91)	428 (2.65)	400 (2.97)	417 (2.57)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	497 (4.03)	455 (7.03)	425 (9.44)	398 (14.34)	436 (5.98)
LIE	338	0.30	337	532 (4.16)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	507 (4.69)	452 (6.28)	444 (6.83)	417 (7.88)	431 (5.90)
YUG	68596	1.90	67293	442 (3.45)	402 (3.99)	401 (4.77)	393 (6.93)	372 (5.66)
THA	637076	5.83	599963	445 (3.41)	411 (3.32)	400 (5.11)	384 (6.00)	370 (11.63)
TUN	150875	33.84	99822	386 (5.42)	350 (4.58)	349 (5.87)	342 (4.41)	318 (3.59)
URY	33775	3.82	32486	438 (3.56)	377 (8.21)	364 (11.46)	332 (10.65)	329 (5.22)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Move files from one place to another on a computer.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	86.89 (0.42)	8.23 (0.32)	2.04 (0.16)	0.38 (0.06)	2.47 (0.23)
AUT	85931	1.17	84927	85.04 (0.91)	9.22 (0.57)	3.24 (0.35)	1.31 (0.18)	1.18 (0.24)
BEL	111831	2.30	109260	77.56 (0.66)	12.14 (0.41)	3.60 (0.24)	1.43 (0.18)	5.27 (0.53)
CAN	330436	10.12	296990	85.88 (0.41)	8.63 (0.25)	2.51 (0.18)	0.51 (0.07)	2.46 (0.18)
CZE	121183	4.31	115964	77.35 (1.03)	12.69 (0.61)	3.25 (0.29)	0.76 (0.15)	5.95 (0.53)
DNK	51741	0.70	51378	74.26 (0.80)	16.47 (0.65)	5.03 (0.36)	1.44 (0.20)	2.79 (0.35)
FIN	57884	0.07	57845	67.96 (0.64)	21.51 (0.52)	6.49 (0.31)	1.51 (0.18)	2.53 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	75.51 (0.92)	13.17 (0.68)	5.37 (0.37)	1.43 (0.20)	4.52 (0.42)
GRC	105131	2.07	102960	60.28 (1.16)	25.61 (0.89)	7.94 (0.40)	2.66 (0.23)	3.50 (0.33)
HUN	107044	0.17	106867	63.98 (1.06)	22.54 (0.85)	7.43 (0.40)	2.91 (0.29)	3.14 (0.32)
ISL	3928	0.69	3901	83.68 (0.64)	10.40 (0.53)	3.61 (0.32)	1.13 (0.20)	1.17 (0.19)
IRL	54850	1.31	54133	63.07 (0.93)	21.62 (0.75)	8.78 (0.43)	1.98 (0.23)	4.56 (0.42)
ITA	481521	1.99	471943	70.37 (0.82)	15.76 (0.63)	6.31 (0.38)	2.57 (0.24)	4.99 (0.43)
JPN	1240054	1.42	1222475	33.28 (1.17)	30.49 (0.79)	14.65 (0.64)	8.03 (0.57)	13.54 (0.72)
KOR	533504	0.31	531834	86.09 (0.56)	8.98 (0.48)	1.38 (0.14)	0.91 (0.14)	2.64 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	48.02 (1.80)	24.09 (0.91)	8.82 (0.58)	3.29 (0.36)	15.79 (1.40)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	83.09 (0.57)	11.68 (0.47)	3.49 (0.30)	0.94 (0.15)	0.80 (0.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	76.87 (0.86)	12.37 (0.56)	4.61 (0.37)	1.74 (0.20)	4.40 (0.42)
PRT	96857	0.82	96058	78.05 (1.06)	13.28 (0.67)	3.89 (0.35)	1.49 (0.19)	3.30 (0.34)
SVK	77067	3.71	74208	57.91 (1.37)	16.64 (0.55)	8.70 (0.51)	4.12 (0.36)	12.63 (0.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	79.82 (0.63)	12.60 (0.54)	3.67 (0.27)	1.13 (0.16)	2.79 (0.25)
CHE	86491	0.48	86079	75.29 (0.93)	14.83 (0.61)	5.60 (0.38)	1.89 (0.25)	2.39 (0.23)
TUR	481279	13.78	414937	47.55 (1.88)	19.58 (0.82)	6.11 (0.46)	4.69 (0.41)	22.06 (1.45)
GBR	698579	91.67	58219	83.64 (1.07)	11.68 (0.85)	2.93 (0.31)	1.26 (0.19)	0.50 (.)
USA	3147089	2.76	3060301	80.59 (0.62)	12.02 (0.51)	3.23 (0.31)	1.02 (0.16)	3.14 (0.23)
TOT	.	19.76	.	68.67 (0.36)	16.24 (0.24)	5.83 (0.14)	2.49 (0.09)	6.78 (0.18)
AVG	.	22.13	.	71.83 (0.19)	15.57 (0.13)	5.39 (0.08)	2.04 (0.05)	5.18 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	57.63 (1.31)	22.67 (1.00)	10.60 (0.66)	2.87 (0.32)	6.24 (0.61)
LIE	338	0.30	337	84.44 (2.14)	10.38 (1.62)	3.03 (.)	0.92 (.)	1.22 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	53.28 (1.79)	17.42 (0.68)	9.16 (0.41)	6.29 (0.62)	13.85 (1.08)
YUG	68596	1.90	67293	48.11 (1.36)	22.32 (0.68)	9.57 (0.57)	4.63 (0.44)	15.37 (1.17)
THA	637076	5.83	599963	35.51 (1.34)	42.43 (0.98)	12.07 (0.66)	8.60 (0.79)	1.40 (0.26)
TUN	150875	33.84	99822	27.32 (1.54)	18.72 (0.85)	13.87 (0.77)	13.52 (0.83)	26.58 (1.38)
URY	33775	3.82	32486	62.36 (1.07)	15.79 (0.77)	6.44 (0.53)	2.85 (0.27)	12.55 (1.02)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?

Move files from one place to another on a computer.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (1.94)	503 (4.14)	464 (8.21)	407 (14.77)	403 (8.32)
AUT	85931	1.17	84927	506 (3.00)	442 (6.81)	416 (12.80)	372 (14.77)	366 (14.10)
BEL	111831	2.30	109260	529 (2.41)	486 (5.05)	470 (7.81)	374 (17.71)	371 (12.22)
CAN	330436	10.12	296990	536 (1.51)	521 (3.51)	494 (6.37)	446 (11.16)	480 (6.70)
CZE	121183	4.31	115964	507 (2.63)	479 (4.65)	455 (7.88)	414 (16.84)	421 (9.31)
DNK	51741	0.70	51378	497 (2.82)	494 (3.93)	483 (7.79)	458 (15.16)	404 (15.43)
FIN	57884	0.07	57845	546 (1.73)	546 (3.10)	534 (4.65)	488 (16.22)	507 (10.33)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (3.32)	487 (4.95)	459 (9.02)	418 (16.01)	397 (11.55)
GRC	105131	2.07	102960	483 (4.63)	466 (4.57)	465 (7.27)	431 (12.01)	398 (14.44)
HUN	107044	0.17	106867	499 (2.62)	464 (4.28)	451 (5.98)	424 (10.50)	388 (12.72)
ISL	3928	0.69	3901	497 (1.66)	499 (5.72)	449 (11.81)	429 (14.90)	322 (19.20)
IRL	54850	1.31	54133	527 (2.74)	512 (4.33)	492 (5.23)	447 (9.93)	439 (9.35)
ITA	481521	1.99	471943	494 (2.37)	455 (6.06)	439 (6.64)	422 (9.98)	395 (10.06)
JPN	1240054	1.42	1222475	533 (5.01)	504 (4.03)	487 (5.22)	424 (9.28)	461 (6.34)
KOR	533504	0.31	531834	541 (3.00)	509 (5.06)	470 (14.32)	435 (14.80)	460 (10.59)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (4.48)	402 (3.72)	392 (5.69)	363 (7.63)	329 (6.38)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	533 (2.35)	504 (6.06)	471 (11.83)	444 (16.05)	410 (16.33)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	511 (2.46)	467 (5.31)	443 (8.34)	420 (13.15)	445 (7.87)
PRT	96857	0.82	96058	491 (3.25)	439 (6.78)	433 (8.69)	391 (10.40)	417 (9.27)
SVK	77067	3.71	74208	496 (2.50)	464 (4.58)	456 (6.38)	415 (8.04)	405 (5.66)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	520 (2.43)	515 (5.16)	501 (8.14)	468 (15.79)	402 (14.89)
CHE	86491	0.48	86079	512 (3.74)	477 (4.89)	456 (7.90)	426 (10.48)	410 (10.70)
TUR	481279	13.78	414937	470 (8.14)	432 (7.58)	425 (7.57)	403 (8.16)	417 (5.44)
GBR	698579	91.67	58219	522 (2.73)	502 (6.37)	476 (11.80)	429 (18.00)	. (.)
USA	3147089	2.76	3060301	508 (2.93)	475 (5.33)	442 (8.14)	398 (16.54)	427 (9.08)
TOT	.	19.76	.	509 (1.34)	471 (2.05)	454 (2.96)	411 (4.65)	410 (3.64)
AVG	.	22.13	.	512 (0.69)	480 (1.38)	462 (1.76)	419 (2.83)	410 (2.44)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	503 (4.00)	485 (5.54)	481 (6.36)	418 (10.47)	452 (6.50)
LIE	338	0.30	337	532 (4.16)	487 (15.52)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	467 (3.62)	437 (6.07)	425 (6.68)	399 (7.91)	405 (5.76)
YUG	68596	1.90	67293	434 (3.66)	408 (4.39)	406 (4.35)	382 (6.15)	366 (5.81)
THA	637076	5.83	599963	448 (4.29)	414 (3.11)	404 (4.15)	392 (5.46)	369 (8.79)
TUN	150875	33.84	99822	414 (7.49)	385 (6.18)	375 (6.54)	375 (5.78)	346 (5.35)
URY	33775	3.82	32486	464 (3.40)	416 (7.00)	407 (11.73)	379 (10.93)	353 (6.35)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Move files from one place to another on a computer.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.03)	490 (3.65)	455 (6.72)	414 (14.43)	427 (7.54)
AUT	85931	1.17	84927	519 (2.80)	457 (5.18)	436 (10.37)	411 (12.53)	390 (15.58)
BEL	111831	2.30	109260	552 (2.24)	498 (4.43)	483 (6.36)	407 (14.60)	404 (9.78)
CAN	330436	10.12	296990	542 (1.59)	513 (3.36)	484 (5.80)	458 (11.39)	485 (7.01)
CZE	121183	4.31	115964	538 (3.05)	488 (5.00)	460 (7.24)	421 (15.65)	437 (7.64)
DNK	51741	0.70	51378	525 (2.80)	501 (4.32)	475 (7.29)	454 (13.05)	437 (12.89)
FIN	57884	0.07	57845	554 (1.98)	531 (3.09)	517 (4.40)	484 (12.05)	513 (9.33)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.31)	482 (4.41)	461 (8.57)	417 (14.13)	427 (9.74)
GRC	105131	2.07	102960	460 (4.27)	431 (4.53)	433 (5.74)	411 (10.97)	383 (8.53)
HUN	107044	0.17	106867	515 (3.12)	458 (3.73)	445 (5.22)	415 (7.40)	390 (9.31)
ISL	3928	0.69	3901	521 (1.62)	507 (4.63)	457 (8.46)	465 (13.74)	394 (17.56)
IRL	54850	1.31	54133	515 (2.55)	497 (3.73)	476 (5.10)	447 (8.95)	437 (7.76)
ITA	481521	1.99	471943	485 (2.64)	434 (5.43)	426 (5.79)	405 (8.96)	397 (6.82)
JPN	1240054	1.42	1222475	568 (5.75)	536 (4.09)	520 (4.34)	465 (7.97)	508 (5.97)
KOR	533504	0.31	531834	552 (3.29)	495 (5.12)	462 (10.86)	428 (13.42)	481 (8.91)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	428 (4.00)	381 (3.48)	366 (4.39)	350 (7.87)	323 (5.85)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	535 (2.09)	498 (5.39)	475 (10.18)	450 (16.67)	417 (14.84)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	506 (2.17)	452 (4.15)	429 (6.69)	415 (10.18)	446 (7.01)
PRT	96857	0.82	96058	482 (2.84)	419 (5.53)	411 (9.35)	369 (9.45)	406 (6.99)
SVK	77067	3.71	74208	530 (2.71)	485 (3.64)	474 (5.06)	436 (6.12)	435 (6.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	518 (2.70)	496 (4.35)	469 (9.22)	440 (14.72)	416 (12.50)
CHE	86491	0.48	86079	545 (3.84)	488 (4.69)	465 (6.59)	427 (11.92)	430 (8.68)
TUR	481279	13.78	414937	462 (10.00)	410 (7.52)	409 (7.72)	395 (8.42)	392 (6.11)
GBR	698579	91.67	58219	530 (2.41)	504 (6.08)	483 (9.87)	448 (15.74)	. (.)
USA	3147089	2.76	3060301	496 (2.79)	458 (4.44)	432 (7.31)	397 (13.26)	408 (8.15)
TOT	.	19.76	.	508 (1.26)	468 (1.99)	455 (2.93)	424 (4.28)	417 (3.74)
AVG	.	22.13	.	519 (0.69)	474 (1.25)	458 (1.70)	425 (2.44)	419 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (4.31)	466 (4.08)	463 (6.73)	406 (11.64)	438 (5.57)
LIE	338	0.30	337	544 (4.83)	486 (16.08)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	497 (4.33)	458 (5.70)	445 (5.53)	426 (6.85)	431 (5.28)
YUG	68596	1.90	67293	463 (3.93)	427 (4.12)	429 (4.67)	403 (5.61)	391 (5.63)
THA	637076	5.83	599963	451 (4.77)	408 (3.12)	397 (4.09)	389 (5.44)	362 (11.57)
TUN	150875	33.84	99822	409 (7.78)	364 (4.09)	362 (5.28)	356 (4.52)	335 (4.17)
URY	33775	3.82	32486	450 (3.43)	403 (5.19)	387 (7.67)	367 (9.01)	356 (4.89)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Move files from one place to another on a computer.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (1.96)	490 (4.39)	452 (7.88)	398 (13.33)	426 (8.23)
AUT	85931	1.17	84927	505 (2.84)	434 (6.67)	411 (10.92)	381 (14.07)	386 (14.57)
BEL	111831	2.30	109260	530 (2.39)	480 (4.75)	467 (6.67)	389 (14.22)	385 (10.65)
CAN	330436	10.12	296990	528 (1.78)	503 (4.21)	476 (6.53)	444 (12.84)	470 (7.95)
CZE	121183	4.31	115964	544 (2.90)	494 (5.08)	468 (8.12)	420 (18.41)	446 (7.54)
DNK	51741	0.70	51378	487 (2.96)	458 (4.63)	441 (7.83)	408 (16.02)	372 (13.74)
FIN	57884	0.07	57845	558 (2.08)	537 (3.46)	521 (4.87)	485 (13.36)	503 (10.53)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (3.47)	480 (5.46)	458 (9.24)	420 (16.87)	415 (10.82)
GRC	105131	2.07	102960	496 (4.36)	468 (4.48)	461 (7.25)	444 (11.07)	425 (11.74)
HUN	107044	0.17	106867	528 (2.90)	474 (3.91)	457 (6.55)	425 (9.39)	404 (11.96)
ISL	3928	0.69	3901	502 (1.70)	481 (4.68)	429 (11.81)	423 (15.30)	386 (17.76)
IRL	54850	1.31	54133	519 (2.80)	497 (4.82)	474 (5.44)	434 (11.01)	438 (7.93)
ITA	481521	1.99	471943	509 (2.58)	457 (5.82)	438 (7.11)	423 (10.61)	401 (8.72)
JPN	1240054	1.42	1222475	584 (5.99)	549 (4.39)	530 (5.20)	470 (8.92)	525 (6.45)
KOR	533504	0.31	531834	549 (3.58)	491 (5.27)	450 (14.29)	411 (16.12)	468 (10.16)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	442 (4.18)	400 (3.54)	391 (4.50)	374 (6.64)	353 (4.91)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	533 (2.33)	494 (5.53)	471 (10.68)	440 (20.04)	408 (16.94)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	515 (2.60)	457 (4.62)	424 (7.67)	422 (12.14)	450 (7.48)
PRT	96857	0.82	96058	483 (3.02)	422 (5.89)	415 (8.69)	373 (10.15)	407 (7.32)
SVK	77067	3.71	74208	528 (2.86)	484 (4.01)	474 (5.73)	439 (7.54)	427 (6.85)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (2.92)	496 (5.42)	473 (11.31)	445 (18.82)	393 (13.56)
CHE	86491	0.48	86079	532 (4.31)	475 (5.03)	450 (7.25)	405 (12.39)	410 (9.64)
TUR	481279	13.78	414937	466 (8.90)	423 (7.09)	415 (6.32)	399 (8.03)	412 (5.12)
GBR	698579	91.67	58219	521 (2.95)	490 (7.17)	464 (12.43)	416 (19.33)	. (.)
USA	3147089	2.76	3060301	504 (2.90)	467 (4.86)	439 (7.77)	415 (16.39)	416 (10.10)
TOT	.	19.76	.	514 (1.35)	477 (2.07)	464 (2.87)	433 (4.43)	431 (3.60)
AVG	.	22.13	.	518 (0.67)	478 (1.34)	460 (1.77)	426 (2.79)	424 (2.27)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	510 (4.31)	475 (4.90)	467 (6.03)	408 (9.32)	435 (6.64)
LIE	338	0.30	337	534 (4.75)	473 (16.66)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	517 (4.13)	476 (6.09)	467 (7.05)	444 (7.83)	455 (5.96)
YUG	68596	1.90	67293	460 (3.74)	428 (4.11)	427 (4.72)	402 (6.43)	397 (5.58)
THA	637076	5.83	599963	463 (4.39)	420 (2.75)	410 (3.45)	399 (5.50)	392 (10.53)
TUN	150875	33.84	99822	426 (7.82)	391 (5.00)	388 (5.28)	386 (4.96)	357 (4.96)
URY	33775	3.82	32486	464 (3.09)	420 (6.16)	416 (9.06)	386 (10.74)	375 (5.35)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Move files from one place to another on a computer.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (1.82)	497 (3.74)	461 (8.03)	415 (12.22)	433 (7.65)
AUT	85931	1.17	84927	519 (2.70)	457 (5.81)	438 (9.76)	406 (12.94)	390 (15.30)
BEL	111831	2.30	109260	546 (2.18)	496 (4.28)	484 (6.39)	413 (11.35)	411 (9.85)
CAN	330436	10.12	296990	540 (1.56)	514 (3.37)	486 (5.58)	451 (12.25)	475 (7.50)
CZE	121183	4.31	115964	538 (2.75)	489 (4.97)	459 (7.46)	409 (17.86)	439 (7.82)
DNK	51741	0.70	51378	527 (2.47)	503 (3.83)	480 (7.24)	452 (13.62)	440 (14.26)
FIN	57884	0.07	57845	556 (1.95)	538 (2.97)	521 (4.51)	489 (12.54)	507 (9.35)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	534 (3.31)	493 (4.15)	469 (7.26)	427 (13.36)	429 (9.83)
GRC	105131	2.07	102960	461 (4.81)	439 (4.53)	437 (5.84)	411 (9.72)	387 (8.88)
HUN	107044	0.17	106867	525 (3.07)	473 (3.88)	455 (6.20)	432 (7.79)	395 (10.51)
ISL	3928	0.69	3901	511 (1.52)	498 (4.99)	456 (8.33)	447 (12.61)	385 (17.84)
IRL	54850	1.31	54133	511 (2.40)	492 (3.67)	471 (4.59)	437 (8.49)	431 (7.49)
ITA	481521	1.99	471943	491 (2.57)	439 (5.87)	426 (7.22)	411 (10.80)	392 (8.24)
JPN	1240054	1.42	1222475	583 (5.42)	549 (4.08)	534 (4.89)	475 (8.40)	517 (6.27)
KOR	533504	0.31	531834	559 (3.08)	510 (5.09)	467 (12.80)	438 (13.65)	498 (7.97)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	431 (4.64)	380 (4.37)	363 (6.81)	344 (8.90)	318 (5.81)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	545 (2.06)	507 (5.39)	477 (10.33)	458 (15.28)	433 (15.38)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (2.47)	447 (4.37)	422 (6.97)	407 (10.87)	448 (7.00)
PRT	96857	0.82	96058	486 (3.21)	424 (6.47)	413 (10.52)	371 (10.82)	403 (8.88)
SVK	77067	3.71	74208	525 (2.68)	481 (3.81)	467 (5.22)	424 (8.54)	424 (5.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.43)	500 (4.34)	477 (8.71)	447 (14.65)	434 (12.62)
CHE	86491	0.48	86079	537 (3.54)	488 (4.22)	473 (6.42)	427 (10.81)	418 (9.87)
TUR	481279	13.78	414937	443 (8.66)	396 (7.09)	393 (7.40)	374 (8.45)	378 (5.93)
GBR	698579	91.67	58219	532 (2.51)	505 (5.86)	484 (11.58)	442 (16.35)	. (.)
USA	3147089	2.76	3060301	490 (2.95)	452 (4.75)	426 (7.83)	388 (14.73)	402 (8.77)
TOT	.	19.76	.	508 (1.34)	470 (2.18)	458 (3.23)	425 (4.57)	416 (3.86)
AVG	.	22.13	.	520 (0.68)	477 (1.37)	460 (1.74)	424 (2.57)	416 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	503 (4.37)	466 (4.64)	462 (7.83)	400 (11.40)	435 (6.47)
LIE	338	0.30	337	537 (4.65)	493 (16.39)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	512 (4.55)	469 (5.90)	452 (6.09)	422 (8.58)	434 (5.53)
YUG	68596	1.90	67293	445 (3.53)	412 (3.98)	414 (4.65)	398 (6.02)	372 (5.78)
THA	637076	5.83	599963	458 (4.40)	417 (2.91)	407 (5.26)	393 (5.49)	370 (13.83)
TUN	150875	33.84	99822	386 (6.02)	354 (3.95)	347 (5.03)	349 (4.50)	318 (3.54)
URY	33775	3.82	32486	442 (3.97)	389 (6.30)	377 (9.89)	348 (10.40)	331 (5.30)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Get on to the Internet.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	94.47 (0.35)	2.29 (0.19)	0.63 (0.08)	0.21 (0.04)	2.40 (0.23)
AUT	85931	1.17	84927	94.74 (0.59)	2.48 (0.30)	0.88 (0.18)	0.71 (.)	1.19 (0.24)
BEL	111831	2.30	109260	87.41 (0.63)	4.52 (0.27)	1.93 (0.20)	1.02 (0.18)	5.13 (0.54)
CAN	330436	10.12	296990	96.43 (0.20)	1.27 (0.11)	0.37 (0.05)	0.17 (0.03)	1.76 (0.14)
CZE	121183	4.31	115964	84.72 (0.76)	5.35 (0.36)	3.50 (0.29)	0.57 (.)	5.86 (0.51)
DNK	51741	0.70	51378	97.20 (0.35)	0.47 (.)	0.06 (.)	0.03 (.)	2.24 (0.32)
FIN	57884	0.07	57845	95.55 (0.33)	1.34 (0.16)	0.41 (.)	0.13 (.)	2.57 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	89.24 (0.57)	4.11 (0.33)	1.39 (0.17)	0.83 (0.16)	4.43 (0.39)
GRC	105131	2.07	102960	73.99 (1.30)	15.30 (0.91)	5.48 (0.46)	1.59 (0.21)	3.65 (0.33)
HUN	107044	0.17	106867	78.51 (0.85)	11.30 (0.49)	4.91 (0.39)	2.03 (0.27)	3.25 (0.37)
ISL	3928	0.69	3901	95.64 (0.31)	1.95 (0.24)	0.94 (0.13)	0.37 (.)	1.11 (0.19)
IRL	54850	1.31	54133	82.83 (0.85)	7.85 (0.54)	3.86 (0.34)	1.04 (0.17)	4.43 (0.37)
ITA	481521	1.99	471943	75.63 (0.94)	10.73 (0.47)	6.39 (0.45)	2.40 (0.29)	4.85 (0.43)
JPN	1240054	1.42	1222475	62.82 (1.03)	13.00 (0.57)	6.32 (0.39)	3.97 (0.36)	13.89 (0.71)
KOR	533504	0.31	531834	96.54 (0.30)	0.71 (0.12)	0.08 (.)	0.12 (.)	2.55 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	53.76 (1.75)	18.03 (0.76)	8.39 (0.68)	3.57 (0.39)	16.25 (1.39)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	94.73 (0.40)	3.24 (0.34)	1.01 (0.14)	0.34 (.)	0.70 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	80.13 (1.01)	9.89 (0.57)	4.07 (0.43)	1.52 (0.22)	4.39 (0.41)
PRT	96857	0.82	96058	84.86 (0.81)	7.97 (0.50)	2.84 (0.31)	0.81 (0.14)	3.52 (0.33)
SVK	77067	3.71	74208	56.24 (1.36)	13.34 (0.56)	12.89 (0.57)	5.12 (0.39)	12.41 (0.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	96.45 (0.32)	0.77 (0.17)	0.35 (.)	0.04 (.)	2.40 (0.23)
CHE	86491	0.48	86079	91.72 (0.61)	3.78 (0.30)	1.55 (0.33)	0.65 (0.15)	2.29 (0.22)
TUR	481279	13.78	414937	54.46 (2.16)	15.34 (0.89)	5.47 (0.56)	4.08 (0.50)	20.65 (1.39)
GBR	698579	91.67	58219	96.61 (0.29)	2.00 (0.28)	0.46 (.)	0.23 (.)	0.69 (.)
USA	3147089	2.76	3060301	92.19 (0.44)	3.03 (0.28)	1.15 (0.14)	0.52 (.)	3.10 (0.23)
TOT	.	19.76	.	81.11 (0.35)	7.28 (0.17)	3.25 (0.12)	1.60 (0.07)	6.75 (0.19)
AVG	.	22.13	.	84.09 (0.21)	6.48 (0.10)	3.07 (0.07)	1.30 (0.04)	5.06 (0.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	66.63 (1.80)	14.71 (0.85)	9.96 (1.00)	2.44 (0.32)	6.26 (0.61)
LIE	338	0.30	337	96.65 (0.91)	1.82 (.)	0.31 (.)	. (.)	1.22 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	34.52 (1.82)	20.45 (0.93)	21.43 (1.05)	10.66 (0.82)	12.95 (1.08)
YUG	68596	1.90	67293	35.46 (1.16)	21.28 (0.72)	21.07 (0.98)	6.53 (0.40)	15.66 (1.16)
THA	637076	5.83	599963	45.66 (1.64)	31.66 (1.13)	8.64 (0.67)	12.71 (1.01)	1.33 (0.26)
TUN	150875	33.84	99822	22.76 (1.32)	19.72 (0.77)	15.51 (0.70)	14.67 (1.00)	27.34 (1.38)
URY	33775	3.82	32486	59.90 (1.05)	15.46 (0.77)	8.60 (0.57)	3.85 (0.32)	12.19 (0.99)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Get on to the Internet.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.81)	435 (9.30)	406 (13.97)	382 (22.13)	406 (9.01)
AUT	85931	1.17	84927	500 (3.18)	389 (12.20)	375 (19.08)	. (.)	363 (14.59)
BEL	111831	2.30	109260	526 (2.27)	440 (7.11)	445 (12.16)	349 (24.78)	374 (12.86)
CAN	330436	10.12	296990	535 (1.55)	461 (11.59)	427 (16.08)	384 (21.00)	467 (7.42)
CZE	121183	4.31	115964	506 (2.66)	461 (7.62)	457 (8.40)	. (.)	422 (8.88)
DNK	51741	0.70	51378	495 (2.67)	. (.)	. (.)	. (.)	406 (16.24)
FIN	57884	0.07	57845	546 (1.54)	493 (12.64)	. (.)	. (.)	509 (10.51)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (3.25)	452 (8.22)	437 (13.93)	407 (16.52)	402 (10.96)
GRC	105131	2.07	102960	486 (4.24)	442 (6.58)	454 (9.42)	418 (15.84)	392 (14.40)
HUN	107044	0.17	106867	494 (2.54)	455 (5.42)	443 (6.44)	408 (8.08)	390 (12.67)
ISL	3928	0.69	3901	497 (1.56)	433 (14.58)	391 (17.06)	. (.)	325 (19.12)
IRL	54850	1.31	54133	524 (2.62)	494 (6.21)	482 (7.66)	444 (16.76)	441 (7.67)
ITA	481521	1.99	471943	494 (2.46)	444 (5.63)	436 (8.51)	398 (12.23)	397 (9.76)
JPN	1240054	1.42	1222475	520 (3.87)	477 (5.19)	479 (8.48)	399 (12.80)	462 (6.41)
KOR	533504	0.31	531834	537 (3.00)	448 (15.14)	. (.)	. (.)	461 (10.76)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (3.79)	394 (4.25)	388 (6.44)	345 (8.08)	330 (6.56)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	531 (2.33)	434 (10.95)	419 (19.13)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.52)	460 (5.52)	448 (7.86)	432 (16.12)	436 (8.24)
PRT	96857	0.82	96058	487 (3.34)	438 (8.63)	425 (11.74)	398 (18.80)	423 (8.25)
SVK	77067	3.71	74208	497 (2.67)	460 (4.97)	464 (4.53)	418 (7.30)	405 (5.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	519 (2.28)	446 (19.75)	. (.)	. (.)	402 (16.64)
CHE	86491	0.48	86079	506 (3.45)	424 (7.40)	439 (13.71)	411 (16.21)	407 (10.50)
TUR	481279	13.78	414937	468 (7.54)	423 (7.15)	416 (8.82)	398 (9.27)	419 (5.86)
GBR	698579	91.67	58219	518 (2.63)	484 (16.68)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	506 (2.79)	405 (9.80)	374 (12.76)	. (.)	421 (8.96)
TOT	.	19.76	.	507 (1.23)	435 (2.83)	428 (3.55)	386 (5.50)	409 (3.74)
AVG	.	22.13	.	510 (0.65)	444 (1.90)	441 (2.43)	397 (3.75)	409 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (4.11)	472 (5.27)	480 (6.17)	440 (12.30)	452 (6.58)
LIE	338	0.30	337	527 (3.72)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	466 (4.49)	448 (4.61)	448 (4.66)	414 (6.58)	404 (6.27)
YUG	68596	1.90	67293	433 (4.33)	411 (4.47)	421 (4.00)	393 (5.23)	367 (5.80)
THA	637076	5.83	599963	445 (4.07)	406 (3.34)	412 (4.99)	394 (5.32)	357 (10.80)
TUN	150875	33.84	99822	408 (8.49)	382 (5.23)	395 (5.09)	376 (5.14)	348 (5.17)
URY	33775	3.82	32486	465 (3.79)	421 (6.07)	409 (7.82)	370 (10.70)	353 (6.89)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Get on to the Internet.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (1.96)	446 (8.14)	413 (12.26)	412 (19.28)	430 (7.76)
AUT	85931	1.17	84927	512 (2.91)	429 (9.93)	413 (17.83)	. (.)	394 (16.57)
BEL	111831	2.30	109260	547 (2.12)	466 (5.93)	467 (11.31)	391 (23.32)	407 (10.50)
CAN	330436	10.12	296990	539 (1.60)	474 (10.03)	442 (15.81)	414 (18.10)	473 (8.05)
CZE	121183	4.31	115964	533 (3.17)	485 (7.03)	476 (8.67)	. (.)	438 (7.20)
DNK	51741	0.70	51378	517 (2.62)	. (.)	. (.)	. (.)	446 (14.15)
FIN	57884	0.07	57845	546 (1.80)	511 (11.85)	. (.)	. (.)	515 (9.11)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (3.29)	462 (6.68)	445 (13.14)	425 (16.69)	430 (9.35)
GRC	105131	2.07	102960	461 (4.02)	407 (5.30)	418 (7.82)	379 (12.37)	380 (9.41)
HUN	107044	0.17	106867	503 (2.93)	462 (4.91)	448 (6.57)	406 (9.32)	393 (9.73)
ISL	3928	0.69	3901	519 (1.44)	461 (12.73)	428 (18.02)	. (.)	400 (18.19)
IRL	54850	1.31	54133	510 (2.41)	484 (5.64)	469 (6.37)	437 (13.95)	437 (6.83)
ITA	481521	1.99	471943	484 (2.70)	428 (5.89)	420 (7.40)	390 (9.48)	398 (6.51)
JPN	1240054	1.42	1222475	552 (4.32)	516 (5.18)	514 (7.42)	445 (10.65)	508 (6.06)
KOR	533504	0.31	531834	545 (3.18)	453 (19.23)	. (.)	. (.)	482 (9.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	425 (3.52)	379 (4.02)	369 (5.19)	328 (7.19)	324 (5.91)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	532 (2.15)	451 (9.38)	448 (14.90)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (2.18)	451 (5.52)	439 (6.90)	434 (12.89)	440 (7.52)
PRT	96857	0.82	96058	476 (2.96)	421 (7.67)	401 (10.25)	382 (15.01)	409 (6.92)
SVK	77067	3.71	74208	529 (2.92)	486 (4.22)	484 (3.88)	449 (5.90)	434 (6.30)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.54)	432 (17.05)	. (.)	. (.)	419 (13.66)
CHE	86491	0.48	86079	534 (3.57)	448 (6.58)	456 (14.10)	421 (14.89)	432 (8.89)
TUR	481279	13.78	414937	460 (9.04)	400 (7.11)	391 (9.15)	379 (7.72)	395 (6.35)
GBR	698579	91.67	58219	526 (2.35)	494 (14.61)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	493 (2.64)	402 (8.29)	380 (11.70)	. (.)	403 (8.48)
TOT	.	19.76	.	505 (1.12)	436 (2.98)	429 (3.39)	397 (4.65)	417 (3.83)
AVG	.	22.13	.	515 (0.64)	444 (1.87)	442 (2.38)	406 (3.09)	419 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	498 (4.24)	462 (5.18)	463 (4.96)	425 (9.96)	438 (5.82)
LIE	338	0.30	337	537 (4.37)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	498 (5.38)	471 (5.07)	470 (4.60)	441 (6.46)	430 (5.74)
YUG	68596	1.90	67293	464 (4.42)	433 (4.47)	442 (4.24)	412 (5.53)	392 (5.63)
THA	637076	5.83	599963	447 (4.25)	400 (3.38)	403 (5.34)	389 (5.24)	356 (12.41)
TUN	150875	33.84	99822	403 (8.24)	366 (4.67)	380 (4.89)	360 (4.66)	335 (4.04)
URY	33775	3.82	32486	453 (3.70)	401 (5.04)	400 (6.73)	358 (7.25)	355 (5.47)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Get on to the Internet.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.90)	436 (9.35)	405 (12.91)	376 (24.65)	429 (8.45)
AUT	85931	1.17	84927	499 (3.06)	397 (11.80)	385 (19.05)	. (.)	385 (15.32)
BEL	111831	2.30	109260	526 (2.23)	445 (6.74)	449 (10.81)	369 (20.02)	389 (11.25)
CAN	330436	10.12	296990	526 (1.82)	455 (11.66)	432 (17.73)	397 (22.25)	458 (9.11)
CZE	121183	4.31	115964	539 (2.99)	488 (7.89)	484 (9.13)	. (.)	448 (7.28)
DNK	51741	0.70	51378	479 (2.82)	. (.)	. (.)	. (.)	375 (15.07)
FIN	57884	0.07	57845	551 (1.87)	497 (14.22)	. (.)	. (.)	507 (10.82)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (3.53)	458 (9.11)	446 (11.39)	416 (20.07)	418 (10.34)
GRC	105131	2.07	102960	496 (3.80)	445 (6.01)	455 (8.97)	410 (13.89)	420 (12.08)
HUN	107044	0.17	106867	516 (2.83)	475 (5.41)	462 (6.96)	426 (9.53)	406 (11.86)
ISL	3928	0.69	3901	499 (1.50)	435 (14.59)	389 (18.23)	. (.)	392 (18.79)
IRL	54850	1.31	54133	514 (2.69)	479 (7.09)	467 (7.70)	424 (15.98)	439 (7.49)
ITA	481521	1.99	471943	507 (2.57)	445 (6.64)	436 (9.49)	399 (12.82)	406 (8.15)
JPN	1240054	1.42	1222475	567 (4.48)	525 (5.41)	528 (8.83)	451 (12.17)	525 (6.51)
KOR	533504	0.31	531834	542 (3.48)	450 (21.27)	. (.)	. (.)	468 (10.39)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	440 (3.66)	396 (3.71)	392 (4.23)	357 (6.24)	354 (5.17)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	529 (2.35)	445 (9.65)	431 (16.85)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (2.62)	452 (6.01)	441 (7.53)	429 (15.07)	446 (7.70)
PRT	96857	0.82	96058	478 (3.10)	419 (8.04)	407 (10.74)	386 (17.08)	412 (7.07)
SVK	77067	3.71	74208	528 (3.04)	485 (4.87)	483 (4.51)	444 (6.59)	426 (6.70)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (2.74)	438 (20.20)	. (.)	. (.)	395 (14.90)
CHE	86491	0.48	86079	521 (3.93)	429 (7.96)	435 (11.53)	405 (15.51)	411 (10.65)
TUR	481279	13.78	414937	464 (8.00)	414 (6.50)	405 (8.55)	391 (8.70)	413 (5.41)
GBR	698579	91.67	58219	516 (2.79)	474 (18.88)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	501 (2.75)	412 (10.23)	386 (11.23)	. (.)	409 (10.57)
TOT	.	19.76	.	511 (1.20)	446 (3.02)	443 (3.40)	408 (4.81)	431 (3.80)
AVG	.	22.13	.	514 (0.64)	451 (1.85)	450 (2.26)	411 (3.28)	425 (2.34)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	504 (4.27)	467 (5.63)	474 (5.92)	431 (10.49)	438 (6.57)
LIE	338	0.30	337	526 (4.68)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	517 (5.15)	489 (5.06)	492 (4.95)	461 (6.76)	454 (6.87)
YUG	68596	1.90	67293	462 (4.19)	433 (4.31)	438 (3.70)	410 (5.06)	398 (5.60)
THA	637076	5.83	599963	458 (4.03)	413 (2.85)	416 (4.92)	399 (5.38)	386 (11.70)
TUN	150875	33.84	99822	421 (8.35)	391 (4.52)	403 (5.12)	390 (5.19)	358 (4.86)
URY	33775	3.82	32486	467 (3.31)	419 (6.06)	416 (6.51)	386 (8.63)	373 (5.79)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Get on to the Internet.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.74)	448 (7.75)	413 (12.29)	399 (19.86)	436 (7.68)
AUT	85931	1.17	84927	513 (2.82)	425 (9.26)	418 (15.65)	. (.)	390 (14.42)
BEL	111831	2.30	109260	541 (2.08)	466 (5.53)	467 (10.68)	404 (17.00)	414 (10.40)
CAN	330436	10.12	296990	537 (1.55)	466 (10.15)	434 (16.59)	390 (20.38)	464 (8.03)
CZE	121183	4.31	115964	533 (2.98)	484 (7.12)	477 (8.82)	. (.)	440 (7.28)
DNK	51741	0.70	51378	519 (2.38)	. (.)	. (.)	. (.)	445 (14.84)
FIN	57884	0.07	57845	550 (1.79)	505 (12.36)	. (.)	. (.)	511 (8.80)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (3.22)	473 (6.53)	452 (12.31)	426 (18.22)	432 (9.43)
GRC	105131	2.07	102960	464 (4.37)	412 (5.73)	425 (8.33)	385 (12.81)	382 (9.82)
HUN	107044	0.17	106867	515 (2.88)	472 (4.90)	459 (7.35)	416 (9.66)	398 (10.56)
ISL	3928	0.69	3901	509 (1.40)	450 (10.82)	412 (14.99)	. (.)	387 (17.54)
IRL	54850	1.31	54133	506 (2.32)	478 (6.30)	464 (6.95)	432 (15.81)	431 (6.85)
ITA	481521	1.99	471943	489 (2.53)	430 (6.15)	425 (7.89)	387 (12.57)	393 (8.56)
JPN	1240054	1.42	1222475	567 (4.30)	526 (5.05)	528 (7.93)	452 (10.54)	517 (6.36)
KOR	533504	0.31	531834	553 (3.02)	455 (16.69)	. (.)	. (.)	498 (8.14)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (4.10)	375 (5.11)	362 (7.70)	325 (7.39)	318 (5.99)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	541 (2.06)	452 (9.98)	455 (15.76)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.47)	443 (5.38)	434 (6.97)	424 (13.90)	441 (7.92)
PRT	96857	0.82	96058	480 (3.35)	427 (8.86)	403 (12.39)	382 (17.82)	404 (8.54)
SVK	77067	3.71	74208	524 (2.80)	480 (4.54)	479 (3.87)	435 (7.95)	424 (5.79)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (2.33)	428 (19.76)	. (.)	. (.)	437 (13.81)
CHE	86491	0.48	86079	529 (3.22)	448 (6.03)	457 (13.07)	416 (15.94)	416 (9.71)
TUR	481279	13.78	414937	440 (7.71)	385 (7.14)	379 (8.39)	362 (7.80)	381 (6.02)
GBR	698579	91.67	58219	528 (2.42)	497 (17.25)	. (.)	. (.)	. (.)
USA	3147089	2.76	3060301	488 (2.83)	393 (8.66)	375 (11.93)	. (.)	397 (9.56)
TOT	.	19.76	.	506 (1.20)	435 (3.15)	430 (3.89)	394 (4.88)	416 (4.07)
AVG	.	22.13	.	516 (0.63)	443 (1.97)	442 (2.40)	402 (3.17)	417 (2.64)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	499 (4.28)	458 (5.37)	458 (6.39)	418 (11.82)	436 (6.50)
LIE	338	0.30	337	531 (4.05)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (5.44)	485 (5.17)	482 (5.12)	441 (7.26)	432 (6.37)
YUG	68596	1.90	67293	444 (4.11)	416 (4.24)	428 (3.98)	405 (4.88)	373 (5.76)
THA	637076	5.83	599963	454 (3.91)	410 (3.14)	411 (4.84)	397 (5.24)	361 (14.54)
TUN	150875	33.84	99822	380 (6.37)	352 (4.32)	365 (4.46)	352 (4.49)	319 (3.50)
URY	33775	3.82	32486	444 (4.18)	390 (5.98)	388 (7.88)	346 (8.36)	330 (5.61)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy or download files from the Internet.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	83.82 (0.49)	10.05 (0.36)	2.99 (0.19)	0.54 (0.12)	2.59 (0.27)
AUT	85931	1.17	84927	85.58 (0.80)	9.31 (0.54)	2.47 (0.22)	1.32 (0.22)	1.32 (0.29)
BEL	111831	2.30	109260	74.35 (0.71)	13.60 (0.43)	4.94 (0.27)	1.81 (0.21)	5.30 (0.53)
CAN	330436	10.12	296990	89.40 (0.31)	6.16 (0.23)	1.77 (0.14)	0.43 (0.07)	2.25 (0.17)
CZE	121183	4.31	115964	69.31 (1.13)	17.88 (0.77)	5.96 (0.43)	0.97 (0.16)	5.88 (0.50)
DNK	51741	0.70	51378	66.70 (0.94)	18.29 (0.73)	10.39 (0.57)	1.53 (0.22)	3.09 (0.37)
FIN	57884	0.07	57845	65.00 (0.71)	20.49 (0.61)	10.66 (0.47)	1.24 (0.16)	2.62 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	74.11 (0.77)	14.68 (0.58)	5.22 (0.39)	1.31 (0.18)	4.68 (0.41)
GRC	105131	2.07	102960	49.56 (1.12)	30.16 (0.73)	13.17 (0.68)	2.77 (0.32)	4.35 (0.33)
HUN	107044	0.17	106867	49.55 (1.03)	29.74 (0.79)	13.52 (0.55)	3.97 (0.39)	3.21 (0.35)
ISL	3928	0.69	3901	83.76 (0.63)	10.78 (0.53)	3.18 (0.31)	1.07 (0.18)	1.20 (0.19)
IRL	54850	1.31	54133	54.47 (1.03)	24.08 (0.73)	14.21 (0.57)	2.70 (0.26)	4.54 (0.37)
ITA	481521	1.99	471943	57.53 (0.89)	21.00 (0.58)	12.78 (0.63)	3.39 (0.34)	5.30 (0.43)
JPN	1240054	1.42	1222475	38.21 (1.03)	25.33 (0.67)	15.29 (0.61)	7.54 (0.53)	13.63 (0.70)
KOR	533504	0.31	531834	94.31 (0.37)	2.53 (0.23)	0.37 (.)	0.22 (.)	2.57 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	43.54 (1.84)	25.28 (0.90)	10.40 (0.64)	4.16 (0.44)	16.62 (1.41)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	81.74 (0.60)	12.57 (0.54)	3.89 (0.32)	1.02 (0.20)	0.78 (0.13)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	63.56 (1.30)	21.07 (0.77)	8.46 (0.60)	2.50 (0.28)	4.40 (0.40)
PRT	96857	0.82	96058	51.85 (1.17)	28.11 (0.78)	11.71 (0.66)	4.56 (0.32)	3.76 (0.35)
SVK	77067	3.73	74195	40.45 (1.34)	23.32 (0.61)	17.83 (0.72)	5.86 (0.40)	12.54 (0.97)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	81.37 (0.79)	11.35 (0.57)	3.54 (0.28)	0.78 (0.15)	2.96 (0.27)
CHE	86491	0.48	86079	76.48 (1.02)	13.92 (0.82)	5.45 (0.40)	1.46 (0.20)	2.69 (0.25)
TUR	481279	13.78	414937	37.56 (1.74)	25.21 (1.01)	8.58 (0.50)	6.55 (0.56)	22.09 (1.50)
GBR	698579	91.67	58219	76.78 (0.96)	16.41 (0.84)	5.05 (0.47)	0.93 (.)	0.83 (.)
USA	3147089	2.76	3060301	82.82 (0.59)	10.10 (0.43)	2.95 (0.27)	0.98 (0.13)	3.15 (0.23)
TOT	.	19.76	.	67.22 (0.37)	16.24 (0.21)	6.94 (0.17)	2.67 (0.10)	6.92 (0.19)
AVG	.	22.13	.	66.68 (0.22)	17.67 (0.14)	7.90 (0.11)	2.42 (0.06)	5.33 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	42.95 (1.28)	28.29 (0.80)	17.56 (0.85)	4.58 (0.44)	6.62 (0.61)
LIE	338	0.30	337	89.71 (1.80)	6.63 (.)	0.92 (.)	1.22 (.)	1.52 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	27.40 (1.61)	21.91 (0.96)	24.90 (1.07)	12.33 (0.86)	13.47 (1.11)
YUG	68596	1.90	67293	29.49 (1.14)	24.13 (0.76)	22.76 (1.02)	8.20 (0.48)	15.42 (1.16)
THA	637076	5.83	599963	20.55 (1.15)	39.75 (1.18)	17.71 (0.78)	20.59 (1.12)	1.40 (0.26)
TUN	150875	33.84	99822	17.61 (1.04)	21.56 (0.73)	16.31 (0.79)	16.64 (0.92)	27.88 (1.42)
URY	33775	3.82	32486	49.24 (1.04)	21.95 (0.92)	11.22 (0.76)	4.99 (0.38)	12.59 (1.02)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy or download files from the Internet.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.95)	518 (4.15)	485 (7.21)	425 (19.39)	408 (9.65)
AUT	85931	1.17	84927	503 (3.32)	456 (6.44)	437 (9.58)	378 (15.09)	362 (14.86)
BEL	111831	2.30	109260	530 (2.52)	491 (4.20)	474 (6.94)	396 (17.74)	374 (12.46)
CAN	330436	10.12	296990	535 (1.55)	521 (4.55)	500 (8.51)	427 (15.21)	479 (8.44)
CZE	121183	4.31	115964	506 (2.87)	491 (3.86)	478 (6.32)	440 (14.63)	422 (9.23)
DNK	51741	0.70	51378	494 (2.79)	497 (3.99)	501 (4.69)	463 (13.64)	423 (14.06)
FIN	57884	0.07	57845	543 (1.75)	548 (3.02)	556 (3.48)	484 (15.34)	507 (9.83)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (3.32)	492 (5.48)	475 (8.74)	444 (13.14)	402 (11.79)
GRC	105131	2.07	102960	486 (4.46)	469 (5.12)	469 (5.76)	407 (10.35)	404 (13.31)
HUN	107044	0.17	106867	500 (3.11)	476 (3.17)	469 (4.21)	423 (7.10)	391 (12.28)
ISL	3928	0.69	3901	496 (1.64)	496 (5.64)	471 (10.36)	429 (16.78)	331 (18.81)
IRL	54850	1.31	54133	525 (2.80)	516 (4.07)	509 (4.27)	463 (10.24)	442 (8.25)
ITA	481521	1.99	471943	493 (2.95)	474 (4.09)	465 (5.28)	412 (11.14)	395 (9.21)
JPN	1240054	1.42	1222475	527 (4.31)	502 (4.58)	494 (5.65)	427 (8.83)	462 (6.32)
KOR	533504	0.31	531834	538 (2.97)	491 (10.36)	. (.)	. (.)	457 (11.12)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	447 (4.42)	402 (4.19)	400 (5.42)	361 (8.50)	330 (6.51)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	531 (2.37)	514 (5.67)	486 (10.64)	432 (15.37)	412 (19.32)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.70)	487 (4.55)	482 (6.13)	438 (10.77)	441 (7.73)
PRT	96857	0.82	96058	492 (4.02)	468 (5.02)	475 (5.60)	439 (5.88)	416 (8.73)
SVK	77067	3.73	74195	496 (3.18)	481 (3.73)	471 (4.41)	423 (6.61)	405 (5.77)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	518 (2.34)	527 (5.05)	510 (10.78)	478 (18.36)	409 (13.97)
CHE	86491	0.48	86079	511 (2.99)	474 (5.70)	467 (6.87)	426 (11.40)	406 (11.68)
TUR	481279	13.78	414937	475 (9.12)	437 (6.64)	441 (7.52)	404 (6.56)	417 (5.37)
GBR	698579	91.67	58219	520 (2.85)	509 (5.14)	510 (7.24)	. (.)	. (.)
USA	3147089	2.76	3060301	508 (2.85)	466 (5.84)	438 (10.81)	406 (13.67)	426 (9.53)
TOT	.	19.76	.	509 (1.30)	470 (2.08)	463 (2.76)	412 (4.13)	409 (3.71)
AVG	.	22.13	.	512 (0.66)	484 (1.27)	479 (1.44)	422 (2.53)	410 (2.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	499 (4.64)	491 (5.21)	495 (5.55)	463 (11.02)	448 (6.21)
LIE	338	0.30	337	529 (3.98)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	469 (4.53)	448 (5.44)	452 (4.33)	419 (6.10)	404 (6.16)
YUG	68596	1.90	67293	433 (4.76)	414 (4.05)	423 (3.78)	393 (4.99)	367 (5.90)
THA	637076	5.83	599963	458 (6.03)	420 (3.65)	414 (3.50)	403 (3.70)	372 (11.41)
TUN	150875	33.84	99822	404 (8.41)	391 (5.32)	390 (5.46)	381 (4.83)	349 (5.43)
URY	33775	3.82	32486	471 (4.20)	426 (4.61)	424 (8.13)	376 (8.09)	354 (7.18)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy or download files from the Internet.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (2.04)	511 (3.86)	477 (6.00)	437 (13.18)	431 (7.92)
AUT	85931	1.17	84927	516 (3.01)	474 (5.83)	459 (7.59)	417 (15.87)	389 (14.40)
BEL	111831	2.30	109260	553 (2.28)	505 (3.90)	490 (6.11)	425 (16.61)	407 (10.10)
CAN	330436	10.12	296990	540 (1.64)	514 (3.99)	491 (7.70)	436 (14.90)	485 (8.76)
CZE	121183	4.31	115964	537 (3.34)	507 (4.20)	496 (5.68)	450 (14.27)	439 (7.35)
DNK	51741	0.70	51378	521 (2.90)	511 (4.14)	504 (4.75)	466 (13.32)	455 (11.22)
FIN	57884	0.07	57845	551 (2.09)	534 (3.03)	539 (3.89)	492 (13.72)	514 (8.56)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.33)	493 (5.11)	474 (7.24)	441 (12.17)	432 (9.69)
GRC	105131	2.07	102960	466 (4.32)	432 (4.59)	437 (4.29)	385 (10.10)	386 (8.42)
HUN	107044	0.17	106867	516 (3.47)	478 (3.24)	465 (3.92)	421 (6.87)	397 (10.02)
ISL	3928	0.69	3901	520 (1.65)	505 (4.62)	492 (9.37)	460 (16.29)	406 (18.43)
IRL	54850	1.31	54133	515 (2.68)	500 (3.69)	491 (3.89)	459 (8.73)	439 (7.18)
ITA	481521	1.99	471943	487 (2.94)	456 (4.04)	442 (5.26)	400 (10.01)	397 (6.51)
JPN	1240054	1.42	1222475	560 (4.71)	535 (4.75)	527 (4.99)	472 (7.58)	508 (6.01)
KOR	533504	0.31	531834	546 (3.18)	486 (9.96)	. (.)	. (.)	480 (9.53)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (3.83)	384 (3.77)	381 (5.16)	344 (6.79)	324 (6.01)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	534 (2.13)	508 (4.73)	486 (8.71)	424 (15.35)	422 (18.69)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.21)	473 (4.22)	466 (5.49)	430 (9.05)	442 (6.89)
PRT	96857	0.82	96058	488 (3.60)	450 (4.40)	449 (4.66)	416 (6.24)	405 (6.62)
SVK	77067	3.73	74195	533 (3.29)	505 (3.55)	491 (3.48)	452 (4.84)	435 (6.48)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.68)	510 (4.17)	488 (10.40)	457 (16.64)	422 (11.80)
CHE	86491	0.48	86079	541 (3.42)	495 (4.49)	483 (6.46)	428 (9.83)	429 (9.33)
TUR	481279	13.78	414937	470 (11.09)	416 (7.29)	420 (7.36)	392 (6.95)	392 (5.89)
GBR	698579	91.67	58219	529 (2.58)	514 (4.85)	515 (6.56)	. (.)	. (.)
USA	3147089	2.76	3060301	495 (2.74)	450 (4.48)	432 (9.56)	403 (13.83)	407 (8.75)
TOT	.	19.76	.	508 (1.20)	467 (2.01)	464 (2.66)	423 (4.12)	417 (3.78)
AVG	.	22.13	.	520 (0.67)	480 (1.17)	474 (1.34)	427 (2.58)	419 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (4.61)	480 (5.13)	478 (4.37)	445 (8.52)	436 (5.68)
LIE	338	0.30	337	540 (4.36)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	500 (5.44)	474 (6.01)	474 (4.43)	444 (6.17)	431 (5.64)
YUG	68596	1.90	67293	464 (4.73)	436 (4.37)	446 (4.04)	413 (5.47)	393 (5.66)
THA	637076	5.83	599963	465 (6.23)	415 (3.40)	409 (3.84)	397 (4.06)	369 (10.93)
TUN	150875	33.84	99822	399 (8.33)	379 (4.70)	377 (5.83)	359 (4.16)	337 (4.08)
URY	33775	3.82	32486	459 (3.84)	411 (4.57)	403 (6.95)	368 (5.99)	354 (5.39)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy or download files from the Internet.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.98)	511 (4.59)	475 (6.32)	428 (21.03)	429 (9.65)
AUT	85931	1.17	84927	502 (3.21)	454 (6.33)	436 (8.46)	397 (13.15)	378 (15.50)
BEL	111831	2.30	109260	531 (2.47)	485 (4.63)	472 (5.91)	403 (15.48)	388 (10.90)
CAN	330436	10.12	296990	527 (1.81)	506 (4.95)	485 (8.78)	421 (16.59)	469 (9.73)
CZE	121183	4.31	115964	542 (3.18)	515 (4.77)	503 (6.07)	462 (16.42)	448 (7.42)
DNK	51741	0.70	51378	484 (3.23)	468 (4.42)	465 (5.78)	431 (14.41)	391 (12.64)
FIN	57884	0.07	57845	554 (2.09)	540 (3.50)	546 (4.16)	484 (14.68)	505 (9.89)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.57)	491 (5.52)	475 (9.26)	449 (14.97)	420 (11.13)
GRC	105131	2.07	102960	501 (4.11)	469 (4.59)	470 (5.77)	415 (9.46)	429 (10.43)
HUN	107044	0.17	106867	528 (3.38)	493 (3.31)	480 (4.94)	431 (8.52)	406 (11.97)
ISL	3928	0.69	3901	501 (1.67)	480 (5.78)	459 (10.25)	420 (14.28)	397 (17.77)
IRL	54850	1.31	54133	519 (2.87)	501 (4.10)	492 (4.27)	443 (9.96)	440 (7.77)
ITA	481521	1.99	471943	510 (2.98)	478 (4.26)	462 (5.72)	419 (11.59)	404 (7.83)
JPN	1240054	1.42	1222475	575 (4.90)	548 (4.93)	538 (5.64)	477 (8.46)	525 (6.47)
KOR	533504	0.31	531834	543 (3.48)	476 (11.60)	. (.)	. (.)	466 (10.65)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	444 (4.11)	401 (3.48)	404 (4.15)	368 (7.10)	355 (4.93)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	532 (2.31)	505 (4.81)	479 (9.32)	418 (16.83)	412 (18.89)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	515 (2.80)	480 (4.38)	471 (6.76)	434 (9.91)	448 (7.18)
PRT	96857	0.82	96058	490 (3.70)	453 (4.66)	452 (5.09)	418 (6.87)	405 (6.99)
SVK	77067	3.73	74195	531 (3.42)	504 (4.09)	489 (4.41)	446 (6.50)	427 (6.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (2.76)	513 (5.36)	495 (11.36)	459 (20.53)	399 (12.98)
CHE	86491	0.48	86079	528 (3.63)	481 (5.75)	466 (6.56)	403 (14.75)	409 (11.66)
TUR	481279	13.78	414937	473 (9.74)	426 (6.65)	430 (7.41)	397 (6.67)	412 (5.16)
GBR	698579	91.67	58219	521 (3.10)	496 (5.52)	496 (8.42)	. (.)	. (.)
USA	3147089	2.76	3060301	504 (2.79)	459 (5.70)	437 (9.51)	420 (14.33)	413 (10.99)
TOT	.	19.76	.	514 (1.27)	477 (2.11)	474 (2.64)	433 (4.09)	431 (3.71)
AVG	.	22.13	.	519 (0.65)	484 (1.17)	478 (1.35)	429 (2.59)	425 (2.29)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	506 (4.40)	488 (5.80)	483 (5.92)	451 (9.91)	436 (6.25)
LIE	338	0.30	337	531 (4.99)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	521 (5.25)	490 (5.43)	496 (4.41)	464 (6.66)	455 (6.35)
YUG	68596	1.90	67293	464 (4.49)	435 (4.02)	442 (3.57)	411 (4.85)	398 (5.69)
THA	637076	5.83	599963	476 (5.87)	428 (3.30)	420 (3.24)	408 (3.64)	397 (12.94)
TUN	150875	33.84	99822	416 (7.72)	401 (4.90)	401 (5.83)	392 (4.23)	359 (4.73)
URY	33775	3.82	32486	472 (3.65)	427 (4.55)	424 (7.18)	391 (8.26)	374 (5.62)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Copy or download files from the Internet.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (1.78)	516 (4.15)	484 (6.26)	437 (15.04)	436 (8.50)
AUT	85931	1.17	84927	516 (2.90)	472 (5.90)	459 (8.95)	412 (15.29)	395 (13.76)
BEL	111831	2.30	109260	546 (2.30)	504 (3.60)	489 (5.67)	429 (13.46)	414 (10.17)
CAN	330436	10.12	296990	538 (1.58)	512 (3.74)	486 (7.89)	424 (13.03)	475 (8.73)
CZE	121183	4.31	115964	537 (3.13)	508 (4.13)	493 (6.01)	446 (14.18)	441 (7.49)
DNK	51741	0.70	51378	523 (2.53)	514 (3.99)	510 (4.91)	468 (13.63)	455 (12.41)
FIN	57884	0.07	57845	553 (2.08)	540 (3.21)	547 (3.76)	492 (12.87)	508 (8.85)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	531 (3.34)	504 (4.77)	486 (7.20)	454 (11.95)	433 (9.90)
GRC	105131	2.07	102960	468 (4.78)	438 (4.59)	441 (5.04)	388 (10.58)	389 (7.66)
HUN	107044	0.17	106867	525 (3.45)	491 (3.19)	478 (3.92)	432 (7.50)	402 (10.98)
ISL	3928	0.69	3901	509 (1.50)	499 (5.20)	479 (8.97)	449 (15.35)	391 (17.11)
IRL	54850	1.31	54133	510 (2.45)	496 (3.87)	487 (3.89)	451 (8.57)	434 (7.06)
ITA	481521	1.99	471943	491 (2.94)	463 (3.90)	450 (5.80)	402 (11.53)	390 (8.12)
JPN	1240054	1.42	1222475	575 (4.59)	548 (4.77)	540 (5.48)	480 (7.92)	517 (6.25)
KOR	533504	0.31	531834	554 (3.02)	495 (9.31)	. (.)	. (.)	497 (8.40)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	434 (4.55)	383 (4.37)	375 (7.22)	340 (5.97)	319 (6.05)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.82	46780	543 (2.07)	519 (5.17)	495 (9.16)	438 (13.94)	436 (19.12)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (2.61)	469 (4.38)	461 (5.61)	424 (8.68)	444 (7.01)
PRT	96857	0.82	96058	491 (4.05)	456 (5.36)	454 (5.00)	420 (6.73)	401 (8.29)
SVK	77067	3.73	74195	527 (3.25)	500 (3.22)	486 (3.60)	440 (5.89)	424 (6.07)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.40)	511 (4.55)	490 (11.37)	454 (15.82)	437 (11.61)
CHE	86491	0.48	86079	535 (3.01)	493 (4.63)	486 (5.87)	424 (12.34)	417 (10.01)
TUR	481279	13.78	414937	450 (9.61)	400 (6.27)	405 (6.59)	372 (7.05)	379 (5.64)
GBR	698579	91.67	58219	530 (2.66)	517 (4.68)	519 (7.97)	. (.)	. (.)
USA	3147089	2.76	3060301	490 (2.85)	446 (4.52)	425 (11.11)	394 (15.38)	402 (9.92)
TOT	.	19.76	.	508 (1.24)	469 (2.23)	467 (3.00)	423 (4.56)	415 (4.00)
AVG	.	22.13	.	521 (0.64)	482 (1.27)	476 (1.49)	425 (2.75)	417 (2.53)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (4.96)	478 (5.47)	475 (5.36)	445 (11.64)	432 (6.01)
LIE	338	0.30	337	535 (4.10)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	516 (5.56)	487 (6.24)	486 (4.73)	445 (6.76)	433 (6.01)
YUG	68596	1.90	67293	444 (4.49)	420 (4.08)	430 (3.78)	406 (4.65)	373 (5.80)
THA	637076	5.83	599963	472 (5.78)	424 (3.26)	416 (3.84)	405 (4.27)	377 (13.60)
TUN	150875	33.84	99822	377 (6.77)	362 (4.06)	363 (4.82)	353 (3.87)	320 (3.62)
URY	33775	3.82	32486	450 (4.39)	401 (4.86)	396 (8.89)	354 (7.77)	329 (5.68)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Attach a file to an e-mail message.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	73.50 (0.66)	16.31 (0.45)	5.74 (0.32)	1.59 (0.18)	2.86 (0.28)
AUT	85931	1.17	84927	66.58 (1.23)	20.33 (0.92)	8.87 (0.46)	2.87 (0.28)	1.34 (0.28)
BEL	111831	2.30	109260	65.21 (0.74)	17.90 (0.52)	7.80 (0.34)	3.80 (0.28)	5.29 (0.53)
CAN	330436	10.12	296990	79.29 (0.46)	12.24 (0.41)	4.56 (0.19)	1.25 (0.10)	2.65 (0.18)
CZE	121183	4.31	115964	56.78 (1.09)	24.13 (0.69)	10.15 (0.55)	2.68 (0.24)	6.26 (0.51)
DNK	51741	0.70	51378	61.93 (0.98)	21.67 (0.79)	10.50 (0.59)	2.84 (0.32)	3.06 (0.34)
FIN	57884	0.07	57845	56.32 (0.81)	27.13 (0.72)	11.52 (0.50)	2.30 (0.24)	2.73 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	59.16 (0.94)	22.00 (0.66)	11.03 (0.48)	2.98 (0.23)	4.84 (0.43)
GRC	105131	2.07	102960	34.33 (1.21)	32.43 (0.69)	18.87 (0.80)	10.47 (0.64)	3.90 (0.33)
HUN	107044	0.17	106867	33.96 (1.05)	35.11 (0.88)	19.59 (0.74)	7.96 (0.45)	3.39 (0.33)
ISL	3928	0.69	3901	76.84 (0.60)	14.14 (0.57)	5.47 (0.36)	2.15 (0.25)	1.40 (0.20)
IRL	54850	1.31	54133	33.95 (1.01)	28.95 (0.86)	24.60 (0.68)	7.95 (0.46)	4.55 (0.42)
ITA	481521	1.99	471943	39.10 (0.83)	25.96 (0.59)	21.34 (0.64)	8.21 (0.45)	5.39 (0.43)
JPN	1240054	1.42	1222475	32.48 (1.08)	23.44 (0.68)	19.58 (0.63)	10.71 (0.57)	13.79 (0.71)
KOR	533504	0.31	531834	93.13 (0.37)	3.25 (0.25)	0.55 (.)	0.41 (.)	2.66 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	32.23 (1.49)	30.05 (0.80)	14.68 (0.80)	6.21 (0.49)	16.83 (1.41)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	70.29 (0.86)	19.03 (0.64)	7.66 (0.49)	2.17 (0.26)	0.85 (0.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	48.35 (1.20)	27.64 (0.75)	14.38 (0.67)	5.18 (0.37)	4.45 (0.42)
PRT	96857	0.82	96058	49.89 (1.21)	27.90 (0.83)	13.88 (0.67)	4.54 (0.34)	3.78 (0.36)
SVK	77067	3.73	74195	23.39 (0.96)	25.38 (0.68)	26.03 (0.89)	12.16 (0.47)	13.04 (0.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	71.57 (0.81)	17.04 (0.62)	5.86 (0.39)	2.11 (0.21)	3.42 (0.30)
CHE	86491	0.48	86079	60.66 (1.05)	21.71 (0.62)	10.29 (0.48)	4.74 (0.70)	2.59 (0.24)
TUR	481279	13.78	414937	30.34 (1.41)	27.38 (1.03)	11.00 (0.48)	8.93 (0.56)	22.35 (1.49)
GBR	698579	91.67	58219	69.23 (1.13)	19.71 (0.86)	7.81 (0.60)	2.37 (0.26)	0.88 (.)
USA	3147089	2.76	3060301	71.63 (0.86)	16.92 (0.65)	6.08 (0.38)	1.88 (0.22)	3.50 (0.22)
TOT	.	19.76	.	56.47 (0.41)	20.91 (0.28)	10.91 (0.18)	4.57 (0.12)	7.14 (0.19)
AVG	.	22.13	.	55.27 (0.22)	22.38 (0.14)	12.08 (0.13)	4.81 (0.08)	5.46 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	31.74 (1.50)	31.55 (0.90)	22.23 (1.03)	7.74 (0.59)	6.74 (0.61)
LIE	338	0.30	337	81.24 (2.02)	10.84 (1.72)	4.26 (.)	1.83 (.)	1.82 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	17.57 (1.12)	23.53 (1.02)	27.18 (1.00)	18.21 (0.85)	13.51 (1.11)
YUG	68596	1.90	67293	23.48 (1.01)	26.85 (0.82)	24.43 (0.97)	9.56 (0.50)	15.68 (1.18)
THA	637076	5.83	599963	13.63 (0.99)	38.42 (1.03)	21.18 (0.74)	25.10 (1.13)	1.67 (0.28)
TUN	150875	33.84	99822	14.26 (0.85)	21.62 (0.90)	17.77 (0.63)	18.75 (0.90)	27.59 (1.37)
URY	33775	3.82	32486	38.05 (1.02)	25.14 (0.66)	14.89 (0.82)	8.29 (0.58)	13.62 (1.02)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Attach a file to an e-mail message.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (2.08)	515 (3.27)	510 (4.71)	468 (9.09)	417 (9.25)
AUT	85931	1.17	84927	507 (3.80)	476 (4.85)	475 (5.46)	423 (11.95)	377 (13.84)
BEL	111831	2.30	109260	533 (2.46)	495 (4.26)	494 (4.83)	439 (13.32)	372 (12.22)
CAN	330436	10.12	296990	537 (1.52)	523 (3.07)	519 (4.69)	471 (8.09)	481 (6.00)
CZE	121183	4.31	115964	508 (3.30)	491 (3.46)	487 (4.85)	478 (9.19)	426 (9.04)
DNK	51741	0.70	51378	497 (2.82)	493 (3.69)	495 (5.14)	482 (12.31)	418 (14.16)
FIN	57884	0.07	57845	545 (1.94)	546 (2.49)	548 (3.76)	497 (9.69)	507 (9.65)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (3.58)	500 (4.49)	491 (5.62)	457 (9.28)	405 (10.79)
GRC	105131	2.07	102960	486 (5.47)	470 (4.64)	479 (5.04)	460 (6.57)	390 (13.16)
HUN	107044	0.17	106867	509 (3.97)	478 (2.92)	471 (3.69)	450 (6.77)	394 (11.64)
ISL	3928	0.69	3901	494 (1.75)	503 (6.11)	487 (8.13)	467 (12.28)	360 (19.95)
IRL	54850	1.31	54133	527 (3.74)	517 (3.42)	520 (3.06)	487 (6.07)	439 (8.27)
ITA	481521	1.99	471943	494 (3.27)	474 (3.60)	479 (4.30)	460 (6.08)	399 (8.85)
JPN	1240054	1.42	1222475	532 (4.14)	500 (4.97)	500 (4.42)	446 (7.46)	462 (6.27)
KOR	533504	0.31	531834	539 (2.93)	490 (7.43)	. (.)	. (.)	460 (10.78)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	448 (4.83)	414 (3.59)	406 (5.30)	381 (6.93)	333 (6.47)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	534 (2.39)	514 (4.92)	507 (7.70)	449 (11.21)	418 (18.55)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.99)	493 (3.88)	498 (4.81)	465 (9.07)	443 (7.83)
PRT	96857	0.82	96058	494 (3.91)	463 (5.00)	482 (5.01)	442 (7.38)	419 (8.16)
SVK	77067	3.73	74195	503 (3.98)	482 (3.80)	479 (2.98)	452 (4.02)	406 (5.76)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	521 (2.60)	513 (4.16)	502 (6.95)	486 (10.25)	428 (15.39)
CHE	86491	0.48	86079	515 (3.16)	485 (3.92)	482 (5.76)	446 (9.21)	416 (11.97)
TUR	481279	13.78	414937	474 (9.84)	444 (6.82)	447 (6.68)	416 (6.14)	418 (5.42)
GBR	698579	91.67	58219	522 (3.02)	508 (4.14)	511 (7.15)	464 (11.07)	. (.)
USA	3147089	2.76	3060301	507 (2.81)	492 (5.16)	472 (6.92)	419 (9.71)	430 (7.91)
TOT	.	19.76	.	511 (1.32)	480 (1.91)	476 (2.13)	436 (2.96)	411 (3.52)
AVG	.	22.13	.	515 (0.69)	488 (1.10)	487 (1.23)	451 (1.96)	412 (2.49)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (4.75)	489 (4.82)	501 (5.00)	464 (7.76)	454 (6.63)
LIE	338	0.30	337	530 (4.02)	508 (14.97)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	468 (4.99)	451 (5.37)	452 (4.99)	432 (5.47)	405 (6.16)
YUG	68596	1.90	67293	430 (4.90)	420 (4.11)	424 (3.64)	398 (5.01)	368 (5.89)
THA	637076	5.83	599963	457 (6.49)	424 (3.67)	417 (3.27)	408 (3.50)	372 (12.38)
TUN	150875	33.84	99822	402 (7.67)	387 (6.04)	395 (5.27)	387 (4.50)	348 (5.33)
URY	33775	3.82	32486	476 (5.05)	434 (4.56)	432 (6.86)	397 (6.33)	359 (6.73)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Attach a file to an e-mail message.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (2.10)	507 (3.49)	501 (4.87)	463 (7.54)	438 (7.26)
AUT	85931	1.17	84927	520 (3.54)	489 (4.05)	486 (3.97)	453 (10.69)	400 (13.47)
BEL	111831	2.30	109260	557 (2.34)	510 (3.67)	511 (4.68)	463 (12.17)	406 (9.92)
CAN	330436	10.12	296990	543 (1.58)	520 (2.99)	514 (4.46)	476 (7.11)	486 (6.49)
CZE	121183	4.31	115964	541 (3.79)	512 (3.58)	500 (4.41)	494 (11.11)	440 (7.42)
DNK	51741	0.70	51378	523 (3.03)	507 (3.97)	507 (4.53)	484 (11.17)	450 (11.30)
FIN	57884	0.07	57845	552 (2.38)	539 (2.37)	538 (3.65)	495 (9.85)	514 (8.84)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (3.65)	503 (3.97)	489 (5.16)	456 (8.35)	434 (9.27)
GRC	105131	2.07	102960	467 (4.96)	437 (4.60)	446 (4.35)	434 (5.95)	379 (8.02)
HUN	107044	0.17	106867	527 (4.24)	483 (3.18)	471 (3.39)	450 (5.60)	398 (9.57)
ISL	3928	0.69	3901	519 (1.67)	516 (4.62)	498 (6.84)	478 (9.58)	422 (17.02)
IRL	54850	1.31	54133	518 (3.33)	501 (3.46)	503 (3.01)	478 (5.50)	438 (6.88)
ITA	481521	1.99	471943	492 (3.52)	460 (3.22)	458 (3.85)	442 (6.40)	398 (7.52)
JPN	1240054	1.42	1222475	562 (4.58)	535 (5.12)	534 (4.36)	486 (6.77)	508 (5.97)
KOR	533504	0.31	531834	547 (3.14)	497 (8.82)	. (.)	. (.)	483 (9.15)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (4.42)	397 (3.64)	386 (4.74)	365 (6.30)	326 (5.92)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	537 (2.19)	512 (4.29)	506 (6.81)	452 (11.15)	425 (14.97)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.47)	481 (3.46)	481 (4.78)	452 (6.92)	445 (7.11)
PRT	96857	0.82	96058	487 (3.61)	449 (4.36)	459 (4.67)	421 (7.58)	405 (6.61)
SVK	77067	3.73	74195	542 (3.97)	511 (3.55)	502 (2.79)	476 (3.61)	435 (6.34)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	517 (2.77)	504 (3.93)	484 (6.70)	479 (9.90)	436 (13.25)
CHE	86491	0.48	86079	548 (3.78)	507 (4.00)	496 (4.73)	464 (6.30)	432 (8.32)
TUR	481279	13.78	414937	468 (11.62)	426 (8.19)	433 (6.55)	403 (6.51)	393 (6.00)
GBR	698579	91.67	58219	530 (2.81)	516 (4.40)	516 (6.20)	474 (10.96)	. (.)
USA	3147089	2.76	3060301	495 (2.73)	477 (4.60)	460 (5.01)	411 (9.46)	410 (7.66)
TOT	.	19.76	.	511 (1.24)	476 (1.86)	475 (2.12)	442 (3.01)	418 (3.63)
AVG	.	22.13	.	524 (0.71)	487 (1.03)	484 (1.16)	453 (1.84)	421 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	500 (5.17)	483 (4.81)	485 (4.26)	452 (6.90)	442 (5.17)
LIE	338	0.30	337	544 (4.56)	495 (11.60)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	503 (5.45)	480 (5.61)	474 (4.85)	456 (6.02)	433 (5.59)
YUG	68596	1.90	67293	463 (5.12)	441 (4.20)	446 (3.94)	420 (5.36)	394 (5.65)
THA	637076	5.83	599963	463 (7.05)	420 (3.88)	412 (3.35)	405 (3.69)	369 (11.10)
TUN	150875	33.84	99822	399 (8.03)	373 (5.45)	383 (5.47)	366 (4.08)	337 (4.07)
URY	33775	3.82	32486	466 (4.18)	417 (4.01)	415 (5.27)	385 (5.79)	356 (5.13)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Attach a file to an e-mail message.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (2.12)	508 (3.58)	503 (4.84)	463 (9.59)	434 (8.85)
AUT	85931	1.17	84927	507 (3.66)	472 (4.56)	469 (4.75)	428 (12.30)	394 (14.26)
BEL	111831	2.30	109260	534 (2.50)	492 (4.00)	492 (4.88)	446 (11.53)	387 (10.74)
CAN	330436	10.12	296990	529 (1.76)	510 (3.81)	506 (5.11)	466 (8.33)	470 (7.04)
CZE	121183	4.31	115964	545 (3.71)	520 (3.66)	512 (4.80)	503 (10.27)	449 (7.62)
DNK	51741	0.70	51378	487 (3.11)	466 (4.61)	467 (5.70)	446 (13.81)	385 (12.91)
FIN	57884	0.07	57845	556 (2.35)	543 (2.87)	545 (4.54)	494 (10.55)	503 (9.74)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (3.74)	503 (4.87)	489 (5.69)	462 (9.60)	422 (10.72)
GRC	105131	2.07	102960	502 (4.96)	475 (4.37)	478 (4.70)	466 (6.97)	420 (10.63)
HUN	107044	0.17	106867	538 (4.28)	498 (3.09)	485 (3.85)	463 (6.87)	411 (10.82)
ISL	3928	0.69	3901	500 (1.81)	491 (5.77)	474 (8.05)	451 (11.70)	413 (18.60)
IRL	54850	1.31	54133	522 (3.67)	505 (3.88)	505 (3.23)	471 (5.73)	440 (7.75)
ITA	481521	1.99	471943	515 (3.53)	482 (4.08)	478 (4.72)	462 (7.17)	406 (7.84)
JPN	1240054	1.42	1222475	578 (4.86)	547 (5.34)	547 (5.19)	496 (7.30)	525 (6.39)
KOR	533504	0.31	531834	543 (3.43)	491 (10.32)	. (.)	. (.)	469 (10.14)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	445 (4.63)	412 (3.46)	408 (3.83)	386 (5.30)	356 (4.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	535 (2.39)	508 (4.93)	502 (7.77)	449 (11.45)	420 (15.38)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	518 (3.18)	487 (4.24)	488 (5.04)	455 (8.52)	451 (7.42)
PRT	96857	0.82	96058	489 (3.63)	449 (4.68)	463 (5.02)	423 (7.58)	409 (6.95)
SVK	77067	3.73	74195	539 (4.13)	512 (4.01)	500 (3.09)	473 (4.05)	429 (6.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.86)	505 (4.66)	490 (8.54)	477 (11.84)	419 (15.55)
CHE	86491	0.48	86079	535 (3.84)	493 (4.12)	485 (5.78)	440 (11.32)	414 (9.35)
TUR	481279	13.78	414937	473 (10.40)	435 (7.13)	438 (6.51)	409 (6.24)	413 (5.19)
GBR	698579	91.67	58219	523 (3.21)	500 (5.00)	502 (7.39)	443 (12.53)	. (.)
USA	3147089	2.76	3060301	503 (2.77)	486 (5.15)	467 (5.92)	426 (9.32)	418 (9.04)
TOT	.	19.76	.	516 (1.31)	485 (1.94)	485 (2.10)	452 (3.05)	432 (3.48)
AVG	.	22.13	.	521 (0.70)	490 (1.04)	488 (1.17)	456 (1.79)	427 (2.20)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	507 (4.94)	490 (5.15)	491 (4.61)	455 (7.58)	440 (5.76)
LIE	338	0.30	337	533 (4.99)	487 (13.78)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	523 (5.67)	497 (5.81)	497 (5.11)	474 (5.90)	456 (6.19)
YUG	68596	1.90	67293	461 (4.88)	442 (4.25)	444 (3.59)	415 (5.00)	399 (5.62)
THA	637076	5.83	599963	473 (6.64)	433 (3.46)	424 (3.09)	416 (3.49)	392 (12.20)
TUN	150875	33.84	99822	415 (7.70)	400 (5.20)	404 (6.10)	395 (4.45)	359 (4.75)
URY	33775	3.82	32486	479 (4.27)	432 (4.33)	434 (5.24)	407 (6.88)	377 (5.20)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Attach a file to an e-mail message.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	540 (1.87)	514 (3.70)	507 (5.15)	466 (8.63)	443 (7.82)
AUT	85931	1.17	84927	521 (3.33)	488 (4.36)	486 (5.06)	446 (10.76)	404 (12.93)
BEL	111831	2.30	109260	550 (2.38)	508 (3.29)	507 (4.41)	466 (10.24)	413 (9.99)
CAN	330436	10.12	296990	541 (1.56)	518 (2.89)	511 (4.26)	470 (7.93)	478 (6.74)
CZE	121183	4.31	115964	541 (3.51)	513 (3.45)	500 (4.77)	490 (10.50)	442 (7.55)
DNK	51741	0.70	51378	526 (2.68)	511 (3.93)	507 (4.22)	486 (11.87)	450 (12.00)
FIN	57884	0.07	57845	555 (2.27)	543 (2.61)	542 (3.61)	498 (9.61)	508 (8.56)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	534 (3.65)	512 (3.95)	500 (5.01)	471 (8.21)	436 (9.37)
GRC	105131	2.07	102960	469 (5.56)	441 (4.48)	451 (4.70)	436 (5.97)	380 (7.73)
HUN	107044	0.17	106867	536 (4.16)	496 (3.19)	483 (3.58)	460 (5.83)	403 (10.47)
ISL	3928	0.69	3901	509 (1.55)	508 (4.43)	487 (7.02)	474 (9.79)	405 (15.90)
IRL	54850	1.31	54133	513 (3.09)	500 (3.03)	498 (2.90)	469 (5.59)	432 (6.89)
ITA	481521	1.99	471943	494 (3.58)	467 (3.37)	466 (3.78)	443 (6.84)	393 (8.48)
JPN	1240054	1.42	1222475	578 (4.60)	547 (5.20)	549 (4.68)	496 (7.19)	517 (6.20)
KOR	533504	0.31	531834	555 (2.95)	499 (8.75)	. (.)	. (.)	499 (7.97)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	435 (4.87)	396 (4.10)	381 (7.23)	362 (6.25)	321 (5.81)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	547 (2.19)	520 (4.25)	513 (7.28)	460 (11.59)	439 (14.93)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	506 (2.81)	477 (3.70)	477 (4.60)	447 (8.47)	446 (7.25)
PRT	96857	0.82	96058	492 (3.97)	452 (5.11)	465 (4.97)	425 (7.85)	404 (8.06)
SVK	77067	3.73	74195	537 (3.84)	506 (3.68)	496 (2.92)	468 (4.30)	425 (6.02)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.44)	504 (3.77)	488 (6.82)	475 (9.66)	450 (13.11)
CHE	86491	0.48	86079	541 (3.50)	504 (3.64)	497 (4.68)	461 (6.79)	421 (10.07)
TUR	481279	13.78	414937	450 (10.18)	409 (6.86)	415 (6.12)	382 (6.65)	379 (5.74)
GBR	698579	91.67	58219	532 (2.75)	517 (4.22)	521 (6.54)	475 (11.58)	. (.)
USA	3147089	2.76	3060301	489 (2.88)	473 (4.89)	453 (5.69)	403 (10.70)	405 (8.48)
TOT	.	19.76	.	511 (1.31)	477 (1.96)	477 (2.35)	442 (3.20)	417 (3.78)
AVG	.	22.13	.	525 (0.68)	489 (1.02)	485 (1.22)	451 (1.89)	419 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	501 (5.69)	482 (5.16)	484 (4.78)	448 (7.49)	439 (6.09)
LIE	338	0.30	337	538 (4.23)	493 (11.73)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	518 (5.48)	493 (6.31)	487 (5.02)	462 (6.48)	436 (6.06)
YUG	68596	1.90	67293	442 (4.91)	425 (4.00)	430 (3.72)	411 (4.92)	374 (5.95)
THA	637076	5.83	599963	472 (7.00)	429 (3.51)	421 (3.46)	411 (3.57)	378 (11.66)
TUN	150875	33.84	99822	375 (6.93)	358 (4.85)	368 (5.07)	357 (4.30)	320 (3.47)
URY	33775	3.82	32486	457 (4.73)	409 (4.39)	404 (6.11)	373 (7.52)	332 (5.27)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a computer program (e.g. in <Logo, Pascal, Basic>).

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	26.52 (0.52)	33.00 (0.64)	29.08 (0.61)	8.39 (0.40)	3.00 (0.28)
AUT	85931	1.17	84927	28.33 (1.02)	33.40 (0.86)	28.21 (0.79)	8.55 (0.49)	1.50 (0.28)
BEL	111831	2.30	109260	17.68 (0.62)	37.56 (0.56)	30.65 (0.69)	8.70 (0.37)	5.41 (0.53)
CAN	330436	10.12	296990	23.83 (0.50)	31.76 (0.46)	32.19 (0.50)	8.59 (0.34)	3.62 (0.21)
CZE	121183	4.31	115964	17.85 (0.86)	34.64 (0.66)	29.72 (0.85)	11.38 (0.59)	6.40 (0.51)
DNK	51741	0.70	51378	14.52 (0.70)	33.12 (0.85)	30.51 (0.88)	18.52 (0.60)	3.33 (0.41)
FIN	57884	0.07	57845	13.92 (0.58)	32.35 (0.72)	38.15 (0.83)	12.77 (0.46)	2.81 (0.28)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	24.36 (0.75)	31.50 (0.75)	30.12 (0.75)	9.21 (0.46)	4.82 (0.44)
GRC	105131	2.07	102960	20.98 (0.68)	34.45 (0.89)	29.46 (0.88)	11.21 (0.57)	3.90 (0.36)
HUN	107044	0.17	106867	15.09 (0.62)	33.08 (0.80)	34.18 (0.81)	14.26 (0.61)	3.39 (0.38)
ISL	3928	0.69	3901	20.05 (0.65)	31.19 (0.70)	28.88 (0.75)	18.44 (0.64)	1.44 (0.21)
IRL	54850	1.31	54133	17.47 (0.65)	28.44 (0.79)	32.75 (0.78)	16.59 (0.60)	4.74 (0.40)
ITA	481521	1.99	471943	24.89 (0.87)	29.86 (0.57)	25.86 (0.71)	14.24 (0.66)	5.16 (0.41)
JPN	1240054	1.42	1222475	5.70 (0.34)	25.34 (0.69)	33.93 (0.81)	21.17 (0.67)	13.86 (0.70)
KOR	533504	0.31	531834	11.09 (0.51)	44.65 (0.65)	27.39 (0.62)	14.18 (0.51)	2.69 (0.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	14.34 (0.65)	35.77 (0.96)	22.99 (0.70)	10.27 (0.63)	16.62 (1.41)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	25.16 (0.95)	31.74 (0.79)	31.61 (0.78)	10.43 (0.50)	1.07 (0.16)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	22.67 (0.84)	29.61 (0.71)	29.00 (0.77)	14.32 (0.53)	4.40 (0.42)
PRT	96857	0.82	96058	17.65 (0.83)	39.38 (0.85)	29.46 (0.84)	9.79 (0.45)	3.73 (0.36)
SVK	77067	3.73	74195	12.16 (0.63)	21.52 (0.60)	33.08 (0.82)	20.13 (0.73)	13.10 (0.99)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	17.93 (0.72)	33.65 (0.73)	31.25 (0.79)	13.68 (0.53)	3.50 (0.28)
CHE	86491	0.48	86079	21.08 (0.69)	32.28 (0.86)	31.97 (0.83)	11.72 (0.54)	2.95 (0.25)
TUR	481279	13.78	414937	21.11 (0.84)	29.03 (1.05)	14.12 (0.95)	12.81 (0.57)	22.94 (1.51)
GBR	698579	91.67	58219	29.43 (1.14)	34.78 (0.98)	20.96 (1.11)	13.75 (0.79)	1.08 (.)
USA	3147089	2.76	3060301	28.00 (0.64)	32.30 (0.67)	28.43 (0.69)	7.85 (0.38)	3.42 (0.23)
TOT	.	19.76	.	20.65 (0.26)	32.09 (0.28)	28.39 (0.27)	11.70 (0.18)	7.16 (0.18)
AVG	.	22.13	.	19.28 (0.15)	32.51 (0.15)	29.78 (0.16)	12.84 (0.12)	5.58 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	13.33 (0.76)	28.86 (0.77)	34.08 (1.24)	17.05 (0.56)	6.68 (0.59)
LIE	338	0.30	337	32.13 (2.49)	34.45 (2.62)	24.91 (2.25)	5.77 (.)	2.73 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	20.80 (1.10)	23.01 (0.81)	23.67 (0.73)	18.50 (0.77)	14.01 (1.06)
YUG	68596	1.93	67275	14.79 (0.75)	28.98 (0.80)	28.29 (1.06)	11.87 (0.62)	16.08 (1.21)
THA	637076	5.83	599963	10.11 (0.66)	36.23 (1.03)	23.46 (0.88)	28.65 (1.23)	1.55 (0.27)
TUN	150875	33.84	99822	11.47 (0.68)	20.08 (0.78)	17.62 (0.86)	24.37 (1.03)	26.45 (1.27)
URY	33775	3.82	32486	16.12 (0.74)	26.80 (0.70)	28.33 (1.05)	15.07 (0.61)	13.68 (0.95)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a computer program (e.g. in <Logo, Pascal, Basic>).

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	502 (2.82)	532 (2.65)	552 (2.43)	527 (4.14)	423 (8.97)
AUT	85931	1.17	84927	472 (5.08)	494 (3.93)	520 (4.23)	494 (8.39)	386 (15.43)
BEL	111831	2.30	109260	473 (5.48)	522 (2.86)	548 (2.58)	496 (7.07)	376 (11.69)
CAN	330436	10.12	296990	512 (2.63)	534 (2.04)	548 (2.09)	532 (3.39)	499 (5.66)
CZE	121183	4.31	115964	484 (4.73)	497 (2.80)	516 (3.81)	502 (6.06)	425 (9.14)
DNK	51741	0.70	51378	455 (4.54)	491 (3.68)	514 (3.13)	505 (3.52)	410 (13.22)
FIN	57884	0.07	57845	520 (3.85)	537 (2.70)	560 (1.98)	542 (3.85)	509 (9.68)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	471 (4.70)	511 (3.88)	529 (3.47)	507 (5.86)	403 (11.91)
GRC	105131	2.07	102960	464 (5.55)	478 (5.13)	487 (4.12)	463 (6.58)	398 (13.04)
HUN	107044	0.17	106867	474 (4.23)	481 (3.38)	497 (3.07)	475 (4.42)	397 (13.13)
ISL	3928	0.69	3901	452 (4.27)	493 (3.37)	516 (3.54)	510 (3.76)	352 (20.76)
IRL	54850	1.31	54133	493 (4.03)	517 (3.41)	536 (3.06)	516 (4.35)	443 (8.59)
ITA	481521	1.99	471943	462 (4.07)	481 (3.39)	498 (3.33)	487 (5.16)	403 (8.81)
JPN	1240054	1.42	1222475	493 (8.53)	505 (5.12)	521 (3.80)	483 (5.79)	462 (6.32)
KOR	533504	0.31	531834	511 (4.72)	533 (3.11)	550 (3.39)	538 (5.29)	463 (10.80)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	422 (5.43)	421 (4.41)	435 (4.37)	406 (5.98)	331 (6.44)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	493 (3.38)	526 (3.27)	553 (3.32)	528 (5.79)	434 (16.11)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	476 (4.08)	497 (3.84)	525 (3.65)	499 (4.71)	440 (7.71)
PRT	96857	0.82	96058	450 (5.22)	479 (4.26)	498 (4.00)	488 (6.18)	420 (8.53)
SVK	77067	3.73	74195	482 (6.02)	480 (3.89)	490 (2.97)	472 (4.60)	405 (5.52)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	481 (3.82)	514 (3.02)	541 (3.61)	525 (4.41)	427 (15.12)
CHE	86491	0.48	86079	471 (3.67)	502 (4.13)	524 (3.71)	496 (4.91)	425 (10.81)
TUR	481279	13.78	414937	427 (5.92)	453 (7.34)	497 (11.65)	451 (7.03)	416 (5.73)
GBR	698579	91.67	58219	515 (4.11)	513 (3.66)	530 (3.92)	516 (6.38)	. (.)
USA	3147089	2.76	3060301	472 (3.67)	505 (3.68)	526 (3.64)	492 (5.81)	437 (8.21)
TOT	.	19.76	.	471 (1.73)	496 (1.62)	518 (1.44)	487 (2.30)	413 (3.67)
AVG	.	22.13	.	475 (0.95)	500 (0.94)	522 (0.83)	497 (1.34)	414 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	474 (6.44)	484 (4.23)	511 (4.56)	493 (5.80)	452 (5.98)
LIE	338	0.30	337	500 (7.82)	528 (9.26)	556 (9.07)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	464 (4.51)	453 (5.95)	452 (4.70)	434 (5.02)	404 (6.39)
YUG	68596	1.93	67275	406 (5.14)	422 (3.94)	436 (4.09)	405 (5.12)	368 (5.60)
THA	637076	5.83	599963	413 (5.43)	424 (3.72)	434 (4.40)	417 (3.77)	374 (11.19)
TUN	150875	33.84	99822	383 (8.09)	387 (6.03)	396 (5.84)	396 (4.40)	347 (5.20)
URY	33775	3.82	32486	431 (5.86)	449 (4.60)	467 (3.90)	431 (5.58)	358 (6.20)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a computer program (e.g. in <Logo, Pascal, Basic>).

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	510 (2.83)	531 (2.33)	542 (2.60)	519 (3.95)	443 (7.08)
AUT	85931	1.17	84927	496 (4.96)	507 (3.38)	525 (4.02)	504 (6.64)	409 (15.51)
BEL	111831	2.30	109260	498 (4.93)	544 (2.48)	568 (2.66)	515 (6.36)	409 (8.90)
CAN	330436	10.12	296990	529 (2.63)	537 (2.03)	546 (2.18)	528 (3.32)	506 (6.01)
CZE	121183	4.31	115964	525 (5.06)	525 (3.47)	537 (4.07)	518 (5.09)	442 (7.67)
DNK	51741	0.70	51378	494 (4.67)	515 (3.67)	532 (3.23)	516 (4.16)	440 (10.92)
FIN	57884	0.07	57845	539 (4.57)	541 (2.59)	555 (2.24)	533 (3.88)	515 (8.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	493 (4.69)	521 (3.60)	531 (3.57)	503 (6.23)	434 (10.06)
GRC	105131	2.07	102960	446 (5.16)	447 (4.86)	458 (3.89)	435 (5.81)	381 (8.54)
HUN	107044	0.17	106867	492 (4.80)	491 (3.67)	504 (3.23)	474 (4.47)	403 (10.87)
ISL	3928	0.69	3901	490 (4.03)	515 (2.71)	533 (3.00)	523 (3.31)	419 (17.54)
IRL	54850	1.31	54133	487 (3.71)	505 (3.73)	519 (2.95)	501 (4.31)	441 (7.55)
ITA	481521	1.99	471943	462 (4.17)	472 (3.47)	478 (3.64)	469 (5.63)	403 (6.41)
JPN	1240054	1.42	1222475	528 (9.37)	538 (5.27)	555 (4.34)	519 (4.95)	508 (5.93)
KOR	533504	0.31	531834	519 (5.38)	541 (3.37)	559 (3.79)	543 (5.18)	484 (8.98)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	411 (4.69)	403 (4.34)	415 (3.56)	385 (6.07)	324 (5.95)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	502 (3.28)	529 (2.97)	549 (3.08)	522 (5.97)	442 (14.01)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	480 (3.73)	492 (3.20)	512 (3.51)	483 (4.15)	444 (7.02)
PRT	96857	0.82	96058	455 (4.42)	467 (3.87)	481 (4.17)	466 (5.87)	409 (6.61)
SVK	77067	3.73	74195	521 (6.36)	511 (3.51)	518 (2.84)	497 (4.21)	434 (6.23)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	486 (3.80)	510 (2.76)	529 (3.61)	512 (4.30)	439 (12.89)
CHE	86491	0.48	86079	512 (3.86)	531 (4.11)	545 (4.13)	509 (5.17)	450 (9.88)
TUR	481279	13.78	414937	410 (5.87)	437 (8.59)	491 (14.21)	448 (8.80)	391 (6.39)
GBR	698579	91.67	58219	531 (4.02)	518 (3.46)	534 (3.39)	517 (5.51)	. (.)
USA	3147089	2.76	3060301	466 (3.22)	494 (3.52)	506 (3.20)	473 (5.64)	418 (8.09)
TOT	.	19.76	.	474 (1.64)	495 (1.41)	515 (1.42)	487 (2.27)	420 (3.82)
AVG	.	22.13	.	488 (0.98)	505 (0.84)	523 (0.86)	498 (1.29)	423 (2.50)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	481 (6.80)	481 (4.43)	498 (3.93)	480 (5.39)	439 (5.42)
LIE	338	0.30	337	519 (8.67)	535 (10.15)	558 (8.00)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	499 (5.21)	480 (6.05)	476 (4.70)	455 (5.73)	431 (5.50)
YUG	68596	1.93	67275	437 (5.35)	446 (4.19)	461 (4.59)	427 (5.05)	393 (5.49)
THA	637076	5.83	599963	412 (5.40)	421 (3.80)	432 (4.37)	414 (3.67)	368 (9.59)
TUN	150875	33.84	99822	384 (8.16)	376 (5.00)	383 (6.34)	374 (4.12)	336 (4.00)
URY	33775	3.82	32486	427 (5.64)	434 (4.52)	450 (3.90)	418 (4.25)	358 (4.73)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a computer program (e.g. in <Logo, Pascal, Basic>).

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	512 (3.02)	531 (2.51)	544 (2.38)	516 (4.21)	440 (8.31)
AUT	85931	1.17	84927	480 (5.20)	492 (3.91)	513 (4.20)	487 (7.02)	401 (15.26)
BEL	111831	2.30	109260	480 (5.23)	521 (2.67)	546 (2.70)	494 (6.30)	391 (10.42)
CAN	330436	10.12	296990	510 (2.96)	523 (2.32)	536 (2.51)	521 (3.56)	488 (6.73)
CZE	121183	4.31	115964	527 (5.09)	529 (3.44)	546 (3.99)	527 (6.09)	450 (7.58)
DNK	51741	0.70	51378	458 (5.06)	477 (3.92)	493 (3.99)	477 (4.36)	379 (11.94)
FIN	57884	0.07	57845	540 (4.54)	546 (3.08)	561 (2.40)	536 (4.92)	507 (9.33)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	492 (5.14)	519 (3.91)	534 (3.84)	507 (6.46)	421 (11.28)
GRC	105131	2.07	102960	483 (5.54)	484 (4.81)	492 (4.51)	468 (6.33)	422 (11.06)
HUN	107044	0.17	106867	505 (4.62)	506 (3.51)	516 (3.44)	488 (4.75)	412 (12.48)
ISL	3928	0.69	3901	475 (4.72)	495 (3.33)	511 (3.17)	499 (3.52)	408 (18.71)
IRL	54850	1.31	54133	489 (4.05)	507 (3.70)	523 (3.40)	500 (4.67)	444 (8.15)
ITA	481521	1.99	471943	482 (4.65)	496 (3.43)	502 (3.87)	488 (6.38)	410 (8.23)
JPN	1240054	1.42	1222475	544 (9.37)	553 (5.69)	567 (4.52)	529 (5.88)	524 (6.42)
KOR	533504	0.31	531834	514 (6.07)	537 (3.68)	557 (4.18)	539 (5.56)	472 (9.87)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	428 (5.01)	420 (4.31)	431 (3.41)	404 (5.26)	355 (4.86)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	498 (3.85)	525 (3.28)	549 (3.53)	520 (5.76)	434 (14.11)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	484 (4.61)	497 (3.96)	524 (4.28)	491 (5.41)	449 (7.37)
PRT	96857	0.82	96058	457 (4.73)	468 (3.99)	483 (4.30)	470 (6.31)	409 (6.80)
SVK	77067	3.73	74195	520 (6.69)	509 (4.16)	518 (3.01)	494 (4.51)	427 (6.70)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	478 (5.04)	506 (2.97)	530 (4.56)	514 (5.44)	417 (15.17)
CHE	86491	0.48	86079	495 (4.39)	519 (4.04)	533 (5.09)	496 (6.03)	431 (9.75)
TUR	481279	13.78	414937	421 (6.25)	445 (7.74)	493 (12.30)	446 (7.57)	412 (5.38)
GBR	698579	91.67	58219	522 (4.81)	507 (4.31)	525 (4.52)	503 (6.98)	. (.)
USA	3147089	2.76	3060301	472 (3.47)	502 (3.74)	516 (4.13)	484 (6.00)	425 (9.61)
TOT	.	19.76	.	479 (1.67)	502 (1.60)	523 (1.59)	495 (2.37)	434 (3.60)
AVG	.	22.13	.	488 (0.98)	505 (0.88)	524 (0.82)	497 (1.34)	428 (2.28)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	483 (6.82)	487 (4.58)	507 (4.62)	486 (5.24)	438 (6.00)
LIE	338	0.30	337	505 (9.07)	524 (10.00)	555 (8.99)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	518 (5.38)	499 (5.92)	496 (4.49)	477 (5.62)	454 (6.07)
YUG	68596	1.93	67275	432 (5.12)	446 (4.38)	459 (3.85)	424 (5.08)	397 (5.43)
THA	637076	5.83	599963	427 (5.21)	432 (3.41)	444 (4.41)	425 (3.80)	394 (11.33)
TUN	150875	33.84	99822	398 (7.89)	399 (5.43)	407 (5.76)	404 (4.52)	357 (5.13)
URY	33775	3.82	32486	438 (5.77)	448 (4.81)	466 (3.48)	438 (4.87)	379 (5.35)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a computer program (e.g. in <Logo, Pascal, Basic>).

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	516 (2.60)	536 (2.37)	548 (2.47)	523 (3.58)	449 (7.64)
AUT	85931	1.17	84927	498 (4.59)	509 (3.61)	524 (3.90)	501 (6.86)	412 (13.88)
BEL	111831	2.30	109260	495 (4.55)	538 (2.47)	561 (2.70)	514 (5.49)	415 (9.36)
CAN	330436	10.12	296990	523 (2.62)	536 (2.03)	546 (2.11)	528 (3.36)	497 (5.91)
CZE	121183	4.31	115964	524 (4.79)	526 (3.24)	537 (3.99)	517 (5.74)	443 (8.09)
DNK	51741	0.70	51378	495 (4.39)	518 (3.37)	534 (3.22)	517 (4.09)	442 (11.84)
FIN	57884	0.07	57845	543 (4.53)	545 (2.64)	559 (2.07)	535 (4.20)	511 (8.98)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	500 (4.54)	529 (3.89)	539 (3.26)	512 (5.66)	436 (10.51)
GRC	105131	2.07	102960	447 (5.89)	452 (5.10)	462 (4.10)	439 (6.03)	383 (8.09)
HUN	107044	0.17	106867	500 (4.97)	502 (3.52)	516 (3.24)	487 (4.74)	408 (11.32)
ISL	3928	0.69	3901	480 (3.75)	506 (2.96)	521 (2.88)	514 (3.85)	404 (17.08)
IRL	54850	1.31	54133	484 (3.43)	501 (3.50)	515 (2.84)	495 (4.08)	435 (7.25)
ITA	481521	1.99	471943	464 (4.20)	477 (3.50)	485 (3.45)	474 (5.96)	400 (7.60)
JPN	1240054	1.42	1222475	542 (9.26)	550 (5.25)	570 (4.55)	531 (5.26)	517 (6.19)
KOR	533504	0.31	531834	526 (4.97)	550 (3.27)	566 (3.55)	552 (4.82)	500 (8.18)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (6.32)	405 (5.02)	414 (4.65)	384 (6.60)	319 (5.95)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	512 (3.16)	538 (3.14)	558 (3.22)	529 (5.61)	452 (13.84)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	475 (4.06)	488 (3.50)	509 (3.41)	479 (4.24)	444 (6.86)
PRT	96857	0.82	96058	455 (5.56)	472 (4.39)	485 (4.57)	472 (6.20)	406 (7.73)
SVK	77067	3.73	74195	517 (6.19)	507 (3.38)	512 (2.94)	490 (4.64)	424 (5.85)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	483 (4.32)	511 (2.70)	528 (3.21)	511 (4.40)	449 (12.66)
CHE	86491	0.48	86079	507 (3.75)	525 (3.70)	541 (3.64)	508 (5.29)	436 (10.13)
TUR	481279	13.78	414937	398 (6.05)	422 (7.61)	465 (11.95)	423 (7.98)	378 (5.99)
GBR	698579	91.67	58219	530 (4.07)	521 (3.73)	537 (3.79)	519 (5.67)	. (.)
USA	3147089	2.76	3060301	459 (3.45)	488 (3.83)	502 (3.45)	470 (6.69)	412 (8.78)
TOT	.	19.76	.	472 (1.73)	496 (1.54)	517 (1.48)	490 (2.57)	419 (3.99)
AVG	.	22.13	.	488 (0.99)	507 (0.88)	524 (0.79)	499 (1.42)	421 (2.63)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	478 (7.28)	480 (4.68)	499 (4.39)	477 (6.09)	436 (5.62)
LIE	338	0.30	337	513 (8.28)	530 (8.58)	553 (8.71)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (5.60)	493 (6.64)	490 (4.72)	460 (5.78)	435 (6.02)
YUG	68596	1.93	67275	418 (5.23)	428 (3.68)	444 (3.95)	418 (5.29)	374 (5.75)
THA	637076	5.83	599963	425 (5.20)	431 (3.66)	438 (4.10)	419 (3.52)	378 (12.69)
TUN	150875	33.84	99822	363 (6.99)	360 (4.49)	365 (5.10)	365 (3.63)	319 (3.50)
URY	33775	3.82	32486	417 (6.74)	425 (4.79)	442 (4.59)	407 (5.59)	333 (5.07)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a spreadsheet to plot a graph.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well %	(SE)	can do with help %	(SE)	can not do %	(SE)	don't know %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	56.83	(0.81)	27.40	(0.59)	10.02	(0.38)	3.13	(0.19)	2.62	(0.27)
AUT	85931	1.17	84927	56.76	(1.17)	24.92	(0.81)	11.69	(0.59)	5.36	(0.39)	1.28	(0.25)
BEL	111831	2.30	109260	31.04	(0.71)	31.13	(0.53)	17.26	(0.51)	14.86	(0.46)	5.70	(0.54)
CAN	330436	10.12	296990	49.87	(0.58)	27.27	(0.40)	13.82	(0.35)	6.01	(0.23)	3.02	(0.18)
CZE	121183	4.31	115964	48.48	(1.40)	26.29	(0.79)	13.70	(0.63)	5.28	(0.41)	6.25	(0.51)
DNK	51741	0.70	51378	52.64	(0.95)	31.03	(0.83)	10.62	(0.62)	2.74	(0.26)	2.97	(0.37)
FIN	57884	0.07	57845	39.85	(0.87)	34.96	(0.75)	17.67	(0.68)	4.87	(0.38)	2.65	(0.26)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	46.74	(0.90)	27.33	(0.78)	15.07	(0.64)	6.15	(0.35)	4.71	(0.43)
GRC	105131	2.07	102960	27.87	(0.90)	32.31	(0.70)	21.95	(0.73)	13.69	(0.66)	4.19	(0.33)
HUN	107044	0.17	106867	30.11	(0.88)	34.60	(0.74)	21.61	(0.64)	10.41	(0.51)	3.27	(0.39)
ISL	3928	0.69	3901	35.85	(0.77)	29.86	(0.73)	23.16	(0.77)	9.93	(0.46)	1.20	(0.19)
IRL	54850	1.31	54133	34.18	(1.03)	27.21	(0.78)	21.97	(0.68)	12.17	(0.55)	4.47	(0.42)
ITA	481521	1.99	471943	43.36	(0.77)	25.97	(0.52)	16.89	(0.53)	8.89	(0.44)	4.90	(0.42)
JPN	1240054	1.42	1222475	19.66	(1.15)	31.07	(0.72)	22.21	(0.78)	13.09	(0.71)	13.96	(0.71)
KOR	533504	0.31	531834	12.77	(0.57)	41.33	(0.68)	22.39	(0.56)	20.91	(0.64)	2.60	(0.25)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	31.22	(1.34)	30.26	(0.70)	13.92	(0.55)	8.17	(0.56)	16.43	(1.43)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	3.88	46752	57.80	(0.90)	26.32	(0.79)	11.45	(0.40)	3.56	(0.29)	0.87	(0.14)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	61.08	(1.18)	23.96	(0.78)	7.08	(0.49)	3.37	(0.34)	4.51	(0.44)
PRT	96857	0.82	96058	49.70	(1.03)	28.88	(0.81)	13.73	(0.61)	3.82	(0.28)	3.87	(0.36)
SVK	77067	3.73	74195	30.21	(1.08)	22.73	(0.53)	21.20	(0.72)	12.72	(0.58)	13.14	(0.99)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	34.24	(1.13)	34.00	(0.86)	19.74	(0.62)	8.90	(0.44)	3.12	(0.30)
CHE	86491	0.48	86079	44.43	(0.79)	32.02	(0.71)	13.69	(0.64)	7.04	(0.38)	2.83	(0.27)
TUR	481279	13.78	414937	29.26	(1.31)	27.23	(1.01)	11.31	(0.71)	8.63	(0.50)	23.56	(1.57)
GBR	698579	91.67	58219	59.16	(1.16)	24.85	(0.85)	11.97	(0.74)	3.06	(0.37)	0.97	(.)
USA	3147089	2.76	3060301	51.77	(0.99)	27.07	(0.70)	12.90	(0.60)	5.11	(0.36)	3.14	(0.22)
TOT	.	19.76	.	41.09	(0.44)	28.80	(0.29)	15.10	(0.25)	7.97	(0.16)	7.04	(0.19)
AVG	.	22.13	.	40.76	(0.22)	29.41	(0.14)	16.08	(0.14)	8.28	(0.10)	5.47	(0.13)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.81	33372	28.26	(1.18)	31.68	(0.97)	21.45	(0.70)	12.26	(0.83)	6.34	(0.60)
LIE	338	0.30	337	59.18	(2.26)	28.41	(2.18)	5.38	(.)	4.28	(.)	2.76	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.08	2022403	29.05	(1.35)	24.00	(0.67)	19.74	(0.80)	13.34	(0.68)	13.87	(1.11)
YUG	68596	1.93	67275	22.71	(0.78)	24.02	(0.72)	21.28	(0.82)	15.77	(0.71)	16.23	(1.18)
THA	637076	5.83	599963	16.55	(0.92)	44.36	(0.99)	18.68	(0.69)	18.72	(1.11)	1.69	(0.28)
TUN	150875	33.84	99822	17.98	(0.95)	20.51	(0.89)	15.44	(0.58)	20.42	(0.83)	25.64	(1.30)
URY	33775	3.82	32486	41.96	(1.04)	23.38	(0.82)	13.18	(0.73)	8.83	(0.48)	12.64	(1.00)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a spreadsheet to plot a graph.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (2.28)	527 (3.28)	514 (3.74)	485 (6.49)	406 (9.15)
AUT	85931	1.17	84927	507 (3.58)	484 (4.62)	481 (7.38)	449 (9.61)	376 (14.06)
BEL	111831	2.30	109260	517 (3.16)	516 (3.34)	529 (3.41)	516 (5.41)	382 (11.91)
CAN	330436	10.12	296990	537 (1.73)	534 (2.38)	527 (2.77)	516 (4.35)	488 (6.68)
CZE	121183	4.31	115964	514 (3.34)	491 (2.92)	483 (4.54)	474 (8.22)	426 (8.75)
DNK	51741	0.70	51378	496 (2.94)	498 (3.87)	490 (4.81)	454 (9.96)	419 (14.66)
FIN	57884	0.07	57845	544 (2.14)	544 (2.32)	551 (2.61)	525 (6.99)	508 (10.20)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (4.07)	508 (4.14)	504 (5.05)	476 (6.93)	400 (10.94)
GRC	105131	2.07	102960	479 (5.33)	473 (4.87)	483 (4.93)	468 (5.90)	397 (12.43)
HUN	107044	0.17	106867	496 (3.54)	484 (3.19)	484 (3.49)	461 (4.97)	389 (12.94)
ISL	3928	0.69	3901	481 (3.09)	501 (2.89)	512 (3.09)	484 (5.98)	340 (19.24)
IRL	54850	1.31	54133	522 (3.15)	520 (3.78)	525 (3.31)	495 (4.49)	443 (8.69)
ITA	481521	1.99	471943	482 (3.26)	482 (3.62)	487 (4.33)	468 (6.01)	401 (9.00)
JPN	1240054	1.42	1222475	531 (5.25)	513 (4.23)	505 (4.95)	448 (7.22)	462 (6.32)
KOR	533504	0.31	531834	533 (5.38)	533 (3.41)	539 (3.16)	541 (4.42)	461 (10.94)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	439 (5.22)	415 (3.78)	420 (5.30)	395 (5.48)	331 (6.44)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	537 (2.58)	521 (3.93)	506 (6.57)	465 (9.25)	409 (19.01)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (3.01)	494 (3.96)	493 (5.60)	463 (11.73)	440 (7.85)
PRT	96857	0.82	96058	489 (3.61)	474 (4.55)	474 (5.27)	450 (9.51)	417 (8.24)
SVK	77067	3.73	74195	503 (3.08)	483 (3.76)	476 (3.53)	445 (5.34)	405 (5.56)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (3.22)	524 (2.80)	522 (4.50)	499 (5.28)	422 (16.42)
CHE	86491	0.48	86079	514 (4.25)	495 (3.96)	494 (3.84)	467 (8.23)	420 (12.85)
TUR	481279	13.78	414937	452 (8.01)	452 (7.21)	471 (9.95)	443 (8.22)	416 (6.03)
GBR	698579	91.67	58219	517 (3.26)	518 (4.41)	528 (5.84)	476 (9.41)	. (.)
USA	3147089	2.76	3060301	507 (3.27)	501 (3.75)	490 (5.61)	464 (6.80)	427 (9.29)
TOT	.	19.76	.	503 (1.58)	495 (1.57)	494 (1.86)	468 (2.61)	410 (3.64)
AVG	.	22.13	.	508 (0.79)	500 (0.96)	501 (0.96)	479 (1.65)	412 (2.51)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	502 (5.10)	489 (4.45)	495 (5.04)	486 (5.18)	451 (6.36)
LIE	338	0.30	337	534 (5.38)	514 (9.06)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	464 (4.52)	451 (4.81)	448 (4.92)	429 (7.19)	404 (6.50)
YUG	68596	1.93	67275	421 (4.53)	415 (3.84)	429 (4.15)	420 (4.56)	369 (5.56)
THA	637076	5.83	599963	434 (4.84)	424 (3.38)	424 (4.06)	410 (4.12)	376 (9.26)
TUN	150875	33.84	99822	390 (8.54)	386 (6.43)	396 (6.02)	394 (4.52)	347 (5.41)
URY	33775	3.82	32486	466 (4.38)	442 (5.08)	434 (7.25)	400 (7.97)	355 (6.67)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a spreadsheet to plot a graph.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (2.32)	520 (2.70)	502 (3.43)	482 (5.49)	430 (7.60)
AUT	85931	1.17	84927	522 (3.23)	496 (3.91)	492 (5.32)	464 (8.29)	397 (13.93)
BEL	111831	2.30	109260	544 (2.88)	538 (3.12)	544 (3.57)	534 (5.07)	414 (9.45)
CAN	330436	10.12	296990	547 (1.84)	534 (2.28)	523 (2.94)	516 (3.88)	486 (7.02)
CZE	121183	4.31	115964	550 (3.67)	511 (3.19)	499 (4.29)	486 (6.65)	441 (7.07)
DNK	51741	0.70	51378	527 (3.06)	510 (3.44)	497 (5.43)	466 (8.95)	451 (12.23)
FIN	57884	0.07	57845	554 (2.59)	542 (2.69)	539 (2.71)	519 (6.43)	515 (8.94)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	526 (3.84)	514 (3.79)	502 (4.62)	474 (6.92)	429 (9.52)
GRC	105131	2.07	102960	462 (5.24)	443 (4.22)	448 (4.93)	437 (4.94)	387 (7.93)
HUN	107044	0.17	106867	513 (3.99)	493 (3.16)	484 (3.83)	459 (5.01)	395 (10.10)
ISL	3928	0.69	3901	516 (2.84)	521 (3.14)	522 (2.84)	492 (5.03)	409 (18.06)
IRL	54850	1.31	54133	511 (2.95)	508 (3.80)	508 (3.24)	483 (4.38)	438 (7.08)
ITA	481521	1.99	471943	479 (3.44)	469 (3.63)	465 (4.20)	444 (5.91)	401 (6.59)
JPN	1240054	1.42	1222475	566 (5.92)	543 (4.26)	539 (4.66)	488 (6.76)	508 (6.00)
KOR	533504	0.31	531834	545 (6.06)	540 (3.57)	546 (3.59)	548 (4.08)	483 (9.16)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.66)	398 (3.36)	397 (3.98)	374 (5.10)	325 (6.24)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	540 (2.38)	521 (3.61)	501 (5.14)	464 (7.91)	422 (16.68)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (2.60)	482 (3.47)	475 (5.04)	448 (8.86)	442 (7.20)
PRT	96857	0.82	96058	483 (3.27)	458 (4.00)	455 (5.40)	425 (7.50)	404 (6.90)
SVK	77067	3.73	74195	541 (3.18)	511 (3.74)	498 (3.27)	469 (4.06)	434 (6.22)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	518 (3.60)	517 (2.91)	504 (3.77)	483 (4.90)	439 (15.22)
CHE	86491	0.48	86079	552 (4.56)	520 (3.49)	505 (4.52)	476 (7.67)	443 (9.82)
TUR	481279	13.78	414937	438 (9.28)	439 (8.41)	462 (11.90)	437 (8.50)	391 (6.31)
GBR	698579	91.67	58219	527 (2.77)	524 (4.46)	527 (5.43)	482 (9.72)	. (.)
USA	3147089	2.76	3060301	497 (3.13)	485 (3.47)	474 (4.60)	446 (6.86)	408 (8.28)
TOT	.	19.76	.	504 (1.46)	493 (1.45)	491 (1.72)	469 (2.52)	418 (3.78)
AVG	.	22.13	.	518 (0.83)	502 (0.86)	499 (0.97)	479 (1.61)	421 (2.54)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	505 (6.22)	483 (4.07)	479 (4.17)	470 (6.21)	438 (5.48)
LIE	338	0.30	337	549 (6.08)	520 (10.64)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	496 (4.66)	479 (4.87)	469 (4.83)	451 (8.06)	431 (5.72)
YUG	68596	1.93	67275	451 (4.53)	440 (4.62)	452 (4.13)	443 (4.96)	393 (5.38)
THA	637076	5.83	599963	433 (5.57)	420 (3.65)	421 (3.70)	410 (4.20)	364 (8.34)
TUN	150875	33.84	99822	388 (7.91)	374 (5.47)	381 (5.29)	372 (3.71)	335 (4.21)
URY	33775	3.82	32486	457 (3.92)	422 (4.45)	417 (5.95)	388 (6.45)	355 (5.39)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a spreadsheet to plot a graph.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	541 (2.35)	519 (3.19)	500 (3.54)	470 (6.37)	428 (9.19)
AUT	85931	1.17	84927	508 (3.28)	481 (4.57)	475 (6.26)	445 (8.74)	393 (13.68)
BEL	111831	2.30	109260	523 (3.27)	516 (3.25)	525 (3.64)	511 (5.06)	396 (10.63)
CAN	330436	10.12	296990	531 (2.10)	522 (2.65)	513 (3.31)	506 (4.78)	475 (8.28)
CZE	121183	4.31	115964	554 (3.56)	518 (3.05)	507 (5.09)	492 (7.45)	450 (7.07)
DNK	51741	0.70	51378	489 (3.21)	472 (3.64)	458 (6.71)	424 (9.84)	385 (12.49)
FIN	57884	0.07	57845	558 (2.57)	546 (3.02)	545 (3.01)	518 (8.51)	507 (10.16)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	527 (4.08)	514 (4.18)	504 (4.75)	474 (7.62)	416 (10.37)
GRC	105131	2.07	102960	496 (5.03)	480 (4.22)	482 (5.14)	474 (5.61)	428 (11.69)
HUN	107044	0.17	106867	526 (3.58)	505 (3.51)	500 (3.91)	469 (5.13)	408 (11.71)
ISL	3928	0.69	3901	498 (3.16)	498 (3.11)	503 (3.53)	468 (5.97)	403 (17.97)
IRL	54850	1.31	54133	515 (3.34)	510 (4.40)	510 (3.45)	480 (5.11)	443 (8.16)
ITA	481521	1.99	471943	500 (3.57)	492 (3.55)	488 (5.11)	464 (6.43)	407 (8.14)
JPN	1240054	1.42	1222475	583 (6.10)	559 (4.74)	549 (5.31)	494 (7.30)	524 (6.36)
KOR	533504	0.31	531834	543 (6.69)	537 (3.99)	543 (3.83)	543 (4.68)	470 (10.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (4.79)	415 (3.42)	417 (4.17)	398 (4.95)	355 (4.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	537 (2.77)	518 (3.75)	500 (5.93)	460 (7.75)	413 (16.41)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	512 (3.20)	487 (4.34)	479 (6.13)	458 (11.50)	449 (7.16)
PRT	96857	0.82	96058	484 (3.43)	460 (4.25)	456 (5.04)	433 (7.87)	407 (6.97)
SVK	77067	3.73	74195	538 (3.22)	510 (3.93)	498 (3.46)	466 (4.53)	427 (6.77)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (3.54)	515 (3.40)	506 (4.85)	486 (6.57)	415 (16.62)
CHE	86491	0.48	86079	539 (4.79)	505 (4.23)	495 (5.33)	461 (9.56)	425 (10.50)
TUR	481279	13.78	414937	445 (8.66)	447 (7.60)	464 (10.44)	439 (7.91)	412 (5.47)
GBR	698579	91.67	58219	518 (3.32)	513 (4.88)	516 (5.96)	461 (11.61)	. (.)
USA	3147089	2.76	3060301	505 (3.09)	495 (3.94)	480 (5.26)	457 (6.98)	414 (10.51)
TOT	.	19.76	.	510 (1.45)	500 (1.64)	498 (1.86)	476 (2.61)	432 (3.65)
AVG	.	22.13	.	517 (0.79)	503 (0.98)	500 (0.96)	480 (1.69)	427 (2.34)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	512 (5.80)	488 (4.09)	488 (4.85)	475 (6.60)	437 (6.43)
LIE	338	0.30	337	539 (6.34)	508 (10.36)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	516 (4.91)	497 (5.22)	489 (5.43)	474 (7.71)	454 (6.66)
YUG	68596	1.93	67275	449 (4.44)	440 (4.34)	449 (4.10)	441 (5.16)	398 (5.39)
THA	637076	5.83	599963	446 (5.07)	432 (3.53)	434 (3.72)	419 (4.12)	395 (10.18)
TUN	150875	33.84	99822	405 (7.70)	400 (5.33)	403 (6.21)	402 (4.41)	356 (5.15)
URY	33775	3.82	32486	468 (3.76)	439 (4.87)	441 (6.44)	409 (7.12)	375 (5.78)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Use a spreadsheet to plot a graph.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	543 (2.05)	526 (3.14)	508 (3.56)	485 (5.10)	436 (8.03)
AUT	85931	1.17	84927	522 (3.05)	497 (4.12)	491 (5.52)	463 (9.10)	402 (12.30)
BEL	111831	2.30	109260	537 (2.78)	533 (3.04)	540 (3.43)	531 (4.59)	420 (9.46)
CAN	330436	10.12	296990	542 (1.77)	535 (2.31)	524 (2.99)	514 (4.21)	481 (7.29)
CZE	121183	4.31	115964	548 (3.35)	513 (3.08)	501 (4.38)	483 (7.82)	442 (7.34)
DNK	51741	0.70	51378	528 (2.93)	514 (3.37)	501 (5.54)	467 (9.80)	451 (12.91)
FIN	57884	0.07	57845	557 (2.41)	546 (2.56)	544 (2.91)	519 (6.37)	508 (9.42)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	533 (3.72)	522 (3.87)	512 (4.40)	482 (6.93)	431 (9.47)
GRC	105131	2.07	102960	462 (5.77)	448 (4.74)	454 (5.47)	442 (5.48)	385 (8.17)
HUN	107044	0.17	106867	522 (4.06)	504 (3.12)	497 (3.76)	472 (5.29)	401 (10.58)
ISL	3928	0.69	3901	503 (2.67)	512 (2.84)	512 (3.12)	488 (5.31)	398 (17.63)
IRL	54850	1.31	54133	508 (2.87)	504 (3.55)	502 (3.07)	477 (4.56)	432 (6.98)
ITA	481521	1.99	471943	482 (3.40)	476 (3.37)	471 (4.58)	449 (7.68)	398 (7.67)
JPN	1240054	1.42	1222475	580 (5.53)	558 (4.35)	553 (4.94)	498 (6.87)	517 (6.12)
KOR	533504	0.31	531834	551 (5.58)	549 (3.38)	554 (3.50)	556 (3.97)	499 (8.36)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	428 (5.59)	398 (4.20)	396 (6.26)	371 (6.45)	320 (6.13)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	550 (2.40)	530 (3.48)	512 (4.98)	469 (8.16)	437 (18.00)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.95)	477 (3.48)	473 (4.95)	444 (9.37)	442 (7.33)
PRT	96857	0.82	96058	486 (3.56)	463 (4.74)	460 (5.84)	432 (8.05)	403 (8.26)
SVK	77067	3.73	74195	535 (3.27)	507 (3.50)	493 (3.14)	459 (5.10)	424 (5.93)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (3.44)	517 (2.65)	507 (4.02)	485 (4.89)	450 (12.92)
CHE	86491	0.48	86079	544 (4.07)	515 (3.46)	506 (4.29)	476 (7.79)	429 (10.39)
TUR	481279	13.78	414937	423 (8.40)	422 (7.34)	439 (10.08)	416 (7.60)	378 (6.21)
GBR	698579	91.67	58219	528 (3.00)	526 (4.62)	532 (5.27)	480 (10.42)	. (.)
USA	3147089	2.76	3060301	491 (3.25)	481 (3.80)	467 (5.07)	441 (7.23)	403 (9.29)
TOT	.	19.76	.	503 (1.53)	494 (1.60)	494 (1.95)	471 (2.67)	417 (3.94)
AVG	.	22.13	.	518 (0.83)	504 (0.90)	501 (0.95)	480 (1.65)	419 (2.65)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.81	33372	505 (6.16)	482 (4.78)	479 (4.48)	466 (5.74)	436 (5.86)
LIE	338	0.30	337	540 (6.01)	521 (9.71)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	512 (5.27)	492 (5.10)	481 (5.23)	454 (8.42)	433 (6.30)
YUG	68596	1.93	67275	431 (4.49)	425 (4.02)	435 (4.16)	431 (4.37)	374 (5.48)
THA	637076	5.83	599963	445 (5.59)	430 (3.35)	429 (3.61)	411 (4.15)	376 (10.34)
TUN	150875	33.84	99822	366 (6.92)	358 (4.89)	364 (4.95)	363 (3.91)	319 (3.58)
URY	33775	3.82	32486	447 (4.49)	415 (5.02)	408 (6.54)	375 (7.30)	330 (5.57)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a presentation (e.g. using <PowerPoint>).

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	75.30 (0.65)	16.21 (0.49)	4.28 (0.27)	1.45 (0.25)	2.77 (0.33)
AUT	85931	1.17	84927	65.00 (1.52)	22.13 (0.86)	8.84 (0.78)	2.80 (0.31)	1.22 (0.25)
BEL	111831	2.30	109260	44.71 (0.92)	28.23 (0.60)	13.97 (0.53)	7.38 (0.35)	5.71 (0.54)
CAN	330436	10.12	296990	62.14 (0.75)	21.55 (0.41)	9.84 (0.37)	3.64 (0.22)	2.84 (0.17)
CZE	121183	4.31	115964	30.83 (1.37)	27.70 (0.74)	19.65 (0.69)	15.40 (0.82)	6.42 (0.55)
DNK	51741	0.70	51378	46.86 (1.11)	27.89 (0.66)	13.48 (0.67)	8.15 (0.51)	3.62 (0.40)
FIN	57884	0.07	57845	40.74 (1.21)	28.78 (0.81)	18.80 (0.63)	8.93 (0.55)	2.74 (0.27)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	32.93 (1.13)	28.33 (0.74)	17.66 (0.73)	16.39 (0.74)	4.68 (0.43)
GRC	105131	2.07	102960	36.30 (1.25)	27.36 (0.60)	18.64 (0.61)	13.68 (0.75)	4.02 (0.34)
HUN	107044	0.17	106867	26.09 (1.13)	29.89 (0.83)	21.17 (0.68)	19.32 (0.78)	3.53 (0.40)
ISL	3928	0.69	3901	54.95 (0.80)	25.59 (0.72)	10.70 (0.56)	7.37 (0.43)	1.39 (0.22)
IRL	54850	1.31	54133	38.79 (1.43)	23.58 (0.74)	19.06 (0.78)	14.18 (0.63)	4.39 (0.40)
ITA	481521	2.27	470592	44.93 (0.98)	26.89 (0.73)	14.70 (0.56)	8.51 (0.46)	4.97 (0.43)
JPN	1240054	1.42	1222475	14.93 (0.83)	25.61 (0.89)	25.03 (0.77)	20.48 (0.80)	13.95 (0.71)
KOR	533504	0.12	532837	45.50 (0.97)	39.62 (0.73)	9.00 (0.49)	3.37 (0.31)	2.52 (0.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	43.84 (1.51)	24.05 (0.62)	10.10 (0.60)	5.48 (0.40)	16.52 (1.46)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	59.18 (1.08)	24.19 (0.74)	10.63 (0.54)	5.00 (0.41)	1.00 (0.16)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	47.88 (1.42)	27.42 (0.84)	13.21 (0.71)	6.74 (0.53)	4.75 (0.45)
PRT	96857	0.82	96058	55.41 (1.16)	24.31 (0.75)	12.06 (0.56)	4.43 (0.34)	3.79 (0.35)
SVK	77067	3.73	74195	18.23 (0.99)	19.99 (0.69)	24.52 (0.67)	23.84 (0.96)	13.41 (0.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	48.43 (1.06)	30.06 (0.75)	11.48 (0.53)	6.87 (0.43)	3.16 (0.29)
CHE	86491	0.48	86079	38.40 (1.31)	28.26 (0.80)	16.62 (0.51)	13.99 (0.72)	2.73 (0.24)
TUR	481279	13.78	414937	30.58 (1.66)	24.47 (1.11)	10.68 (0.70)	10.31 (0.63)	23.97 (1.55)
GBR	698579	91.67	58219	54.35 (1.58)	26.50 (1.05)	12.65 (0.79)	5.58 (0.46)	0.92 (.)
USA	3147089	2.76	3060301	67.58 (1.06)	18.10 (0.76)	7.82 (0.51)	3.33 (0.27)	3.17 (0.23)
TOT	.	19.76	.	47.67 (0.48)	23.97 (0.29)	12.82 (0.23)	8.45 (0.17)	7.09 (0.19)
AVG	.	22.13	.	44.66 (0.27)	25.89 (0.15)	14.28 (0.13)	9.62 (0.13)	5.56 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	26.58 (1.31)	26.85 (0.94)	21.70 (0.88)	18.19 (0.86)	6.68 (0.58)
LIE	338	0.30	337	70.41 (2.43)	16.01 (2.18)	8.70 (.)	2.43 (.)	2.45 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	24.02 (1.41)	19.17 (0.74)	19.92 (0.75)	22.51 (0.95)	14.38 (1.09)
YUG	68596	1.93	67275	15.35 (0.80)	25.13 (0.76)	23.32 (0.88)	19.81 (0.77)	16.38 (1.19)
THA	637076	5.83	599963	27.51 (1.36)	37.87 (0.98)	16.06 (0.80)	16.95 (1.03)	1.62 (0.25)
TUN	150875	33.84	99822	23.01 (1.75)	21.97 (0.96)	10.86 (0.73)	18.61 (1.01)	25.56 (1.31)
URY	33775	3.82	32486	59.20 (0.98)	16.79 (0.78)	6.23 (0.44)	5.40 (0.41)	12.38 (1.04)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a presentation (e.g. using <PowerPoint>).

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.93)	508 (3.60)	510 (5.50)	478 (9.00)	408 (8.92)
AUT	85931	1.17	84927	509 (3.72)	477 (4.99)	467 (7.35)	403 (9.66)	371 (21.66)
BEL	111831	2.30	109260	527 (2.80)	520 (3.06)	524 (4.22)	459 (8.42)	377 (11.43)
CAN	330436	10.12	296990	539 (1.70)	531 (2.67)	522 (3.53)	490 (4.40)	481 (6.01)
CZE	121183	4.31	115964	511 (3.53)	492 (3.09)	497 (3.76)	502 (4.97)	423 (9.38)
DNK	51741	0.70	51378	499 (2.96)	494 (3.90)	495 (4.15)	483 (6.07)	419 (13.47)
FIN	57884	0.07	57845	543 (2.27)	541 (2.46)	554 (2.77)	542 (4.80)	508 (10.12)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	513 (4.47)	501 (4.31)	515 (5.27)	493 (5.37)	397 (10.49)
GRC	105131	2.07	102960	490 (4.71)	465 (4.61)	478 (5.41)	461 (6.56)	398 (13.27)
HUN	107044	0.17	106867	501 (4.45)	483 (3.37)	487 (3.39)	467 (3.92)	392 (11.80)
ISL	3928	0.69	3901	495 (2.46)	496 (2.94)	496 (6.13)	483 (6.10)	341 (18.67)
IRL	54850	1.31	54133	529 (3.55)	516 (4.06)	520 (3.32)	495 (4.14)	439 (8.33)
ITA	481521	2.27	470592	482 (3.26)	483 (4.16)	487 (4.53)	470 (6.35)	401 (8.92)
JPN	1240054	1.42	1222475	531 (6.23)	513 (4.69)	507 (4.84)	474 (6.28)	462 (6.25)
KOR	533504	0.12	532837	548 (3.37)	531 (3.19)	521 (5.65)	482 (10.69)	456 (11.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	441 (4.03)	407 (5.06)	409 (5.74)	379 (6.44)	332 (6.59)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	533 (2.74)	525 (3.91)	515 (5.37)	487 (9.32)	409 (16.60)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (3.42)	492 (3.65)	500 (5.08)	487 (7.55)	437 (7.49)
PRT	96857	0.82	96058	489 (3.53)	473 (5.65)	473 (6.05)	441 (7.43)	413 (8.26)
SVK	77067	3.73	74195	500 (4.11)	483 (4.22)	480 (2.95)	472 (4.00)	406 (5.75)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	515 (2.93)	522 (2.95)	528 (5.07)	511 (6.83)	406 (13.67)
CHE	86491	0.48	86079	515 (4.26)	494 (4.48)	503 (4.25)	478 (5.32)	419 (12.47)
TUR	481279	13.78	414937	472 (10.03)	441 (7.53)	453 (7.48)	436 (7.02)	415 (5.46)
GBR	698579	91.67	58219	519 (2.85)	516 (4.88)	522 (5.19)	492 (9.39)	. (.)
USA	3147089	2.76	3060301	509 (2.90)	491 (4.29)	475 (7.91)	443 (7.61)	424 (9.30)
TOT	.	19.76	.	506 (1.47)	490 (1.79)	491 (2.24)	467 (2.55)	409 (3.57)
AVG	.	22.13	.	511 (0.74)	497 (1.06)	499 (1.18)	477 (1.41)	411 (2.36)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	500 (5.14)	487 (4.82)	494 (4.94)	496 (4.97)	450 (6.14)
LIE	338	0.30	337	525 (5.36)	526 (13.74)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	473 (4.32)	445 (5.62)	444 (5.00)	442 (5.41)	403 (6.15)
YUG	68596	1.93	67275	418 (6.33)	417 (3.92)	430 (4.57)	420 (3.90)	368 (5.55)
THA	637076	5.83	599963	445 (4.59)	419 (3.27)	417 (3.99)	402 (4.51)	377 (9.62)
TUN	150875	33.84	99822	399 (9.79)	384 (4.99)	392 (7.51)	389 (5.26)	348 (5.49)
URY	33775	3.82	32486	461 (3.61)	429 (8.00)	426 (9.24)	388 (8.66)	354 (6.90)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a presentation (e.g. using <PowerPoint>).

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (2.05)	503 (3.77)	502 (5.42)	466 (7.76)	428 (8.33)
AUT	85931	1.17	84927	522 (3.21)	491 (4.51)	478 (5.60)	432 (10.01)	407 (21.74)
BEL	111831	2.30	109260	552 (2.62)	540 (2.76)	542 (3.97)	478 (7.19)	408 (9.13)
CAN	330436	10.12	296990	547 (1.79)	531 (2.40)	516 (3.66)	487 (3.73)	486 (6.01)
CZE	121183	4.31	115964	552 (3.97)	518 (3.32)	514 (4.16)	516 (4.67)	440 (7.81)
DNK	51741	0.70	51378	528 (3.23)	512 (3.73)	505 (4.38)	492 (5.62)	449 (10.62)
FIN	57884	0.07	57845	553 (2.45)	540 (2.83)	542 (2.55)	534 (4.76)	512 (9.05)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	530 (4.38)	512 (4.06)	516 (4.93)	491 (5.14)	427 (9.34)
GRC	105131	2.07	102960	469 (4.67)	436 (4.53)	444 (4.16)	428 (5.26)	386 (7.89)
HUN	107044	0.17	106867	518 (4.64)	496 (3.59)	490 (3.50)	461 (3.96)	397 (9.41)
ISL	3928	0.69	3901	524 (2.42)	516 (3.56)	509 (5.43)	484 (5.34)	403 (15.51)
IRL	54850	1.31	54133	516 (3.31)	502 (3.98)	505 (3.53)	484 (4.23)	437 (6.93)
ITA	481521	2.27	470592	476 (2.89)	469 (4.44)	471 (4.73)	449 (5.53)	403 (6.26)
JPN	1240054	1.42	1222475	568 (6.77)	543 (5.44)	539 (4.44)	514 (5.87)	508 (5.92)
KOR	533504	0.12	532837	558 (3.98)	537 (3.31)	526 (5.64)	484 (10.67)	478 (9.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	425 (4.06)	388 (4.13)	386 (4.47)	363 (5.88)	324 (6.07)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	535 (2.52)	526 (3.82)	515 (5.07)	486 (8.85)	416 (14.72)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.88)	480 (3.08)	487 (4.52)	470 (6.69)	440 (6.71)
PRT	96857	0.82	96058	482 (3.09)	458 (4.63)	451 (6.08)	422 (6.71)	399 (6.37)
SVK	77067	3.73	74195	537 (4.06)	515 (4.46)	506 (2.81)	496 (3.30)	435 (6.24)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (3.22)	516 (3.13)	512 (5.84)	493 (6.21)	424 (11.75)
CHE	86491	0.48	86079	552 (4.05)	524 (4.83)	521 (4.49)	487 (4.86)	442 (10.24)
TUR	481279	13.78	414937	461 (12.06)	423 (7.70)	446 (8.27)	429 (8.06)	391 (6.13)
GBR	698579	91.67	58219	530 (2.87)	522 (4.42)	524 (5.10)	496 (9.23)	. (.)
USA	3147089	2.76	3060301	497 (2.88)	474 (3.70)	462 (6.50)	433 (6.43)	405 (8.29)
TOT	.	19.76	.	503 (1.45)	488 (1.65)	493 (2.13)	474 (2.52)	417 (3.69)
AVG	.	22.13	.	519 (0.75)	500 (1.00)	500 (1.10)	479 (1.40)	420 (2.36)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	506 (5.24)	482 (5.28)	479 (4.58)	478 (4.15)	438 (5.79)
LIE	338	0.30	337	538 (5.86)	532 (13.55)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	510 (4.86)	471 (5.24)	469 (4.81)	460 (5.64)	429 (5.54)
YUG	68596	1.93	67275	451 (6.16)	442 (4.45)	455 (4.36)	440 (4.20)	393 (5.37)
THA	637076	5.83	599963	446 (4.87)	416 (3.80)	410 (3.34)	400 (4.27)	368 (9.18)
TUN	150875	33.84	99822	397 (9.99)	366 (4.18)	373 (4.98)	369 (4.75)	337 (4.02)
URY	33775	3.82	32486	448 (3.68)	414 (4.45)	415 (6.59)	371 (6.33)	356 (5.66)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a presentation (e.g. using <PowerPoint>).

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (1.99)	501 (3.52)	499 (5.85)	466 (11.51)	426 (9.77)
AUT	85931	1.17	84927	509 (3.40)	474 (4.85)	462 (6.85)	400 (11.31)	390 (19.41)
BEL	111831	2.30	109260	530 (2.82)	518 (3.00)	521 (3.85)	458 (7.72)	389 (10.03)
CAN	330436	10.12	296990	533 (1.99)	518 (3.09)	506 (4.01)	475 (4.79)	471 (6.59)
CZE	121183	4.31	115964	555 (3.98)	522 (3.43)	524 (4.26)	525 (4.82)	448 (7.95)
DNK	51741	0.70	51378	492 (3.15)	471 (4.19)	466 (5.35)	454 (6.50)	384 (11.37)
FIN	57884	0.07	57845	556 (2.75)	546 (2.91)	548 (2.87)	535 (6.01)	505 (10.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	532 (4.76)	512 (4.50)	516 (5.37)	492 (5.80)	414 (10.34)
GRC	105131	2.07	102960	503 (4.86)	472 (4.07)	479 (4.92)	465 (6.37)	425 (9.80)
HUN	107044	0.17	106867	532 (4.54)	509 (4.06)	502 (3.86)	476 (4.07)	408 (11.24)
ISL	3928	0.69	3901	505 (2.28)	494 (3.15)	487 (6.84)	459 (6.25)	392 (16.36)
IRL	54850	1.31	54133	521 (3.58)	505 (4.41)	507 (3.71)	478 (4.96)	443 (7.99)
ITA	481521	2.27	470592	496 (3.23)	492 (4.46)	493 (5.18)	472 (6.37)	408 (7.92)
JPN	1240054	1.42	1222475	583 (7.08)	560 (5.36)	553 (5.07)	519 (6.29)	525 (6.29)
KOR	533504	0.12	532837	556 (4.23)	532 (3.61)	523 (6.26)	474 (12.59)	466 (10.40)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	440 (3.95)	404 (4.08)	408 (5.50)	386 (5.34)	355 (5.05)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	532 (2.74)	523 (4.16)	511 (5.68)	483 (8.59)	411 (15.62)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	515 (3.65)	488 (3.66)	493 (5.11)	480 (7.47)	445 (6.98)
PRT	96857	0.82	96058	484 (3.21)	459 (5.11)	456 (5.94)	424 (7.23)	400 (7.10)
SVK	77067	3.73	74195	536 (4.06)	514 (4.93)	505 (3.12)	494 (3.65)	428 (6.62)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	509 (3.39)	512 (3.71)	519 (5.99)	496 (8.42)	397 (12.69)
CHE	86491	0.48	86079	539 (4.37)	510 (4.79)	508 (4.70)	472 (6.49)	425 (10.52)
TUR	481279	13.78	414937	469 (10.68)	431 (7.28)	447 (7.48)	430 (6.70)	411 (5.19)
GBR	698579	91.67	58219	520 (3.26)	511 (5.36)	513 (6.13)	478 (11.20)	. (.)
USA	3147089	2.76	3060301	505 (2.88)	485 (4.20)	469 (7.13)	444 (7.46)	412 (10.42)
TOT	.	19.76	.	510 (1.48)	496 (1.75)	501 (2.20)	481 (2.58)	431 (3.60)
AVG	.	22.13	.	517 (0.73)	500 (1.01)	502 (1.10)	480 (1.42)	425 (2.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	509 (5.24)	488 (5.04)	488 (4.70)	484 (4.66)	438 (6.11)
LIE	338	0.30	337	526 (6.13)	522 (17.33)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	528 (5.48)	489 (5.33)	490 (4.66)	484 (5.78)	452 (6.31)
YUG	68596	1.93	67275	447 (5.93)	442 (4.21)	451 (4.28)	441 (3.91)	398 (5.23)
THA	637076	5.83	599963	456 (4.46)	428 (3.43)	425 (3.55)	411 (4.06)	397 (10.60)
TUN	150875	33.84	99822	413 (9.91)	395 (4.56)	400 (5.87)	397 (5.09)	357 (5.35)
URY	33775	3.82	32486	462 (3.17)	429 (5.39)	441 (8.79)	401 (6.85)	372 (5.84)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a presentation (e.g. using <PowerPoint>).

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	541 (1.81)	509 (3.65)	506 (5.42)	469 (9.54)	434 (8.62)
AUT	85931	1.17	84927	522 (3.12)	491 (4.14)	482 (6.23)	428 (10.20)	409 (21.35)
BEL	111831	2.30	109260	545 (2.60)	535 (2.60)	537 (3.93)	480 (6.26)	415 (9.31)
CAN	330436	10.12	296990	543 (1.73)	531 (2.42)	518 (3.49)	487 (4.66)	479 (6.94)
CZE	121183	4.31	115964	550 (3.53)	520 (3.43)	516 (4.12)	516 (5.13)	441 (8.18)
DNK	51741	0.70	51378	530 (2.87)	514 (3.73)	510 (3.99)	494 (5.77)	451 (11.81)
FIN	57884	0.07	57845	556 (2.48)	543 (2.67)	548 (2.91)	536 (4.73)	507 (9.12)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	537 (4.40)	520 (4.01)	525 (4.76)	502 (4.92)	428 (9.56)
GRC	105131	2.07	102960	471 (5.10)	438 (4.60)	451 (4.97)	432 (5.93)	386 (8.33)
HUN	107044	0.17	106867	528 (4.96)	505 (3.64)	504 (3.67)	476 (4.23)	403 (9.59)
ISL	3928	0.69	3901	512 (2.28)	504 (3.26)	501 (5.54)	481 (6.32)	399 (15.87)
IRL	54850	1.31	54133	513 (3.18)	498 (3.67)	500 (3.13)	477 (3.63)	431 (6.48)
ITA	481521	2.27	470592	479 (3.23)	474 (4.14)	477 (4.69)	455 (6.11)	398 (7.63)
JPN	1240054	1.42	1222475	580 (6.44)	557 (5.01)	554 (4.86)	525 (6.24)	517 (6.22)
KOR	533504	0.12	532837	564 (3.54)	547 (3.29)	536 (5.41)	495 (10.10)	496 (8.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	428 (4.55)	387 (5.04)	385 (6.49)	357 (7.79)	319 (6.17)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.88	46752	545 (2.47)	533 (3.65)	524 (4.88)	494 (8.54)	434 (14.49)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (3.37)	477 (3.19)	486 (4.66)	465 (6.39)	440 (7.50)
PRT	96857	0.82	96058	486 (3.34)	463 (5.36)	455 (7.25)	423 (7.73)	398 (8.19)
SVK	77067	3.73	74195	533 (4.03)	510 (4.15)	500 (3.17)	489 (3.30)	425 (5.86)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (2.88)	515 (3.18)	514 (5.75)	495 (5.62)	438 (11.62)
CHE	86491	0.48	86079	544 (3.85)	519 (4.53)	519 (4.75)	486 (4.81)	430 (10.62)
TUR	481279	13.78	414937	444 (10.70)	408 (6.98)	422 (7.01)	408 (7.11)	377 (5.79)
GBR	698579	91.67	58219	530 (2.99)	524 (4.66)	527 (4.97)	502 (8.92)	. (.)
USA	3147089	2.76	3060301	492 (3.00)	469 (4.05)	456 (6.88)	428 (7.22)	399 (9.29)
TOT	.	19.76	.	502 (1.49)	491 (1.82)	497 (2.39)	478 (2.73)	415 (3.94)
AVG	.	22.13	.	518 (0.73)	502 (1.04)	502 (1.19)	480 (1.42)	418 (2.49)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	504 (5.24)	480 (5.55)	480 (5.38)	477 (4.78)	435 (6.31)
LIE	338	0.30	337	531 (5.57)	527 (14.15)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	525 (5.15)	483 (6.18)	482 (5.15)	469 (6.26)	432 (6.32)
YUG	68596	1.93	67275	430 (6.08)	425 (4.07)	438 (4.33)	429 (4.01)	374 (5.47)
THA	637076	5.83	599963	455 (4.54)	424 (3.38)	421 (3.79)	403 (4.03)	379 (11.24)
TUN	150875	33.84	99822	374 (8.28)	354 (3.98)	364 (5.24)	357 (4.83)	320 (3.69)
URY	33775	3.82	32486	438 (4.28)	408 (6.07)	402 (9.03)	359 (6.86)	330 (5.79)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Play computer games.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	90.25 (0.43)	5.64 (0.24)	1.09 (0.12)	0.20 (0.05)	2.83 (0.34)
AUT	85931	1.17	84927	92.03 (0.62)	4.82 (0.42)	1.40 (0.22)	0.58 (.)	1.17 (0.24)
BEL	111831	2.30	109260	85.39 (0.62)	6.13 (0.34)	2.18 (0.20)	1.09 (0.16)	5.20 (0.53)
CAN	330436	10.12	296990	92.76 (0.33)	4.01 (0.19)	0.99 (0.12)	0.37 (0.04)	1.86 (0.18)
CZE	121183	4.31	115964	89.74 (0.64)	2.98 (0.28)	0.88 (0.14)	0.34 (.)	6.05 (0.49)
DNK	51741	0.70	51378	90.78 (0.50)	4.25 (0.37)	1.41 (0.17)	0.63 (.)	2.93 (0.35)
FIN	57884	0.07	57845	91.19 (0.37)	5.04 (0.27)	0.82 (0.12)	0.30 (.)	2.65 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	89.55 (0.63)	3.69 (0.33)	1.37 (0.18)	0.63 (.)	4.75 (0.45)
GRC	105131	2.07	102960	84.90 (0.82)	7.82 (0.56)	2.52 (0.25)	1.08 (0.14)	3.67 (0.34)
HUN	107044	0.17	106867	87.15 (0.64)	7.56 (0.45)	1.22 (0.16)	0.68 (0.13)	3.39 (0.38)
ISL	3928	0.69	3901	93.51 (0.42)	3.21 (0.33)	1.44 (0.17)	0.53 (.)	1.30 (0.20)
IRL	54850	1.31	54133	91.35 (0.55)	3.49 (0.33)	0.96 (0.17)	0.20 (.)	3.99 (0.40)
ITA	481521	2.27	470592	86.06 (0.68)	6.64 (0.41)	1.70 (0.17)	0.69 (0.15)	4.90 (0.43)
JPN	1240054	1.42	1222475	60.38 (1.08)	15.85 (0.67)	5.49 (0.30)	4.35 (0.38)	13.94 (0.73)
KOR	533504	0.12	532837	90.56 (0.56)	4.89 (0.39)	1.57 (0.19)	0.50 (.)	2.48 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	56.53 (1.52)	17.79 (0.78)	6.22 (0.38)	3.14 (0.33)	16.31 (1.41)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	92.77 (0.40)	5.28 (0.35)	1.14 (0.17)	0.29 (.)	0.53 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	84.56 (0.71)	7.33 (0.40)	2.31 (0.20)	1.09 (0.17)	4.72 (0.42)
PRT	96857	0.82	96058	87.48 (0.76)	5.95 (0.47)	2.08 (0.24)	0.75 (0.12)	3.74 (0.36)
SVK	77067	3.73	74195	76.61 (1.08)	6.94 (0.34)	1.91 (0.26)	1.96 (0.33)	12.59 (0.94)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	92.09 (0.43)	3.47 (0.33)	1.03 (0.16)	0.31 (.)	3.11 (0.28)
CHE	86491	0.48	86079	86.22 (0.51)	7.42 (0.43)	2.63 (0.20)	1.12 (0.24)	2.61 (0.22)
TUR	481279	13.78	414937	62.24 (1.91)	10.13 (0.85)	3.27 (0.34)	2.87 (0.35)	21.50 (1.49)
GBR	698579	91.67	58219	93.10 (0.57)	4.48 (0.40)	1.24 (0.22)	0.52 (.)	0.66 (.)
USA	3147089	2.76	3060301	92.23 (0.37)	3.48 (0.27)	0.86 (0.14)	0.44 (.)	2.99 (0.22)
TOT	.	19.76	.	81.92 (0.28)	7.48 (0.16)	2.37 (0.08)	1.39 (0.07)	6.84 (0.18)
AVG	.	22.13	.	85.52 (0.16)	6.34 (0.08)	1.91 (0.04)	0.99 (0.04)	5.23 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	82.28 (0.90)	7.41 (0.52)	2.88 (0.44)	0.99 (0.19)	6.45 (0.60)
LIE	338	0.30	337	93.90 (1.29)	2.11 (.)	1.83 (.)	. (.)	2.15 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	72.77 (1.49)	7.01 (0.40)	4.00 (0.39)	2.84 (0.34)	13.38 (1.09)
YUG	68596	1.90	67293	73.43 (1.31)	5.74 (0.48)	2.67 (0.31)	2.59 (0.29)	15.58 (1.17)
THA	637076	5.83	599963	70.73 (1.05)	21.74 (0.85)	3.63 (0.26)	2.84 (0.34)	1.05 (0.19)
TUN	150875	33.84	99822	43.72 (1.48)	15.07 (0.67)	6.66 (0.51)	6.83 (0.63)	27.72 (1.34)
URY	33775	3.82	32486	76.10 (1.12)	7.71 (0.49)	2.16 (0.23)	1.53 (0.21)	12.50 (1.00)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Play computer games.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.86)	500 (5.32)	471 (11.74)	445 (26.78)	413 (9.25)
AUT	85931	1.17	84927	498 (3.21)	452 (13.90)	471 (15.79)	. (.)	389 (19.56)
BEL	111831	2.30	109260	523 (2.56)	495 (6.86)	456 (10.30)	385 (14.91)	378 (12.86)
CAN	330436	10.12	296990	535 (1.54)	516 (5.58)	487 (12.30)	463 (14.62)	461 (7.91)
CZE	121183	4.31	115964	502 (2.68)	478 (10.00)	474 (18.57)	. (.)	424 (8.83)
DNK	51741	0.70	51378	496 (2.63)	486 (8.97)	492 (12.79)	. (.)	417 (14.46)
FIN	57884	0.07	57845	545 (1.54)	540 (6.02)	505 (18.51)	. (.)	510 (9.52)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	509 (3.29)	477 (10.48)	459 (18.19)	. (.)	405 (10.66)
GRC	105131	2.07	102960	483 (4.10)	426 (7.49)	416 (12.52)	395 (12.70)	395 (13.80)
HUN	107044	0.17	106867	488 (2.48)	469 (7.64)	447 (16.09)	416 (14.29)	393 (12.30)
ISL	3928	0.69	3901	497 (1.53)	446 (10.82)	456 (18.75)	. (.)	336 (20.00)
IRL	54850	1.31	54133	520 (2.55)	497 (8.40)	475 (11.34)	. (.)	441 (8.87)
ITA	481521	2.27	470592	488 (2.35)	431 (9.52)	425 (14.19)	411 (26.73)	394 (10.19)
JPN	1240054	1.42	1222475	521 (4.05)	485 (5.41)	466 (8.03)	411 (11.92)	462 (6.31)
KOR	533504	0.12	532837	536 (3.02)	543 (6.69)	524 (13.69)	. (.)	457 (11.70)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (4.18)	401 (4.51)	396 (6.90)	361 (8.63)	330 (6.61)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	529 (2.37)	493 (9.03)	480 (20.13)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (2.64)	459 (6.90)	438 (10.80)	445 (17.54)	439 (7.73)
PRT	96857	0.82	96058	487 (3.35)	423 (9.63)	409 (12.03)	397 (19.21)	420 (9.30)
SVK	77067	3.73	74195	488 (2.42)	454 (6.21)	433 (10.44)	395 (8.82)	408 (5.66)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	519 (2.30)	506 (12.16)	493 (14.14)	. (.)	411 (13.80)
CHE	86491	0.48	86079	506 (3.25)	474 (6.68)	468 (8.15)	423 (26.38)	426 (10.46)
TUR	481279	13.78	414937	465 (6.96)	411 (7.78)	402 (11.72)	397 (9.47)	417 (6.25)
GBR	698579	91.67	58219	519 (2.64)	505 (10.05)	474 (18.43)	. (.)	. (.)
USA	3147089	2.76	3060301	504 (2.87)	437 (9.83)	434 (21.08)	. (.)	427 (9.35)
TOT	.	19.76	.	503 (1.28)	452 (2.81)	439 (4.96)	397 (5.89)	410 (3.72)
AVG	.	22.13	.	507 (0.68)	463 (2.11)	447 (2.86)	405 (4.33)	411 (2.57)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (3.73)	473 (7.52)	453 (15.11)	451 (28.46)	452 (6.43)
LIE	338	0.30	337	527 (3.81)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	458 (3.95)	424 (8.10)	414 (9.09)	393 (9.62)	406 (5.94)
YUG	68596	1.90	67293	426 (3.46)	391 (7.49)	392 (11.41)	372 (9.12)	368 (5.63)
THA	637076	5.83	599963	431 (3.36)	405 (3.72)	402 (9.43)	387 (9.73)	367 (11.01)
TUN	150875	33.84	99822	413 (6.06)	363 (5.54)	359 (7.26)	352 (9.34)	349 (5.07)
URY	33775	3.82	32486	457 (3.31)	392 (10.57)	400 (15.44)	357 (13.92)	356 (7.39)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Play computer games.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.98)	494 (4.75)	461 (9.64)	468 (22.60)	431 (8.85)
AUT	85931	1.17	84927	511 (2.89)	473 (10.42)	472 (12.61)	. (.)	416 (20.09)
BEL	111831	2.30	109260	545 (2.42)	512 (6.36)	474 (9.15)	421 (13.32)	410 (10.35)
CAN	330436	10.12	296990	540 (1.60)	512 (5.44)	488 (10.95)	458 (13.39)	466 (8.03)
CZE	121183	4.31	115964	529 (3.16)	497 (9.52)	487 (17.77)	. (.)	442 (7.33)
DNK	51741	0.70	51378	519 (2.67)	493 (8.11)	508 (13.23)	. (.)	445 (12.12)
FIN	57884	0.07	57845	547 (1.85)	529 (6.06)	513 (16.86)	. (.)	517 (9.03)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	518 (3.32)	481 (9.31)	459 (15.34)	. (.)	433 (8.91)
GRC	105131	2.07	102960	455 (3.93)	403 (6.04)	395 (8.18)	391 (13.53)	382 (8.45)
HUN	107044	0.17	106867	497 (2.89)	471 (6.55)	440 (13.14)	404 (13.77)	395 (9.41)
ISL	3928	0.69	3901	520 (1.45)	472 (8.65)	470 (13.00)	. (.)	404 (16.34)
IRL	54850	1.31	54133	507 (2.42)	481 (8.10)	466 (12.00)	. (.)	440 (7.59)
ITA	481521	2.27	470592	476 (2.76)	422 (6.96)	425 (10.58)	419 (17.85)	399 (6.64)
JPN	1240054	1.42	1222475	553 (4.19)	519 (5.53)	504 (6.93)	458 (10.68)	508 (5.92)
KOR	533504	0.12	532837	546 (3.21)	529 (7.88)	509 (13.00)	. (.)	481 (9.89)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	419 (3.86)	383 (3.77)	376 (5.60)	345 (5.83)	324 (6.26)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	530 (2.21)	497 (6.84)	482 (15.30)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.37)	448 (6.29)	435 (8.77)	443 (13.01)	440 (7.34)
PRT	96857	0.82	96058	475 (3.06)	414 (8.01)	400 (10.90)	375 (15.61)	404 (7.34)
SVK	77067	3.73	74195	518 (2.53)	477 (5.98)	458 (11.06)	432 (9.76)	436 (6.41)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.55)	487 (11.20)	452 (13.32)	. (.)	429 (11.50)
CHE	86491	0.48	86079	535 (3.46)	493 (6.48)	480 (7.00)	440 (18.69)	441 (9.53)
TUR	481279	13.78	414937	452 (8.51)	398 (7.27)	389 (11.23)	388 (10.08)	394 (6.78)
GBR	698579	91.67	58219	527 (2.38)	510 (9.85)	476 (19.62)	. (.)	. (.)
USA	3147089	2.76	3060301	491 (2.66)	425 (9.35)	436 (15.37)	. (.)	408 (8.55)
TOT	.	19.76	.	502 (1.15)	453 (2.65)	444 (4.36)	415 (5.46)	418 (3.79)
AVG	.	22.13	.	512 (0.68)	464 (1.86)	449 (3.12)	418 (3.59)	421 (2.49)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	491 (3.83)	465 (9.56)	447 (11.88)	441 (22.76)	440 (5.84)
LIE	338	0.30	337	538 (4.60)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	486 (4.40)	446 (7.13)	433 (7.76)	419 (9.91)	431 (5.32)
YUG	68596	1.90	67293	452 (3.81)	408 (7.50)	413 (8.71)	396 (7.68)	393 (5.51)
THA	637076	5.83	599963	429 (3.35)	402 (3.87)	394 (7.10)	376 (10.22)	351 (12.50)
TUN	150875	33.84	99822	400 (5.86)	349 (3.89)	347 (5.38)	339 (5.75)	337 (4.04)
URY	33775	3.82	32486	442 (3.36)	388 (6.67)	391 (8.14)	350 (11.27)	356 (5.50)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Play computer games.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (1.94)	488 (5.32)	459 (10.28)	450 (28.81)	431 (9.95)
AUT	85931	1.17	84927	497 (3.05)	448 (11.85)	460 (14.06)	. (.)	400 (19.20)
BEL	111831	2.30	109260	524 (2.50)	491 (6.72)	456 (10.78)	396 (13.13)	393 (11.22)
CAN	330436	10.12	296990	526 (1.82)	497 (5.96)	467 (13.10)	451 (15.18)	451 (8.93)
CZE	121183	4.31	115964	535 (3.01)	504 (9.84)	494 (20.68)	. (.)	450 (7.42)
DNK	51741	0.70	51378	481 (2.80)	453 (9.71)	462 (15.45)	. (.)	381 (13.74)
FIN	57884	0.07	57845	551 (1.88)	531 (6.83)	510 (16.38)	. (.)	510 (10.14)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (3.55)	477 (11.18)	466 (17.28)	. (.)	420 (10.28)
GRC	105131	2.07	102960	491 (3.81)	436 (5.88)	427 (10.26)	413 (13.52)	426 (11.80)
HUN	107044	0.17	106867	511 (2.83)	479 (7.34)	466 (15.76)	412 (16.99)	406 (11.39)
ISL	3928	0.69	3901	500 (1.55)	441 (9.92)	433 (16.00)	. (.)	393 (17.49)
IRL	54850	1.31	54133	510 (2.68)	474 (9.74)	454 (11.17)	. (.)	445 (8.49)
ITA	481521	2.27	470592	498 (2.71)	441 (8.98)	447 (11.99)	418 (27.24)	404 (8.20)
JPN	1240054	1.42	1222475	568 (4.46)	530 (5.57)	517 (8.68)	464 (11.75)	525 (6.45)
KOR	533504	0.12	532837	542 (3.55)	529 (8.51)	509 (13.11)	. (.)	467 (10.77)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	434 (3.65)	400 (3.97)	399 (5.24)	370 (7.55)	354 (4.95)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	528 (2.36)	488 (8.01)	474 (18.42)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (2.78)	451 (6.54)	429 (11.75)	447 (21.81)	448 (7.19)
PRT	96857	0.82	96058	478 (3.12)	409 (8.79)	397 (11.45)	376 (16.73)	407 (6.56)
SVK	77067	3.73	74195	516 (2.62)	476 (6.65)	456 (11.35)	429 (11.73)	429 (6.81)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (2.68)	488 (13.55)	461 (18.20)	. (.)	402 (12.19)
CHE	86491	0.48	86079	522 (3.62)	478 (6.67)	468 (9.16)	399 (28.01)	426 (8.71)
TUR	481279	13.78	414937	458 (7.51)	408 (7.22)	395 (11.82)	396 (8.68)	413 (5.63)
GBR	698579	91.67	58219	517 (2.85)	498 (11.91)	451 (21.37)	. (.)	. (.)
USA	3147089	2.76	3060301	500 (2.81)	437 (9.17)	428 (20.99)	. (.)	415 (10.34)
TOT	.	19.76	.	508 (1.22)	462 (2.56)	453 (5.16)	423 (5.43)	432 (3.66)
AVG	.	22.13	.	512 (0.65)	466 (1.79)	451 (3.01)	417 (4.07)	427 (2.34)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (3.91)	467 (9.90)	449 (12.18)	443 (26.06)	438 (6.60)
LIE	338	0.30	337	526 (4.74)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	505 (4.35)	469 (7.51)	454 (9.57)	439 (12.14)	455 (5.89)
YUG	68596	1.90	67293	450 (3.46)	409 (7.03)	414 (9.17)	401 (9.35)	398 (5.47)
THA	637076	5.83	599963	441 (3.15)	413 (3.91)	405 (8.60)	393 (11.73)	376 (11.79)
TUN	150875	33.84	99822	420 (5.90)	378 (5.31)	372 (6.40)	373 (7.44)	359 (4.88)
URY	33775	3.82	32486	457 (3.10)	407 (7.30)	409 (12.83)	377 (13.29)	374 (5.65)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Play computer games.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.76)	498 (4.79)	467 (10.11)	446 (28.30)	437 (9.14)
AUT	85931	1.17	84927	512 (2.83)	472 (10.40)	471 (13.87)	. (.)	418 (19.40)
BEL	111831	2.30	109260	540 (2.26)	507 (5.88)	466 (9.90)	424 (11.63)	416 (10.52)
CAN	330436	10.12	296990	538 (1.55)	510 (5.62)	480 (12.17)	452 (11.88)	457 (7.81)
CZE	121183	4.31	115964	530 (2.97)	494 (9.07)	475 (18.19)	. (.)	443 (7.58)
DNK	51741	0.70	51378	521 (2.39)	492 (7.67)	498 (11.63)	. (.)	447 (13.27)
FIN	57884	0.07	57845	550 (1.86)	536 (6.00)	515 (15.05)	. (.)	511 (8.82)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	526 (3.25)	494 (9.44)	465 (14.59)	. (.)	435 (9.36)
GRC	105131	2.07	102960	459 (4.09)	405 (6.16)	402 (10.36)	393 (13.96)	385 (8.55)
HUN	107044	0.17	106867	508 (2.84)	482 (6.59)	453 (15.92)	423 (14.64)	402 (10.00)
ISL	3928	0.69	3901	510 (1.43)	458 (9.09)	461 (13.15)	. (.)	394 (16.98)
IRL	54850	1.31	54133	503 (2.32)	476 (7.55)	457 (10.89)	. (.)	434 (7.70)
ITA	481521	2.27	470592	481 (2.55)	422 (9.46)	425 (12.49)	407 (24.01)	394 (8.42)
JPN	1240054	1.42	1222475	569 (4.18)	529 (5.42)	515 (7.95)	465 (11.17)	517 (6.18)
KOR	533504	0.12	532837	553 (3.07)	543 (6.96)	521 (13.29)	. (.)	497 (8.38)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	422 (4.62)	380 (5.29)	372 (8.14)	342 (9.66)	319 (6.16)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	539 (2.11)	505 (7.15)	488 (15.16)	. (.)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (2.63)	441 (6.26)	423 (9.07)	436 (15.43)	441 (7.74)
PRT	96857	0.82	96058	480 (3.45)	416 (9.21)	394 (11.37)	379 (18.47)	403 (9.82)
SVK	77067	3.73	74195	513 (2.45)	469 (6.40)	447 (11.38)	417 (12.91)	426 (6.05)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.33)	491 (10.15)	454 (16.49)	. (.)	442 (11.21)
CHE	86491	0.48	86079	529 (3.04)	491 (6.93)	475 (7.95)	429 (22.50)	434 (9.55)
TUR	481279	13.78	414937	434 (7.23)	379 (7.66)	371 (11.75)	366 (9.29)	380 (6.38)
GBR	698579	91.67	58219	528 (2.47)	511 (10.54)	483 (19.60)	. (.)	. (.)
USA	3147089	2.76	3060301	486 (2.83)	423 (9.75)	428 (16.01)	. (.)	402 (9.29)
TOT	.	19.76	.	503 (1.22)	454 (2.93)	444 (4.79)	413 (5.58)	417 (3.96)
AVG	.	22.13	.	513 (0.67)	464 (2.03)	447 (3.20)	414 (3.74)	419 (2.64)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	491 (3.97)	460 (8.82)	434 (12.91)	434 (26.53)	437 (6.27)
LIE	338	0.30	337	531 (4.33)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	499 (4.60)	449 (8.52)	441 (7.74)	411 (9.05)	435 (5.79)
YUG	68596	1.90	67293	435 (3.39)	397 (7.41)	400 (9.35)	386 (6.59)	374 (5.49)
THA	637076	5.83	599963	438 (3.12)	409 (3.95)	405 (7.63)	379 (10.09)	358 (12.67)
TUN	150875	33.84	99822	381 (4.48)	337 (4.78)	335 (5.87)	333 (7.06)	322 (3.61)
URY	33775	3.82	32486	433 (3.56)	370 (8.72)	386 (13.17)	329 (12.47)	333 (5.75)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Download music from the Internet.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	76.27 (0.54)	14.33 (0.43)	5.46 (0.25)	0.95 (0.11)	2.98 (0.33)
AUT	85931	1.17	84927	69.66 (0.85)	18.97 (0.78)	8.30 (0.50)	1.59 (0.21)	1.49 (0.26)
BEL	111831	2.30	109260	71.41 (0.64)	14.16 (0.40)	6.82 (0.35)	2.21 (0.23)	5.40 (0.53)
CAN	330436	10.12	296990	88.73 (0.35)	6.33 (0.28)	2.32 (0.18)	0.36 (0.05)	2.27 (0.18)
CZE	121183	4.31	115964	58.44 (1.09)	22.07 (0.64)	11.48 (0.57)	1.55 (0.19)	6.45 (0.52)
DNK	51741	0.70	51378	62.11 (0.80)	18.50 (0.55)	13.75 (0.66)	2.35 (0.26)	3.28 (0.38)
FIN	57884	0.07	57845	58.13 (0.76)	21.81 (0.64)	15.85 (0.51)	1.62 (0.17)	2.60 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	64.33 (0.78)	18.68 (0.63)	9.64 (0.51)	2.30 (0.28)	5.06 (0.40)
GRC	105131	2.07	102960	59.53 (1.03)	23.48 (0.76)	10.39 (0.63)	2.76 (0.30)	3.84 (0.35)
HUN	107044	0.17	106867	48.38 (0.86)	30.35 (0.70)	13.57 (0.58)	3.84 (0.37)	3.86 (0.38)
ISL	3928	0.69	3901	77.28 (0.65)	15.49 (0.60)	4.97 (0.37)	0.61 (.)	1.65 (0.22)
IRL	54850	1.31	54133	52.45 (1.03)	24.09 (0.64)	17.20 (0.76)	1.93 (0.21)	4.33 (0.41)
ITA	481521	2.27	470592	52.96 (0.94)	22.26 (0.55)	16.14 (0.61)	3.51 (0.32)	5.14 (0.42)
JPN	1240054	1.42	1222475	30.36 (0.85)	27.85 (0.68)	19.71 (0.61)	8.07 (0.41)	14.01 (0.73)
KOR	533504	0.12	532837	94.82 (0.36)	2.18 (0.24)	0.24 (.)	0.21 (.)	2.54 (0.23)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	40.45 (1.48)	27.15 (0.94)	10.78 (0.64)	4.14 (0.37)	17.48 (1.42)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	75.50 (0.68)	16.31 (0.59)	6.20 (0.37)	1.27 (0.18)	0.72 (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	54.12 (0.96)	24.43 (0.68)	12.71 (0.55)	3.92 (0.34)	4.83 (0.44)
PRT	96857	0.82	96058	53.73 (1.21)	24.78 (0.78)	13.49 (0.61)	4.05 (0.30)	3.95 (0.36)
SVK	77067	3.73	74195	33.82 (0.87)	24.04 (0.71)	21.76 (0.74)	7.17 (0.47)	13.21 (0.93)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	75.17 (0.88)	14.74 (0.74)	6.04 (0.38)	0.77 (0.14)	3.28 (0.29)
CHE	86491	0.48	86079	62.47 (0.65)	20.44 (0.53)	11.58 (0.64)	2.74 (0.32)	2.77 (0.26)
TUR	481279	13.78	414937	46.46 (1.43)	19.45 (0.65)	6.68 (0.41)	5.23 (0.43)	22.18 (1.44)
GBR	698579	91.67	58219	73.69 (1.06)	16.17 (0.89)	7.93 (0.54)	1.30 (0.25)	0.90 (.)
USA	3147089	2.76	3060301	79.86 (0.60)	11.57 (0.43)	4.25 (0.27)	1.25 (0.18)	3.07 (0.23)
TOT	.	19.76	.	63.07 (0.33)	17.81 (0.21)	9.04 (0.16)	2.97 (0.09)	7.11 (0.19)
AVG	.	22.13	.	62.09 (0.19)	19.30 (0.12)	10.42 (0.11)	2.66 (0.06)	5.53 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	47.14 (1.33)	24.83 (0.89)	16.44 (0.99)	4.92 (0.48)	6.67 (0.62)
LIE	338	0.30	337	74.94 (2.45)	15.67 (1.84)	5.73 (.)	1.21 (.)	2.45 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	28.93 (1.45)	20.24 (0.87)	23.40 (0.89)	13.04 (0.67)	14.40 (1.06)
YUG	68596	1.93	67275	38.09 (1.06)	21.57 (0.65)	17.73 (0.87)	6.54 (0.44)	16.07 (1.22)
THA	637076	5.83	599963	24.76 (1.09)	37.74 (1.03)	17.63 (0.67)	18.03 (1.14)	1.84 (0.28)
TUN	150875	33.84	99822	26.53 (1.23)	21.55 (0.85)	14.19 (0.66)	11.10 (0.73)	26.63 (1.38)
URY	33775	3.82	32486	44.63 (1.00)	23.87 (0.77)	12.90 (0.73)	5.44 (0.37)	13.15 (0.97)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Download music from the Internet.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (1.93)	529 (3.64)	529 (5.16)	434 (18.67)	414 (9.00)
AUT	85931	1.17	84927	497 (3.50)	497 (4.77)	488 (7.24)	441 (12.07)	390 (16.42)
BEL	111831	2.30	109260	524 (2.68)	510 (4.10)	517 (5.13)	412 (16.24)	378 (12.65)
CAN	330436	10.12	296990	533 (1.59)	535 (3.85)	529 (7.92)	465 (19.95)	471 (6.75)
CZE	121183	4.31	115964	500 (2.97)	503 (3.67)	505 (5.56)	462 (11.35)	426 (8.25)
DNK	51741	0.70	51378	490 (2.73)	502 (4.19)	512 (4.58)	473 (11.82)	416 (14.28)
FIN	57884	0.07	57845	539 (1.87)	550 (2.99)	560 (2.92)	504 (11.88)	507 (9.78)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	507 (3.45)	510 (5.25)	512 (5.62)	428 (10.35)	412 (11.65)
GRC	105131	2.07	102960	482 (4.51)	471 (4.73)	469 (8.23)	420 (11.16)	399 (13.41)
HUN	107044	0.17	106867	489 (2.68)	486 (3.31)	486 (4.27)	433 (7.62)	398 (11.45)
ISL	3928	0.69	3901	491 (1.77)	512 (4.61)	501 (10.66)	. (.)	361 (17.61)
IRL	54850	1.31	54133	516 (2.99)	524 (3.79)	526 (3.83)	469 (12.39)	439 (8.59)
ITA	481521	2.27	470592	485 (2.95)	483 (3.98)	482 (4.62)	429 (10.43)	399 (8.69)
JPN	1240054	1.42	1222475	520 (4.55)	510 (4.42)	504 (4.56)	434 (8.14)	462 (6.22)
KOR	533504	0.12	532837	537 (3.03)	507 (10.41)	. (.)	. (.)	462 (11.37)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	437 (4.38)	416 (4.25)	411 (4.87)	372 (7.71)	334 (6.44)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	526 (2.41)	533 (4.52)	524 (7.36)	447 (14.08)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.99)	497 (3.91)	505 (5.37)	458 (8.79)	439 (7.46)
PRT	96857	0.82	96058	492 (3.80)	466 (5.28)	476 (5.26)	439 (6.57)	418 (9.20)
SVK	77067	3.73	74195	483 (3.55)	489 (3.35)	488 (3.13)	441 (6.65)	408 (5.94)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	516 (2.51)	528 (4.24)	529 (6.97)	472 (16.72)	419 (13.67)
CHE	86491	0.48	86079	503 (3.50)	505 (4.26)	506 (4.47)	435 (10.82)	422 (11.11)
TUR	481279	13.78	414937	464 (7.87)	444 (7.15)	438 (10.05)	407 (7.49)	416 (5.87)
GBR	698579	91.67	58219	517 (3.03)	522 (5.37)	521 (5.43)	467 (17.70)	. (.)
USA	3147089	2.76	3060301	504 (2.73)	489 (6.34)	498 (8.16)	400 (12.61)	432 (9.21)
TOT	.	19.76	.	504 (1.27)	485 (2.19)	489 (2.30)	421 (3.77)	411 (3.66)
AVG	.	22.13	.	507 (0.69)	497 (1.08)	500 (1.43)	434 (2.49)	412 (2.44)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	492 (4.36)	494 (4.31)	506 (5.47)	471 (9.35)	453 (5.96)
LIE	338	0.30	337	525 (4.56)	518 (15.29)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	462 (4.79)	451 (5.52)	453 (5.01)	428 (5.39)	406 (6.64)
YUG	68596	1.93	67275	427 (4.04)	416 (4.26)	427 (4.41)	390 (5.02)	369 (5.76)
THA	637076	5.83	599963	447 (4.89)	417 (3.61)	421 (3.24)	405 (3.48)	371 (8.89)
TUN	150875	33.84	99822	404 (6.55)	389 (5.11)	386 (7.44)	372 (6.24)	349 (5.01)
URY	33775	3.82	32486	462 (4.39)	440 (4.28)	441 (6.68)	384 (9.13)	360 (6.65)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Download music from the Internet.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.05)	522 (3.25)	516 (4.69)	436 (18.71)	432 (8.20)
AUT	85931	1.17	84927	513 (3.29)	503 (4.11)	494 (5.61)	471 (12.64)	416 (16.04)
BEL	111831	2.30	109260	547 (2.45)	525 (3.98)	532 (4.32)	439 (15.11)	411 (10.19)
CAN	330436	10.12	296990	539 (1.66)	531 (3.75)	525 (7.39)	468 (18.89)	478 (6.58)
CZE	121183	4.31	115964	533 (3.58)	523 (4.01)	520 (5.22)	472 (12.02)	440 (6.81)
DNK	51741	0.70	51378	518 (2.77)	515 (4.46)	520 (4.14)	479 (10.67)	447 (11.86)
FIN	57884	0.07	57845	549 (2.13)	538 (3.08)	546 (3.45)	497 (10.56)	516 (9.10)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (3.59)	512 (4.70)	514 (5.35)	442 (11.92)	439 (9.57)
GRC	105131	2.07	102960	457 (4.46)	439 (4.59)	438 (5.46)	381 (8.62)	384 (8.55)
HUN	107044	0.17	106867	504 (3.18)	489 (3.49)	485 (4.27)	434 (7.42)	406 (10.05)
ISL	3928	0.69	3901	516 (1.63)	525 (3.57)	512 (9.00)	. (.)	423 (16.24)
IRL	54850	1.31	54133	508 (2.90)	505 (3.44)	506 (3.70)	464 (9.05)	437 (7.43)
ITA	481521	2.27	470592	480 (3.11)	464 (3.91)	463 (4.27)	410 (10.11)	403 (6.43)
JPN	1240054	1.42	1222475	553 (5.07)	543 (4.84)	539 (4.18)	476 (7.04)	507 (5.97)
KOR	533504	0.12	532837	545 (3.24)	511 (10.76)	. (.)	. (.)	484 (9.50)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	419 (4.03)	398 (4.01)	395 (4.47)	357 (6.28)	326 (5.92)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	530 (2.23)	527 (4.27)	521 (6.43)	440 (12.82)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.49)	484 (3.48)	484 (4.62)	447 (7.62)	440 (6.89)
PRT	96857	0.82	96058	487 (3.45)	449 (4.31)	452 (4.81)	413 (6.46)	404 (6.52)
SVK	77067	3.73	74195	519 (3.50)	516 (3.25)	510 (3.40)	471 (5.58)	437 (6.55)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (2.78)	517 (4.57)	510 (6.70)	446 (17.29)	435 (11.63)
CHE	86491	0.48	86079	535 (3.81)	525 (3.96)	522 (4.16)	453 (8.73)	443 (9.92)
TUR	481279	13.78	414937	454 (9.62)	425 (8.10)	429 (10.69)	396 (9.09)	392 (6.32)
GBR	698579	91.67	58219	525 (2.71)	527 (4.65)	530 (5.14)	488 (17.61)	. (.)
USA	3147089	2.76	3060301	492 (2.69)	470 (4.69)	480 (7.23)	397 (12.47)	411 (8.68)
TOT	.	19.76	.	503 (1.23)	482 (1.95)	491 (2.18)	432 (3.48)	418 (3.78)
AVG	.	22.13	.	514 (0.69)	495 (1.12)	498 (1.23)	439 (2.41)	422 (2.42)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	492 (4.44)	485 (4.40)	490 (5.36)	448 (8.17)	439 (5.41)
LIE	338	0.30	337	540 (5.14)	513 (13.56)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	494 (5.33)	475 (5.40)	475 (4.61)	456 (5.41)	432 (5.57)
YUG	68596	1.93	67275	455 (4.59)	439 (4.11)	449 (4.42)	413 (5.15)	393 (5.47)
THA	637076	5.83	599963	449 (4.72)	414 (3.61)	415 (3.62)	400 (3.94)	366 (7.71)
TUN	150875	33.84	99822	393 (6.42)	374 (4.33)	371 (5.75)	359 (4.82)	338 (4.41)
URY	33775	3.82	32486	450 (4.27)	422 (3.80)	428 (5.10)	379 (6.74)	358 (5.41)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Download music from the Internet.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.07)	523 (3.78)	520 (5.12)	440 (20.78)	431 (9.50)
AUT	85931	1.17	84927	499 (3.52)	489 (3.95)	478 (6.87)	442 (12.57)	406 (15.33)
BEL	111831	2.30	109260	526 (2.58)	504 (4.12)	511 (4.65)	420 (14.21)	393 (10.96)
CAN	330436	10.12	296990	525 (1.90)	522 (4.47)	519 (8.30)	467 (21.12)	463 (8.30)
CZE	121183	4.31	115964	537 (3.49)	531 (4.19)	530 (5.47)	485 (13.08)	450 (7.00)
DNK	51741	0.70	51378	481 (2.91)	476 (4.88)	480 (5.55)	441 (11.19)	384 (13.61)
FIN	57884	0.07	57845	552 (2.20)	544 (3.42)	553 (3.62)	496 (13.54)	506 (10.13)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (3.81)	511 (5.36)	515 (6.04)	436 (13.34)	429 (11.35)
GRC	105131	2.07	102960	493 (4.30)	474 (4.87)	471 (6.89)	426 (10.74)	427 (11.03)
HUN	107044	0.17	106867	517 (3.24)	504 (3.43)	497 (4.61)	444 (9.04)	414 (11.77)
ISL	3928	0.69	3901	497 (1.68)	500 (4.84)	485 (11.02)	. (.)	412 (16.63)
IRL	54850	1.31	54133	511 (3.11)	506 (4.14)	509 (4.28)	451 (10.98)	441 (7.89)
ITA	481521	2.27	470592	502 (3.14)	487 (4.20)	485 (4.75)	428 (11.72)	408 (7.73)
JPN	1240054	1.42	1222475	568 (5.29)	556 (4.78)	550 (5.32)	485 (8.36)	524 (6.34)
KOR	533504	0.12	532837	542 (3.51)	506 (12.85)	. (.)	. (.)	473 (10.67)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	436 (3.97)	413 (4.19)	415 (4.15)	379 (5.67)	356 (4.86)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	527 (2.46)	524 (4.78)	516 (7.16)	437 (12.79)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	513 (3.07)	490 (3.84)	492 (5.80)	448 (9.98)	448 (7.22)
PRT	96857	0.82	96058	488 (3.60)	452 (4.88)	454 (4.99)	417 (9.11)	407 (6.80)
SVK	77067	3.73	74195	518 (3.65)	515 (3.27)	507 (3.58)	466 (6.40)	430 (7.12)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	508 (2.88)	517 (5.37)	518 (7.16)	458 (16.47)	410 (12.75)
CHE	86491	0.48	86079	523 (3.93)	511 (4.50)	509 (4.70)	427 (14.53)	428 (10.92)
TUR	481279	13.78	414937	459 (8.45)	436 (7.13)	433 (10.18)	403 (8.49)	412 (5.31)
GBR	698579	91.67	58219	517 (3.10)	510 (5.59)	510 (6.08)	447 (21.00)	. (.)
USA	3147089	2.76	3060301	500 (2.73)	481 (5.89)	489 (7.60)	414 (10.77)	418 (10.50)
TOT	.	19.76	.	508 (1.29)	492 (2.14)	500 (2.34)	441 (3.61)	432 (3.65)
AVG	.	22.13	.	513 (0.69)	498 (1.06)	500 (1.34)	441 (2.46)	427 (2.28)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	497 (4.50)	492 (4.61)	497 (5.65)	452 (10.92)	439 (6.09)
LIE	338	0.30	337	529 (5.39)	498 (14.93)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (5.34)	494 (5.50)	497 (5.02)	475 (5.80)	455 (6.75)
YUG	68596	1.93	67275	453 (4.21)	440 (4.22)	445 (4.07)	410 (5.69)	399 (5.45)
THA	637076	5.83	599963	461 (4.53)	427 (3.42)	426 (3.37)	411 (4.47)	387 (10.58)
TUN	150875	33.84	99822	413 (6.10)	398 (5.11)	395 (6.44)	392 (5.20)	359 (5.17)
URY	33775	3.82	32486	465 (4.06)	438 (3.96)	443 (6.02)	401 (8.11)	377 (5.58)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Download music from the Internet.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (1.80)	528 (3.58)	523 (4.87)	441 (14.71)	438 (8.82)
AUT	85931	1.17	84927	514 (3.13)	503 (3.91)	493 (6.30)	464 (13.93)	420 (16.18)
BEL	111831	2.30	109260	541 (2.36)	521 (3.77)	527 (4.48)	446 (11.55)	417 (10.24)
CAN	330436	10.12	296990	537 (1.62)	527 (3.90)	522 (8.15)	466 (19.10)	466 (7.34)
CZE	121183	4.31	115964	533 (3.34)	523 (3.86)	519 (5.42)	466 (11.09)	442 (7.03)
DNK	51741	0.70	51378	521 (2.47)	517 (4.24)	524 (4.30)	482 (10.73)	450 (13.16)
FIN	57884	0.07	57845	551 (2.11)	544 (3.14)	553 (3.44)	500 (10.66)	508 (8.79)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	526 (3.55)	522 (4.66)	524 (5.12)	451 (11.62)	441 (9.78)
GRC	105131	2.07	102960	460 (4.74)	443 (4.46)	444 (6.23)	397 (10.20)	386 (8.46)
HUN	107044	0.17	106867	513 (3.09)	502 (3.62)	499 (4.85)	447 (7.78)	411 (10.07)
ISL	3928	0.69	3901	506 (1.59)	515 (4.49)	504 (7.53)	. (.)	408 (14.97)
IRL	54850	1.31	54133	503 (2.71)	502 (3.45)	501 (3.48)	456 (9.65)	430 (7.34)
ITA	481521	2.27	470592	483 (3.01)	472 (3.84)	469 (4.74)	414 (12.19)	398 (7.25)
JPN	1240054	1.42	1222475	566 (5.15)	557 (4.81)	552 (4.93)	487 (7.67)	517 (6.19)
KOR	533504	0.12	532837	553 (3.09)	514 (10.22)	. (.)	. (.)	500 (8.43)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.79)	396 (4.66)	390 (6.68)	352 (8.07)	322 (6.01)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.92	46730	539 (2.14)	538 (4.10)	530 (6.43)	454 (13.07)	. (.)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	501 (2.87)	481 (3.97)	480 (4.81)	438 (8.34)	442 (7.23)
PRT	96857	0.82	96058	490 (3.88)	455 (5.31)	457 (5.44)	418 (6.76)	403 (8.46)
SVK	77067	3.73	74195	513 (3.49)	511 (3.30)	504 (3.49)	460 (7.22)	427 (6.26)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (2.53)	516 (4.33)	510 (6.64)	454 (16.07)	447 (11.10)
CHE	86491	0.48	86079	529 (3.39)	521 (3.74)	520 (4.09)	447 (11.32)	432 (9.72)
TUR	481279	13.78	414937	436 (8.43)	409 (6.95)	410 (9.09)	375 (8.06)	379 (6.07)
GBR	698579	91.67	58219	526 (2.89)	529 (4.91)	530 (5.68)	483 (18.85)	. (.)
USA	3147089	2.76	3060301	486 (2.74)	468 (5.56)	478 (7.59)	393 (11.67)	405 (9.50)
TOT	.	19.76	.	502 (1.24)	485 (2.25)	494 (2.48)	433 (3.73)	417 (3.95)
AVG	.	22.13	.	515 (0.66)	497 (1.13)	500 (1.36)	439 (2.44)	419 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	491 (4.86)	484 (4.91)	485 (6.34)	452 (9.11)	436 (5.76)
LIE	338	0.30	337	532 (4.85)	518 (13.87)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	509 (5.50)	487 (6.41)	488 (5.15)	457 (5.85)	435 (6.28)
YUG	68596	1.93	67275	437 (4.16)	423 (3.70)	433 (4.35)	406 (5.11)	374 (5.56)
THA	637076	5.83	599963	458 (4.77)	423 (3.45)	424 (3.41)	406 (3.79)	374 (10.81)
TUN	150875	33.84	99822	375 (5.41)	358 (4.30)	357 (5.80)	349 (4.85)	322 (3.75)
URY	33775	3.82	32486	441 (4.72)	415 (4.67)	415 (7.05)	365 (7.85)	334 (5.81)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a multi-media presentation (with sound, pictures, video).

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	46.75 (0.58)	34.22 (0.42)	13.93 (0.43)	2.16 (0.21)	2.94 (0.33)
AUT	85931	1.17	84927	41.41 (1.08)	34.09 (0.88)	19.46 (0.90)	3.69 (0.28)	1.34 (0.26)
BEL	111831	2.30	109260	35.89 (0.81)	34.90 (0.60)	19.31 (0.62)	4.40 (0.29)	5.51 (0.54)
CAN	330436	10.12	296990	44.79 (0.58)	33.60 (0.55)	16.68 (0.35)	1.93 (0.13)	3.00 (0.18)
CZE	121183	4.31	115964	30.30 (1.01)	31.80 (0.74)	23.29 (0.83)	8.07 (0.53)	6.53 (0.52)
DNK	51741	0.70	51378	37.00 (0.73)	32.77 (0.84)	20.75 (0.73)	5.98 (0.35)	3.49 (0.40)
FIN	57884	0.07	57845	27.38 (0.69)	34.83 (0.69)	30.22 (0.74)	4.80 (0.31)	2.77 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	34.19 (0.80)	32.29 (0.71)	22.50 (0.73)	6.09 (0.39)	4.93 (0.44)
GRC	105131	2.07	102960	34.11 (0.74)	32.90 (0.72)	22.31 (0.63)	6.81 (0.46)	3.87 (0.35)
HUN	107044	0.17	106867	21.62 (0.62)	32.73 (0.68)	29.12 (0.71)	12.95 (0.61)	3.58 (0.38)
ISL	3928	0.69	3901	30.03 (0.81)	34.17 (0.90)	28.09 (0.79)	6.12 (0.41)	1.60 (0.23)
IRL	54850	1.31	54133	26.54 (1.01)	30.17 (0.82)	29.55 (0.98)	8.89 (0.50)	4.85 (0.43)
ITA	481521	2.27	470592	30.25 (0.80)	31.61 (0.73)	25.64 (0.72)	7.22 (0.36)	5.27 (0.45)
JPN	1240054	1.42	1222475	14.23 (0.51)	26.94 (0.65)	32.52 (0.77)	12.25 (0.54)	14.05 (0.72)
KOR	533504	0.12	532837	43.14 (0.82)	40.55 (0.66)	10.46 (0.41)	3.24 (0.33)	2.60 (0.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	25.89 (1.01)	34.26 (0.87)	16.28 (0.67)	6.59 (0.45)	16.97 (1.47)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	38.17 (0.96)	35.68 (0.90)	22.21 (0.77)	2.95 (0.30)	0.98 (0.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	32.30 (0.93)	32.11 (0.77)	22.81 (0.68)	7.82 (0.49)	4.95 (0.47)
PRT	96857	0.82	96058	35.42 (0.89)	35.51 (0.87)	20.33 (0.74)	4.85 (0.34)	3.89 (0.38)
SVK	77067	3.73	74195	15.73 (0.63)	22.38 (0.66)	31.31 (0.80)	17.23 (0.79)	13.34 (0.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	38.53 (1.05)	32.73 (0.80)	19.77 (0.58)	5.27 (0.34)	3.69 (0.30)
CHE	86491	0.48	86079	29.91 (0.88)	34.46 (0.79)	24.99 (0.72)	7.57 (0.47)	3.07 (0.22)
TUR	481279	13.78	414937	26.12 (1.07)	29.68 (0.96)	11.52 (0.59)	9.21 (0.52)	23.47 (1.57)
GBR	698579	91.67	58219	41.10 (1.27)	32.77 (0.95)	20.44 (0.99)	4.62 (0.39)	1.07 (.)
USA	3147089	2.76	3060301	49.29 (0.83)	31.49 (0.75)	13.02 (0.51)	3.01 (0.25)	3.18 (0.23)
TOT	.	19.76	.	35.89 (0.37)	32.00 (0.28)	18.94 (0.21)	5.97 (0.13)	7.20 (0.20)
AVG	.	22.13	.	32.94 (0.20)	32.77 (0.14)	22.01 (0.15)	6.62 (0.10)	5.67 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	21.19 (0.84)	30.43 (0.86)	29.13 (0.88)	12.50 (0.63)	6.74 (0.59)
LIE	338	0.30	337	43.61 (2.60)	36.19 (2.31)	15.33 (1.80)	2.42 (.)	2.45 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	17.97 (1.04)	20.96 (0.81)	25.18 (0.90)	21.61 (0.73)	14.28 (1.07)
YUG	68596	1.94	67265	20.00 (0.77)	26.25 (0.73)	24.88 (0.99)	12.27 (0.57)	16.60 (1.21)
THA	637076	5.83	599963	10.63 (0.55)	39.05 (0.99)	23.91 (0.80)	24.51 (0.90)	1.90 (0.31)
TUN	150875	33.84	99822	24.57 (1.20)	22.30 (0.86)	13.78 (0.73)	12.46 (0.68)	26.89 (1.38)
URY	33775	3.82	32486	28.26 (0.72)	28.35 (0.68)	20.83 (0.85)	8.75 (0.46)	13.81 (0.98)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a multi-media presentation (with sound, pictures, video).

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.34)	537 (2.66)	534 (2.99)	477 (6.75)	415 (9.08)
AUT	85931	1.17	84927	489 (3.59)	502 (3.84)	503 (5.78)	450 (8.37)	384 (18.28)
BEL	111831	2.30	109260	503 (3.40)	531 (2.56)	539 (3.84)	458 (11.02)	377 (12.37)
CAN	330436	10.12	296990	525 (1.96)	543 (2.18)	540 (2.78)	489 (5.57)	496 (5.57)
CZE	121183	4.31	115964	489 (3.58)	504 (3.08)	517 (3.57)	494 (6.56)	424 (8.25)
DNK	51741	0.70	51378	482 (3.50)	503 (3.37)	513 (3.64)	484 (6.61)	409 (13.56)
FIN	57884	0.07	57845	527 (2.75)	545 (2.10)	561 (2.16)	530 (6.50)	507 (10.14)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	486 (4.23)	516 (4.33)	530 (3.95)	484 (7.47)	401 (10.96)
GRC	105131	2.07	102960	471 (5.15)	478 (4.46)	491 (4.47)	447 (9.15)	390 (13.43)
HUN	107044	0.17	106867	478 (3.93)	488 (3.18)	495 (3.34)	468 (4.97)	394 (12.18)
ISL	3928	0.69	3901	467 (3.39)	503 (2.97)	517 (2.98)	479 (7.39)	369 (19.81)
IRL	54850	1.31	54133	507 (3.91)	524 (3.38)	533 (3.28)	496 (6.35)	437 (8.12)
ITA	481521	2.27	470592	473 (3.68)	485 (3.43)	496 (3.46)	457 (6.79)	397 (9.95)
JPN	1240054	1.42	1222475	507 (6.71)	510 (4.36)	518 (3.88)	458 (7.20)	462 (6.44)
KOR	533504	0.12	532837	542 (3.40)	536 (3.14)	523 (4.24)	500 (9.39)	459 (11.42)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	432 (4.47)	424 (4.35)	423 (5.01)	388 (6.49)	332 (6.42)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	510 (3.07)	537 (3.33)	543 (3.60)	482 (11.25)	427 (17.85)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	494 (4.31)	500 (3.68)	517 (3.28)	491 (6.33)	440 (7.61)
PRT	96857	0.82	96058	470 (4.80)	487 (4.51)	495 (3.87)	450 (6.99)	420 (8.61)
SVK	77067	3.73	74195	474 (4.70)	483 (4.16)	496 (2.50)	466 (4.49)	406 (5.81)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	497 (3.12)	530 (3.05)	541 (4.18)	516 (8.81)	429 (13.17)
CHE	86491	0.48	86079	487 (3.95)	509 (3.77)	518 (4.03)	474 (6.59)	420 (12.79)
TUR	481279	13.78	414937	457 (8.49)	455 (7.47)	465 (8.70)	429 (8.12)	417 (5.68)
GBR	698579	91.67	58219	504 (3.36)	528 (3.93)	533 (4.23)	495 (8.97)	. (.)
USA	3147089	2.76	3060301	497 (3.25)	508 (3.79)	509 (5.39)	441 (9.17)	426 (8.85)
TOT	.	19.76	.	494 (1.61)	500 (1.67)	507 (1.64)	455 (2.89)	411 (3.49)
AVG	.	22.13	.	494 (0.82)	507 (0.89)	515 (0.92)	470 (1.64)	413 (2.40)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	485 (4.89)	491 (5.20)	508 (4.75)	483 (7.28)	451 (6.13)
LIE	338	0.30	337	513 (6.45)	530 (8.28)	561 (11.76)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	460 (5.02)	454 (4.69)	453 (5.19)	442 (5.11)	402 (6.26)
YUG	68596	1.94	67265	416 (4.37)	420 (3.76)	435 (4.36)	407 (4.58)	369 (5.69)
THA	637076	5.83	599963	428 (5.59)	426 (3.61)	427 (3.59)	414 (3.67)	375 (9.99)
TUN	150875	33.84	99822	409 (7.08)	384 (6.57)	389 (5.57)	373 (5.90)	349 (5.30)
URY	33775	3.82	32486	458 (4.42)	450 (5.37)	453 (5.31)	407 (6.90)	358 (6.48)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?

Create a multi-media presentation (with sound, pictures, video).

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (2.34)	532 (2.42)	525 (3.22)	472 (6.24)	432 (8.31)
AUT	85931	1.17	84927	510 (3.46)	513 (3.52)	506 (4.74)	465 (7.80)	412 (19.95)
BEL	111831	2.30	109260	530 (3.30)	551 (2.64)	555 (3.20)	479 (10.33)	410 (9.96)
CAN	330436	10.12	296990	536 (2.02)	543 (2.19)	535 (2.73)	493 (5.88)	501 (5.42)
CZE	121183	4.31	115964	527 (4.01)	529 (3.71)	535 (3.61)	511 (5.83)	441 (6.61)
DNK	51741	0.70	51378	515 (3.52)	522 (3.46)	523 (3.48)	488 (5.66)	438 (10.43)
FIN	57884	0.07	57845	541 (3.18)	546 (2.31)	551 (2.31)	525 (5.89)	514 (8.80)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	506 (4.19)	524 (4.20)	527 (3.90)	482 (8.07)	429 (9.37)
GRC	105131	2.07	102960	453 (4.45)	447 (4.50)	454 (4.81)	422 (6.88)	382 (8.64)
HUN	107044	0.17	106867	498 (4.13)	499 (3.70)	499 (3.52)	462 (4.40)	396 (9.82)
ISL	3928	0.69	3901	504 (2.98)	526 (2.76)	525 (2.53)	494 (6.94)	426 (15.98)
IRL	54850	1.31	54133	499 (3.72)	508 (3.46)	517 (3.14)	487 (5.45)	433 (6.75)
ITA	481521	2.27	470592	473 (3.81)	474 (3.76)	475 (3.70)	435 (6.74)	400 (7.41)
JPN	1240054	1.42	1222475	540 (7.07)	541 (4.63)	552 (4.06)	500 (6.21)	508 (6.10)
KOR	533504	0.12	532837	551 (3.97)	544 (3.11)	524 (4.21)	504 (10.26)	480 (9.34)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	419 (4.49)	404 (4.01)	403 (4.36)	367 (4.87)	325 (6.02)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	517 (2.88)	536 (3.19)	540 (3.27)	480 (10.45)	442 (16.86)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (3.69)	493 (3.03)	501 (2.75)	473 (5.78)	437 (7.57)
PRT	96857	0.82	96058	471 (4.18)	470 (4.16)	474 (4.09)	427 (6.74)	405 (7.49)
SVK	77067	3.73	74195	513 (4.68)	516 (4.28)	521 (2.75)	490 (3.90)	435 (6.46)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	498 (3.49)	522 (3.24)	527 (4.38)	496 (7.58)	445 (10.76)
CHE	86491	0.48	86079	527 (4.31)	538 (3.68)	535 (3.58)	482 (6.26)	439 (9.00)
TUR	481279	13.78	414937	447 (10.14)	439 (8.37)	451 (10.07)	422 (9.30)	392 (6.33)
GBR	698579	91.67	58219	517 (3.39)	533 (3.64)	535 (3.75)	500 (8.58)	. (.)
USA	3147089	2.76	3060301	489 (3.25)	492 (3.29)	490 (3.57)	429 (8.20)	407 (8.43)
TOT	.	19.76	.	495 (1.58)	497 (1.54)	506 (1.42)	459 (2.60)	418 (3.72)
AVG	.	22.13	.	505 (0.79)	510 (0.88)	514 (0.89)	472 (1.67)	421 (2.43)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	490 (5.05)	487 (5.16)	493 (4.65)	469 (5.89)	438 (5.83)
LIE	338	0.30	337	532 (6.84)	534 (8.49)	558 (14.16)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	497 (5.45)	480 (4.96)	477 (5.12)	462 (5.42)	431 (5.75)
YUG	68596	1.94	67265	444 (4.76)	445 (4.14)	457 (4.50)	432 (5.53)	394 (5.38)
THA	637076	5.83	599963	429 (5.55)	424 (3.98)	424 (3.73)	409 (3.53)	369 (9.35)
TUN	150875	33.84	99822	400 (7.36)	372 (5.57)	373 (5.46)	354 (4.69)	337 (4.09)
URY	33775	3.82	32486	450 (4.33)	433 (4.48)	438 (3.65)	392 (6.70)	356 (5.50)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a multi-media presentation (with sound, pictures, video).

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.50)	532 (2.72)	523 (3.05)	466 (7.58)	431 (9.62)
AUT	85931	1.17	84927	496 (3.87)	499 (3.94)	492 (5.13)	441 (7.72)	399 (17.09)
BEL	111831	2.30	109260	509 (3.24)	529 (3.02)	534 (3.42)	458 (9.61)	392 (10.86)
CAN	330436	10.12	296990	520 (2.22)	531 (2.59)	526 (3.22)	482 (6.22)	484 (6.20)
CZE	121183	4.31	115964	531 (3.98)	534 (3.45)	544 (3.68)	517 (6.61)	449 (6.48)
DNK	51741	0.70	51378	479 (3.75)	484 (3.49)	481 (3.50)	451 (6.80)	376 (11.86)
FIN	57884	0.07	57845	544 (3.20)	551 (2.32)	557 (2.42)	523 (6.21)	505 (9.76)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	505 (4.55)	524 (4.59)	531 (3.85)	485 (8.83)	418 (10.47)
GRC	105131	2.07	102960	489 (5.30)	482 (4.02)	490 (4.07)	451 (8.44)	424 (11.34)
HUN	107044	0.17	106867	513 (4.08)	513 (3.79)	510 (3.55)	477 (5.40)	407 (11.89)
ISL	3928	0.69	3901	488 (3.56)	505 (2.97)	503 (2.99)	464 (7.56)	411 (15.23)
IRL	54850	1.31	54133	502 (4.10)	512 (4.05)	520 (3.48)	482 (6.45)	436 (7.51)
ITA	481521	2.27	470592	495 (4.00)	495 (3.83)	499 (4.02)	457 (7.76)	406 (8.67)
JPN	1240054	1.42	1222475	556 (7.85)	557 (4.63)	564 (4.32)	507 (7.12)	525 (6.47)
KOR	533504	0.12	532837	548 (4.32)	541 (3.40)	520 (4.71)	495 (11.55)	469 (10.62)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	435 (4.64)	421 (3.65)	419 (4.56)	392 (4.61)	355 (4.80)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	515 (3.20)	533 (3.45)	537 (4.07)	474 (11.12)	434 (16.07)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	504 (4.34)	498 (3.60)	510 (3.59)	481 (6.36)	446 (7.30)
PRT	96857	0.82	96058	471 (4.35)	473 (4.34)	476 (3.64)	431 (7.73)	406 (6.89)
SVK	77067	3.73	74195	511 (5.32)	514 (4.59)	520 (2.86)	487 (4.24)	428 (6.74)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	492 (3.55)	520 (3.95)	529 (4.77)	502 (9.77)	422 (12.53)
CHE	86491	0.48	86079	513 (4.53)	524 (3.85)	524 (4.53)	467 (8.19)	421 (10.98)
TUR	481279	13.78	414937	454 (9.28)	446 (7.71)	456 (8.94)	424 (8.26)	412 (5.39)
GBR	698579	91.67	58219	508 (3.79)	523 (4.46)	524 (4.50)	481 (11.17)	. (.)
USA	3147089	2.76	3060301	496 (3.20)	500 (3.88)	499 (3.89)	445 (10.02)	413 (10.52)
TOT	.	19.76	.	501 (1.58)	504 (1.64)	514 (1.49)	467 (2.66)	431 (3.51)
AVG	.	22.13	.	504 (0.85)	510 (0.87)	515 (0.88)	472 (1.68)	427 (2.20)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	494 (5.21)	492 (5.53)	501 (4.72)	477 (6.77)	440 (5.90)
LIE	338	0.30	337	521 (6.94)	522 (9.90)	554 (16.28)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	516 (5.90)	498 (5.38)	497 (4.92)	485 (5.09)	454 (6.24)
YUG	68596	1.94	67265	443 (4.55)	443 (4.13)	457 (4.01)	429 (4.52)	399 (5.37)
THA	637076	5.83	599963	443 (5.00)	435 (3.71)	436 (3.90)	420 (3.71)	390 (10.90)
TUN	150875	33.84	99822	417 (7.06)	398 (5.60)	396 (5.61)	386 (5.34)	359 (5.08)
URY	33775	3.82	32486	464 (4.45)	448 (5.05)	452 (3.81)	418 (6.45)	374 (5.76)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Create a multi-media presentation (with sound, pictures, video).

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (2.04)	537 (2.41)	531 (2.98)	472 (6.10)	439 (8.75)
AUT	85931	1.17	84927	511 (3.27)	514 (3.49)	506 (4.54)	461 (8.59)	414 (17.34)
BEL	111831	2.30	109260	523 (3.16)	546 (2.50)	551 (3.20)	481 (8.94)	416 (10.18)
CAN	330436	10.12	296990	532 (2.11)	542 (2.02)	535 (2.68)	490 (6.16)	494 (5.77)
CZE	121183	4.31	115964	527 (3.79)	530 (3.48)	534 (3.46)	507 (6.14)	442 (6.72)
DNK	51741	0.70	51378	516 (3.23)	525 (3.12)	526 (3.56)	493 (5.94)	441 (11.90)
FIN	57884	0.07	57845	544 (2.89)	550 (2.22)	556 (2.39)	523 (5.86)	508 (9.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (4.06)	533 (4.27)	537 (3.55)	490 (7.11)	433 (9.50)
GRC	105131	2.07	102960	452 (5.34)	453 (4.54)	461 (4.48)	421 (7.69)	383 (8.26)
HUN	107044	0.17	106867	504 (4.06)	510 (3.57)	512 (3.59)	478 (4.80)	402 (9.83)
ISL	3928	0.69	3901	492 (2.98)	515 (2.79)	516 (3.12)	487 (7.07)	417 (16.12)
IRL	54850	1.31	54133	495 (3.48)	505 (3.11)	511 (3.09)	480 (5.59)	428 (6.77)
ITA	481521	2.27	470592	475 (3.75)	479 (3.79)	483 (3.73)	440 (7.55)	395 (8.42)
JPN	1240054	1.42	1222475	554 (7.22)	555 (4.77)	567 (4.47)	509 (6.38)	518 (6.40)
KOR	533504	0.12	532837	558 (3.75)	553 (3.10)	537 (4.16)	514 (10.02)	497 (8.45)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.99)	405 (4.71)	402 (5.97)	361 (6.76)	320 (6.03)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	526 (2.81)	546 (2.89)	548 (3.44)	488 (10.29)	453 (16.97)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	493 (4.05)	488 (3.28)	499 (3.36)	467 (6.56)	439 (7.96)
PRT	96857	0.82	96058	472 (4.73)	476 (4.63)	479 (4.32)	431 (7.60)	403 (8.22)
SVK	77067	3.73	74195	508 (4.97)	511 (4.23)	515 (2.71)	482 (4.49)	425 (6.03)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	496 (3.36)	523 (2.74)	526 (3.83)	497 (7.38)	455 (10.72)
CHE	86491	0.48	86079	520 (3.70)	532 (3.67)	533 (3.52)	482 (6.50)	430 (9.77)
TUR	481279	13.78	414937	431 (9.24)	422 (7.37)	429 (8.75)	401 (8.14)	379 (6.01)
GBR	698579	91.67	58219	518 (3.51)	535 (3.85)	537 (3.88)	504 (8.38)	. (.)
USA	3147089	2.76	3060301	482 (3.40)	487 (3.56)	486 (4.01)	424 (9.16)	401 (9.02)
TOT	.	19.76	.	494 (1.67)	498 (1.61)	509 (1.63)	459 (2.94)	417 (3.94)
AVG	.	22.13	.	505 (0.81)	511 (0.87)	516 (0.89)	471 (1.80)	419 (2.56)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	488 (5.54)	486 (5.66)	494 (5.13)	467 (6.41)	435 (6.11)
LIE	338	0.30	337	522 (6.43)	530 (8.82)	562 (12.08)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	512 (5.87)	493 (5.71)	490 (5.36)	470 (5.82)	433 (6.12)
YUG	68596	1.94	67265	426 (4.47)	427 (3.82)	443 (4.26)	419 (4.68)	375 (5.40)
THA	637076	5.83	599963	442 (5.81)	433 (3.70)	432 (3.23)	414 (3.70)	378 (10.64)
TUN	150875	33.84	99822	380 (5.84)	354 (4.85)	360 (4.81)	347 (5.05)	321 (3.52)
URY	33775	3.82	32486	439 (5.51)	425 (5.18)	429 (5.21)	378 (7.89)	333 (5.33)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Draw pictures using a mouse.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	86.16 (0.48)	7.84 (0.30)	2.58 (0.18)	0.50 (0.06)	2.92 (0.34)
AUT	85931	1.17	84927	86.77 (0.67)	7.61 (0.45)	3.03 (0.25)	1.21 (0.18)	1.38 (0.25)
BEL	111831	2.30	109260	79.13 (0.66)	10.65 (0.41)	3.26 (0.19)	1.64 (0.21)	5.32 (0.54)
CAN	330436	10.12	296990	87.52 (0.35)	6.96 (0.29)	2.71 (0.17)	0.63 (0.08)	2.17 (0.17)
CZE	121183	4.31	115964	88.47 (0.62)	3.68 (0.26)	1.30 (0.17)	0.45 (.)	6.10 (0.50)
DNK	51741	0.70	51378	83.78 (0.73)	8.30 (0.48)	3.89 (0.36)	0.97 (0.16)	3.05 (0.36)
FIN	57884	0.07	57845	91.95 (0.46)	4.03 (0.27)	1.15 (0.17)	0.21 (.)	2.65 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	82.89 (0.72)	8.10 (0.51)	3.37 (0.30)	0.94 (0.16)	4.69 (0.42)
GRC	105131	2.07	102960	73.67 (0.89)	15.40 (0.61)	5.38 (0.32)	1.79 (0.20)	3.76 (0.33)
HUN	107044	0.17	106867	83.16 (0.58)	9.12 (0.42)	3.00 (0.23)	1.20 (0.20)	3.52 (0.41)
ISL	3928	0.69	3901	91.37 (0.50)	3.75 (0.36)	2.70 (0.27)	0.87 (.)	1.31 (0.21)
IRL	54850	1.31	54133	86.55 (0.59)	6.55 (0.46)	1.86 (0.23)	0.60 (.)	4.44 (0.42)
ITA	481521	2.27	470592	76.57 (0.82)	12.55 (0.46)	4.18 (0.29)	1.39 (0.17)	5.31 (0.45)
JPN	1240054	1.42	1222475	66.24 (0.95)	12.15 (0.43)	4.42 (0.32)	3.40 (0.32)	13.80 (0.71)
KOR	533504	0.12	532837	77.97 (0.67)	15.73 (0.52)	2.63 (0.19)	1.11 (0.15)	2.55 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	53.74 (1.63)	20.26 (0.79)	6.22 (0.42)	3.24 (0.33)	16.54 (1.42)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	87.07 (0.55)	8.49 (0.50)	2.62 (0.24)	0.98 (0.15)	0.84 (0.15)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	82.94 (0.79)	8.92 (0.47)	2.60 (0.29)	1.01 (0.14)	4.53 (0.43)
PRT	96857	0.82	96058	84.88 (0.83)	8.48 (0.46)	2.47 (0.24)	0.73 (0.13)	3.44 (0.35)
SVK	77067	3.73	74195	74.04 (1.09)	8.36 (0.39)	2.95 (0.24)	1.98 (0.22)	12.67 (0.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	89.73 (0.47)	4.93 (0.32)	1.89 (0.18)	0.47 (.)	2.97 (0.26)
CHE	86491	0.48	86079	81.12 (0.73)	9.78 (0.48)	4.74 (0.44)	1.76 (0.17)	2.60 (0.24)
TUR	481279	13.78	414937	59.20 (1.88)	11.48 (0.84)	3.69 (0.32)	3.43 (0.36)	22.20 (1.51)
GBR	698579	91.67	58219	90.04 (0.72)	7.00 (0.56)	1.57 (0.26)	0.71 (.)	0.68 (.)
USA	3147089	2.76	3060301	84.51 (0.58)	8.17 (0.41)	2.96 (0.22)	1.01 (0.16)	3.36 (0.25)
TOT	.	19.76	.	77.23 (0.33)	10.60 (0.19)	3.52 (0.11)	1.63 (0.07)	7.02 (0.19)
AVG	.	22.13	.	81.07 (0.19)	9.16 (0.12)	3.13 (0.06)	1.29 (0.04)	5.35 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	85.52 (0.98)	5.16 (0.44)	1.74 (0.32)	1.05 (0.19)	6.53 (0.57)
LIE	338	0.30	337	86.36 (2.09)	9.07 (.)	1.83 (.)	0.30 (.)	2.45 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	70.55 (1.67)	7.98 (0.47)	4.31 (0.42)	3.06 (0.36)	14.10 (1.06)
YUG	68596	1.98	67237	74.41 (1.40)	5.37 (0.44)	2.78 (0.30)	1.98 (0.26)	15.46 (1.18)
THA	637076	5.83	599963	72.59 (0.95)	19.08 (0.69)	3.78 (0.34)	3.32 (0.41)	1.23 (0.19)
TUN	150875	33.84	99822	39.78 (1.49)	15.07 (0.89)	9.07 (0.50)	9.03 (0.60)	27.05 (1.35)
URY	33775	3.82	32486	73.86 (1.09)	7.99 (0.54)	3.78 (0.34)	1.77 (0.24)	12.60 (1.00)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Draw pictures using a mouse.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.89)	507 (4.50)	498 (7.16)	440 (16.89)	414 (8.99)
AUT	85931	1.17	84927	501 (3.18)	459 (8.14)	453 (11.18)	407 (18.89)	384 (17.05)
BEL	111831	2.30	109260	523 (2.53)	508 (4.68)	506 (7.49)	389 (13.95)	375 (12.03)
CAN	330436	10.12	296990	536 (1.52)	517 (4.01)	509 (7.63)	461 (14.09)	470 (6.74)
CZE	121183	4.31	115964	503 (2.67)	465 (7.60)	471 (16.07)	. (.)	423 (8.23)
DNK	51741	0.70	51378	497 (2.67)	486 (5.19)	501 (7.83)	448 (17.73)	412 (15.13)
FIN	57884	0.07	57845	547 (1.60)	507 (6.56)	511 (13.71)	. (.)	508 (9.90)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	510 (3.28)	481 (7.12)	493 (9.89)	401 (23.75)	403 (10.99)
GRC	105131	2.07	102960	485 (4.04)	450 (5.84)	439 (6.61)	425 (11.27)	396 (14.38)
HUN	107044	0.17	106867	490 (2.47)	463 (6.13)	441 (8.23)	429 (13.77)	393 (12.02)
ISL	3928	0.69	3901	498 (1.57)	476 (9.40)	448 (12.56)	. (.)	336 (19.12)
IRL	54850	1.31	54133	521 (2.59)	507 (6.87)	505 (10.52)	. (.)	442 (8.01)
ITA	481521	2.27	470592	490 (2.33)	453 (6.14)	454 (9.04)	403 (14.51)	393 (9.45)
JPN	1240054	1.42	1222475	517 (3.82)	488 (5.86)	461 (9.87)	398 (12.82)	462 (6.30)
KOR	533504	0.12	532837	538 (3.12)	535 (3.91)	513 (8.19)	445 (14.75)	459 (11.09)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	440 (3.93)	399 (4.23)	389 (7.91)	360 (7.11)	330 (6.33)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	531 (2.42)	500 (6.08)	498 (13.39)	400 (22.18)	434 (18.74)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (2.73)	449 (5.53)	447 (11.24)	416 (16.79)	440 (7.37)
PRT	96857	0.82	96058	488 (3.49)	429 (6.62)	436 (10.76)	394 (16.04)	414 (9.49)
SVK	77067	3.73	74195	489 (2.46)	451 (5.37)	440 (9.81)	411 (9.94)	405 (5.61)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	520 (2.28)	511 (8.92)	493 (11.75)	. (.)	408 (14.50)
CHE	86491	0.48	86079	507 (3.42)	477 (6.13)	476 (7.10)	453 (18.60)	409 (11.25)
TUR	481279	13.78	414937	468 (7.18)	406 (7.42)	425 (9.68)	394 (8.82)	415 (5.99)
GBR	698579	91.67	58219	520 (2.60)	492 (7.71)	493 (13.94)	. (.)	. (.)
USA	3147089	2.76	3060301	506 (2.81)	470 (6.50)	468 (11.29)	396 (14.84)	430 (9.04)
TOT	.	19.76	.	505 (1.28)	462 (2.29)	455 (3.85)	395 (5.06)	410 (3.64)
AVG	.	22.13	.	508 (0.70)	471 (1.42)	464 (2.04)	408 (3.36)	410 (2.43)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (3.63)	459 (9.32)	420 (18.79)	426 (22.29)	454 (6.29)
LIE	338	0.30	337	529 (4.16)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	461 (3.74)	418 (6.93)	408 (8.11)	382 (9.98)	405 (5.81)
YUG	68596	1.98	67237	427 (3.54)	377 (7.94)	389 (9.29)	368 (8.75)	367 (5.62)
THA	637076	5.83	599963	430 (3.17)	409 (4.31)	391 (8.77)	387 (7.56)	365 (11.21)
TUN	150875	33.84	99822	412 (6.41)	369 (5.73)	370 (6.87)	362 (6.40)	349 (5.51)
URY	33775	3.82	32486	456 (3.29)	410 (9.23)	390 (13.66)	383 (16.86)	356 (7.01)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Draw pictures using a mouse.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.02)	508 (3.61)	497 (6.72)	461 (11.89)	433 (8.31)
AUT	85931	1.17	84927	512 (3.01)	486 (5.86)	481 (8.20)	445 (17.73)	417 (17.83)
BEL	111831	2.30	109260	544 (2.34)	532 (3.95)	533 (7.54)	424 (13.58)	407 (9.67)
CAN	330436	10.12	296990	540 (1.57)	524 (3.55)	519 (6.71)	469 (12.78)	479 (7.21)
CZE	121183	4.31	115964	530 (3.17)	492 (7.36)	484 (15.11)	. (.)	440 (6.88)
DNK	51741	0.70	51378	519 (2.72)	502 (5.71)	517 (8.30)	446 (16.85)	448 (12.35)
FIN	57884	0.07	57845	547 (1.86)	517 (5.87)	514 (13.65)	. (.)	514 (8.90)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	519 (3.31)	494 (6.24)	504 (10.05)	422 (21.53)	433 (9.01)
GRC	105131	2.07	102960	457 (3.84)	425 (5.26)	415 (6.89)	410 (10.87)	380 (9.33)
HUN	107044	0.17	106867	499 (2.96)	474 (5.70)	441 (7.55)	433 (12.38)	396 (9.47)
ISL	3928	0.69	3901	519 (1.46)	498 (7.45)	479 (11.19)	. (.)	404 (16.89)
IRL	54850	1.31	54133	507 (2.43)	501 (6.42)	498 (11.01)	. (.)	438 (6.83)
ITA	481521	2.27	470592	478 (2.66)	449 (5.80)	443 (8.21)	402 (14.08)	395 (7.53)
JPN	1240054	1.42	1222475	548 (4.16)	525 (5.86)	503 (8.92)	451 (11.29)	508 (5.96)
KOR	533504	0.12	532837	545 (3.38)	548 (4.32)	524 (9.22)	457 (13.20)	480 (9.13)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	422 (3.58)	381 (4.07)	373 (5.90)	346 (6.53)	324 (6.08)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	531 (2.22)	513 (6.09)	507 (10.68)	432 (15.46)	441 (19.46)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	501 (2.43)	449 (4.89)	443 (8.59)	429 (13.71)	440 (7.08)
PRT	96857	0.82	96058	476 (3.12)	421 (6.39)	422 (10.20)	380 (15.62)	401 (7.29)
SVK	77067	3.73	74195	519 (2.61)	479 (5.23)	461 (9.63)	450 (9.37)	435 (6.39)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.53)	504 (7.97)	481 (10.96)	. (.)	427 (12.20)
CHE	86491	0.48	86079	535 (3.46)	508 (5.84)	503 (6.47)	473 (17.55)	427 (10.15)
TUR	481279	13.78	414937	454 (8.64)	396 (7.04)	423 (12.25)	387 (11.18)	391 (6.71)
GBR	698579	91.67	58219	528 (2.35)	507 (7.11)	496 (13.55)	. (.)	. (.)
USA	3147089	2.76	3060301	492 (2.65)	462 (6.12)	464 (10.07)	399 (14.27)	411 (8.57)
TOT	.	19.76	.	503 (1.18)	465 (2.36)	459 (3.60)	410 (5.17)	417 (3.79)
AVG	.	22.13	.	513 (0.68)	477 (1.40)	470 (2.17)	423 (3.37)	420 (2.42)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	491 (3.83)	457 (8.14)	422 (18.37)	415 (17.12)	441 (6.01)
LIE	338	0.30	337	540 (4.50)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	487 (4.28)	448 (6.10)	430 (7.13)	415 (10.51)	431 (5.31)
YUG	68596	1.98	67237	452 (3.84)	403 (6.58)	409 (8.84)	385 (7.85)	393 (5.56)
THA	637076	5.83	599963	427 (3.27)	407 (4.54)	394 (8.88)	382 (7.43)	359 (10.76)
TUN	150875	33.84	99822	400 (6.36)	352 (5.17)	357 (5.90)	348 (4.97)	337 (3.96)
URY	33775	3.82	32486	441 (3.34)	399 (6.79)	408 (11.67)	369 (10.60)	356 (5.76)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Draw pictures using a mouse.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (2.00)	503 (4.49)	487 (7.00)	438 (16.32)	432 (9.70)
AUT	85931	1.17	84927	499 (3.14)	463 (7.43)	452 (9.39)	416 (16.54)	398 (16.56)
BEL	111831	2.30	109260	523 (2.48)	509 (4.45)	510 (6.84)	401 (12.19)	390 (10.80)
CAN	330436	10.12	296990	526 (1.76)	509 (4.02)	507 (8.76)	456 (14.96)	464 (7.61)
CZE	121183	4.31	115964	536 (3.02)	492 (8.67)	492 (17.77)	. (.)	449 (6.61)
DNK	51741	0.70	51378	481 (2.89)	463 (6.20)	478 (8.46)	404 (17.55)	382 (15.23)
FIN	57884	0.07	57845	552 (1.93)	511 (6.22)	511 (16.62)	. (.)	506 (10.15)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	520 (3.55)	493 (7.21)	504 (9.65)	412 (26.90)	420 (10.30)
GRC	105131	2.07	102960	493 (3.88)	460 (5.78)	445 (7.44)	436 (11.08)	423 (11.90)
HUN	107044	0.17	106867	513 (2.79)	481 (6.06)	451 (11.35)	448 (14.07)	407 (11.63)
ISL	3928	0.69	3901	500 (1.62)	478 (8.87)	443 (14.30)	. (.)	394 (17.91)
IRL	54850	1.31	54133	510 (2.70)	498 (6.87)	494 (11.63)	. (.)	442 (7.50)
ITA	481521	2.27	470592	501 (2.54)	464 (6.46)	458 (8.84)	411 (15.89)	403 (8.42)
JPN	1240054	1.42	1222475	563 (4.37)	537 (6.47)	510 (10.20)	455 (12.73)	525 (6.35)
KOR	533504	0.12	532837	542 (3.66)	542 (4.83)	516 (9.67)	437 (15.65)	469 (10.36)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	438 (3.69)	400 (4.01)	391 (5.11)	371 (6.22)	354 (4.75)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	529 (2.43)	508 (6.52)	500 (12.97)	419 (17.75)	441 (19.26)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	510 (2.86)	449 (6.07)	437 (10.69)	417 (18.33)	449 (7.02)
PRT	96857	0.82	96058	478 (3.16)	419 (6.32)	419 (11.48)	377 (18.18)	404 (7.61)
SVK	77067	3.73	74195	517 (2.69)	476 (5.26)	464 (10.32)	449 (14.01)	428 (6.62)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (2.75)	507 (8.73)	485 (12.34)	. (.)	403 (13.42)
CHE	86491	0.48	86079	522 (3.83)	489 (6.67)	489 (9.86)	455 (21.87)	408 (9.20)
TUR	481279	13.78	414937	460 (7.85)	404 (6.96)	421 (10.13)	396 (9.18)	412 (5.57)
GBR	698579	91.67	58219	518 (2.89)	489 (8.39)	482 (16.56)	. (.)	. (.)
USA	3147089	2.76	3060301	501 (2.79)	467 (6.21)	467 (10.05)	414 (14.62)	416 (10.25)
TOT	.	19.76	.	510 (1.26)	471 (2.29)	464 (3.55)	417 (4.86)	431 (3.62)
AVG	.	22.13	.	513 (0.67)	477 (1.33)	468 (2.24)	421 (3.68)	426 (2.25)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (3.88)	455 (8.35)	426 (15.62)	411 (22.54)	442 (6.66)
LIE	338	0.30	337	530 (5.27)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	507 (4.21)	465 (6.91)	457 (9.42)	431 (11.13)	456 (6.03)
YUG	68596	1.98	67237	450 (3.50)	404 (7.76)	413 (8.88)	392 (10.16)	398 (5.40)
THA	637076	5.83	599963	440 (3.12)	417 (4.01)	402 (8.51)	394 (8.05)	387 (11.14)
TUN	150875	33.84	99822	422 (6.31)	376 (6.00)	387 (5.69)	379 (6.24)	358 (4.81)
URY	33775	3.82	32486	457 (3.06)	420 (7.85)	419 (12.21)	384 (15.06)	373 (5.49)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Draw pictures using a mouse.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	537 (1.80)	510 (3.92)	499 (6.84)	451 (12.24)	439 (8.68)
AUT	85931	1.17	84927	513 (2.91)	483 (5.98)	476 (8.84)	440 (18.94)	415 (17.23)
BEL	111831	2.30	109260	539 (2.25)	527 (4.00)	528 (7.29)	428 (10.01)	414 (9.74)
CAN	330436	10.12	296990	538 (1.54)	522 (3.64)	517 (7.48)	463 (14.35)	469 (7.22)
CZE	121183	4.31	115964	531 (2.95)	487 (7.60)	482 (16.71)	. (.)	442 (7.15)
DNK	51741	0.70	51378	522 (2.43)	501 (5.20)	513 (7.95)	448 (17.85)	449 (13.56)
FIN	57884	0.07	57845	551 (1.84)	516 (5.55)	509 (14.15)	. (.)	508 (9.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	528 (3.21)	499 (6.26)	505 (9.34)	422 (20.64)	434 (9.30)
GRC	105131	2.07	102960	460 (4.00)	429 (5.10)	421 (6.94)	408 (12.96)	384 (9.01)
HUN	107044	0.17	106867	510 (2.89)	482 (5.63)	454 (7.80)	444 (12.80)	403 (9.97)
ISL	3928	0.69	3901	510 (1.45)	485 (7.72)	463 (11.32)	. (.)	393 (16.82)
IRL	54850	1.31	54133	503 (2.34)	493 (6.55)	489 (9.31)	. (.)	432 (6.69)
ITA	481521	2.27	470592	484 (2.46)	447 (6.06)	445 (9.39)	396 (15.96)	389 (9.07)
JPN	1240054	1.42	1222475	563 (4.09)	538 (5.76)	511 (10.75)	459 (12.25)	518 (6.31)
KOR	533504	0.12	532837	553 (3.17)	555 (4.01)	534 (8.91)	462 (13.16)	498 (8.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	425 (4.38)	380 (4.91)	370 (8.95)	337 (8.62)	318 (5.95)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	541 (2.13)	516 (5.59)	512 (10.02)	430 (17.50)	451 (19.74)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	498 (2.72)	439 (4.97)	437 (10.36)	414 (14.83)	442 (6.84)
PRT	96857	0.82	96058	481 (3.49)	421 (7.67)	422 (11.02)	378 (17.72)	397 (8.74)
SVK	77067	3.73	74195	514 (2.58)	472 (5.49)	455 (10.24)	433 (10.07)	424 (5.95)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	513 (2.34)	502 (8.04)	482 (10.97)	. (.)	440 (11.88)
CHE	86491	0.48	86079	530 (3.12)	503 (5.53)	493 (5.99)	471 (18.87)	417 (10.32)
TUR	481279	13.78	414937	437 (7.36)	375 (7.67)	400 (10.80)	366 (9.88)	378 (6.31)
GBR	698579	91.67	58219	529 (2.42)	505 (7.25)	499 (15.03)	. (.)	. (.)
USA	3147089	2.76	3060301	487 (2.77)	458 (6.74)	454 (9.20)	387 (13.62)	405 (9.44)
TOT	.	19.76	.	504 (1.21)	465 (2.61)	457 (3.54)	405 (5.26)	416 (3.96)
AVG	.	22.13	.	514 (0.67)	475 (1.52)	468 (2.15)	418 (3.57)	417 (2.52)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	491 (3.90)	449 (8.36)	408 (17.87)	417 (19.82)	438 (6.18)
LIE	338	0.30	337	534 (4.39)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	502 (4.43)	451 (7.17)	437 (7.17)	404 (10.10)	434 (5.91)
YUG	68596	1.98	67237	435 (3.36)	389 (6.83)	392 (8.07)	388 (7.98)	373 (5.45)
THA	637076	5.83	599963	436 (2.99)	414 (4.33)	401 (8.08)	387 (8.91)	365 (11.42)
TUN	150875	33.84	99822	381 (5.05)	340 (4.84)	346 (5.10)	339 (5.62)	321 (3.76)
URY	33775	3.82	32486	432 (3.53)	390 (8.66)	386 (14.23)	354 (11.01)	333 (5.56)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Write and send e-mails.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	89.40 (0.39)	5.33 (0.24)	1.73 (0.14)	0.66 (0.14)	2.87 (0.34)
AUT	85931	1.17	84927	86.53 (0.73)	6.93 (0.43)	3.70 (0.35)	1.56 (0.22)	1.27 (0.22)
BEL	111831	2.30	109260	82.23 (0.70)	7.47 (0.37)	3.34 (0.21)	1.53 (0.22)	5.43 (0.53)
CAN	330436	10.12	296990	94.24 (0.27)	2.27 (0.14)	0.94 (0.11)	0.39 (0.05)	2.16 (0.16)
CZE	121183	4.31	115964	79.77 (0.91)	9.11 (0.53)	3.77 (0.28)	1.03 (0.16)	6.32 (0.52)
DNK	51741	0.70	51378	89.40 (0.58)	5.03 (0.35)	1.99 (0.24)	0.62 (.)	2.97 (0.34)
FIN	57884	0.07	57845	91.87 (0.42)	3.91 (0.31)	1.29 (0.18)	0.25 (.)	2.69 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	81.63 (0.84)	7.79 (0.48)	3.94 (0.32)	1.86 (0.25)	4.78 (0.42)
GRC	105131	2.07	102960	52.48 (1.06)	25.99 (0.79)	14.20 (0.70)	3.58 (0.35)	3.75 (0.32)
HUN	107044	0.17	106867	64.89 (1.04)	18.71 (0.65)	8.96 (0.45)	3.93 (0.36)	3.51 (0.39)
ISL	3928	0.69	3901	92.80 (0.42)	3.99 (0.35)	1.38 (0.18)	0.49 (.)	1.33 (0.20)
IRL	54850	1.31	54133	66.56 (1.09)	16.45 (0.74)	10.56 (0.60)	1.91 (0.23)	4.53 (0.40)
ITA	481521	2.27	470592	57.29 (0.92)	19.81 (0.60)	14.24 (0.59)	3.58 (0.28)	5.08 (0.43)
JPN	1240054	1.42	1222475	49.59 (0.97)	18.54 (0.60)	11.82 (0.54)	6.33 (0.50)	13.73 (0.70)
KOR	533504	0.12	532837	94.42 (0.33)	2.12 (0.19)	0.46 (.)	0.49 (.)	2.50 (0.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	44.80 (1.73)	21.74 (0.87)	11.10 (0.77)	5.39 (0.44)	16.98 (1.46)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	89.56 (0.59)	5.73 (0.44)	2.78 (0.28)	1.12 (0.15)	0.82 (0.13)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	65.09 (1.17)	18.59 (0.70)	8.76 (0.57)	2.89 (0.32)	4.66 (0.44)
PRT	96857	0.82	96058	64.15 (1.08)	19.40 (0.73)	10.27 (0.48)	2.47 (0.23)	3.71 (0.38)
SVK	77067	3.73	74195	46.98 (1.30)	18.16 (0.60)	15.59 (0.60)	6.23 (0.60)	13.04 (0.98)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	92.68 (0.48)	3.00 (0.30)	0.90 (0.15)	0.40 (.)	3.02 (0.27)
CHE	86491	0.48	86079	82.81 (0.96)	8.87 (0.55)	3.70 (0.37)	1.95 (0.33)	2.67 (0.25)
TUR	481279	13.78	414937	38.54 (1.96)	22.22 (1.06)	7.84 (0.48)	7.99 (0.53)	23.40 (1.59)
GBR	698579	91.67	58219	89.72 (0.77)	6.32 (0.59)	2.34 (0.32)	0.81 (.)	0.82 (.)
USA	3147089	2.76	3060301	88.54 (0.52)	5.13 (0.33)	2.30 (0.21)	0.82 (0.13)	3.23 (0.25)
TOT	.	19.76	.	72.88 (0.34)	11.37 (0.21)	5.97 (0.12)	2.71 (0.10)	7.07 (0.19)
AVG	.	22.13	.	74.77 (0.21)	11.42 (0.12)	6.03 (0.08)	2.35 (0.07)	5.44 (0.12)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	62.08 (1.64)	18.13 (0.71)	10.74 (1.00)	2.44 (0.35)	6.61 (0.57)
LIE	338	0.30	337	93.61 (1.32)	2.12 (.)	1.82 (.)	0.31 (.)	2.15 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	27.31 (1.41)	21.69 (0.59)	23.89 (0.85)	12.69 (0.76)	14.41 (1.07)
YUG	68596	2.01	67219	39.17 (1.23)	20.86 (0.67)	17.11 (0.79)	6.71 (0.50)	16.14 (1.21)
THA	637076	5.83	599963	27.26 (1.39)	33.89 (1.02)	17.76 (0.79)	19.38 (0.99)	1.71 (0.29)
TUN	150875	33.84	99822	27.35 (1.18)	20.29 (0.74)	14.81 (0.73)	11.57 (0.73)	25.99 (1.33)
URY	33775	3.82	32486	51.65 (1.20)	17.73 (0.68)	11.79 (0.78)	5.55 (0.44)	13.29 (1.02)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Write and send e-mails.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (1.88)	471 (4.93)	474 (7.93)	427 (15.93)	413 (9.23)
AUT	85931	1.17	84927	505 (3.12)	434 (7.33)	421 (9.75)	392 (14.46)	378 (17.20)
BEL	111831	2.30	109260	529 (2.39)	459 (5.97)	466 (7.47)	382 (19.48)	377 (12.20)
CAN	330436	10.12	296990	536 (1.52)	472 (6.28)	453 (10.59)	427 (11.59)	473 (6.54)
CZE	121183	4.31	115964	507 (2.84)	470 (4.16)	459 (7.13)	440 (12.41)	425 (8.44)
DNK	51741	0.70	51378	498 (2.65)	472 (7.31)	467 (10.96)	. (.)	416 (14.51)
FIN	57884	0.07	57845	547 (1.56)	504 (7.20)	496 (11.63)	. (.)	508 (9.79)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (3.28)	470 (6.61)	464 (7.99)	391 (13.70)	403 (11.07)
GRC	105131	2.07	102960	489 (4.70)	464 (5.37)	464 (5.78)	419 (9.24)	396 (13.54)
HUN	107044	0.17	106867	503 (2.92)	456 (3.86)	449 (4.99)	408 (6.66)	395 (12.45)
ISL	3928	0.69	3901	498 (1.52)	462 (11.75)	411 (16.56)	. (.)	346 (21.86)
IRL	54850	1.31	54133	528 (2.95)	504 (4.46)	498 (5.08)	452 (11.77)	443 (8.09)
ITA	481521	2.27	470592	495 (2.84)	466 (3.73)	468 (6.00)	422 (9.53)	396 (9.39)
JPN	1240054	1.42	1222475	526 (3.78)	493 (5.18)	483 (6.20)	415 (9.41)	461 (6.32)
KOR	533504	0.12	532837	539 (2.99)	477 (8.64)	. (.)	. (.)	457 (11.50)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	447 (4.42)	400 (3.31)	401 (5.64)	368 (7.06)	332 (6.45)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	533 (2.34)	472 (8.27)	462 (11.31)	417 (15.26)	433 (16.85)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	511 (2.85)	483 (4.23)	481 (6.00)	448 (10.87)	442 (7.54)
PRT	96857	0.82	96058	494 (3.69)	451 (5.19)	469 (6.31)	417 (7.51)	417 (9.07)
SVK	77067	3.73	74195	503 (2.86)	468 (3.85)	461 (4.06)	426 (5.02)	406 (5.59)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	521 (2.23)	463 (8.11)	452 (19.46)	. (.)	417 (16.55)
CHE	86491	0.48	86079	513 (2.90)	444 (6.50)	440 (7.72)	417 (13.02)	411 (12.27)
TUR	481279	13.78	414937	479 (8.59)	434 (6.38)	431 (7.88)	416 (6.47)	415 (5.43)
GBR	698579	91.67	58219	522 (2.71)	471 (8.05)	475 (15.38)	. (.)	. (.)
USA	3147089	2.76	3060301	507 (2.77)	435 (7.75)	425 (11.65)	397 (13.41)	425 (8.24)
TOT	.	19.76	.	510 (1.25)	454 (2.17)	452 (2.68)	406 (3.53)	409 (3.65)
AVG	.	22.13	.	514 (0.62)	461 (1.62)	460 (1.70)	413 (2.24)	411 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	503 (4.31)	482 (5.07)	475 (6.78)	429 (10.46)	452 (6.57)
LIE	338	0.30	337	528 (3.90)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	468 (4.89)	452 (4.92)	449 (4.39)	421 (6.36)	405 (5.90)
YUG	68596	2.01	67219	433 (4.01)	411 (4.89)	420 (4.08)	389 (5.48)	369 (5.66)
THA	637076	5.83	599963	455 (4.66)	415 (3.73)	414 (3.49)	401 (3.74)	378 (10.28)
TUN	150875	33.84	99822	411 (6.58)	383 (5.69)	387 (6.07)	363 (5.89)	348 (5.33)
URY	33775	3.82	32486	472 (4.16)	419 (4.91)	424 (7.13)	374 (9.33)	358 (7.37)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Write and send e-mails.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.96)	470 (5.55)	473 (7.79)	441 (10.94)	431 (8.03)
AUT	85931	1.17	84927	516 (2.97)	467 (5.45)	455 (8.82)	437 (13.30)	411 (17.50)
BEL	111831	2.30	109260	550 (2.25)	482 (4.76)	486 (6.70)	411 (18.00)	409 (9.75)
CAN	330436	10.12	296990	540 (1.57)	489 (6.89)	461 (9.28)	445 (10.19)	480 (6.74)
CZE	121183	4.31	115964	535 (3.28)	495 (4.55)	481 (7.07)	458 (13.18)	441 (6.91)
DNK	51741	0.70	51378	519 (2.67)	493 (6.70)	485 (12.35)	. (.)	449 (12.55)
FIN	57884	0.07	57845	547 (1.82)	516 (6.23)	507 (11.73)	. (.)	517 (8.95)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	523 (3.31)	482 (6.17)	475 (7.84)	416 (12.69)	432 (9.21)
GRC	105131	2.07	102960	464 (4.30)	435 (4.63)	432 (5.00)	392 (8.08)	383 (9.11)
HUN	107044	0.17	106867	513 (3.31)	463 (3.96)	453 (4.69)	412 (7.33)	400 (9.98)
ISL	3928	0.69	3901	520 (1.37)	488 (8.46)	442 (12.26)	. (.)	412 (18.01)
IRL	54850	1.31	54133	514 (2.67)	492 (4.17)	484 (4.48)	460 (9.39)	439 (6.59)
ITA	481521	2.27	470592	486 (3.11)	454 (3.79)	449 (4.96)	412 (9.45)	398 (7.36)
JPN	1240054	1.42	1222475	558 (4.18)	529 (5.47)	521 (5.43)	459 (8.12)	507 (6.00)
KOR	533504	0.12	532837	546 (3.18)	499 (10.25)	. (.)	. (.)	481 (9.57)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	428 (3.87)	383 (3.54)	383 (4.32)	354 (5.99)	324 (5.99)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	533 (2.08)	480 (6.76)	475 (10.90)	433 (11.98)	446 (17.49)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.42)	474 (3.88)	471 (5.29)	443 (9.63)	442 (7.27)
PRT	96857	0.82	96058	484 (3.41)	440 (4.24)	447 (5.47)	403 (8.67)	404 (6.93)
SVK	77067	3.73	74195	534 (3.20)	495 (3.69)	487 (4.03)	459 (4.36)	435 (6.37)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.53)	467 (7.51)	449 (18.33)	. (.)	431 (13.80)
CHE	86491	0.48	86079	540 (3.37)	477 (4.93)	460 (7.39)	441 (9.59)	435 (8.75)
TUR	481279	13.78	414937	472 (10.37)	413 (7.37)	414 (7.97)	404 (7.34)	391 (6.07)
GBR	698579	91.67	58219	530 (2.30)	481 (8.45)	491 (13.79)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (2.62)	427 (6.11)	420 (8.61)	402 (11.17)	406 (8.09)
TOT	.	19.76	.	508 (1.12)	455 (2.27)	454 (2.57)	417 (3.20)	416 (3.87)
AVG	.	22.13	.	520 (0.60)	463 (1.57)	459 (1.60)	422 (2.33)	420 (2.42)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (4.28)	474 (5.33)	459 (6.10)	429 (10.45)	439 (5.79)
LIE	338	0.30	337	539 (4.55)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	498 (5.44)	478 (5.39)	473 (4.47)	448 (5.73)	430 (5.25)
YUG	68596	2.01	67219	460 (4.15)	434 (4.57)	443 (4.62)	413 (6.67)	393 (5.46)
THA	637076	5.83	599963	456 (5.40)	411 (3.78)	409 (3.69)	399 (4.19)	369 (10.19)
TUN	150875	33.84	99822	400 (6.27)	367 (4.88)	373 (5.80)	351 (4.68)	337 (4.11)
URY	33775	3.82	32486	458 (3.96)	404 (4.58)	413 (5.38)	366 (6.19)	357 (5.95)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Write and send e-mails.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	534 (1.94)	471 (5.04)	471 (9.30)	434 (19.06)	430 (9.67)
AUT	85931	1.17	84927	503 (3.11)	442 (6.21)	429 (9.30)	406 (13.38)	395 (16.69)
BEL	111831	2.30	109260	529 (2.33)	462 (5.03)	468 (7.60)	395 (16.32)	391 (10.79)
CAN	330436	10.12	296990	527 (1.79)	472 (6.94)	448 (11.01)	437 (13.33)	469 (7.47)
CZE	121183	4.31	115964	540 (3.23)	501 (4.30)	488 (7.93)	469 (14.46)	450 (6.95)
DNK	51741	0.70	51378	481 (2.83)	454 (7.35)	445 (14.48)	. (.)	385 (13.99)
FIN	57884	0.07	57845	552 (1.89)	509 (7.66)	499 (14.07)	. (.)	508 (9.90)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.47)	482 (6.92)	473 (7.80)	402 (14.91)	420 (10.69)
GRC	105131	2.07	102960	500 (4.39)	471 (5.23)	466 (5.05)	424 (9.01)	427 (11.26)
HUN	107044	0.17	106867	526 (3.26)	476 (3.87)	467 (4.88)	425 (7.68)	409 (12.21)
ISL	3928	0.69	3901	500 (1.47)	462 (13.27)	411 (15.27)	. (.)	400 (18.21)
IRL	54850	1.31	54133	519 (3.04)	490 (4.65)	482 (5.20)	443 (11.12)	443 (7.17)
ITA	481521	2.27	470592	510 (3.02)	473 (3.97)	470 (5.93)	427 (10.63)	404 (8.19)
JPN	1240054	1.42	1222475	572 (4.39)	541 (5.73)	532 (6.96)	466 (9.57)	524 (6.37)
KOR	533504	0.12	532837	543 (3.46)	487 (11.67)	. (.)	. (.)	468 (10.43)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	443 (4.04)	402 (4.10)	403 (4.10)	378 (6.09)	355 (4.92)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	531 (2.25)	472 (8.20)	467 (11.23)	430 (13.00)	435 (17.70)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	515 (2.93)	478 (4.71)	470 (6.75)	442 (10.93)	451 (7.50)
PRT	96857	0.82	96058	487 (3.41)	438 (5.14)	451 (5.97)	400 (7.50)	407 (7.10)
SVK	77067	3.73	74195	532 (3.26)	496 (4.52)	483 (4.35)	454 (5.60)	428 (6.74)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	512 (2.69)	465 (8.10)	452 (18.85)	. (.)	410 (15.47)
CHE	86491	0.48	86079	528 (3.42)	459 (5.57)	441 (7.22)	410 (17.19)	414 (9.26)
TUR	481279	13.78	414937	475 (9.35)	424 (6.32)	420 (7.82)	410 (7.14)	411 (5.20)
GBR	698579	91.67	58219	520 (2.86)	466 (9.03)	472 (16.25)	. (.)	. (.)
USA	3147089	2.76	3060301	503 (2.74)	436 (7.03)	427 (10.38)	414 (12.88)	412 (9.76)
TOT	.	19.76	.	514 (1.22)	465 (2.34)	465 (2.93)	425 (3.60)	430 (3.65)
AVG	.	22.13	.	518 (0.61)	468 (1.50)	465 (1.69)	425 (2.26)	426 (2.26)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	503 (4.40)	480 (5.56)	472 (6.25)	427 (13.21)	441 (6.66)
LIE	338	0.30	337	528 (4.81)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	518 (5.43)	496 (5.78)	494 (4.53)	468 (6.41)	455 (6.15)
YUG	68596	2.01	67219	458 (4.02)	433 (4.24)	442 (4.60)	413 (5.66)	398 (5.46)
THA	637076	5.83	599963	467 (4.89)	423 (3.13)	421 (4.00)	409 (3.78)	395 (11.02)
TUN	150875	33.84	99822	419 (6.29)	394 (5.25)	396 (6.12)	380 (5.53)	359 (4.91)
URY	33775	3.82	32486	471 (3.70)	420 (5.04)	433 (6.03)	389 (7.53)	376 (5.79)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Write and send e-mails.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (1.75)	475 (5.51)	477 (6.85)	437 (13.17)	437 (8.69)
AUT	85931	1.17	84927	517 (2.86)	462 (5.77)	449 (8.87)	428 (14.94)	413 (16.61)
BEL	111831	2.30	109260	544 (2.18)	479 (4.44)	483 (6.45)	424 (13.54)	416 (9.79)
CAN	330436	10.12	296990	538 (1.52)	477 (6.58)	453 (8.34)	435 (9.81)	470 (6.62)
CZE	121183	4.31	115964	535 (3.11)	494 (4.20)	478 (7.19)	448 (12.74)	443 (7.11)
DNK	51741	0.70	51378	522 (2.41)	493 (7.34)	483 (10.84)	. (.)	449 (13.41)
FIN	57884	0.07	57845	551 (1.81)	511 (6.52)	503 (11.71)	. (.)	509 (8.85)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	531 (3.31)	493 (6.29)	483 (7.99)	420 (13.50)	434 (9.62)
GRC	105131	2.07	102960	467 (4.76)	439 (4.68)	437 (5.82)	393 (8.30)	385 (8.69)
HUN	107044	0.17	106867	525 (3.25)	472 (4.38)	463 (5.06)	423 (7.42)	406 (10.30)
ISL	3928	0.69	3901	510 (1.42)	472 (7.27)	427 (13.29)	. (.)	401 (18.38)
IRL	54850	1.31	54133	510 (2.54)	487 (3.97)	478 (4.30)	449 (9.77)	433 (6.66)
ITA	481521	2.27	470592	491 (2.94)	459 (3.91)	457 (5.92)	408 (11.09)	392 (8.64)
JPN	1240054	1.42	1222475	573 (4.11)	541 (5.42)	533 (6.17)	468 (9.21)	516 (6.32)
KOR	533504	0.12	532837	554 (3.01)	496 (9.27)	. (.)	. (.)	498 (8.66)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	433 (4.42)	382 (4.51)	376 (7.00)	349 (7.47)	320 (5.88)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.94	46719	543 (2.03)	485 (6.76)	479 (10.78)	439 (12.69)	457 (20.22)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.82)	467 (3.60)	465 (5.06)	437 (9.07)	445 (7.16)
PRT	96857	0.82	96058	488 (3.72)	443 (5.48)	453 (6.24)	401 (8.86)	402 (8.59)
SVK	77067	3.73	74195	529 (3.01)	489 (4.18)	481 (4.21)	446 (5.68)	424 (6.00)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	514 (2.32)	464 (9.05)	441 (17.47)	. (.)	445 (13.39)
CHE	86491	0.48	86079	535 (3.05)	470 (5.28)	458 (7.48)	437 (12.85)	425 (9.76)
TUR	481279	13.78	414937	452 (8.76)	398 (6.68)	398 (7.69)	384 (6.77)	377 (5.68)
GBR	698579	91.67	58219	531 (2.42)	485 (8.44)	491 (15.30)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (2.77)	423 (6.96)	415 (8.91)	387 (12.15)	400 (8.72)
TOT	.	19.76	.	509 (1.18)	456 (2.43)	456 (2.98)	414 (3.54)	415 (4.03)
AVG	.	22.13	.	521 (0.58)	462 (1.60)	460 (1.82)	418 (2.45)	417 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	498 (4.47)	472 (5.20)	455 (7.77)	421 (10.85)	437 (6.98)
LIE	338	0.30	337	533 (4.27)	. (.)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	513 (5.59)	489 (5.99)	486 (4.82)	452 (6.86)	435 (5.73)
YUG	68596	2.01	67219	442 (3.91)	417 (4.45)	429 (4.43)	405 (5.77)	374 (5.43)
THA	637076	5.83	599963	465 (5.02)	420 (3.62)	417 (3.31)	403 (3.95)	377 (12.34)
TUN	150875	33.84	99822	381 (4.64)	353 (4.61)	358 (5.62)	341 (5.33)	321 (3.63)
URY	33775	3.82	32486	449 (4.25)	395 (5.05)	399 (7.15)	356 (8.80)	334 (6.69)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Construct a web page.

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well % (SE)	can do with help % (SE)	can not do % (SE)	don't know % (SE)	Missing % (SE)
AUS	235591	0.47	234483	35.61 (0.67)	37.73 (0.52)	20.92 (0.60)	2.73 (0.17)	3.02 (0.34)
AUT	85931	1.17	84927	30.24 (0.90)	39.21 (0.84)	24.27 (0.87)	4.46 (0.33)	1.82 (0.29)
BEL	111831	2.30	109260	27.77 (0.54)	39.22 (0.66)	23.00 (0.56)	4.29 (0.33)	5.73 (0.55)
CAN	330436	10.12	296990	40.55 (0.63)	34.97 (0.65)	18.93 (0.50)	2.06 (0.15)	3.50 (0.20)
CZE	121183	4.31	115964	29.54 (0.97)	35.56 (0.89)	25.31 (0.95)	3.16 (0.31)	6.43 (0.52)
DNK	51741	0.70	51378	36.27 (0.81)	34.17 (0.70)	22.59 (0.82)	3.42 (0.28)	3.56 (0.40)
FIN	57884	0.07	57845	26.32 (0.63)	40.40 (0.75)	27.80 (0.83)	2.71 (0.26)	2.77 (0.26)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	28.74 (0.83)	36.71 (0.74)	25.23 (0.82)	4.42 (0.36)	4.89 (0.42)
GRC	105131	2.07	102960	19.85 (0.74)	34.63 (0.82)	33.30 (0.86)	8.26 (0.49)	3.95 (0.34)
HUN	107044	0.17	106867	13.64 (0.61)	36.32 (0.77)	36.59 (0.77)	9.86 (0.54)	3.60 (0.41)
ISL	3928	0.69	3901	41.24 (0.77)	39.16 (0.81)	16.48 (0.57)	1.59 (0.24)	1.54 (0.21)
IRL	54850	1.31	54133	17.92 (0.75)	29.85 (0.88)	40.41 (1.05)	7.21 (0.40)	4.60 (0.40)
ITA	481521	2.27	470592	18.19 (0.72)	32.13 (0.60)	35.05 (0.76)	9.50 (0.51)	5.13 (0.42)
JPN	1240054	1.42	1222475	11.49 (0.57)	31.99 (0.79)	32.64 (0.83)	10.27 (0.60)	13.60 (0.70)
KOR	533504	0.12	532837	18.80 (0.51)	52.25 (0.66)	20.73 (0.63)	5.68 (0.33)	2.55 (0.25)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	16.43 (0.89)	35.55 (1.02)	21.61 (0.81)	9.73 (0.61)	16.68 (1.43)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.97	46708	26.86 (0.82)	37.00 (0.84)	30.56 (0.87)	4.58 (0.33)	1.00 (0.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	34.69 (1.26)	31.46 (0.77)	22.67 (1.00)	6.62 (0.47)	4.57 (0.42)
PRT	96857	0.82	96058	19.46 (0.68)	40.92 (0.78)	29.06 (0.95)	6.79 (0.39)	3.76 (0.37)
SVK	77067	3.73	74195	19.63 (0.75)	23.72 (0.63)	33.56 (0.83)	10.18 (0.80)	12.90 (0.94)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	25.07 (0.84)	43.37 (0.87)	25.03 (0.89)	2.72 (0.28)	3.80 (0.32)
CHE	86491	0.48	86079	23.93 (0.80)	37.49 (0.80)	29.38 (0.86)	6.00 (0.41)	3.20 (0.25)
TUR	481279	13.78	414937	20.53 (0.93)	32.58 (1.12)	12.60 (0.73)	10.92 (0.47)	23.36 (1.54)
GBR	698579	91.67	58219	35.18 (1.15)	38.44 (1.13)	22.10 (0.93)	3.30 (0.32)	0.98 (.)
USA	3147089	2.76	3060301	43.32 (0.89)	34.48 (0.78)	15.54 (0.61)	3.28 (0.28)	3.39 (0.24)
TOT	.	19.76	.	28.92 (0.38)	35.45 (0.30)	22.41 (0.25)	6.05 (0.14)	7.16 (0.19)
AVG	.	22.13	.	26.13 (0.19)	36.35 (0.16)	26.06 (0.21)	5.81 (0.10)	5.64 (0.13)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	22.83 (1.04)	35.54 (0.81)	28.65 (1.08)	6.40 (0.67)	6.58 (0.60)
LIE	338	0.30	337	39.99 (2.52)	40.33 (2.75)	14.19 (1.89)	2.14 (.)	3.35 (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	18.08 (0.92)	22.73 (0.80)	24.21 (0.67)	20.93 (0.82)	14.05 (1.06)
YUG	68596	2.06	67185	14.66 (0.77)	27.47 (0.77)	27.43 (0.91)	14.18 (0.65)	16.25 (1.21)
THA	637076	5.83	599963	9.54 (0.73)	36.76 (0.92)	22.41 (0.74)	29.72 (1.12)	1.59 (0.27)
TUN	150875	33.84	99822	17.67 (0.99)	21.46 (0.72)	17.89 (0.81)	17.31 (0.87)	25.66 (1.36)
URY	33775	3.82	32486	17.20 (0.79)	30.01 (0.84)	28.12 (1.03)	10.85 (0.61)	13.82 (1.06)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Construct a web page.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.61)	536 (2.26)	534 (2.69)	462 (9.07)	416 (8.77)
AUT	85931	1.17	84927	495 (4.68)	501 (3.47)	499 (5.16)	427 (10.03)	396 (17.87)
BEL	111831	2.30	109260	506 (3.58)	528 (2.69)	533 (3.28)	439 (11.33)	383 (12.16)
CAN	330436	10.12	296990	530 (2.00)	538 (1.92)	537 (2.70)	477 (5.87)	492 (5.54)
CZE	121183	4.31	115964	494 (3.90)	503 (3.05)	511 (3.72)	458 (8.35)	426 (8.56)
DNK	51741	0.70	51378	482 (3.36)	503 (3.36)	511 (3.18)	456 (8.75)	423 (13.61)
FIN	57884	0.07	57845	539 (2.98)	545 (2.06)	553 (2.27)	492 (9.06)	509 (9.73)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	497 (4.81)	512 (3.86)	517 (3.79)	455 (7.94)	405 (11.44)
GRC	105131	2.07	102960	458 (5.59)	476 (4.99)	494 (4.09)	446 (7.84)	402 (13.45)
HUN	107044	0.17	106867	484 (4.88)	485 (2.96)	496 (3.32)	448 (5.00)	397 (12.11)
ISL	3928	0.69	3901	482 (2.97)	506 (2.50)	504 (4.13)	423 (15.16)	358 (19.78)
IRL	54850	1.31	54133	503 (5.08)	523 (3.51)	529 (2.56)	478 (6.21)	448 (7.98)
ITA	481521	2.27	470592	461 (4.42)	482 (3.48)	501 (2.89)	452 (6.25)	398 (8.65)
JPN	1240054	1.42	1222475	520 (5.28)	514 (4.91)	513 (4.29)	436 (7.63)	461 (6.42)
KOR	533504	0.12	532837	543 (4.17)	538 (3.07)	535 (3.89)	497 (6.57)	457 (11.43)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (6.49)	425 (4.69)	433 (4.60)	394 (5.06)	331 (6.45)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.97	46708	513 (3.67)	534 (3.18)	540 (3.35)	456 (8.52)	430 (16.06)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	494 (4.00)	503 (3.46)	518 (3.93)	470 (6.49)	441 (7.32)
PRT	96857	0.82	96058	455 (5.36)	484 (4.47)	503 (3.60)	440 (6.25)	417 (9.41)
SVK	77067	3.73	74195	474 (4.29)	488 (3.89)	494 (2.82)	446 (4.73)	407 (5.74)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	501 (4.23)	524 (2.53)	530 (3.71)	476 (9.19)	432 (14.06)
CHE	86491	0.48	86079	493 (4.05)	506 (4.32)	514 (3.38)	449 (7.64)	429 (10.42)
TUR	481279	13.78	414937	442 (8.37)	460 (7.36)	468 (9.47)	439 (6.55)	417 (5.41)
GBR	698579	91.67	58219	505 (3.75)	527 (3.48)	525 (4.66)	482 (10.05)	. (.)
USA	3147089	2.76	3060301	498 (3.28)	510 (3.61)	506 (5.35)	426 (8.27)	427 (7.85)
TOT	.	19.76	.	495 (1.69)	502 (1.52)	505 (1.73)	438 (2.60)	411 (3.55)
AVG	.	22.13	.	495 (0.93)	507 (0.83)	513 (0.90)	449 (1.72)	414 (2.38)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	478 (5.21)	494 (3.99)	515 (4.25)	457 (7.44)	451 (6.16)
LIE	338	0.30	337	524 (6.97)	531 (7.23)	524 (13.47)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	457 (4.73)	461 (4.63)	458 (5.49)	431 (5.61)	402 (6.24)
YUG	68596	2.06	67185	416 (4.80)	423 (4.13)	433 (4.10)	403 (4.55)	368 (5.64)
THA	637076	5.83	599963	430 (5.72)	430 (3.86)	427 (4.10)	410 (3.19)	369 (10.23)
TUN	150875	33.84	99822	398 (7.32)	388 (6.31)	399 (5.46)	376 (5.35)	350 (5.75)
URY	33775	3.82	32486	440 (5.29)	453 (4.03)	466 (4.96)	404 (6.81)	362 (7.35)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Construct a web page.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (2.68)	531 (2.38)	525 (2.80)	465 (6.44)	434 (7.77)
AUT	85931	1.17	84927	516 (4.50)	511 (3.07)	508 (3.86)	449 (9.07)	419 (14.94)
BEL	111831	2.30	109260	533 (3.63)	548 (2.58)	551 (2.78)	464 (11.09)	415 (9.73)
CAN	330436	10.12	296990	539 (2.00)	541 (2.12)	536 (3.01)	482 (5.20)	493 (5.64)
CZE	121183	4.31	115964	529 (4.48)	529 (3.16)	532 (4.23)	481 (7.73)	442 (6.90)
DNK	51741	0.70	51378	509 (3.42)	526 (3.18)	524 (3.15)	465 (7.33)	456 (11.69)
FIN	57884	0.07	57845	556 (3.22)	541 (2.24)	546 (2.61)	491 (8.31)	519 (9.18)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	514 (4.69)	521 (3.53)	518 (3.83)	459 (7.61)	436 (10.00)
GRC	105131	2.07	102960	444 (5.50)	446 (4.80)	461 (3.52)	418 (5.98)	390 (9.13)
HUN	107044	0.17	106867	504 (5.12)	494 (3.44)	502 (3.37)	448 (4.83)	398 (9.69)
ISL	3928	0.69	3901	514 (2.62)	524 (2.56)	516 (3.97)	449 (13.13)	415 (15.37)
IRL	54850	1.31	54133	497 (4.85)	508 (3.43)	513 (2.70)	473 (5.79)	443 (6.74)
ITA	481521	2.27	470592	467 (4.11)	471 (3.61)	483 (3.07)	435 (6.61)	400 (6.57)
JPN	1240054	1.42	1222475	550 (5.62)	547 (5.18)	547 (3.95)	477 (6.53)	508 (6.08)
KOR	533504	0.12	532837	555 (4.74)	546 (3.36)	541 (4.15)	501 (6.73)	479 (9.21)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	410 (6.09)	407 (4.49)	413 (3.77)	374 (4.88)	324 (6.02)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.97	46708	521 (3.54)	535 (2.89)	536 (2.92)	462 (6.76)	442 (15.79)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	496 (3.39)	494 (2.92)	502 (3.58)	457 (6.36)	441 (6.77)
PRT	96857	0.82	96058	459 (5.43)	472 (3.88)	482 (3.20)	423 (6.46)	406 (6.82)
SVK	77067	3.73	74195	503 (4.35)	518 (3.69)	522 (2.70)	476 (5.13)	436 (6.39)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	504 (4.14)	517 (2.95)	517 (3.54)	466 (8.92)	445 (11.83)
CHE	86491	0.48	86079	532 (4.44)	534 (4.90)	534 (3.09)	463 (6.92)	453 (8.18)
TUR	481279	13.78	414937	431 (9.86)	445 (8.60)	460 (10.95)	430 (7.61)	393 (5.92)
GBR	698579	91.67	58219	518 (3.53)	533 (3.56)	527 (4.15)	490 (9.66)	. (.)
USA	3147089	2.76	3060301	487 (3.01)	496 (3.20)	488 (4.85)	417 (6.94)	410 (7.67)
TOT	.	19.76	.	495 (1.58)	500 (1.39)	503 (1.68)	440 (2.35)	418 (3.74)
AVG	.	22.13	.	508 (0.93)	510 (0.82)	512 (0.87)	451 (1.49)	423 (2.43)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	478 (6.16)	487 (4.13)	503 (4.01)	449 (5.55)	440 (5.64)
LIE	338	0.30	337	548 (8.65)	534 (7.35)	518 (11.76)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	492 (4.77)	488 (5.26)	481 (5.05)	452 (5.73)	431 (5.89)
YUG	68596	2.06	67185	445 (5.22)	448 (4.44)	457 (4.04)	424 (4.64)	393 (5.49)
THA	637076	5.83	599963	430 (6.36)	429 (3.93)	425 (4.41)	405 (3.16)	363 (9.04)
TUN	150875	33.84	99822	395 (7.73)	375 (5.37)	380 (5.12)	358 (4.25)	339 (4.27)
URY	33775	3.82	32486	431 (5.30)	439 (4.84)	449 (3.77)	394 (5.22)	358 (5.71)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Construct a web page.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	532 (2.78)	533 (2.41)	524 (2.92)	457 (9.53)	433 (9.25)
AUT	85931	1.17	84927	502 (4.54)	498 (3.31)	492 (4.70)	425 (9.31)	406 (15.29)
BEL	111831	2.30	109260	511 (3.69)	527 (2.56)	530 (2.84)	444 (9.95)	397 (10.66)
CAN	330436	10.12	296990	524 (2.18)	528 (2.39)	525 (3.41)	467 (5.91)	481 (6.84)
CZE	121183	4.31	115964	533 (4.67)	534 (3.94)	540 (4.03)	483 (8.95)	452 (6.85)
DNK	51741	0.70	51378	474 (3.51)	487 (3.47)	484 (3.68)	423 (8.76)	395 (13.23)
FIN	57884	0.07	57845	558 (3.14)	548 (2.62)	550 (2.87)	488 (8.87)	508 (10.10)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	515 (5.24)	520 (4.00)	520 (3.83)	460 (8.88)	424 (11.15)
GRC	105131	2.07	102960	481 (6.25)	483 (4.34)	495 (3.79)	450 (6.85)	432 (10.80)
HUN	107044	0.17	106867	518 (5.21)	507 (3.35)	514 (3.73)	463 (5.04)	410 (11.67)
ISL	3928	0.69	3901	497 (2.84)	502 (2.56)	491 (4.62)	417 (13.10)	402 (16.17)
IRL	54850	1.31	54133	501 (5.33)	513 (3.77)	515 (2.77)	464 (6.63)	448 (7.68)
ITA	481521	2.27	470592	487 (4.94)	492 (3.90)	507 (3.15)	452 (7.25)	408 (7.64)
JPN	1240054	1.42	1222475	566 (5.61)	560 (5.50)	560 (4.48)	485 (7.35)	524 (6.49)
KOR	533504	0.12	532837	553 (5.13)	542 (3.71)	537 (4.89)	493 (7.75)	467 (10.44)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (6.21)	423 (4.50)	429 (4.06)	394 (4.45)	355 (4.88)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.97	46708	519 (3.91)	532 (3.11)	533 (3.64)	455 (7.17)	432 (15.37)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	503 (4.03)	502 (3.59)	510 (3.92)	461 (6.95)	450 (6.88)
PRT	96857	0.82	96058	461 (5.10)	473 (4.06)	485 (3.51)	425 (6.43)	408 (7.32)
SVK	77067	3.73	74195	502 (4.46)	518 (4.19)	521 (2.87)	471 (5.90)	429 (6.96)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (4.90)	514 (3.39)	519 (4.28)	471 (9.86)	424 (13.44)
CHE	86491	0.48	86079	517 (5.25)	522 (4.81)	522 (3.57)	443 (8.93)	434 (9.70)
TUR	481279	13.78	414937	436 (8.88)	453 (7.76)	462 (10.03)	435 (6.33)	413 (5.09)
GBR	698579	91.67	58219	510 (4.12)	522 (4.30)	516 (4.89)	462 (12.28)	. (.)
USA	3147089	2.76	3060301	495 (3.20)	504 (3.62)	498 (5.07)	429 (7.49)	415 (8.67)
TOT	.	19.76	.	501 (1.68)	507 (1.48)	512 (1.80)	448 (2.45)	432 (3.52)
AVG	.	22.13	.	506 (0.96)	510 (0.79)	514 (0.86)	452 (1.54)	429 (2.19)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	485 (5.61)	492 (4.48)	510 (4.42)	451 (7.64)	440 (6.13)
LIE	338	0.30	337	537 (8.13)	520 (7.96)	518 (15.60)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	512 (5.17)	505 (5.24)	502 (5.35)	475 (5.80)	453 (6.46)
YUG	68596	2.06	67185	442 (4.79)	447 (4.22)	455 (3.79)	424 (4.08)	398 (5.47)
THA	637076	5.83	599963	444 (6.27)	439 (3.87)	437 (4.12)	417 (3.18)	387 (10.74)
TUN	150875	33.84	99822	411 (7.73)	398 (5.58)	408 (5.53)	389 (4.65)	359 (4.99)
URY	33775	3.82	32486	445 (5.18)	454 (4.28)	465 (3.82)	414 (5.61)	377 (5.58)

ICT Questionnaire – Question 6

Q6 How well can you do each of these tasks on a computer?
Construct a web page.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	can do well Mean (SE)	can do with help Mean (SE)	can not do Mean (SE)	don't know Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (2.37)	537 (2.25)	530 (2.70)	464 (6.09)	440 (8.43)
AUT	85931	1.17	84927	517 (4.16)	512 (3.17)	507 (3.88)	444 (9.14)	422 (14.79)
BEL	111831	2.30	109260	526 (3.46)	542 (2.51)	547 (2.64)	466 (9.00)	422 (9.83)
CAN	330436	10.12	296990	536 (2.02)	540 (2.04)	535 (2.78)	479 (5.65)	488 (5.37)
CZE	121183	4.31	115964	529 (4.10)	530 (3.15)	531 (4.15)	472 (8.40)	444 (7.15)
DNK	51741	0.70	51378	513 (3.04)	528 (3.06)	525 (2.98)	464 (7.99)	456 (12.52)
FIN	57884	0.07	57845	558 (3.10)	546 (2.23)	549 (2.62)	493 (9.97)	512 (9.36)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	521 (4.49)	529 (3.64)	527 (3.72)	468 (7.98)	437 (10.27)
GRC	105131	2.07	102960	442 (6.00)	452 (5.07)	466 (3.95)	421 (6.76)	391 (9.29)
HUN	107044	0.17	106867	510 (5.27)	506 (3.43)	514 (3.35)	461 (4.77)	406 (10.48)
ISL	3928	0.69	3901	503 (2.57)	513 (2.26)	507 (4.74)	442 (13.70)	406 (15.78)
IRL	54850	1.31	54133	494 (4.59)	506 (3.29)	508 (2.41)	464 (5.94)	438 (7.00)
ITA	481521	2.27	470592	466 (4.44)	478 (3.81)	489 (2.96)	438 (6.56)	395 (8.08)
JPN	1240054	1.42	1222475	565 (5.79)	561 (5.10)	560 (4.32)	489 (6.86)	516 (6.33)
KOR	533504	0.12	532837	561 (4.68)	554 (3.20)	550 (3.76)	508 (6.63)	496 (8.41)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	415 (6.69)	408 (5.04)	414 (5.04)	369 (6.36)	319 (5.97)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	3.97	46708	530 (3.41)	545 (2.70)	544 (2.98)	470 (7.08)	455 (19.20)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	492 (3.92)	491 (3.10)	498 (3.59)	451 (6.24)	444 (6.51)
PRT	96857	0.82	96058	461 (6.07)	476 (4.42)	488 (3.58)	427 (6.12)	403 (8.00)
SVK	77067	3.73	74195	501 (4.78)	513 (3.58)	516 (2.68)	465 (5.00)	426 (6.07)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	501 (3.75)	517 (2.97)	517 (3.56)	466 (8.12)	457 (11.32)
CHE	86491	0.48	86079	524 (4.03)	529 (4.39)	532 (3.00)	460 (6.94)	442 (9.04)
TUR	481279	13.78	414937	417 (8.77)	427 (7.75)	437 (9.32)	409 (6.68)	379 (5.62)
GBR	698579	91.67	58219	519 (3.39)	534 (3.59)	530 (4.21)	490 (10.59)	. (.)
USA	3147089	2.76	3060301	481 (3.03)	490 (3.54)	484 (5.24)	411 (7.55)	403 (8.18)
TOT	.	19.76	.	493 (1.60)	502 (1.51)	506 (1.82)	440 (2.54)	416 (3.88)
AVG	.	22.13	.	507 (0.91)	512 (0.83)	514 (0.90)	450 (1.58)	421 (2.57)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	476 (6.61)	487 (4.37)	502 (4.33)	446 (7.96)	437 (6.38)
LIE	338	0.30	337	537 (8.00)	531 (7.04)	519 (12.11)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.08	2022403	506 (5.36)	502 (5.61)	496 (5.55)	459 (6.39)	433 (6.24)
YUG	68596	2.06	67185	424 (4.60)	432 (4.25)	441 (4.14)	414 (4.27)	373 (5.50)
THA	637076	5.83	599963	441 (6.29)	438 (3.79)	433 (4.45)	411 (3.12)	372 (11.24)
TUN	150875	33.84	99822	373 (6.14)	361 (4.62)	364 (4.68)	348 (4.24)	322 (3.80)
URY	33775	3.82	32486	423 (5.68)	429 (4.76)	440 (4.73)	382 (6.03)	335 (6.87)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
It is very important to me to work with a computer.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	(SE)	Agree %	(SE)	Disagree %	(SE)	Strongly Disagree %	(SE)	Missing %	(SE)
AUS	235591	0.47	234483	43.90	(0.73)	41.32	(0.51)	10.54	(0.46)	1.04	(0.10)	3.21	(0.28)
AUT	85931	1.17	84927	63.70	(0.82)	25.35	(0.74)	7.59	(0.39)	2.32	(0.26)	1.04	(0.20)
BEL	111831	2.30	109260	48.20	(0.68)	32.94	(0.72)	11.26	(0.38)	2.51	(0.22)	5.08	(0.54)
CAN	330436	10.12	296990	52.68	(0.58)	35.06	(0.45)	8.62	(0.36)	1.77	(0.13)	1.87	(0.16)
CZE	121183	4.28	115994	43.11	(0.95)	35.44	(0.71)	14.45	(0.62)	1.13	(0.16)	5.87	(0.53)
DNK	51741	0.70	51378	39.01	(0.85)	36.95	(0.79)	18.82	(0.70)	2.58	(0.24)	2.64	(0.34)
FIN	57884	0.07	57845	26.47	(0.69)	42.85	(0.68)	25.34	(0.62)	2.49	(0.19)	2.85	(0.25)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	56.17	(0.70)	26.44	(0.66)	9.99	(0.55)	2.84	(0.25)	4.55	(0.43)
GRC	105131	2.07	102960	42.24	(0.80)	40.90	(0.87)	11.98	(0.48)	1.47	(0.15)	3.41	(0.33)
HUN	107044	0.17	106867	30.89	(0.89)	38.15	(0.82)	23.68	(0.66)	4.22	(0.34)	3.07	(0.34)
ISL	3928	0.69	3901	62.23	(0.89)	28.36	(0.76)	6.63	(0.44)	1.37	(0.21)	1.40	(0.24)
IRL	54850	1.31	54133	27.19	(0.78)	39.25	(0.82)	24.50	(0.71)	5.04	(0.32)	4.02	(0.42)
ITA	481521	2.28	470557	44.12	(0.76)	41.90	(0.78)	7.90	(0.33)	1.16	(0.14)	4.92	(0.45)
JPN	1240054	1.42	1222475	26.22	(0.87)	31.51	(0.74)	21.74	(0.61)	7.32	(0.53)	13.21	(0.72)
KOR	533504	0.12	532837	58.02	(0.76)	34.83	(0.67)	4.46	(0.28)	0.31	(.)	2.38	(0.24)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	47.04	(1.18)	33.55	(0.93)	5.23	(0.34)	1.35	(0.18)	12.83	(1.35)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	4.39	46504	39.52	(0.66)	42.35	(0.69)	15.44	(0.60)	1.87	(0.23)	0.82	(0.15)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	50.65	(0.76)	36.88	(0.70)	7.19	(0.43)	0.99	(0.16)	4.28	(0.39)
PRT	96857	0.80	96079	56.25	(1.02)	33.91	(0.93)	5.87	(0.43)	0.92	(0.15)	3.05	(0.32)
SVK	77067	3.73	74195	37.43	(1.02)	36.20	(0.72)	11.78	(0.48)	1.85	(0.19)	12.74	(0.92)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	39.68	(0.98)	38.39	(0.85)	16.62	(0.72)	2.25	(0.29)	3.06	(0.27)
CHE	86491	0.49	86063	46.98	(0.79)	31.92	(0.71)	13.68	(0.53)	4.75	(0.40)	2.67	(0.24)
TUR	481279	13.78	414937	42.87	(1.24)	27.91	(0.94)	8.44	(0.59)	2.08	(0.26)	18.70	(1.23)
GBR	698579	91.67	58219	47.12	(1.06)	39.54	(0.97)	11.90	(0.72)	0.82	(.)	0.62	(.)
USA	3147089	2.76	3060301	53.70	(0.83)	35.02	(0.71)	7.08	(0.37)	0.96	(0.14)	3.23	(0.23)
TOT	.	19.76	.	47.39	(0.30)	34.11	(0.29)	9.99	(0.18)	2.19	(0.09)	6.31	(0.17)
AVG	.	22.15	.	44.89	(0.17)	35.38	(0.15)	12.53	(0.12)	2.28	(0.05)	4.92	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.84	33359	33.19	(1.17)	38.41	(0.76)	20.50	(0.94)	1.88	(0.24)	6.01	(0.56)
LIE	338	0.30	337	58.37	(2.45)	28.36	(2.10)	9.00	(.)	1.52	(.)	2.76	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.06	2022801	36.55	(1.20)	33.28	(0.69)	16.87	(0.91)	1.44	(0.19)	11.86	(1.02)
YUG	68596	1.88	67308	53.83	(1.24)	23.61	(0.79)	6.56	(0.54)	2.03	(0.29)	13.96	(1.10)
THA	637076	5.83	599963	45.93	(1.25)	47.23	(1.04)	4.86	(0.47)	1.03	(0.17)	0.95	(0.17)
TUN	150875	33.84	99822	52.33	(1.17)	18.96	(0.86)	3.24	(0.29)	1.75	(0.26)	23.71	(1.36)
URY	33775	3.82	32486	53.91	(0.98)	28.38	(0.75)	5.96	(0.46)	1.14	(0.16)	10.60	(0.94)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
It is very important to me to work with a computer.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	535 (2.41)	528 (2.17)	518 (3.87)	486 (12.64)	422 (8.26)
AUT	85931	1.17	84927	496 (3.44)	495 (4.97)	496 (6.43)	460 (13.06)	375 (17.49)
BEL	111831	2.30	109260	524 (2.77)	518 (3.60)	504 (4.26)	465 (10.88)	381 (13.70)
CAN	330436	10.12	296990	539 (1.73)	528 (1.92)	520 (3.77)	509 (8.98)	479 (7.88)
CZE	121183	4.28	115994	507 (2.98)	502 (3.59)	481 (4.65)	475 (15.60)	422 (9.55)
DNK	51741	0.70	51378	491 (3.43)	501 (3.45)	493 (3.97)	477 (8.49)	425 (14.98)
FIN	57884	0.07	57845	543 (2.60)	545 (1.95)	547 (2.88)	530 (9.11)	505 (9.63)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	504 (3.80)	514 (4.47)	499 (5.41)	482 (14.11)	404 (10.91)
GRC	105131	2.07	102960	475 (4.70)	474 (4.50)	482 (5.76)	480 (14.45)	403 (14.80)
HUN	107044	0.17	106867	489 (3.16)	489 (3.28)	478 (3.52)	459 (8.36)	386 (12.48)
ISL	3928	0.69	3901	492 (2.14)	502 (3.00)	495 (6.85)	453 (17.68)	349 (18.84)
IRL	54850	1.31	54133	527 (3.34)	519 (3.58)	515 (3.08)	491 (6.23)	440 (8.63)
ITA	481521	2.28	470557	470 (3.34)	491 (3.24)	495 (4.82)	485 (12.39)	401 (9.13)
JPN	1240054	1.42	1222475	526 (4.63)	509 (3.96)	491 (5.49)	451 (11.50)	463 (6.63)
KOR	533504	0.12	532837	539 (3.29)	532 (3.46)	528 (5.61)	. (.)	460 (11.35)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.46)	417 (4.01)	412 (8.50)	367 (15.45)	329 (7.84)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.39	46504	531 (2.92)	528 (3.13)	517 (4.43)	505 (11.82)	420 (20.09)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (3.09)	496 (3.60)	499 (6.20)	487 (21.78)	441 (7.61)
PRT	96857	0.80	96079	486 (4.02)	474 (4.62)	461 (7.11)	434 (16.05)	423 (8.47)
SVK	77067	3.73	74195	490 (3.11)	480 (3.75)	470 (4.70)	434 (9.19)	406 (5.33)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	511 (3.06)	523 (3.04)	525 (4.48)	505 (11.16)	416 (12.54)
CHE	86491	0.49	86063	504 (3.07)	501 (4.26)	503 (5.68)	471 (11.42)	423 (8.99)
TUR	481279	13.78	414937	445 (6.76)	451 (7.75)	474 (10.24)	434 (14.75)	424 (6.23)
GBR	698579	91.67	58219	523 (3.05)	515 (3.80)	502 (6.93)	. (.)	. (.)
USA	3147089	2.76	3060301	512 (3.46)	489 (3.59)	475 (6.01)	455 (16.57)	432 (8.85)
TOT	.	19.76	.	501 (1.61)	492 (1.52)	488 (1.97)	456 (5.40)	416 (3.97)
AVG	.	22.15	.	502 (0.84)	502 (0.86)	500 (1.11)	471 (3.09)	415 (2.59)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.84	33359	498 (4.56)	495 (4.03)	488 (5.43)	464 (15.87)	450 (6.42)
LIE	338	0.30	337	526 (4.63)	526 (9.56)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	460 (4.54)	449 (4.31)	434 (6.11)	411 (17.04)	406 (6.06)
YUG	68596	1.88	67308	421 (3.69)	421 (4.45)	415 (7.35)	379 (9.58)	372 (6.10)
THA	637076	5.83	599963	433 (3.68)	414 (3.29)	415 (8.00)	387 (12.34)	370 (12.41)
TUN	150875	33.84	99822	401 (4.79)	371 (5.96)	367 (11.15)	331 (15.03)	345 (5.68)
URY	33775	3.82	32486	444 (3.54)	449 (4.92)	449 (10.75)	382 (17.82)	359 (8.63)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
It is very important to me to work with a computer.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	536 (2.29)	523 (2.15)	513 (4.13)	491 (11.20)	439 (6.61)
AUT	85931	1.17	84927	510 (3.21)	509 (4.46)	507 (5.36)	470 (13.57)	405 (18.14)
BEL	111831	2.30	109260	548 (2.60)	538 (3.33)	519 (4.04)	487 (10.42)	415 (11.55)
CAN	330436	10.12	296990	545 (1.76)	531 (1.99)	520 (3.93)	517 (9.38)	488 (8.25)
CZE	121183	4.28	115994	540 (3.42)	525 (4.06)	498 (4.40)	494 (12.97)	439 (7.79)
DNK	51741	0.70	51378	519 (3.49)	521 (3.15)	504 (3.88)	488 (10.54)	461 (12.01)
FIN	57884	0.07	57845	551 (2.68)	545 (2.02)	541 (3.06)	536 (8.19)	514 (8.78)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	517 (3.69)	520 (4.19)	495 (5.03)	497 (13.65)	435 (9.19)
GRC	105131	2.07	102960	451 (4.47)	445 (4.58)	451 (5.09)	444 (11.83)	386 (9.40)
HUN	107044	0.17	106867	503 (3.61)	497 (3.56)	483 (3.48)	458 (8.94)	387 (9.55)
ISL	3928	0.69	3901	516 (2.06)	522 (2.89)	513 (5.76)	485 (15.82)	412 (16.63)
IRL	54850	1.31	54133	513 (3.69)	507 (3.22)	500 (3.11)	480 (5.97)	439 (7.42)
ITA	481521	2.28	470557	465 (3.53)	475 (3.34)	478 (4.67)	470 (14.00)	403 (6.32)
JPN	1240054	1.42	1222475	553 (5.41)	543 (4.17)	528 (5.13)	499 (10.40)	509 (6.21)
KOR	533504	0.12	532837	550 (3.68)	536 (3.43)	526 (6.28)	. (.)	482 (9.73)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	408 (4.07)	398 (3.61)	389 (8.35)	346 (11.23)	325 (6.94)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.39	46504	533 (2.88)	528 (2.68)	518 (4.04)	502 (11.34)	436 (14.70)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	501 (2.60)	486 (3.39)	485 (5.88)	475 (16.02)	446 (6.90)
PRT	96857	0.80	96079	476 (3.73)	460 (4.08)	449 (6.38)	435 (15.92)	409 (7.25)
SVK	77067	3.73	74195	523 (2.86)	508 (3.36)	492 (4.14)	461 (8.94)	435 (6.08)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (3.18)	516 (3.30)	511 (4.24)	486 (9.75)	433 (11.45)
CHE	86491	0.49	86063	537 (3.42)	526 (4.32)	522 (5.66)	491 (6.03)	444 (8.16)
TUR	481279	13.78	414937	428 (8.04)	440 (8.75)	464 (11.75)	433 (18.53)	404 (6.17)
GBR	698579	91.67	58219	534 (2.42)	520 (3.28)	506 (6.72)	. (.)	. (.)
USA	3147089	2.76	3060301	499 (3.23)	476 (3.20)	462 (5.55)	460 (16.74)	413 (8.19)
TOT	.	19.76	.	499 (1.54)	489 (1.36)	492 (1.94)	478 (4.54)	426 (3.91)
AVG	.	22.15	.	509 (0.84)	504 (0.81)	502 (1.18)	481 (2.44)	427 (2.41)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.84	33359	493 (4.74)	487 (4.69)	478 (4.87)	460 (13.51)	438 (6.02)
LIE	338	0.30	337	537 (6.06)	537 (9.95)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	489 (4.59)	475 (4.73)	457 (5.96)	448 (14.60)	435 (5.58)
YUG	68596	1.88	67308	447 (3.93)	443 (4.63)	436 (6.49)	403 (10.01)	398 (5.81)
THA	637076	5.83	599963	430 (3.73)	412 (3.29)	413 (7.98)	396 (11.29)	356 (13.97)
TUN	150875	33.84	99822	386 (4.76)	361 (4.79)	350 (8.48)	343 (11.47)	335 (4.44)
URY	33775	3.82	32486	430 (4.09)	435 (4.54)	440 (5.01)	387 (12.67)	364 (6.55)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
It is very important to me to work with a computer.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	538 (2.35)	523 (2.20)	513 (4.41)	481 (11.56)	438 (8.33)
AUT	85931	1.17	84927	496 (3.25)	493 (4.87)	490 (5.82)	463 (13.46)	396 (15.72)
BEL	111831	2.30	109260	525 (2.60)	517 (3.47)	505 (3.97)	468 (10.16)	397 (12.31)
CAN	330436	10.12	296990	531 (1.95)	518 (2.20)	510 (4.39)	509 (9.73)	473 (9.01)
CZE	121183	4.28	115994	545 (3.41)	532 (3.99)	506 (5.05)	503 (16.44)	447 (7.64)
DNK	51741	0.70	51378	482 (3.80)	482 (3.63)	466 (4.72)	451 (11.01)	391 (15.40)
FIN	57884	0.07	57845	556 (2.84)	549 (2.18)	545 (3.27)	534 (9.69)	503 (9.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	518 (3.89)	520 (4.94)	497 (5.81)	490 (15.02)	421 (10.79)
GRC	105131	2.07	102960	486 (4.29)	480 (4.09)	489 (6.48)	474 (13.87)	427 (12.24)
HUN	107044	0.17	106867	520 (3.85)	509 (3.40)	492 (3.70)	466 (9.27)	400 (10.91)
ISL	3928	0.69	3901	497 (2.13)	500 (2.92)	486 (6.80)	452 (16.54)	398 (18.07)
IRL	54850	1.31	54133	519 (3.79)	509 (3.52)	500 (3.41)	475 (7.56)	442 (7.50)
ITA	481521	2.28	470557	487 (3.70)	497 (3.55)	498 (5.73)	501 (12.53)	409 (8.68)
JPN	1240054	1.42	1222475	570 (5.75)	557 (4.28)	539 (5.78)	506 (11.13)	526 (6.66)
KOR	533504	0.12	532837	547 (3.99)	532 (3.75)	527 (7.00)	. (.)	468 (11.14)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	425 (3.90)	415 (3.81)	403 (8.16)	360 (14.03)	358 (6.01)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.39	46504	530 (3.29)	526 (3.15)	517 (4.29)	501 (12.17)	423 (17.03)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	509 (3.41)	492 (3.83)	492 (7.28)	491 (18.29)	452 (7.14)
PRT	96857	0.80	96079	478 (3.79)	462 (4.31)	450 (6.30)	436 (20.15)	409 (6.83)
SVK	77067	3.73	74195	520 (3.27)	507 (3.42)	495 (5.18)	465 (13.08)	428 (6.64)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	506 (3.56)	513 (3.51)	512 (5.56)	498 (11.52)	408 (12.68)
CHE	86491	0.49	86063	521 (3.44)	514 (5.14)	514 (6.37)	482 (12.93)	418 (8.89)
TUR	481279	13.78	414937	438 (7.03)	447 (7.46)	467 (10.69)	436 (15.02)	419 (5.85)
GBR	698579	91.67	58219	523 (3.09)	510 (3.95)	495 (8.08)	. (.)	. (.)
USA	3147089	2.76	3060301	509 (3.53)	483 (3.34)	472 (5.98)	467 (15.09)	421 (10.19)
TOT	.	19.76	.	506 (1.64)	496 (1.36)	499 (2.09)	482 (4.96)	439 (3.80)
AVG	.	22.15	.	509 (0.83)	505 (0.77)	502 (1.16)	479 (3.03)	431 (2.37)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.84	33359	502 (4.85)	494 (4.75)	481 (5.29)	463 (13.57)	438 (6.50)
LIE	338	0.30	337	529 (6.21)	521 (10.87)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	509 (5.11)	493 (4.72)	477 (7.08)	472 (17.11)	460 (5.97)
YUG	68596	1.88	67308	444 (3.76)	444 (4.62)	440 (7.80)	414 (10.76)	401 (5.41)
THA	637076	5.83	599963	442 (3.70)	423 (3.07)	430 (7.92)	397 (9.85)	389 (12.70)
TUN	150875	33.84	99822	410 (4.72)	383 (5.24)	381 (9.74)	365 (13.28)	356 (5.53)
URY	33775	3.82	32486	447 (3.53)	450 (3.86)	453 (7.82)	394 (14.44)	379 (6.55)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
It is very important to me to work with a computer.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	541 (2.12)	529 (2.00)	521 (3.85)	489 (11.99)	445 (6.85)
AUT	85931	1.17	84927	511 (3.07)	508 (4.17)	503 (5.10)	470 (13.06)	409 (16.76)
BEL	111831	2.30	109260	543 (2.41)	533 (3.24)	515 (3.88)	483 (9.43)	419 (11.16)
CAN	330436	10.12	296990	542 (1.69)	529 (1.93)	519 (3.81)	509 (9.37)	479 (8.85)
CZE	121183	4.28	115994	540 (3.17)	526 (4.10)	498 (4.53)	485 (12.72)	439 (8.01)
DNK	51741	0.70	51378	522 (3.01)	523 (3.10)	508 (3.45)	490 (8.19)	462 (13.15)
FIN	57884	0.07	57845	557 (2.88)	549 (2.16)	543 (2.94)	526 (9.15)	507 (8.48)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	525 (3.59)	529 (4.26)	506 (4.96)	500 (13.26)	435 (9.51)
GRC	105131	2.07	102960	453 (4.95)	449 (4.45)	455 (5.47)	456 (13.18)	388 (9.54)
HUN	107044	0.17	106867	513 (3.30)	509 (3.74)	493 (3.64)	467 (9.33)	396 (9.30)
ISL	3928	0.69	3901	507 (1.89)	509 (2.70)	500 (5.95)	465 (16.98)	404 (17.07)
IRL	54850	1.31	54133	510 (3.59)	503 (3.29)	494 (2.86)	472 (5.69)	431 (7.40)
ITA	481521	2.28	470557	468 (3.65)	482 (3.43)	480 (4.73)	470 (13.47)	398 (8.07)
JPN	1240054	1.42	1222475	573 (5.14)	556 (4.27)	538 (5.49)	502 (10.94)	519 (6.35)
KOR	533504	0.12	532837	558 (3.38)	545 (3.44)	536 (6.48)	. (.)	500 (8.61)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	409 (4.87)	397 (4.37)	392 (9.99)	343 (13.82)	320 (6.88)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.39	46504	543 (2.69)	538 (2.73)	525 (4.01)	506 (11.24)	446 (17.68)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	497 (3.01)	482 (3.38)	482 (5.94)	470 (17.79)	446 (7.34)
PRT	96857	0.80	96079	479 (4.25)	465 (4.59)	455 (6.58)	438 (20.04)	403 (9.23)
SVK	77067	3.73	74195	517 (2.93)	503 (3.46)	488 (4.22)	450 (10.05)	425 (5.65)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	509 (3.19)	515 (3.01)	512 (3.91)	483 (9.93)	443 (11.04)
CHE	86491	0.49	86063	528 (3.13)	522 (4.04)	522 (4.90)	496 (8.30)	436 (8.28)
TUR	481279	13.78	414937	415 (7.39)	418 (7.86)	438 (10.55)	406 (16.42)	390 (5.86)
GBR	698579	91.67	58219	534 (2.56)	523 (3.43)	509 (6.22)	. (.)	. (.)
USA	3147089	2.76	3060301	494 (3.42)	471 (3.49)	458 (5.97)	452 (17.43)	406 (8.79)
TOT	.	19.76	.	499 (1.59)	490 (1.54)	495 (2.00)	476 (5.20)	424 (4.14)
AVG	.	22.15	.	510 (0.84)	505 (0.83)	503 (1.21)	479 (3.03)	424 (2.54)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.84	33359	498 (5.05)	484 (4.53)	475 (5.95)	452 (13.43)	435 (6.10)
LIE	338	0.30	337	531 (5.42)	529 (9.51)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	502 (5.13)	486 (5.05)	465 (6.91)	441 (15.75)	438 (6.02)
YUG	68596	1.88	67308	431 (3.45)	427 (4.21)	418 (5.38)	390 (10.96)	379 (5.80)
THA	637076	5.83	599963	441 (3.52)	419 (3.01)	417 (7.65)	390 (14.13)	366 (13.04)
TUN	150875	33.84	99822	370 (3.85)	348 (4.69)	336 (8.26)	319 (12.83)	319 (3.98)
URY	33775	3.82	32486	420 (4.55)	426 (4.43)	435 (7.19)	358 (12.15)	336 (6.94)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I think playing or working with a computer is really fun.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.47	234483	41.19	(0.67)	44.49	(0.74)	9.67	(0.32)	1.34	(0.12)	3.30	(0.29)
AUT	85931	1.17	84927	71.73	(0.87)	20.71	(0.73)	4.99	(0.28)	1.54	(0.20)	1.03	(0.21)
BEL	111831	2.30	109260	50.16	(0.64)	37.89	(0.63)	5.11	(0.25)	1.80	(0.18)	5.04	(0.51)
CAN	330436	10.12	296990	57.15	(0.51)	34.67	(0.46)	4.92	(0.23)	1.12	(0.10)	2.14	(0.16)
CZE	121183	4.28	115994	45.46	(1.06)	42.01	(0.90)	5.93	(0.39)	0.84	(0.15)	5.75	(0.50)
DNK	51741	0.70	51378	46.15	(0.92)	38.24	(0.73)	10.27	(0.64)	2.59	(0.30)	2.76	(0.34)
FIN	57884	0.07	57845	36.01	(0.75)	49.41	(0.77)	9.74	(0.47)	1.98	(0.17)	2.86	(0.25)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	69.50	(0.72)	20.03	(0.61)	4.97	(0.36)	1.11	(0.17)	4.40	(0.43)
GRC	105131	2.07	102960	48.15	(0.71)	39.36	(0.86)	7.72	(0.35)	1.40	(0.19)	3.38	(0.32)
HUN	107044	0.17	106867	46.14	(0.80)	42.26	(0.81)	7.01	(0.39)	1.42	(0.19)	3.16	(0.34)
ISL	3928	0.69	3901	67.72	(0.71)	24.96	(0.72)	4.85	(0.38)	0.98	(0.16)	1.49	(0.25)
IRL	54850	1.31	54133	38.05	(0.89)	50.64	(0.80)	5.58	(0.42)	1.63	(0.23)	4.10	(0.40)
ITA	481521	2.28	470557	39.09	(0.72)	46.59	(0.76)	7.38	(0.33)	1.68	(0.16)	5.26	(0.48)
JPN	1240054	1.42	1222475	36.26	(0.97)	35.03	(0.70)	11.28	(0.52)	4.22	(0.39)	13.21	(0.72)
KOR	533504	0.12	532837	61.13	(0.76)	32.70	(0.78)	3.41	(0.26)	0.37	(.)	2.39	(0.24)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	34.66	(0.89)	41.22	(0.91)	7.98	(0.32)	1.89	(0.20)	14.25	(1.37)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	4.41	46493	44.58	(0.85)	45.32	(0.82)	8.23	(0.53)	0.92	(0.15)	0.95	(0.14)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	46.47	(0.87)	38.47	(0.88)	8.55	(0.46)	2.11	(0.24)	4.40	(0.41)
PRT	96857	0.80	96079	48.05	(0.90)	42.29	(0.90)	5.28	(0.41)	1.07	(0.16)	3.32	(0.34)
SVK	77067	3.73	74195	40.66	(0.82)	40.00	(0.72)	5.40	(0.32)	1.27	(0.15)	12.68	(0.97)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	53.53	(0.86)	32.97	(0.76)	7.99	(0.38)	2.33	(0.23)	3.17	(0.26)
CHE	86491	0.48	86079	55.88	(0.73)	29.84	(0.72)	8.84	(0.41)	2.90	(0.28)	2.54	(0.22)
TUR	481279	13.78	414937	47.44	(1.38)	27.39	(0.68)	4.09	(0.44)	1.59	(0.24)	19.50	(1.29)
GBR	698579	91.67	58219	49.31	(0.88)	42.40	(0.98)	6.55	(0.51)	0.94	(.)	0.80	(.)
USA	3147089	2.76	3060301	56.24	(0.71)	35.88	(0.66)	3.80	(0.28)	0.80	(0.13)	3.29	(0.22)
TOT	.	19.76	.	50.09	(0.30)	35.56	(0.28)	6.21	(0.12)	1.61	(0.08)	6.53	(0.18)
AVG	.	22.15	.	49.26	(0.18)	37.25	(0.16)	6.82	(0.09)	1.62	(0.04)	5.05	(0.11)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.83	33364	34.13	(0.98)	49.11	(0.92)	9.46	(0.58)	1.46	(0.22)	5.84	(0.57)
LIE	338	0.30	337	70.11	(2.52)	21.39	(1.96)	4.23	(.)	1.22	(.)	3.05	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.06	2022801	43.34	(1.21)	36.38	(1.06)	7.35	(0.48)	1.39	(0.21)	11.54	(0.99)
YUG	68596	1.90	67293	63.21	(1.18)	18.49	(0.74)	2.38	(0.24)	1.27	(0.20)	14.65	(1.11)
THA	637076	5.83	599963	44.51	(1.04)	49.72	(1.13)	4.29	(0.39)	0.55	(.)	0.93	(0.16)
TUN	150875	33.84	99822	40.03	(1.02)	27.31	(0.97)	5.95	(0.51)	2.84	(0.27)	23.87	(1.35)
URY	33775	3.82	32486	46.08	(0.99)	35.79	(0.75)	5.07	(0.30)	1.49	(0.18)	11.57	(0.96)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I think playing or working with a computer is really fun.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.09)	532 (2.31)	542 (4.59)	518 (8.73)	424 (7.86)
AUT	85931	1.17	84927	492 (3.68)	506 (4.78)	493 (8.23)	485 (12.46)	369 (15.99)
BEL	111831	2.30	109260	519 (2.63)	520 (3.49)	501 (7.54)	490 (11.52)	381 (13.43)
CAN	330436	10.12	296990	535 (1.81)	532 (2.20)	526 (4.70)	493 (10.29)	478 (7.94)
CZE	121183	4.28	115994	492 (3.21)	506 (3.34)	519 (6.44)	515 (14.68)	426 (8.76)
DNK	51741	0.70	51378	486 (3.21)	502 (3.37)	506 (4.87)	492 (11.34)	423 (15.80)
FIN	57884	0.07	57845	540 (2.35)	546 (1.95)	561 (4.13)	523 (9.58)	507 (9.22)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	503 (3.45)	516 (4.77)	505 (6.95)	476 (18.29)	404 (11.17)
GRC	105131	2.07	102960	477 (3.91)	474 (4.89)	476 (6.50)	462 (14.39)	402 (14.51)
HUN	107044	0.17	106867	482 (2.67)	487 (3.18)	498 (6.35)	480 (13.86)	383 (12.14)
ISL	3928	0.69	3901	492 (1.95)	502 (3.72)	496 (9.59)	454 (23.72)	353 (18.75)
IRL	54850	1.31	54133	522 (3.12)	518 (2.98)	507 (7.47)	490 (13.19)	440 (8.19)
ITA	481521	2.28	470557	474 (3.10)	488 (3.07)	493 (7.28)	471 (14.61)	398 (9.51)
JPN	1240054	1.42	1222475	521 (4.34)	505 (4.19)	479 (6.21)	435 (13.76)	463 (6.56)
KOR	533504	0.12	532837	537 (3.25)	535 (3.48)	530 (8.68)	. (.)	460 (11.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	427 (4.75)	421 (3.93)	402 (5.94)	379 (13.26)	329 (6.71)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	522 (2.87)	528 (3.35)	546 (5.71)	520 (20.29)	446 (17.47)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.99)	500 (3.32)	497 (6.33)	511 (11.68)	442 (7.78)
PRT	96857	0.80	96079	480 (4.22)	481 (4.15)	477 (7.23)	436 (19.16)	423 (8.61)
SVK	77067	3.73	74195	478 (2.72)	486 (3.29)	495 (6.15)	459 (13.73)	406 (5.40)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (2.85)	529 (2.99)	530 (6.65)	515 (9.79)	416 (12.85)
CHE	86491	0.48	86079	502 (3.35)	504 (3.81)	496 (5.64)	480 (14.03)	423 (10.40)
TUR	481279	13.78	414937	456 (6.72)	449 (7.53)	427 (11.53)	411 (20.16)	420 (6.17)
GBR	698579	91.67	58219	514 (2.92)	518 (3.29)	533 (7.49)	. (.)	. (.)
USA	3147089	2.76	3060301	508 (3.20)	494 (3.67)	470 (10.53)	454 (16.98)	432 (9.07)
TOT	.	19.76	.	501 (1.47)	492 (1.62)	479 (2.56)	450 (6.15)	413 (3.78)
AVG	.	22.15	.	500 (0.76)	504 (0.93)	502 (1.77)	475 (3.68)	414 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	490 (4.52)	495 (4.03)	494 (5.63)	504 (15.28)	454 (6.80)
LIE	338	0.30	337	522 (4.63)	535 (12.73)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	454 (4.43)	445 (4.80)	458 (6.89)	405 (19.67)	409 (5.92)
YUG	68596	1.90	67293	422 (3.62)	417 (4.66)	417 (9.99)	381 (13.61)	372 (5.35)
THA	637076	5.83	599963	434 (3.44)	415 (3.24)	405 (7.27)	. (.)	367 (12.23)
TUN	150875	33.84	99822	408 (5.45)	381 (4.69)	350 (8.96)	338 (11.80)	343 (5.75)
URY	33775	3.82	32486	447 (3.91)	450 (4.18)	435 (10.29)	404 (16.60)	357 (7.56)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I think playing or working with a computer is really fun.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (2.18)	527 (2.44)	532 (4.17)	511 (7.88)	441 (6.27)
AUT	85931	1.17	84927	507 (3.32)	516 (4.34)	505 (7.78)	491 (11.64)	398 (17.01)
BEL	111831	2.30	109260	544 (2.56)	539 (3.18)	514 (6.22)	508 (10.96)	416 (11.61)
CAN	330436	10.12	296990	541 (1.82)	534 (2.20)	528 (4.23)	496 (9.47)	484 (8.74)
CZE	121183	4.28	115994	526 (3.78)	528 (3.64)	530 (6.24)	543 (14.66)	443 (7.54)
DNK	51741	0.70	51378	518 (3.20)	517 (3.53)	511 (4.77)	503 (9.91)	457 (12.96)
FIN	57884	0.07	57845	548 (2.57)	543 (2.03)	551 (4.28)	525 (9.02)	514 (8.63)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	515 (3.43)	518 (4.55)	508 (6.43)	479 (16.59)	435 (9.99)
GRC	105131	2.07	102960	453 (3.99)	442 (4.60)	449 (6.10)	439 (12.96)	385 (9.20)
HUN	107044	0.17	106867	494 (3.05)	493 (3.44)	498 (6.39)	479 (13.17)	389 (9.24)
ISL	3928	0.69	3901	517 (2.00)	519 (3.32)	510 (6.94)	483 (19.10)	414 (16.35)
IRL	54850	1.31	54133	509 (3.05)	505 (2.80)	496 (7.46)	478 (10.81)	440 (7.24)
ITA	481521	2.28	470557	470 (3.66)	471 (3.20)	478 (5.99)	450 (11.90)	399 (6.76)
JPN	1240054	1.42	1222475	547 (5.00)	541 (4.27)	524 (6.29)	488 (12.39)	509 (6.15)
KOR	533504	0.12	532837	548 (3.56)	539 (3.85)	526 (8.07)	. (.)	481 (9.70)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	410 (4.34)	404 (3.70)	381 (4.91)	359 (10.54)	325 (6.34)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	525 (3.04)	528 (2.53)	546 (4.99)	507 (16.54)	458 (15.11)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.75)	490 (3.19)	482 (6.07)	485 (9.18)	446 (7.12)
PRT	96857	0.80	96079	473 (4.07)	465 (3.56)	461 (6.52)	432 (15.35)	406 (7.54)
SVK	77067	3.73	74195	510 (2.91)	513 (2.91)	514 (6.21)	492 (15.45)	436 (6.18)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	510 (2.98)	516 (3.04)	516 (6.71)	487 (9.52)	433 (11.67)
CHE	86491	0.48	86079	533 (3.58)	529 (4.03)	515 (5.58)	498 (8.74)	448 (9.46)
TUR	481279	13.78	414937	443 (8.13)	434 (8.52)	416 (12.69)	405 (22.15)	398 (6.38)
GBR	698579	91.67	58219	524 (2.84)	525 (2.85)	530 (5.86)	. (.)	. (.)
USA	3147089	2.76	3060301	495 (3.07)	480 (3.26)	463 (8.84)	445 (13.55)	412 (8.23)
TOT	.	19.76	.	501 (1.39)	489 (1.42)	483 (2.58)	461 (4.92)	422 (3.87)
AVG	.	22.15	.	509 (0.79)	504 (0.87)	502 (1.52)	479 (2.94)	425 (2.45)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	487 (4.84)	487 (3.82)	483 (5.73)	491 (17.88)	441 (5.68)
LIE	338	0.30	337	535 (5.37)	543 (12.18)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	483 (4.54)	469 (5.40)	478 (6.60)	445 (14.01)	437 (5.50)
YUG	68596	1.90	67293	447 (3.88)	441 (5.01)	439 (10.24)	408 (13.19)	398 (5.43)
THA	637076	5.83	599963	429 (3.65)	415 (3.28)	404 (6.53)	. (.)	354 (12.05)
TUN	150875	33.84	99822	392 (5.25)	369 (4.09)	341 (6.61)	343 (10.40)	334 (4.46)
URY	33775	3.82	32486	433 (4.02)	435 (3.93)	428 (6.94)	408 (16.02)	359 (5.76)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I think playing or working with a computer is really fun.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	530 (2.29)	527 (2.48)	532 (4.73)	509 (7.61)	440 (7.61)
AUT	85931	1.17	84927	493 (3.52)	500 (4.58)	487 (7.44)	477 (12.51)	389 (17.12)
BEL	111831	2.30	109260	521 (2.57)	518 (3.51)	501 (6.37)	491 (11.48)	396 (11.85)
CAN	330436	10.12	296990	527 (2.04)	522 (2.37)	518 (4.91)	486 (10.78)	468 (9.60)
CZE	121183	4.28	115994	530 (3.87)	534 (3.50)	543 (6.24)	545 (15.77)	452 (7.34)
DNK	51741	0.70	51378	481 (3.41)	478 (3.68)	469 (6.30)	460 (11.87)	391 (15.38)
FIN	57884	0.07	57845	553 (2.70)	547 (2.24)	558 (5.56)	517 (10.77)	504 (9.46)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	516 (3.67)	519 (4.88)	505 (8.35)	477 (19.01)	421 (11.32)
GRC	105131	2.07	102960	488 (3.90)	479 (4.48)	486 (7.02)	463 (13.89)	428 (11.26)
HUN	107044	0.17	106867	510 (2.99)	503 (3.49)	511 (6.49)	484 (13.69)	398 (10.86)
ISL	3928	0.69	3901	498 (1.94)	497 (3.23)	487 (8.45)	451 (19.31)	400 (17.37)
IRL	54850	1.31	54133	514 (3.33)	506 (2.94)	491 (8.43)	472 (15.11)	443 (6.95)
ITA	481521	2.28	470557	492 (3.56)	494 (3.52)	499 (7.15)	474 (13.29)	407 (8.59)
JPN	1240054	1.42	1222475	563 (5.18)	553 (4.38)	534 (6.79)	492 (13.61)	526 (6.53)
KOR	533504	0.12	532837	544 (3.82)	536 (4.10)	522 (8.93)	. (.)	468 (11.11)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	429 (4.17)	419 (3.55)	396 (5.55)	378 (13.25)	357 (5.25)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	522 (3.15)	526 (2.93)	544 (5.82)	513 (19.20)	449 (16.25)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	507 (3.36)	498 (3.59)	487 (6.27)	503 (10.70)	452 (7.21)
PRT	96857	0.80	96079	474 (4.13)	468 (3.74)	463 (7.30)	434 (19.53)	410 (7.46)
SVK	77067	3.73	74195	507 (3.08)	512 (3.28)	519 (6.48)	498 (16.86)	429 (6.69)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	507 (3.24)	515 (3.31)	516 (7.48)	497 (12.83)	409 (12.12)
CHE	86491	0.48	86079	518 (3.65)	517 (4.38)	506 (6.38)	494 (15.88)	421 (9.86)
TUR	481279	13.78	414937	450 (7.13)	442 (7.51)	427 (11.76)	416 (20.64)	415 (5.68)
GBR	698579	91.67	58219	514 (3.22)	513 (3.71)	528 (7.86)	. (.)	. (.)
USA	3147089	2.76	3060301	504 (3.23)	487 (3.30)	474 (9.64)	458 (14.82)	419 (9.29)
TOT	.	19.76	.	508 (1.47)	496 (1.45)	491 (2.51)	469 (5.31)	436 (3.57)
AVG	.	22.15	.	508 (0.76)	505 (0.85)	502 (1.64)	479 (3.33)	430 (2.33)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	496 (4.90)	492 (4.29)	485 (6.17)	480 (18.97)	441 (6.75)
LIE	338	0.30	337	524 (5.63)	529 (14.78)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	504 (5.01)	487 (5.14)	500 (6.92)	464 (16.05)	462 (5.87)
YUG	68596	1.90	67293	444 (3.57)	442 (5.17)	446 (11.19)	421 (15.95)	402 (5.26)
THA	637076	5.83	599963	440 (3.32)	426 (3.08)	419 (6.21)	. (.)	387 (12.81)
TUN	150875	33.84	99822	415 (5.03)	393 (4.68)	366 (6.72)	369 (9.76)	355 (5.43)
URY	33775	3.82	32486	452 (3.55)	448 (4.13)	442 (8.52)	414 (15.79)	377 (5.81)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I think playing or working with a computer is really fun.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	533 (1.96)	533 (2.32)	538 (4.09)	516 (8.06)	447 (6.59)
AUT	85931	1.17	84927	509 (3.29)	514 (4.09)	499 (7.71)	485 (11.87)	400 (14.82)
BEL	111831	2.30	109260	538 (2.40)	534 (2.97)	511 (5.80)	502 (11.30)	419 (11.15)
CAN	330436	10.12	296990	539 (1.72)	533 (2.15)	524 (4.75)	491 (9.62)	475 (8.58)
CZE	121183	4.28	115994	526 (3.52)	528 (3.47)	531 (5.89)	529 (13.31)	444 (7.63)
DNK	51741	0.70	51378	520 (2.87)	520 (3.46)	514 (4.76)	498 (8.92)	457 (14.23)
FIN	57884	0.07	57845	552 (2.68)	547 (2.05)	554 (4.75)	524 (9.71)	508 (8.49)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	523 (3.37)	529 (4.49)	515 (6.36)	485 (17.03)	435 (10.03)
GRC	105131	2.07	102960	456 (4.22)	447 (4.50)	452 (6.30)	448 (12.75)	385 (9.74)
HUN	107044	0.17	106867	504 (2.95)	505 (3.51)	510 (6.52)	490 (12.03)	397 (8.90)
ISL	3928	0.69	3901	508 (1.91)	508 (3.16)	496 (7.42)	462 (18.04)	405 (16.80)
IRL	54850	1.31	54133	505 (2.81)	501 (2.90)	487 (6.69)	471 (9.81)	432 (7.26)
ITA	481521	2.28	470557	474 (3.47)	478 (3.11)	479 (6.13)	453 (13.46)	393 (8.84)
JPN	1240054	1.42	1222475	566 (4.77)	552 (4.50)	529 (6.28)	489 (12.03)	519 (6.31)
KOR	533504	0.12	532837	555 (3.31)	548 (3.60)	532 (8.01)	. (.)	500 (8.63)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	412 (4.95)	403 (4.79)	379 (6.31)	353 (13.44)	320 (6.49)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	535 (2.70)	537 (2.50)	552 (5.75)	514 (17.67)	470 (18.33)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	495 (2.86)	486 (3.25)	481 (5.89)	492 (10.50)	445 (7.71)
PRT	96857	0.80	96079	476 (4.54)	471 (4.24)	466 (7.25)	435 (15.98)	404 (8.56)
SVK	77067	3.73	74195	504 (2.83)	508 (3.05)	510 (6.67)	475 (17.58)	425 (5.74)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	509 (2.90)	517 (2.70)	513 (6.50)	487 (10.06)	443 (11.23)
CHE	86491	0.48	86079	525 (3.25)	525 (3.76)	517 (4.72)	501 (11.04)	436 (9.60)
TUR	481279	13.78	414937	427 (7.12)	414 (7.57)	391 (13.09)	382 (19.82)	385 (6.07)
GBR	698579	91.67	58219	524 (2.83)	528 (3.03)	537 (6.81)	. (.)	. (.)
USA	3147089	2.76	3060301	489 (3.18)	475 (3.52)	456 (9.20)	438 (14.05)	406 (8.24)
TOT	.	19.76	.	502 (1.43)	490 (1.61)	483 (2.78)	460 (5.44)	421 (3.99)
AVG	.	22.15	.	509 (0.77)	505 (0.89)	502 (1.53)	478 (3.29)	422 (2.56)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	490 (5.10)	485 (4.23)	477 (6.71)	479 (17.92)	439 (6.13)
LIE	338	0.30	337	528 (4.93)	538 (12.25)	. (.)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	496 (4.81)	479 (5.42)	489 (8.05)	445 (16.91)	441 (5.85)
YUG	68596	1.90	67293	431 (3.45)	425 (4.78)	421 (10.69)	389 (13.00)	379 (5.23)
THA	637076	5.83	599963	440 (3.43)	421 (3.25)	405 (7.12)	. (.)	367 (12.73)
TUN	150875	33.84	99822	375 (4.49)	355 (4.15)	325 (6.88)	324 (11.20)	318 (4.09)
URY	33775	3.82	32486	425 (4.42)	425 (4.05)	415 (9.23)	378 (18.93)	333 (6.56)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I use a computer because I am very interested.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.47	234483	33.74	(0.62)	38.50	(0.68)	22.49	(0.53)	1.89	(0.14)	3.38	(0.29)
AUT	85931	1.17	84927	57.91	(0.95)	25.12	(0.70)	12.76	(0.52)	3.03	(0.29)	1.17	(0.22)
BEL	111831	2.30	109260	43.76	(0.61)	33.67	(0.64)	14.84	(0.42)	2.48	(0.20)	5.25	(0.52)
CAN	330436	10.12	296990	44.56	(0.55)	34.46	(0.52)	16.57	(0.40)	1.94	(0.13)	2.47	(0.17)
CZE	121183	4.28	115994	39.78	(1.02)	38.40	(0.81)	14.75	(0.56)	1.08	(0.15)	5.99	(0.53)
DNK	51741	0.70	51378	33.84	(0.93)	29.10	(0.73)	28.63	(0.80)	5.12	(0.32)	3.32	(0.36)
FIN	57884	0.07	57845	30.68	(0.75)	42.27	(0.74)	21.64	(0.58)	2.46	(0.22)	2.94	(0.26)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	53.58	(0.76)	24.47	(0.63)	14.91	(0.56)	2.51	(0.25)	4.53	(0.44)
GRC	105131	2.07	102960	39.91	(1.00)	39.18	(0.89)	15.06	(0.50)	2.11	(0.20)	3.74	(0.35)
HUN	107044	0.17	106867	36.17	(0.78)	36.19	(0.67)	21.35	(0.69)	3.10	(0.24)	3.19	(0.35)
ISL	3928	0.69	3901	42.68	(0.84)	30.46	(0.79)	21.62	(0.74)	3.74	(0.37)	1.49	(0.24)
IRL	54850	1.31	54133	26.71	(0.79)	35.68	(0.81)	28.78	(0.78)	4.60	(0.32)	4.22	(0.42)
ITA	481521	2.28	470557	41.40	(0.72)	40.40	(0.76)	11.10	(0.41)	1.76	(0.18)	5.33	(0.45)
JPN	1240054	1.42	1222475	28.47	(0.86)	30.94	(0.71)	20.47	(0.65)	6.87	(0.50)	13.25	(0.71)
KOR	533504	0.12	532837	39.47	(0.94)	34.91	(0.66)	21.99	(0.73)	1.19	(0.13)	2.44	(0.25)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	35.65	(0.99)	33.76	(0.90)	13.29	(0.60)	2.31	(0.25)	14.99	(1.41)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	4.41	46493	36.14	(0.79)	39.80	(0.78)	20.87	(0.77)	2.28	(0.26)	0.91	(0.15)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	47.39	(0.79)	36.96	(0.81)	9.41	(0.55)	1.65	(0.22)	4.59	(0.42)
PRT	96857	0.80	96079	52.89	(0.95)	34.23	(0.84)	8.10	(0.46)	1.33	(0.18)	3.44	(0.36)
SVK	77067	3.73	74195	41.18	(1.04)	35.56	(0.71)	8.91	(0.49)	1.56	(0.16)	12.80	(0.93)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	38.75	(1.00)	32.53	(0.84)	21.60	(0.81)	3.61	(0.31)	3.50	(0.29)
CHE	86491	0.48	86079	42.49	(0.69)	31.20	(0.61)	19.17	(0.59)	4.28	(0.27)	2.84	(0.23)
TUR	481279	13.78	414937	31.35	(1.15)	26.71	(0.93)	16.09	(0.69)	4.31	(0.41)	21.55	(1.42)
GBR	698579	91.67	58219	40.43	(0.99)	38.66	(1.00)	17.89	(0.81)	2.22	(0.29)	0.81	(.)
USA	3147089	2.76	3060301	35.81	(0.61)	35.68	(0.65)	22.30	(0.66)	2.74	(0.24)	3.47	(0.24)
TOT	.	19.76	.	38.15	(0.27)	33.75	(0.30)	18.27	(0.24)	3.02	(0.12)	6.82	(0.19)
AVG	.	22.15	.	39.78	(0.18)	34.23	(0.16)	17.84	(0.15)	2.83	(0.06)	5.31	(0.12)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.83	33364	35.01	(1.11)	41.36	(0.94)	15.61	(0.73)	2.04	(0.24)	5.99	(0.57)
LIE	338	0.30	337	54.16	(2.71)	26.81	(2.66)	13.55	(1.97)	1.82	(.)	3.66	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.06	2022801	43.30	(1.07)	35.10	(0.88)	8.06	(0.44)	1.28	(0.17)	12.26	(0.97)
YUG	68596	1.87	67311	53.81	(1.19)	21.23	(0.81)	7.75	(0.65)	1.83	(0.24)	15.38	(1.13)
THA	637076	5.83	599963	42.16	(1.14)	49.67	(0.98)	6.53	(0.50)	0.53	(.)	1.11	(0.17)
TUN	150875	33.84	99822	41.08	(1.27)	22.97	(0.88)	8.42	(0.51)	2.82	(0.33)	24.72	(1.35)
URY	33775	3.82	32486	46.83	(1.07)	31.05	(0.88)	8.12	(0.45)	1.47	(0.18)	12.53	(0.99)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I use a computer because I am very interested.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	522 (2.19)	531 (2.52)	539 (3.12)	523 (8.19)	426 (8.15)
AUT	85931	1.17	84927	490 (3.54)	499 (4.51)	510 (5.73)	484 (9.51)	373 (16.77)
BEL	111831	2.30	109260	510 (2.73)	522 (3.82)	537 (3.44)	495 (10.11)	382 (13.12)
CAN	330436	10.12	296990	530 (1.92)	534 (1.83)	541 (2.97)	508 (7.92)	486 (7.78)
CZE	121183	4.28	115994	495 (3.18)	501 (3.21)	514 (4.49)	506 (14.33)	422 (9.65)
DNK	51741	0.70	51378	480 (3.51)	500 (3.60)	507 (3.45)	495 (8.16)	429 (14.14)
FIN	57884	0.07	57845	536 (2.50)	548 (2.01)	551 (3.41)	540 (8.53)	506 (8.99)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	501 (3.81)	510 (4.74)	518 (4.51)	487 (12.57)	403 (10.37)
GRC	105131	2.07	102960	478 (4.77)	474 (5.13)	476 (5.62)	464 (12.44)	403 (12.91)
HUN	107044	0.17	106867	481 (2.92)	486 (3.39)	493 (3.86)	467 (8.63)	386 (12.13)
ISL	3928	0.69	3901	479 (2.51)	501 (2.76)	516 (3.93)	493 (8.72)	362 (19.17)
IRL	54850	1.31	54133	519 (3.17)	517 (3.12)	523 (3.85)	506 (7.11)	438 (8.07)
ITA	481521	2.28	470557	474 (3.50)	489 (3.10)	486 (5.61)	482 (10.08)	399 (9.04)
JPN	1240054	1.42	1222475	524 (4.71)	507 (3.84)	493 (5.38)	448 (10.91)	463 (6.59)
KOR	533504	0.12	532837	531 (3.50)	535 (3.49)	548 (4.14)	523 (14.86)	462 (11.19)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	423 (4.54)	423 (4.19)	425 (5.41)	362 (11.01)	329 (6.79)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	518 (3.07)	528 (3.20)	539 (4.39)	517 (11.07)	447 (22.41)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	502 (2.87)	498 (3.60)	506 (7.14)	501 (15.12)	445 (8.11)
PRT	96857	0.80	96079	484 (3.94)	475 (4.80)	480 (6.50)	446 (16.72)	419 (9.07)
SVK	77067	3.73	74195	482 (2.67)	482 (3.80)	494 (4.85)	433 (9.83)	407 (5.42)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	504 (3.25)	524 (3.03)	534 (3.90)	524 (9.80)	425 (12.14)
CHE	86491	0.48	86079	500 (3.48)	502 (3.99)	510 (4.56)	488 (9.18)	418 (10.89)
TUR	481279	13.78	414937	455 (7.68)	450 (6.86)	455 (9.01)	436 (9.29)	418 (5.84)
GBR	698579	91.67	58219	513 (3.01)	519 (3.62)	525 (4.89)	484 (14.93)	. (.)
USA	3147089	2.76	3060301	495 (3.42)	501 (3.76)	514 (4.12)	467 (11.31)	430 (9.03)
TOT	.	19.76	.	494 (1.40)	496 (1.61)	506 (1.98)	460 (4.92)	413 (3.85)
AVG	.	22.15	.	496 (0.79)	503 (0.87)	513 (1.14)	482 (2.71)	414 (2.59)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	492 (4.32)	492 (4.11)	501 (5.62)	479 (13.87)	454 (6.92)
LIE	338	0.30	337	517 (5.57)	533 (10.56)	552 (12.94)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	458 (4.51)	446 (4.69)	439 (6.32)	387 (18.84)	406 (5.95)
YUG	68596	1.87	67311	422 (3.69)	419 (4.11)	422 (6.12)	400 (12.38)	369 (5.66)
THA	637076	5.83	599963	432 (3.21)	418 (3.25)	404 (6.92)	. (.)	374 (9.57)
TUN	150875	33.84	99822	407 (5.68)	384 (4.67)	352 (8.27)	343 (10.13)	346 (5.48)
URY	33775	3.82	32486	449 (3.92)	447 (4.03)	449 (7.74)	403 (14.03)	358 (7.42)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I use a computer because I am very interested.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.33)	529 (2.57)	530 (3.22)	520 (7.66)	441 (6.48)
AUT	85931	1.17	84927	507 (3.31)	510 (3.98)	518 (5.22)	490 (10.30)	401 (16.56)
BEL	111831	2.30	109260	534 (2.73)	543 (3.42)	554 (3.46)	515 (7.65)	416 (11.33)
CAN	330436	10.12	296990	539 (2.01)	537 (1.89)	537 (2.76)	510 (6.97)	494 (7.09)
CZE	121183	4.28	115994	530 (3.63)	524 (3.65)	531 (4.59)	516 (13.56)	439 (8.02)
DNK	51741	0.70	51378	515 (3.60)	520 (3.64)	516 (3.47)	508 (6.87)	457 (12.07)
FIN	57884	0.07	57845	544 (2.70)	547 (1.97)	544 (3.36)	543 (8.20)	514 (8.36)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	517 (3.83)	513 (4.51)	517 (4.20)	482 (13.11)	435 (8.92)
GRC	105131	2.07	102960	455 (4.61)	445 (4.63)	445 (4.92)	438 (9.72)	384 (9.10)
HUN	107044	0.17	106867	495 (3.35)	494 (3.77)	494 (3.84)	461 (10.02)	391 (9.44)
ISL	3928	0.69	3901	511 (2.45)	520 (2.79)	524 (3.71)	512 (8.76)	420 (16.13)
IRL	54850	1.31	54133	506 (3.19)	506 (3.09)	506 (3.51)	495 (6.79)	439 (6.95)
ITA	481521	2.28	470557	468 (3.68)	474 (3.20)	472 (5.26)	458 (8.61)	402 (6.53)
JPN	1240054	1.42	1222475	550 (5.37)	542 (4.08)	533 (5.27)	497 (10.18)	509 (6.19)
KOR	533504	0.12	532837	543 (4.16)	541 (3.23)	552 (4.16)	517 (13.11)	481 (9.61)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	407 (4.31)	406 (3.58)	399 (5.66)	357 (11.15)	324 (6.36)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	521 (3.11)	530 (2.98)	537 (3.20)	512 (10.26)	460 (17.02)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	499 (2.44)	488 (3.49)	494 (6.84)	478 (11.52)	447 (7.05)
PRT	96857	0.80	96079	476 (3.61)	460 (4.19)	464 (5.74)	438 (12.35)	405 (7.92)
SVK	77067	3.73	74195	515 (2.86)	508 (3.59)	516 (5.05)	457 (10.69)	436 (6.07)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	506 (3.34)	514 (3.39)	521 (3.54)	509 (9.01)	439 (11.67)
CHE	86491	0.48	86079	533 (3.69)	527 (4.29)	529 (4.57)	502 (6.18)	441 (9.44)
TUR	481279	13.78	414937	442 (9.04)	437 (8.10)	443 (9.84)	425 (10.29)	395 (6.30)
GBR	698579	91.67	58219	526 (2.52)	526 (3.27)	524 (4.72)	492 (13.73)	. (.)
USA	3147089	2.76	3060301	486 (3.56)	487 (3.23)	495 (3.56)	460 (10.00)	411 (8.14)
TOT	.	19.76	.	496 (1.44)	493 (1.31)	501 (1.81)	469 (4.57)	421 (3.90)
AVG	.	22.15	.	506 (0.79)	505 (0.82)	512 (1.08)	486 (2.44)	424 (2.55)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	488 (4.54)	484 (3.86)	492 (5.12)	467 (14.40)	441 (6.09)
LIE	338	0.30	337	531 (7.10)	542 (10.46)	550 (13.55)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	485 (4.63)	470 (5.38)	468 (6.03)	428 (14.45)	435 (5.28)
YUG	68596	1.87	67311	448 (4.00)	444 (4.62)	440 (6.04)	419 (10.74)	395 (5.25)
THA	637076	5.83	599963	428 (3.43)	416 (3.48)	407 (6.17)	. (.)	360 (13.47)
TUN	150875	33.84	99822	391 (5.51)	372 (4.52)	340 (6.47)	339 (8.22)	336 (4.39)
URY	33775	3.82	32486	435 (4.24)	432 (3.92)	436 (6.48)	408 (11.51)	362 (5.34)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I use a computer because I am very interested.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (2.51)	529 (2.63)	530 (3.52)	517 (7.40)	440 (7.88)
AUT	85931	1.17	84927	492 (3.49)	495 (4.07)	504 (5.22)	481 (9.69)	391 (15.65)
BEL	111831	2.30	109260	513 (2.82)	521 (3.60)	534 (3.27)	496 (9.49)	396 (11.59)
CAN	330436	10.12	296990	523 (2.22)	524 (2.15)	530 (3.49)	501 (8.11)	478 (8.76)
CZE	121183	4.28	115994	535 (3.65)	530 (3.55)	540 (4.66)	537 (17.35)	447 (7.90)
DNK	51741	0.70	51378	478 (4.04)	481 (4.07)	478 (4.03)	467 (8.44)	398 (14.98)
FIN	57884	0.07	57845	549 (2.75)	551 (2.17)	549 (3.83)	539 (8.92)	504 (9.05)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	518 (4.05)	513 (5.04)	519 (4.77)	478 (13.86)	421 (10.30)
GRC	105131	2.07	102960	489 (4.64)	480 (4.42)	483 (6.54)	460 (12.83)	428 (10.93)
HUN	107044	0.17	106867	512 (3.41)	507 (3.60)	504 (4.10)	467 (10.01)	401 (10.87)
ISL	3928	0.69	3901	493 (2.34)	498 (3.08)	505 (3.94)	485 (8.80)	408 (17.87)
IRL	54850	1.31	54133	512 (3.43)	508 (3.35)	508 (3.92)	490 (7.93)	442 (6.81)
ITA	481521	2.28	470557	491 (3.83)	495 (3.56)	493 (5.95)	492 (11.29)	410 (8.14)
JPN	1240054	1.42	1222475	567 (5.72)	554 (3.98)	543 (5.69)	505 (10.86)	526 (6.54)
KOR	533504	0.12	532837	538 (4.53)	537 (4.03)	551 (4.16)	516 (16.83)	467 (11.26)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	424 (4.14)	422 (3.90)	415 (5.34)	369 (13.81)	357 (5.54)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	517 (3.32)	527 (3.12)	537 (4.13)	514 (12.28)	454 (19.07)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	506 (3.12)	495 (3.85)	499 (7.52)	498 (13.81)	454 (7.48)
PRT	96857	0.80	96079	478 (3.78)	462 (4.41)	466 (5.79)	439 (15.96)	407 (7.83)
SVK	77067	3.73	74195	512 (3.06)	507 (3.75)	519 (5.04)	462 (13.65)	429 (6.61)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	501 (3.59)	513 (3.62)	520 (4.70)	514 (10.35)	418 (12.26)
CHE	86491	0.48	86079	517 (3.89)	515 (4.84)	519 (5.70)	502 (9.62)	414 (8.91)
TUR	481279	13.78	414937	449 (8.26)	444 (6.70)	450 (9.08)	430 (8.36)	413 (5.46)
GBR	698579	91.67	58219	515 (3.07)	515 (3.96)	517 (5.47)	480 (15.02)	. (.)
USA	3147089	2.76	3060301	496 (3.63)	495 (3.51)	504 (3.61)	468 (10.14)	419 (9.02)
TOT	.	19.76	.	503 (1.46)	500 (1.40)	508 (1.88)	476 (4.53)	434 (3.64)
AVG	.	22.15	.	505 (0.79)	506 (0.80)	512 (1.18)	484 (2.53)	429 (2.39)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	497 (4.44)	490 (4.44)	494 (5.62)	468 (15.22)	441 (6.67)
LIE	338	0.30	337	520 (6.67)	531 (12.72)	541 (14.67)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	506 (4.82)	489 (4.99)	484 (6.28)	452 (17.96)	460 (6.05)
YUG	68596	1.87	67311	445 (3.70)	444 (3.89)	444 (6.91)	433 (14.47)	400 (5.13)
THA	637076	5.83	599963	439 (3.24)	428 (3.24)	421 (5.86)	. (.)	394 (12.25)
TUN	150875	33.84	99822	414 (5.21)	397 (4.45)	364 (7.02)	368 (10.55)	357 (5.33)
URY	33775	3.82	32486	452 (3.77)	447 (3.82)	448 (6.71)	422 (15.06)	378 (5.69)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I use a computer because I am very interested.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.09)	534 (2.35)	536 (3.00)	523 (7.91)	447 (6.68)
AUT	85931	1.17	84927	509 (3.23)	509 (3.79)	516 (5.04)	487 (10.27)	404 (15.31)
BEL	111831	2.30	109260	530 (2.67)	538 (3.12)	548 (3.33)	509 (8.21)	419 (10.83)
CAN	330436	10.12	296990	536 (1.92)	536 (1.91)	537 (2.83)	502 (7.42)	487 (7.21)
CZE	121183	4.28	115994	532 (3.48)	524 (3.46)	528 (4.62)	506 (12.95)	441 (8.09)
DNK	51741	0.70	51378	517 (3.26)	523 (3.69)	520 (3.39)	508 (6.91)	459 (12.99)
FIN	57884	0.07	57845	549 (2.76)	550 (2.16)	547 (3.24)	542 (9.59)	508 (8.23)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	524 (3.66)	523 (4.56)	526 (4.44)	494 (12.57)	435 (9.16)
GRC	105131	2.07	102960	457 (5.04)	449 (4.80)	449 (5.25)	440 (10.60)	385 (9.02)
HUN	107044	0.17	106867	505 (3.14)	506 (3.84)	506 (4.04)	471 (9.53)	397 (9.16)
ISL	3928	0.69	3901	501 (2.49)	510 (2.64)	514 (3.71)	497 (8.18)	411 (16.49)
IRL	54850	1.31	54133	504 (2.97)	502 (2.98)	501 (3.44)	485 (6.82)	430 (7.10)
ITA	481521	2.28	470557	473 (3.48)	480 (3.20)	473 (5.11)	458 (11.13)	395 (8.49)
JPN	1240054	1.42	1222475	570 (5.15)	554 (4.16)	542 (5.56)	498 (9.87)	518 (6.30)
KOR	533504	0.12	532837	551 (3.78)	549 (3.33)	559 (4.00)	527 (14.56)	499 (8.66)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	408 (4.97)	405 (4.94)	403 (6.31)	352 (14.40)	320 (6.60)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	532 (2.94)	540 (2.69)	543 (3.96)	520 (10.57)	469 (19.28)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	495 (2.67)	485 (3.50)	488 (7.12)	481 (13.80)	446 (7.84)
PRT	96857	0.80	96079	479 (4.10)	466 (4.82)	469 (6.19)	436 (14.48)	403 (9.16)
SVK	77067	3.73	74195	510 (2.78)	502 (3.74)	512 (4.95)	447 (12.03)	426 (5.64)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	505 (3.28)	514 (3.12)	519 (3.55)	505 (9.61)	449 (10.53)
CHE	86491	0.48	86079	525 (3.34)	523 (4.07)	528 (4.15)	510 (7.38)	430 (9.75)
TUR	481279	13.78	414937	429 (8.04)	417 (7.37)	422 (8.91)	401 (8.59)	381 (6.10)
GBR	698579	91.67	58219	526 (2.70)	528 (3.33)	529 (4.46)	492 (13.87)	. (.)
USA	3147089	2.76	3060301	480 (3.80)	482 (3.49)	491 (3.99)	453 (10.48)	406 (9.11)
TOT	.	19.76	.	497 (1.45)	494 (1.55)	501 (1.87)	467 (4.79)	419 (4.11)
AVG	.	22.15	.	507 (0.78)	506 (0.86)	513 (1.09)	484 (2.61)	421 (2.68)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	493 (4.85)	481 (4.24)	486 (5.69)	461 (13.66)	438 (6.20)
LIE	338	0.30	337	524 (6.32)	535 (10.44)	551 (13.11)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	499 (4.94)	481 (5.50)	474 (7.59)	424 (16.38)	438 (5.49)
YUG	68596	1.87	67311	432 (3.46)	428 (4.66)	422 (6.08)	403 (11.03)	376 (5.30)
THA	637076	5.83	599963	439 (3.19)	423 (3.22)	408 (7.15)	. (.)	365 (13.25)
TUN	150875	33.84	99822	374 (4.42)	358 (3.97)	329 (6.15)	321 (9.02)	320 (3.93)
URY	33775	3.82	32486	426 (4.72)	423 (4.50)	426 (6.23)	371 (13.45)	336 (6.05)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I lose track of time when I am working with the computer.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree %	Strongly Agree (SE)	Agree %	Agree (SE)	Disagree %	Disagree (SE)	Strongly Disagree %	Strongly Disagree (SE)	Missing %	Missing (SE)
AUS	235591	0.47	234483	32.70	(0.51)	35.75	(0.51)	24.50	(0.37)	3.58	(0.21)	3.47	(0.31)
AUT	85931	1.17	84927	46.85	(0.98)	28.31	(0.71)	18.10	(0.67)	5.48	(0.41)	1.26	(0.24)
BEL	111831	2.30	109260	45.36	(0.57)	28.57	(0.53)	17.50	(0.54)	3.10	(0.20)	5.47	(0.50)
CAN	330436	10.12	296990	42.77	(0.50)	30.83	(0.43)	20.56	(0.34)	2.92	(0.16)	2.93	(0.19)
CZE	121183	4.28	115994	35.68	(0.83)	31.95	(0.64)	23.36	(0.70)	3.11	(0.23)	5.90	(0.49)
DNK	51741	0.70	51378	30.28	(0.86)	29.98	(0.77)	30.10	(0.92)	6.67	(0.40)	2.97	(0.36)
FIN	57884	0.07	57845	22.03	(0.61)	32.27	(0.71)	36.14	(0.73)	6.69	(0.41)	2.87	(0.25)
FRA	734579	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
DEU	884358	5.76	833448	43.89	(0.91)	25.60	(0.69)	20.32	(0.73)	5.67	(0.45)	4.52	(0.43)
GRC	105131	2.07	102960	45.95	(0.83)	36.13	(0.80)	11.43	(0.50)	2.88	(0.28)	3.61	(0.34)
HUN	107044	0.17	106867	33.63	(0.77)	31.55	(0.77)	25.64	(0.66)	5.90	(0.40)	3.27	(0.36)
ISL	3928	0.69	3901	37.53	(0.82)	31.04	(0.75)	25.21	(0.71)	4.59	(0.41)	1.63	(0.25)
IRL	54850	1.31	54133	32.17	(0.70)	35.94	(0.73)	23.01	(0.69)	4.43	(0.34)	4.46	(0.43)
ITA	481521	2.28	470557	28.90	(0.61)	30.11	(0.62)	28.58	(0.61)	6.94	(0.37)	5.47	(0.45)
JPN	1240054	1.42	1222475	25.52	(0.68)	27.06	(0.70)	24.62	(0.73)	9.61	(0.57)	13.19	(0.72)
KOR	533504	0.12	532837	47.46	(0.84)	33.14	(0.65)	15.64	(0.64)	1.35	(0.16)	2.41	(0.24)
LUX	4080	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
MEX	1071650	12.34	939388	23.11	(0.84)	24.48	(0.64)	28.56	(0.85)	8.40	(0.59)	15.45	(1.39)
NLD	184943	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
NZL	48638	4.41	46493	34.48	(0.70)	36.79	(0.75)	23.73	(0.69)	4.09	(0.31)	0.91	(0.15)
NOR	52816	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
POL	534900	1.17	528615	51.90	(0.83)	35.51	(0.76)	6.76	(0.42)	1.33	(0.17)	4.50	(0.41)
PRT	96857	0.80	96079	48.10	(0.93)	30.66	(0.78)	15.60	(0.72)	2.13	(0.20)	3.51	(0.37)
SVK	77067	3.71	74208	30.13	(0.83)	32.63	(0.65)	21.70	(0.59)	2.88	(0.25)	12.66	(0.92)
ESP	344372	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
SWE	107104	0.44	106628	34.90	(0.71)	29.42	(0.77)	26.77	(0.76)	5.51	(0.36)	3.40	(0.29)
CHE	86491	0.48	86079	40.54	(0.82)	29.44	(0.64)	20.62	(0.67)	6.65	(0.35)	2.75	(0.23)
TUR	481279	13.78	414937	42.95	(1.44)	25.50	(0.77)	7.71	(0.49)	3.21	(0.34)	20.63	(1.40)
GBR	698579	91.67	58219	45.01	(0.94)	32.88	(0.94)	18.75	(0.86)	2.66	(0.29)	0.70	(.)
USA	3147089	2.76	3060301	38.00	(0.71)	32.53	(0.57)	21.98	(0.64)	4.03	(0.29)	3.46	(0.26)
TOT	.	19.76	.	36.61	(0.30)	30.15	(0.24)	21.31	(0.28)	5.10	(0.13)	6.82	(0.19)
AVG	.	22.15	.	37.32	(0.18)	31.12	(0.14)	21.63	(0.16)	4.62	(0.07)	5.30	(0.12)
HKG	72484	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
IDN	1971476	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
LVA	33643	0.83	33364	32.11	(0.91)	35.91	(0.76)	22.92	(0.86)	2.96	(0.26)	6.10	(0.58)
LIE	338	0.30	337	40.93	(2.84)	30.67	(2.54)	19.58	(2.04)	4.85	(.)	3.97	(.)
MAC	6546	100.00	0	.	(.)	.	(.)	.	(.)	.	(.)	.	(.)
RUS	2153373	6.06	2022801	41.87	(1.09)	31.65	(0.77)	12.97	(0.51)	1.55	(0.17)	11.96	(1.00)
YUG	68596	1.90	67293	53.58	(1.12)	21.95	(0.83)	6.53	(0.44)	2.31	(0.31)	15.63	(1.12)
THA	637076	5.83	599963	27.40	(0.84)	43.61	(0.74)	24.46	(0.76)	3.42	(0.29)	1.11	(0.20)
TUN	150875	33.84	99822	47.01	(1.11)	20.05	(0.72)	5.09	(0.48)	3.90	(0.40)	23.94	(1.33)
URY	33775	3.82	32486	27.88	(0.92)	23.71	(0.72)	24.91	(0.76)	10.64	(0.55)	12.86	(1.02)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I lose track of time when I am working with the computer.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.23)	532 (2.20)	535 (2.74)	511 (6.69)	425 (7.40)
AUT	85931	1.17	84927	480 (4.16)	504 (4.35)	515 (4.74)	504 (7.47)	388 (16.50)
BEL	111831	2.30	109260	512 (3.14)	519 (3.52)	540 (3.20)	494 (8.11)	383 (12.72)
CAN	330436	10.12	296990	531 (1.81)	535 (2.25)	538 (2.14)	507 (6.55)	495 (6.95)
CZE	121183	4.28	115994	486 (3.24)	502 (3.35)	520 (3.80)	511 (7.78)	423 (9.73)
DNK	51741	0.70	51378	478 (3.24)	502 (3.27)	504 (3.65)	498 (6.74)	424 (13.95)
FIN	57884	0.07	57845	531 (2.73)	546 (2.43)	552 (2.27)	545 (5.38)	506 (8.98)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	491 (3.89)	515 (3.93)	527 (4.15)	509 (8.67)	400 (10.79)
GRC	105131	2.07	102960	479 (4.33)	474 (4.35)	482 (6.54)	421 (11.64)	404 (13.68)
HUN	107044	0.17	106867	478 (3.14)	484 (3.45)	498 (3.50)	483 (7.68)	386 (12.10)
ISL	3928	0.69	3901	482 (2.70)	503 (2.94)	506 (3.31)	478 (8.71)	372 (18.57)
IRL	54850	1.31	54133	521 (3.23)	523 (3.13)	517 (3.89)	493 (8.27)	435 (8.03)
ITA	481521	2.28	470557	474 (3.59)	483 (3.71)	491 (3.41)	475 (7.57)	398 (8.72)
JPN	1240054	1.42	1222475	518 (4.50)	508 (4.57)	503 (4.81)	465 (9.17)	463 (6.57)
KOR	533504	0.12	532837	531 (3.10)	540 (3.76)	545 (4.05)	523 (14.01)	461 (11.24)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	427 (5.35)	419 (4.88)	422 (3.32)	419 (8.02)	329 (6.50)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	522 (3.35)	524 (3.43)	542 (4.12)	497 (9.43)	428 (25.14)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	505 (2.86)	499 (3.49)	481 (6.84)	480 (18.01)	441 (7.77)
PRT	96857	0.80	96079	482 (3.74)	473 (4.98)	494 (4.34)	455 (12.17)	420 (8.50)
SVK	77067	3.71	74208	472 (3.24)	482 (3.42)	500 (2.95)	468 (8.00)	406 (5.59)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	500 (3.10)	526 (3.13)	534 (3.49)	520 (7.51)	418 (12.51)
CHE	86491	0.48	86079	494 (3.45)	506 (4.18)	513 (4.58)	489 (6.52)	419 (11.16)
TUR	481279	13.78	414937	452 (6.71)	453 (7.69)	464 (10.61)	419 (11.84)	417 (6.29)
GBR	698579	91.67	58219	514 (2.78)	518 (3.41)	525 (5.54)	494 (10.81)	. (.)
USA	3147089	2.76	3060301	503 (3.47)	501 (3.43)	503 (4.67)	466 (8.53)	430 (9.03)
TOT	.	19.76	.	497 (1.44)	498 (1.60)	498 (1.79)	467 (3.54)	412 (3.79)
AVG	.	22.15	.	496 (0.80)	504 (0.93)	512 (0.94)	485 (2.12)	413 (2.53)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	488 (4.83)	489 (3.70)	506 (5.72)	508 (10.61)	452 (6.66)
LIE	338	0.30	337	507 (7.57)	534 (8.33)	557 (10.04)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	455 (4.81)	443 (4.76)	455 (6.05)	417 (13.34)	407 (6.04)
YUG	68596	1.90	67293	422 (3.67)	420 (4.76)	426 (7.09)	401 (11.77)	368 (5.43)
THA	637076	5.83	599963	435 (3.89)	416 (3.05)	422 (3.84)	419 (8.71)	367 (10.62)
TUN	150875	33.84	99822	405 (4.84)	379 (5.73)	351 (9.18)	327 (10.86)	345 (5.66)
URY	33775	3.82	32486	443 (5.35)	453 (5.11)	456 (4.69)	430 (6.17)	357 (7.74)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I lose track of time when I am working with the computer.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	525 (2.40)	531 (2.48)	531 (2.68)	507 (6.90)	441 (6.34)
AUT	85931	1.17	84927	497 (3.56)	516 (3.89)	524 (4.66)	511 (8.41)	419 (17.55)
BEL	111831	2.30	109260	534 (2.98)	540 (3.19)	561 (3.47)	512 (7.37)	418 (11.02)
CAN	330436	10.12	296990	535 (1.69)	538 (2.30)	544 (2.21)	517 (6.37)	503 (7.42)
CZE	121183	4.28	115994	518 (3.79)	527 (3.49)	542 (4.14)	529 (8.20)	441 (7.54)
DNK	51741	0.70	51378	509 (3.45)	524 (3.18)	518 (3.50)	511 (6.67)	460 (11.63)
FIN	57884	0.07	57845	533 (2.81)	545 (2.90)	553 (2.01)	548 (5.95)	513 (8.53)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	504 (3.78)	524 (3.77)	530 (4.30)	505 (7.63)	433 (9.61)
GRC	105131	2.07	102960	453 (4.12)	444 (4.67)	451 (5.67)	414 (8.98)	387 (9.10)
HUN	107044	0.17	106867	489 (3.40)	492 (4.06)	504 (3.74)	482 (7.60)	390 (9.61)
ISL	3928	0.69	3901	509 (2.61)	522 (2.60)	525 (3.11)	499 (8.49)	426 (15.35)
IRL	54850	1.31	54133	506 (3.14)	509 (3.12)	504 (3.65)	485 (7.28)	436 (7.15)
ITA	481521	2.28	470557	469 (4.15)	473 (3.66)	473 (3.41)	468 (5.97)	398 (6.85)
JPN	1240054	1.42	1222475	542 (4.80)	540 (4.81)	544 (5.13)	511 (8.28)	510 (6.15)
KOR	533504	0.12	532837	540 (3.38)	545 (4.15)	553 (4.07)	527 (13.28)	482 (9.63)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	411 (4.68)	401 (4.48)	402 (3.24)	402 (6.85)	325 (6.16)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	520 (3.34)	528 (2.91)	542 (3.49)	504 (8.31)	453 (16.91)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	500 (2.40)	491 (3.55)	470 (6.25)	459 (14.18)	443 (6.99)
PRT	96857	0.80	96079	471 (3.60)	461 (4.05)	479 (4.12)	448 (11.29)	402 (8.45)
SVK	77067	3.71	74208	505 (3.72)	510 (3.05)	525 (3.19)	488 (8.71)	436 (6.46)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	496 (3.17)	519 (3.52)	525 (3.15)	515 (7.63)	435 (10.97)
CHE	86491	0.48	86079	523 (3.11)	534 (4.43)	539 (5.27)	510 (5.98)	445 (9.86)
TUR	481279	13.78	414937	440 (7.85)	437 (9.05)	453 (11.19)	410 (13.18)	395 (6.60)
GBR	698579	91.67	58219	522 (2.46)	526 (3.11)	532 (5.13)	503 (12.06)	. (.)
USA	3147089	2.76	3060301	489 (3.21)	488 (3.32)	491 (4.00)	461 (7.37)	410 (8.30)
TOT	.	19.76	.	496 (1.42)	496 (1.43)	497 (1.71)	473 (3.06)	420 (3.86)
AVG	.	22.15	.	502 (0.82)	507 (0.86)	516 (0.92)	491 (1.95)	424 (2.54)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	485 (4.83)	481 (3.50)	498 (5.56)	491 (10.58)	441 (6.00)
LIE	338	0.30	337	516 (8.60)	554 (9.17)	547 (10.39)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	481 (4.77)	471 (5.22)	477 (5.87)	453 (13.95)	436 (5.49)
YUG	68596	1.90	67293	448 (4.01)	444 (4.82)	443 (7.30)	421 (8.85)	394 (5.16)
THA	637076	5.83	599963	432 (3.82)	413 (3.43)	422 (4.12)	423 (7.55)	355 (12.72)
TUN	150875	33.84	99822	388 (4.74)	367 (4.71)	348 (7.20)	331 (7.13)	336 (4.44)
URY	33775	3.82	32486	429 (4.82)	439 (5.11)	442 (4.23)	418 (4.57)	359 (5.73)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I lose track of time when I am working with the computer.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	528 (2.55)	530 (2.44)	531 (2.98)	506 (6.47)	440 (7.35)
AUT	85931	1.17	84927	483 (3.85)	502 (3.98)	509 (4.77)	501 (8.72)	409 (16.68)
BEL	111831	2.30	109260	512 (3.05)	518 (3.40)	540 (3.39)	496 (8.42)	399 (11.33)
CAN	330436	10.12	296990	519 (1.96)	527 (2.66)	533 (2.67)	503 (7.49)	487 (7.73)
CZE	121183	4.28	115994	524 (3.80)	533 (3.48)	549 (3.93)	539 (9.60)	449 (7.45)
DNK	51741	0.70	51378	472 (3.84)	483 (3.58)	480 (3.80)	473 (7.33)	398 (14.41)
FIN	57884	0.07	57845	541 (3.11)	548 (2.94)	557 (2.65)	547 (6.24)	503 (9.47)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	505 (4.02)	524 (4.08)	532 (4.77)	507 (8.89)	418 (11.03)
GRC	105131	2.07	102960	489 (3.76)	480 (4.58)	485 (6.58)	444 (11.27)	427 (10.81)
HUN	107044	0.17	106867	506 (3.50)	505 (4.10)	515 (3.89)	490 (8.09)	401 (10.55)
ISL	3928	0.69	3901	491 (2.59)	500 (2.96)	504 (3.29)	475 (9.66)	414 (16.85)
IRL	54850	1.31	54133	511 (3.50)	511 (3.25)	505 (3.94)	481 (8.51)	438 (6.98)
ITA	481521	2.28	470557	492 (4.61)	491 (4.05)	497 (4.03)	488 (7.52)	408 (8.08)
JPN	1240054	1.42	1222475	558 (5.19)	553 (5.01)	556 (5.17)	520 (8.81)	526 (6.54)
KOR	533504	0.12	532837	536 (3.74)	542 (4.43)	550 (4.40)	528 (16.55)	468 (11.06)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	430 (4.81)	418 (4.55)	418 (3.29)	416 (9.25)	355 (5.39)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	518 (3.47)	525 (3.10)	540 (3.77)	504 (9.61)	440 (21.29)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	508 (2.98)	498 (3.82)	473 (6.96)	477 (16.75)	450 (7.22)
PRT	96857	0.80	96079	474 (3.86)	462 (4.32)	480 (4.53)	452 (11.68)	405 (7.24)
SVK	77067	3.71	74208	502 (3.82)	508 (3.95)	525 (3.08)	496 (8.43)	429 (6.84)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	492 (3.30)	518 (3.96)	525 (4.18)	512 (7.36)	409 (12.24)
CHE	86491	0.48	86079	508 (3.71)	520 (4.60)	529 (5.42)	506 (7.68)	422 (9.90)
TUR	481279	13.78	414937	446 (7.07)	447 (7.81)	458 (11.04)	421 (12.13)	412 (5.77)
GBR	698579	91.67	58219	511 (2.97)	516 (4.00)	524 (5.57)	494 (14.10)	. (.)
USA	3147089	2.76	3060301	500 (3.62)	494 (3.98)	499 (4.21)	467 (8.03)	418 (9.87)
TOT	.	19.76	.	503 (1.50)	502 (1.61)	505 (1.66)	481 (3.21)	433 (3.76)
AVG	.	22.15	.	502 (0.80)	507 (0.86)	515 (0.95)	491 (2.02)	429 (2.40)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	493 (4.77)	486 (3.80)	503 (6.08)	502 (12.84)	439 (6.68)
LIE	338	0.30	337	507 (9.17)	537 (10.77)	545 (12.13)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	503 (5.07)	488 (5.22)	498 (5.82)	475 (14.38)	461 (6.17)
YUG	68596	1.90	67293	445 (3.69)	444 (4.57)	446 (7.49)	436 (12.54)	400 (5.06)
THA	637076	5.83	599963	444 (3.81)	425 (3.06)	432 (3.84)	435 (8.64)	390 (12.22)
TUN	150875	33.84	99822	412 (4.55)	392 (5.45)	371 (9.18)	354 (8.32)	357 (5.32)
URY	33775	3.82	32486	451 (5.07)	454 (4.62)	454 (3.90)	431 (6.07)	377 (6.12)

ICT Questionnaire – Question 7

Q7 Thinking about your experience with computers: To what extent do you agree with the following statements?
I lose track of time when I am working with the computer.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Strongly Agree Mean (SE)	Agree Mean (SE)	Disagree Mean (SE)	Strongly Disagree Mean (SE)	Missing mean (SE)
AUS	235591	0.47	234483	531 (2.39)	536 (2.10)	536 (2.51)	511 (6.76)	447 (6.22)
AUT	85931	1.17	84927	500 (3.51)	515 (3.97)	522 (4.40)	510 (8.06)	421 (15.96)
BEL	111831	2.30	109260	530 (2.82)	534 (3.13)	553 (3.18)	505 (7.00)	422 (10.56)
CAN	330436	10.12	296990	533 (1.72)	537 (2.25)	541 (2.31)	510 (5.86)	492 (7.74)
CZE	121183	4.28	115994	520 (3.49)	527 (3.51)	541 (3.98)	524 (8.35)	441 (7.70)
DNK	51741	0.70	51378	513 (3.29)	525 (3.20)	521 (3.10)	510 (6.66)	460 (12.60)
FIN	57884	0.07	57845	540 (2.96)	548 (2.71)	555 (2.23)	546 (6.09)	508 (8.39)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	512 (3.70)	531 (3.83)	540 (3.98)	515 (7.79)	432 (9.67)
GRC	105131	2.07	102960	456 (4.41)	448 (4.62)	457 (6.15)	413 (10.03)	387 (9.21)
HUN	107044	0.17	106867	500 (3.28)	503 (3.89)	516 (3.77)	491 (8.62)	398 (9.41)
ISL	3928	0.69	3901	502 (2.57)	512 (2.39)	511 (2.93)	488 (7.52)	417 (15.43)
IRL	54850	1.31	54133	504 (2.98)	505 (2.93)	498 (3.71)	478 (7.62)	428 (6.97)
ITA	481521	2.28	470557	474 (4.05)	478 (3.82)	479 (3.38)	467 (6.65)	393 (8.56)
JPN	1240054	1.42	1222475	563 (4.86)	554 (4.66)	554 (5.27)	513 (8.16)	519 (6.30)
KOR	533504	0.12	532837	549 (3.17)	554 (3.98)	559 (3.73)	532 (13.80)	500 (8.58)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	413 (5.98)	401 (5.77)	402 (3.87)	404 (8.12)	320 (6.35)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.41	46493	533 (3.14)	537 (2.90)	549 (4.02)	509 (8.28)	461 (19.61)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	496 (2.70)	487 (3.47)	466 (7.32)	463 (16.30)	443 (7.49)
PRT	96857	0.80	96079	475 (4.06)	466 (4.71)	483 (4.22)	450 (11.37)	399 (8.84)
SVK	77067	3.71	74208	498 (3.74)	504 (3.30)	521 (3.12)	484 (10.28)	426 (5.91)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	499 (2.93)	516 (3.18)	523 (3.08)	511 (7.09)	445 (11.53)
CHE	86491	0.48	86079	516 (3.17)	530 (3.71)	535 (4.51)	511 (6.78)	434 (9.82)
TUR	481279	13.78	414937	424 (7.18)	419 (7.99)	428 (10.33)	384 (11.20)	381 (6.37)
GBR	698579	91.67	58219	523 (2.68)	528 (3.29)	534 (5.08)	512 (11.45)	. (.)
USA	3147089	2.76	3060301	483 (3.65)	483 (3.50)	486 (4.42)	454 (7.56)	403 (8.67)
TOT	.	19.76	.	497 (1.54)	496 (1.52)	499 (1.79)	473 (3.12)	418 (4.01)
AVG	.	22.15	.	503 (0.81)	508 (0.87)	516 (0.94)	490 (2.18)	421 (2.64)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	489 (5.23)	478 (4.04)	494 (6.11)	490 (12.92)	438 (6.11)
LIE	338	0.30	337	512 (8.02)	543 (8.97)	547 (10.49)	. (.)	. (.)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	495 (5.26)	481 (5.63)	487 (6.28)	451 (14.79)	439 (5.61)
YUG	68596	1.90	67293	432 (3.57)	427 (4.67)	428 (7.46)	403 (8.66)	374 (5.26)
THA	637076	5.83	599963	442 (3.63)	422 (3.39)	427 (4.13)	423 (8.07)	362 (13.05)
TUN	150875	33.84	99822	371 (3.86)	354 (4.33)	335 (6.81)	317 (8.96)	320 (3.80)
URY	33775	3.82	32486	422 (5.87)	429 (5.53)	433 (4.69)	405 (5.94)	333 (6.17)

ICT Questionnaire – Question 8

Q8 Who taught you most about how to use COMPUTERS?

My school.
My friends.
My family.
I taught myself.
Others.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	My school % (SE)	My friends % (SE)	My family % (SE)	Taught myself % (SE)	Others % (SE)	Missing % (SE)
AUS	235591	0.50	234417	20.26 (0.58)	9.62 (0.39)	19.53 (0.58)	31.99 (0.68)	1.30 (0.09)	17.30 (0.53)
AUT	85931	1.17	84927	30.10 (0.84)	10.93 (0.59)	10.65 (0.53)	22.18 (0.68)	1.95 (0.26)	24.18 (0.68)
BEL	111831	2.30	109260	10.49 (0.54)	14.04 (0.52)	20.73 (0.61)	31.66 (0.67)	1.62 (0.14)	21.46 (0.68)
CAN	330436	10.12	296990	13.91 (0.40)	12.66 (0.35)	16.77 (0.48)	34.84 (0.53)	1.38 (0.10)	20.44 (0.41)
CZE	121183	4.28	115994	26.31 (1.03)	13.35 (0.53)	14.14 (0.55)	26.25 (0.86)	2.99 (0.28)	16.95 (0.67)
DNK	51741	0.70	51378	12.83 (0.57)	18.46 (0.63)	18.28 (0.75)	28.57 (0.77)	1.61 (0.24)	20.26 (0.89)
FIN	57884	0.07	57845	18.65 (0.74)	19.12 (0.59)	19.42 (0.57)	28.65 (0.69)	1.16 (0.17)	13.01 (0.48)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	9.98 (0.57)	12.49 (0.61)	21.05 (0.69)	29.37 (0.83)	3.03 (0.25)	24.08 (0.66)
GRC	105131	2.07	102960	32.39 (1.04)	9.64 (0.60)	6.90 (0.46)	19.13 (0.78)	7.63 (0.47)	24.31 (0.94)
HUN	107044	0.17	106867	43.35 (0.99)	15.62 (0.62)	12.29 (0.61)	12.74 (0.57)	3.69 (0.27)	12.30 (0.54)
ISL	3928	0.69	3901	18.51 (0.56)	13.99 (0.64)	14.03 (0.53)	35.71 (0.94)	0.95 (0.14)	16.81 (0.68)
IRL	54850	1.31	54133	21.45 (1.01)	8.93 (0.51)	19.94 (0.81)	30.40 (0.76)	2.07 (0.26)	17.21 (0.79)
ITA	481521	2.17	471096	19.11 (0.91)	11.56 (0.45)	15.94 (0.53)	25.02 (0.75)	2.87 (0.27)	25.50 (0.65)
JPN	1240054	1.42	1222475	32.97 (1.25)	7.32 (0.45)	22.21 (0.81)	13.29 (0.63)	2.40 (0.23)	21.82 (0.74)
KOR	533504	0.12	532837	6.25 (0.46)	32.43 (0.91)	9.75 (0.58)	35.67 (0.66)	11.01 (0.51)	4.89 (0.31)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	34.22 (1.60)	13.72 (0.51)	13.76 (0.55)	11.18 (0.49)	8.89 (0.56)	18.23 (1.31)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.27	46563	17.75 (0.71)	9.79 (0.52)	18.15 (0.75)	33.52 (0.75)	1.28 (0.16)	19.52 (0.72)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	47.03 (1.21)	10.99 (0.57)	9.56 (0.47)	27.35 (0.85)	1.55 (0.23)	3.52 (0.37)
PRT	96857	0.80	96079	10.48 (0.72)	17.47 (0.67)	13.57 (0.61)	20.14 (0.75)	8.51 (0.53)	29.83 (0.92)
SVK	77067	3.71	74208	19.06 (0.96)	21.69 (0.72)	18.97 (0.67)	18.55 (0.59)	2.46 (0.23)	19.27 (1.05)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	3.52 (0.26)	19.99 (0.62)	19.65 (0.67)	35.09 (0.88)	1.73 (0.21)	20.02 (0.75)
CHE	86491	0.48	86079	13.26 (0.75)	10.78 (0.42)	22.42 (0.71)	22.57 (0.86)	2.65 (0.22)	28.32 (0.84)
TUR	481279	13.78	414937	24.48 (1.59)	16.42 (0.87)	7.82 (0.61)	24.71 (1.33)	5.58 (0.43)	20.98 (1.37)
GBR	698579	91.67	58219	32.22 (1.09)	7.19 (0.54)	19.95 (0.93)	27.75 (0.91)	1.03 (.)	11.86 (0.90)
USA	3147089	2.76	3060301	20.72 (0.74)	9.63 (0.43)	18.55 (0.60)	37.84 (0.87)	1.18 (0.19)	12.07 (0.49)
TOT	.	19.76	.	23.20 (0.36)	12.34 (0.19)	16.90 (0.25)	27.78 (0.31)	3.32 (0.10)	16.47 (0.26)
AVG	.	22.14	.	21.13 (0.20)	14.19 (0.10)	16.05 (0.13)	26.57 (0.16)	3.28 (0.06)	18.79 (0.17)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.85	33356	34.09 (1.47)	15.50 (0.73)	11.40 (0.52)	16.67 (0.84)	5.57 (0.43)	16.77 (0.85)
LIE	338	0.30	337	21.17 (2.26)	9.94 (1.60)	14.40 (1.96)	23.29 (2.10)	1.50 (.)	29.70 (2.27)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	31.83 (1.60)	15.79 (0.77)	11.52 (0.70)	11.23 (0.66)	11.05 (0.80)	18.58 (0.99)
YUG	68596	1.88	67309	38.72 (1.20)	14.81 (0.64)	6.74 (0.51)	11.64 (0.71)	3.68 (0.33)	24.41 (1.07)
THA	637076	5.83	599963	54.96 (1.41)	12.17 (0.68)	6.01 (0.52)	12.49 (0.67)	2.73 (0.44)	11.62 (0.77)
TUN	150875	33.84	99822	9.20 (0.95)	10.41 (0.64)	8.52 (0.59)	6.42 (0.58)	7.46 (0.52)	57.99 (1.20)
URY	33775	3.85	32475	32.72 (1.27)	11.26 (0.66)	10.77 (0.61)	13.29 (0.59)	11.71 (0.70)	20.25 (1.04)

ICT Questionnaire – Question 8

Q8 Who taught you most about how to use COMPUTERS?
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.50	234417	536 (3.02)	510 (4.42)	543 (3.01)	543 (2.60)	500 (9.16)	475 (4.08)
AUT	85931	1.17	84927	507 (3.47)	488 (5.94)	510 (5.34)	518 (4.68)	447 (13.71)	454 (4.94)
BEL	111831	2.30	109260	493 (6.42)	505 (4.43)	525 (3.79)	541 (2.75)	482 (12.89)	468 (5.40)
CAN	330436	10.12	296990	542 (3.09)	528 (2.86)	545 (2.83)	541 (1.67)	507 (7.80)	503 (2.59)
CZE	121183	4.28	115994	510 (4.28)	479 (3.55)	507 (3.89)	513 (3.57)	487 (7.99)	453 (4.52)
DNK	51741	0.70	51378	507 (4.74)	490 (4.40)	510 (3.99)	504 (3.37)	450 (13.89)	459 (4.36)
FIN	57884	0.07	57845	547 (2.74)	533 (2.95)	566 (3.25)	549 (2.42)	519 (10.20)	510 (3.56)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	473 (7.53)	496 (6.12)	524 (4.27)	532 (3.73)	463 (9.33)	463 (4.53)
GRC	105131	2.07	102960	450 (4.36)	473 (7.26)	495 (8.15)	497 (5.71)	501 (7.02)	469 (5.55)
HUN	107044	0.17	106867	483 (3.09)	471 (4.51)	503 (4.79)	513 (4.60)	479 (6.68)	441 (5.76)
ISL	3928	0.69	3901	502 (4.89)	483 (3.81)	514 (4.32)	496 (2.98)	470 (17.21)	466 (4.45)
IRL	54850	1.31	54133	502 (4.61)	512 (5.26)	529 (3.91)	541 (2.75)	495 (13.60)	475 (4.05)
ITA	481521	2.17	471096	466 (4.85)	483 (4.67)	501 (4.34)	499 (3.56)	474 (11.13)	449 (4.39)
JPN	1240054	1.42	1222475	488 (5.59)	487 (7.22)	525 (4.67)	537 (5.53)	479 (11.65)	472 (4.88)
KOR	533504	0.12	532837	524 (6.64)	526 (3.65)	549 (5.61)	542 (3.35)	543 (4.03)	492 (7.51)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	411 (5.34)	403 (5.89)	426 (5.13)	444 (5.61)	421 (5.58)	363 (7.79)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.27	46563	533 (4.32)	513 (5.30)	546 (4.57)	547 (3.07)	466 (16.12)	473 (4.51)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	475 (3.46)	494 (5.64)	533 (5.55)	532 (3.26)	496 (14.00)	455 (8.16)
PRT	96857	0.80	96079	441 (7.29)	477 (4.96)	500 (4.97)	506 (4.51)	474 (6.33)	464 (4.55)
SVK	77067	3.71	74208	487 (4.40)	455 (3.91)	492 (3.93)	502 (3.44)	453 (8.91)	433 (5.48)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	504 (9.57)	511 (3.75)	548 (3.55)	524 (2.81)	485 (11.70)	476 (4.01)
CHE	86491	0.48	86079	494 (5.26)	492 (4.39)	515 (3.86)	528 (4.74)	481 (9.09)	471 (3.90)
TUR	481279	13.78	414937	422 (7.31)	438 (7.18)	482 (9.41)	472 (8.57)	428 (9.40)	435 (6.64)
GBR	698579	91.67	58219	511 (3.54)	499 (6.04)	534 (3.82)	533 (4.02)	. (.)	474 (6.52)
USA	3147089	2.76	3060301	492 (5.21)	498 (5.45)	511 (3.95)	513 (3.45)	463 (15.29)	446 (4.29)
TOT	.	19.76	.	476 (2.44)	487 (2.00)	512 (1.63)	517 (1.82)	470 (3.24)	450 (2.13)
AVG	.	22.14	.	486 (1.32)	491 (1.06)	520 (0.97)	522 (0.98)	480 (2.07)	461 (1.19)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.85	33356	486 (4.51)	487 (5.33)	509 (5.63)	519 (5.58)	486 (9.99)	468 (5.61)
LIE	338	0.30	337	512 (9.89)	557 (15.26)	554 (12.77)	552 (10.26)	. (.)	489 (8.40)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	439 (5.53)	440 (6.03)	474 (5.08)	484 (6.67)	434 (7.67)	424 (5.11)
YUG	68596	1.88	67309	406 (3.63)	424 (4.76)	429 (7.13)	458 (5.94)	409 (7.30)	392 (4.77)
THA	637076	5.83	599963	417 (2.96)	428 (5.53)	457 (7.69)	458 (5.47)	395 (12.88)	393 (4.64)
TUN	150875	33.84	99822	349 (7.82)	396 (6.77)	416 (7.81)	412 (10.67)	407 (6.78)	370 (4.41)
URY	33775	3.85	32475	427 (4.96)	434 (6.46)	463 (7.69)	480 (6.93)	445 (6.10)	405 (5.51)

ICT Questionnaire – Question 8

Q8 Who taught you most about how to use COMPUTERS?
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.50	234417	526 (2.85)	517 (4.02)	535 (2.86)	546 (2.90)	507 (8.41)	478 (4.18)
AUT	85931	1.17	84927	508 (3.12)	509 (4.65)	520 (5.25)	539 (4.73)	466 (13.16)	475 (4.37)
BEL	111831	2.30	109260	505 (6.08)	531 (3.68)	542 (3.76)	570 (2.59)	497 (12.10)	490 (4.56)
CAN	330436	10.12	296990	537 (2.97)	531 (3.11)	549 (3.00)	550 (1.97)	514 (7.27)	507 (2.22)
CZE	121183	4.28	115994	528 (4.86)	508 (2.99)	530 (4.48)	551 (3.73)	509 (7.99)	478 (4.65)
DNK	51741	0.70	51378	512 (4.35)	514 (4.34)	524 (3.83)	532 (3.93)	480 (15.92)	486 (4.04)
FIN	57884	0.07	57845	536 (3.01)	539 (3.04)	561 (3.25)	558 (2.63)	534 (10.98)	509 (3.57)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	473 (7.14)	509 (5.49)	521 (4.37)	546 (3.84)	494 (7.58)	479 (4.02)
GRC	105131	2.07	102960	416 (3.94)	452 (6.01)	472 (6.70)	484 (5.55)	458 (5.11)	444 (4.08)
HUN	107044	0.17	106867	481 (3.21)	491 (4.24)	510 (5.49)	536 (4.64)	489 (6.50)	454 (5.38)
ISL	3928	0.69	3901	515 (4.05)	508 (3.34)	531 (3.90)	526 (2.69)	507 (16.26)	487 (4.36)
IRL	54850	1.31	54133	487 (4.11)	495 (4.78)	515 (3.91)	531 (2.54)	488 (13.74)	465 (3.98)
ITA	481521	2.17	471096	443 (3.99)	475 (5.19)	487 (4.39)	496 (3.72)	454 (8.75)	443 (3.90)
JPN	1240054	1.42	1222475	523 (5.19)	522 (7.75)	560 (4.36)	573 (6.55)	513 (11.14)	510 (4.83)
KOR	533504	0.12	532837	516 (7.03)	533 (3.99)	552 (5.17)	558 (3.76)	545 (4.72)	496 (6.42)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	393 (5.07)	386 (4.57)	410 (4.57)	429 (5.08)	398 (5.10)	355 (6.86)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.27	46563	523 (3.87)	527 (4.97)	535 (4.47)	554 (2.74)	503 (14.08)	478 (3.89)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	465 (3.03)	494 (4.58)	519 (5.44)	532 (2.86)	489 (12.21)	459 (7.04)
PRT	96857	0.80	96079	427 (7.01)	462 (4.45)	481 (4.59)	503 (4.02)	457 (5.86)	454 (3.79)
SVK	77067	3.71	74208	508 (4.63)	489 (2.95)	516 (3.88)	537 (3.97)	483 (10.25)	465 (6.06)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	490 (8.25)	500 (3.44)	533 (4.15)	525 (3.05)	488 (9.93)	475 (3.99)
CHE	86491	0.48	86079	517 (5.04)	529 (4.62)	537 (3.94)	562 (5.16)	508 (9.07)	496 (3.84)
TUR	481279	13.78	414937	396 (7.93)	433 (7.75)	456 (10.89)	472 (10.16)	406 (9.66)	415 (7.22)
GBR	698579	91.67	58219	516 (3.25)	514 (5.35)	535 (4.04)	541 (4.14)	. (.)	492 (6.20)
USA	3147089	2.76	3060301	474 (4.81)	485 (5.31)	499 (3.90)	503 (3.36)	461 (15.15)	432 (4.08)
TOT	.	19.76	.	470 (2.28)	488 (1.90)	511 (1.66)	519 (1.73)	467 (3.57)	454 (2.14)
AVG	.	22.14	.	482 (1.30)	499 (0.98)	522 (0.96)	533 (0.91)	478 (2.24)	468 (1.07)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.85	33356	470 (4.40)	486 (5.05)	502 (4.85)	522 (5.67)	469 (7.66)	464 (4.95)
LIE	338	0.30	337	505 (9.20)	569 (16.02)	570 (15.80)	575 (10.95)	. (.)	501 (9.48)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	465 (5.92)	462 (6.43)	496 (6.09)	517 (6.80)	467 (6.91)	451 (4.81)
YUG	68596	1.88	67309	424 (3.70)	455 (5.14)	457 (6.53)	487 (5.86)	438 (7.22)	421 (4.81)
THA	637076	5.83	599963	409 (3.36)	423 (4.60)	457 (7.32)	470 (5.59)	412 (9.69)	394 (4.53)
TUN	150875	33.84	99822	333 (6.18)	378 (5.38)	376 (6.77)	404 (11.05)	384 (6.01)	363 (3.92)
URY	33775	3.85	32475	410 (4.99)	415 (5.63)	438 (5.97)	485 (5.37)	431 (6.33)	402 (3.85)

ICT Questionnaire – Question 8

Q8 Who taught you most about how to use COMPUTERS?
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.50	234417	528 (3.36)	520 (4.05)	537 (3.12)	545 (2.81)	513 (8.61)	478 (3.92)
AUT	85931	1.17	84927	496 (3.19)	489 (5.82)	510 (5.39)	526 (4.88)	435 (14.13)	456 (4.33)
BEL	111831	2.30	109260	488 (5.73)	508 (3.86)	524 (3.59)	547 (3.01)	480 (12.22)	467 (4.87)
CAN	330436	10.12	296990	527 (3.45)	519 (3.29)	537 (3.29)	538 (1.94)	487 (9.03)	488 (3.19)
CZE	121183	4.28	115994	537 (4.79)	512 (3.41)	533 (4.60)	557 (3.73)	518 (9.55)	482 (4.71)
DNK	51741	0.70	51378	472 (5.91)	477 (4.72)	484 (4.51)	500 (3.99)	431 (17.64)	440 (5.25)
FIN	57884	0.07	57845	545 (3.02)	542 (3.28)	566 (3.44)	560 (3.10)	541 (10.52)	511 (4.08)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	468 (7.67)	507 (6.31)	526 (4.62)	549 (3.85)	501 (10.11)	474 (4.54)
GRC	105131	2.07	102960	456 (4.57)	485 (6.78)	499 (6.96)	521 (6.06)	490 (5.92)	478 (4.55)
HUN	107044	0.17	106867	498 (3.21)	495 (4.47)	525 (6.05)	554 (4.30)	502 (8.71)	462 (5.58)
ISL	3928	0.69	3901	493 (4.11)	486 (4.77)	508 (4.19)	509 (2.81)	474 (15.59)	466 (4.45)
IRL	54850	1.31	54133	487 (4.76)	488 (5.21)	517 (4.49)	537 (3.04)	472 (14.54)	471 (4.63)
ITA	481521	2.17	471096	464 (4.64)	500 (5.51)	504 (4.66)	523 (3.73)	472 (10.11)	460 (4.66)
JPN	1240054	1.42	1222475	536 (5.75)	537 (8.35)	569 (4.64)	592 (6.63)	522 (12.63)	526 (5.20)
KOR	533504	0.12	532837	514 (7.33)	528 (4.53)	547 (6.67)	554 (4.03)	551 (5.08)	482 (7.13)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	410 (4.73)	408 (4.49)	426 (4.94)	446 (6.83)	414 (7.38)	382 (5.68)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.27	46563	519 (4.13)	523 (5.45)	533 (4.48)	553 (3.25)	495 (17.34)	476 (3.98)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	468 (3.23)	502 (5.82)	539 (6.11)	542 (3.60)	505 (14.92)	458 (7.91)
PRT	96857	0.80	96079	430 (7.24)	459 (4.76)	484 (4.98)	510 (4.42)	465 (5.90)	453 (4.03)
SVK	77067	3.71	74208	507 (4.93)	489 (3.96)	514 (4.20)	534 (4.29)	483 (10.49)	458 (6.80)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	488 (9.47)	501 (4.05)	533 (4.25)	522 (3.53)	489 (11.50)	465 (4.25)
CHE	86491	0.48	86079	504 (6.11)	504 (5.44)	532 (4.39)	549 (5.79)	503 (9.33)	479 (4.19)
TUR	481279	13.78	414937	412 (7.20)	434 (7.54)	470 (10.62)	471 (9.09)	436 (8.19)	428 (6.38)
GBR	698579	91.67	58219	501 (3.98)	508 (6.98)	533 (4.80)	535 (4.45)	. (.)	475 (8.02)
USA	3147089	2.76	3060301	483 (4.96)	492 (5.58)	503 (4.21)	513 (4.02)	492 (14.81)	440 (4.21)
TOT	.	19.76	.	479 (2.31)	492 (1.94)	516 (1.75)	526 (2.11)	481 (3.65)	461 (2.07)
AVG	.	22.14	.	487 (1.18)	497 (1.02)	521 (1.02)	533 (0.97)	485 (2.08)	466 (1.11)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.85	33356	480 (4.58)	492 (5.62)	503 (5.02)	524 (6.07)	483 (9.86)	465 (5.66)
LIE	338	0.30	337	491 (12.14)	558 (19.87)	568 (16.57)	561 (11.38)	. (.)	491 (8.98)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	481 (5.38)	487 (6.80)	512 (5.64)	541 (7.43)	485 (7.37)	476 (5.30)
YUG	68596	1.88	67309	424 (3.29)	457 (4.45)	461 (7.68)	485 (6.07)	446 (7.22)	417 (4.35)
THA	637076	5.83	599963	422 (3.04)	440 (4.81)	470 (7.94)	473 (5.55)	426 (9.70)	404 (3.95)
TUN	150875	33.84	99822	361 (7.10)	402 (5.81)	404 (6.19)	427 (9.90)	416 (7.26)	384 (4.26)
URY	33775	3.85	32475	427 (4.44)	441 (6.14)	457 (6.42)	486 (5.14)	458 (6.57)	414 (4.15)

ICT Questionnaire – Question 8

Q8 Who taught you most about how to use COMPUTERS?
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.50	234417	534 (2.78)	520 (3.86)	544 (2.82)	549 (2.54)	502 (8.35)	484 (3.90)
AUT	85931	1.17	84927	508 (3.09)	509 (4.92)	530 (4.91)	537 (4.72)	488 (13.02)	471 (4.18)
BEL	111831	2.30	109260	504 (5.39)	525 (3.36)	542 (3.44)	562 (2.74)	484 (11.77)	484 (4.43)
CAN	330436	10.12	296990	537 (2.63)	528 (2.73)	552 (2.90)	546 (1.93)	504 (7.27)	504 (2.41)
CZE	121183	4.28	115994	527 (4.70)	507 (3.60)	534 (4.31)	550 (3.38)	517 (8.66)	476 (4.63)
DNK	51741	0.70	51378	513 (4.22)	515 (3.90)	530 (4.32)	535 (3.43)	495 (14.04)	488 (3.95)
FIN	57884	0.07	57845	545 (3.10)	537 (3.04)	565 (3.13)	563 (2.58)	527 (10.53)	511 (3.62)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	488 (7.00)	514 (5.42)	535 (4.00)	550 (4.16)	492 (7.27)	487 (4.29)
GRC	105131	2.07	102960	421 (4.02)	455 (6.40)	479 (6.84)	485 (6.12)	464 (6.81)	445 (4.38)
HUN	107044	0.17	106867	496 (3.32)	500 (4.34)	529 (5.55)	539 (4.67)	497 (6.55)	457 (5.61)
ISL	3928	0.69	3901	507 (4.35)	495 (3.23)	530 (3.59)	514 (2.50)	497 (13.83)	472 (4.28)
IRL	54850	1.31	54133	486 (3.82)	494 (4.59)	508 (3.78)	526 (2.32)	475 (12.43)	458 (3.69)
ITA	481521	2.17	471096	449 (4.79)	475 (5.36)	494 (4.39)	502 (3.63)	468 (10.22)	444 (4.54)
JPN	1240054	1.42	1222475	536 (5.30)	533 (7.94)	579 (4.68)	585 (6.47)	528 (11.89)	519 (5.08)
KOR	533504	0.12	532837	531 (6.83)	540 (3.74)	560 (4.73)	565 (3.53)	552 (4.21)	513 (5.71)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	392 (5.90)	383 (5.27)	418 (5.48)	429 (6.29)	400 (6.41)	352 (7.02)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.27	46563	536 (4.00)	526 (5.11)	549 (4.21)	562 (2.75)	492 (15.42)	489 (3.56)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	461 (3.18)	485 (5.82)	517 (5.47)	529 (3.21)	489 (13.13)	458 (6.77)
PRT	96857	0.80	96079	430 (7.92)	468 (5.03)	484 (4.86)	501 (4.50)	461 (6.29)	462 (4.74)
SVK	77067	3.71	74208	503 (4.56)	481 (3.16)	510 (4.08)	532 (4.11)	486 (9.53)	456 (5.87)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	497 (9.53)	499 (3.48)	534 (3.44)	521 (2.96)	498 (11.26)	478 (4.06)
CHE	86491	0.48	86079	514 (4.64)	517 (4.57)	536 (3.60)	548 (4.55)	501 (8.55)	495 (3.51)
TUR	481279	13.78	414937	383 (7.41)	414 (7.05)	443 (9.51)	446 (9.06)	385 (9.78)	404 (6.75)
GBR	698579	91.67	58219	516 (3.35)	516 (6.17)	536 (4.01)	549 (3.87)	. (.)	488 (6.28)
USA	3147089	2.76	3060301	471 (5.23)	477 (5.56)	497 (3.94)	496 (3.31)	441 (15.48)	425 (4.35)
TOT	.	19.76	.	472 (2.47)	486 (2.11)	516 (1.78)	516 (1.77)	467 (3.93)	454 (2.16)
AVG	.	22.14	.	485 (1.34)	498 (1.02)	526 (0.91)	531 (0.88)	480 (2.27)	469 (1.18)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.85	33356	471 (4.92)	483 (5.09)	504 (5.34)	521 (5.90)	479 (9.42)	457 (5.80)
LIE	338	0.30	337	505 (9.68)	561 (14.69)	565 (14.39)	562 (9.75)	. (.)	496 (9.03)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	472 (5.66)	470 (7.37)	516 (6.00)	532 (6.63)	480 (8.03)	461 (5.01)
YUG	68596	1.88	67309	408 (3.26)	438 (4.70)	448 (6.18)	476 (5.84)	427 (8.06)	397 (4.46)
THA	637076	5.83	599963	418 (3.07)	431 (4.98)	464 (6.94)	479 (5.36)	423 (12.67)	400 (4.18)
TUN	150875	33.84	99822	325 (6.36)	360 (5.29)	367 (5.37)	385 (9.05)	375 (6.18)	345 (3.17)
URY	33775	3.85	32475	399 (5.66)	411 (7.14)	433 (7.15)	477 (6.93)	414 (8.25)	384 (4.50)

ICT Questionnaire – Question 9

Q9 Who taught you most about how to use the INTERNET?
I don't know how to use the Internet.
My school.
My friends.
My family.
I taught myself.
Others.

Percentage of students, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Don't know how to use % (SE)	My school % (SE)	My friends % (SE)	My family % (SE)	Taught myself % (SE)	Others % (SE)	Missing % (SE)
AUS	235591	0.49	234439	0.54 (0.07)	11.42 (0.41)	13.65 (0.43)	17.65 (0.50)	41.04 (0.74)	1.12 (0.11)	14.59 (0.54)
AUT	85931	1.17	84927	0.63 (.)	14.29 (0.68)	15.95 (0.64)	9.62 (0.60)	38.58 (1.23)	2.13 (0.21)	18.80 (0.60)
BEL	111831	2.31	109247	1.77 (0.20)	5.47 (0.39)	18.05 (0.50)	16.40 (0.55)	38.56 (0.68)	1.57 (0.14)	18.18 (0.70)
CAN	330436	10.12	296990	0.11 (0.02)	7.27 (0.29)	14.82 (0.36)	13.07 (0.44)	48.78 (0.53)	1.12 (0.12)	14.83 (0.36)
CZE	121183	4.28	115994	1.98 (0.29)	26.67 (0.83)	12.38 (0.58)	10.10 (0.44)	31.88 (0.87)	2.71 (0.24)	14.28 (0.60)
DNK	51741	0.70	51378	0.17 (.)	10.27 (0.62)	18.44 (0.65)	11.60 (0.62)	41.30 (0.75)	1.16 (0.19)	17.05 (0.83)
FIN	57884	0.07	57845	0.14 (.)	10.04 (0.50)	19.28 (0.61)	13.57 (0.53)	44.56 (0.74)	1.01 (0.15)	11.41 (0.46)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	1.75 (0.18)	7.36 (0.56)	13.58 (0.62)	18.43 (0.57)	35.00 (0.88)	3.83 (0.22)	20.05 (0.70)
GRC	105131	2.07	102960	6.39 (0.55)	24.51 (1.15)	14.02 (0.76)	6.26 (0.42)	16.34 (0.77)	7.12 (0.50)	25.36 (0.87)
HUN	107044	0.17	106867	3.65 (0.42)	32.21 (1.02)	22.36 (0.62)	8.98 (0.50)	19.23 (0.69)	3.88 (0.30)	9.69 (0.43)
ISL	3928	0.69	3901	0.30 (.)	7.97 (0.40)	13.58 (0.63)	15.29 (0.61)	47.64 (0.98)	0.91 (0.14)	14.31 (0.63)
IRL	54850	1.31	54133	5.95 (0.50)	11.16 (0.70)	13.14 (0.55)	22.05 (0.93)	32.77 (0.93)	2.57 (0.25)	12.36 (0.64)
ITA	481521	2.17	471096	7.53 (0.52)	7.76 (0.60)	18.79 (0.54)	16.05 (0.52)	27.45 (0.84)	3.24 (0.26)	19.18 (0.60)
JPN	1240054	1.42	1222475	4.51 (0.42)	24.24 (1.08)	9.63 (0.55)	22.82 (0.89)	16.35 (0.71)	3.00 (0.25)	19.46 (0.73)
KOR	533504	0.12	532837	0.06 (.)	2.53 (0.20)	29.07 (0.69)	7.02 (0.37)	52.09 (0.74)	4.86 (0.30)	4.37 (0.30)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	15.38 (1.18)	9.26 (0.70)	21.40 (0.58)	13.18 (0.59)	16.47 (0.93)	6.95 (0.42)	17.35 (1.32)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.30	46544	0.45 (.)	7.88 (0.52)	12.65 (0.61)	15.55 (0.52)	46.09 (0.80)	1.18 (0.17)	16.20 (0.61)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	3.71 (0.42)	46.59 (1.32)	12.09 (0.63)	7.29 (0.50)	21.63 (0.75)	4.84 (0.41)	3.83 (0.38)
PRT	96857	0.80	96079	3.74 (0.32)	8.61 (0.62)	23.05 (0.74)	10.83 (0.57)	23.25 (0.94)	6.18 (0.39)	24.34 (0.80)
SVK	77067	3.71	74208	10.61 (0.71)	16.40 (1.09)	21.88 (0.68)	11.45 (0.43)	19.63 (0.88)	2.88 (0.24)	17.14 (0.99)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	0.30 (.)	2.95 (0.29)	16.17 (0.61)	15.23 (0.53)	48.00 (0.88)	1.40 (0.21)	15.95 (0.67)
CHE	86491	0.48	86079	1.53 (0.32)	7.99 (0.43)	13.45 (0.40)	21.50 (0.65)	30.72 (0.85)	2.72 (0.23)	22.09 (0.67)
TUR	481279	13.78	414937	9.99 (0.83)	7.68 (0.98)	21.51 (1.00)	6.04 (0.54)	22.94 (1.11)	8.18 (0.47)	23.65 (1.61)
GBR	698579	91.67	58219	0.87 (.)	19.01 (0.94)	14.06 (0.71)	18.85 (0.84)	35.85 (0.98)	0.71 (.)	10.65 (0.76)
USA	3147089	2.76	3060301	0.44 (.)	10.38 (0.52)	12.80 (0.51)	14.87 (0.52)	50.16 (0.90)	1.10 (0.16)	10.27 (0.45)
TOT	.	19.76	.	3.70 (0.16)	13.52 (0.22)	15.39 (0.20)	14.66 (0.22)	35.21 (0.34)	3.18 (0.08)	14.34 (0.26)
AVG	.	22.14	.	3.31 (0.08)	13.46 (0.15)	16.71 (0.12)	13.59 (0.12)	33.87 (0.18)	3.11 (0.05)	15.95 (0.16)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	8.75 (1.14)	16.43 (1.60)	23.50 (1.09)	7.75 (0.47)	21.32 (0.97)	7.77 (0.63)	14.48 (0.80)
LIE	338	0.30	337	0.89 (.)	11.50 (1.83)	11.76 (1.73)	8.70 (.)	39.57 (2.58)	1.19 (.)	26.40 (2.30)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	36.37 (1.30)	5.88 (0.99)	16.22 (0.91)	6.84 (0.49)	7.24 (0.57)	9.96 (0.50)	17.50 (1.03)
YUG	68596	1.90	67294	24.01 (0.92)	13.36 (0.83)	20.52 (0.73)	6.77 (0.42)	8.71 (0.74)	4.84 (0.36)	21.78 (1.10)
THA	637076	5.83	599963	19.55 (1.49)	24.64 (1.19)	19.68 (0.99)	5.45 (0.43)	15.16 (0.77)	2.57 (0.28)	12.95 (0.88)
TUN	150875	33.84	99822	14.27 (0.75)	5.05 (0.50)	8.10 (0.66)	6.50 (0.57)	5.21 (0.60)	6.73 (0.53)	54.15 (1.19)
URY	33775	3.85	32475	14.87 (0.73)	9.79 (0.81)	18.66 (0.85)	12.35 (0.67)	18.59 (0.70)	8.90 (0.56)	16.84 (0.98)

ICT Questionnaire – Question 9

Q9 Who taught you most about how to use the INTERNET?
I don't know how to use the Internet.
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined reading literacy scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Don't know how to use mean (SE)	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.49	234439	479 (14.72)	529 (3.84)	517 (4.05)	537 (2.89)	544 (2.19)	497 (12.02)	473 (4.55)
AUT	85931	1.17	84927	. (.)	472 (5.12)	492 (5.27)	514 (5.75)	523 (3.65)	471 (10.75)	442 (5.39)
BEL	111831	2.31	109247	448 (16.25)	459 (7.22)	513 (4.10)	520 (4.18)	542 (2.43)	473 (13.87)	461 (6.20)
CAN	330436	10.12	296990	434 (42.05)	524 (3.79)	531 (2.82)	539 (3.17)	542 (1.60)	504 (9.35)	500 (2.98)
CZE	121183	4.28	115994	449 (10.32)	492 (4.26)	485 (4.45)	511 (4.28)	524 (3.07)	485 (7.62)	451 (4.76)
DNK	51741	0.70	51378	. (.)	499 (5.23)	497 (4.41)	505 (4.76)	503 (2.95)	437 (17.53)	455 (5.37)
FIN	57884	0.07	57845	. (.)	525 (4.38)	542 (2.95)	562 (3.67)	552 (2.10)	518 (12.65)	509 (4.09)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	443 (13.44)	473 (7.66)	497 (5.70)	515 (4.53)	534 (3.68)	463 (7.40)	458 (4.76)
GRC	105131	2.07	102960	464 (10.14)	448 (5.65)	477 (5.55)	502 (8.40)	504 (5.17)	492 (8.28)	464 (5.86)
HUN	107044	0.17	106867	431 (10.34)	470 (3.41)	486 (3.75)	511 (5.09)	521 (3.83)	468 (6.51)	434 (6.46)
ISL	3928	0.69	3901	. (.)	492 (6.61)	487 (4.66)	508 (4.17)	498 (2.53)	472 (18.58)	466 (4.98)
IRL	54850	1.31	54133	487 (6.61)	489 (6.06)	525 (4.46)	525 (3.82)	540 (2.86)	481 (10.81)	467 (4.71)
ITA	481521	2.17	471096	445 (7.41)	457 (7.66)	482 (3.63)	494 (4.46)	503 (3.79)	483 (8.34)	444 (4.73)
JPN	1240054	1.42	1222475	468 (10.01)	486 (5.61)	483 (7.27)	524 (4.52)	542 (5.22)	464 (11.36)	471 (5.14)
KOR	533504	0.12	532837	. (.)	517 (8.83)	524 (3.70)	541 (5.42)	544 (3.16)	530 (6.39)	490 (7.63)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	377 (4.88)	399 (7.88)	424 (3.08)	425 (5.07)	464 (6.14)	410 (6.33)	352 (7.26)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.30	46544	. (.)	500 (7.15)	518 (5.72)	532 (5.09)	552 (2.65)	471 (16.60)	467 (5.07)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	456 (8.21)	480 (3.62)	505 (4.76)	525 (6.07)	535 (3.75)	514 (8.19)	456 (7.95)
PRT	96857	0.80	96079	448 (9.22)	438 (7.65)	481 (4.14)	497 (5.94)	506 (4.65)	471 (7.45)	461 (4.96)
SVK	77067	3.71	74208	446 (5.80)	487 (4.75)	472 (3.62)	490 (4.78)	511 (3.64)	438 (6.82)	426 (5.44)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	. (.)	493 (10.92)	512 (4.38)	540 (4.42)	523 (2.82)	491 (12.49)	477 (4.45)
CHE	86491	0.48	86079	462 (15.17)	472 (5.79)	492 (4.80)	511 (4.39)	525 (4.21)	477 (9.45)	472 (4.50)
TUR	481279	13.78	414937	424 (6.10)	413 (9.12)	444 (7.57)	483 (9.01)	476 (9.95)	436 (8.44)	428 (6.28)
GBR	698579	91.67	58219	. (.)	490 (4.54)	515 (4.46)	530 (3.75)	539 (3.23)	. (.)	469 (6.32)
USA	3147089	2.76	3060301	. (.)	470 (6.92)	501 (4.29)	498 (5.73)	517 (2.94)	443 (14.30)	443 (4.80)
TOT	.	19.76	.	419 (3.87)	473 (2.57)	488 (1.63)	504 (2.08)	521 (1.59)	460 (2.79)	444 (2.31)
AVG	.	22.14	.	438 (2.74)	478 (1.52)	495 (0.97)	515 (1.04)	526 (0.87)	472 (2.09)	456 (1.35)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	471 (5.67)	481 (7.41)	495 (5.50)	513 (6.97)	519 (5.26)	474 (6.24)	466 (5.91)
LIE	338	0.30	337	. (.)	492 (14.13)	537 (14.49)	. (.)	553 (6.85)	. (.)	487 (9.05)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	442 (4.90)	421 (12.75)	454 (5.94)	477 (6.95)	490 (6.06)	452 (6.41)	415 (5.52)
YUG	68596	1.90	67294	411 (4.33)	391 (5.05)	427 (4.86)	427 (6.90)	468 (5.92)	420 (6.62)	387 (4.82)
THA	637076	5.83	599963	407 (4.25)	405 (3.33)	439 (3.96)	467 (7.21)	465 (5.86)	399 (7.47)	390 (4.51)
TUN	150875	33.84	99822	393 (6.96)	346 (7.75)	403 (6.84)	416 (9.73)	407 (12.76)	406 (7.87)	366 (4.27)
URY	33775	3.85	32475	408 (5.84)	404 (7.91)	440 (4.60)	468 (6.34)	496 (6.05)	431 (7.57)	390 (6.14)

ICT Questionnaire – Question 9

Q9 Who taught you most about how to use the INTERNET?
I don't know how to use the Internet.
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined mathematics scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Don't know how to use mean (SE)	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.49	234439	484 (13.30)	517 (3.79)	517 (3.85)	532 (2.75)	545 (2.44)	488 (10.08)	476 (4.63)
AUT	85931	1.17	84927	. (.)	487 (4.78)	503 (4.83)	522 (5.13)	535 (3.67)	477 (10.02)	467 (4.59)
BEL	111831	2.31	109247	463 (14.27)	481 (6.83)	534 (3.38)	536 (4.15)	569 (2.41)	493 (11.58)	482 (5.05)
CAN	330436	10.12	296990	457 (43.71)	522 (4.09)	531 (2.90)	540 (3.30)	550 (1.82)	512 (8.31)	502 (2.66)
CZE	121183	4.28	115994	474 (9.24)	517 (4.94)	505 (4.06)	535 (4.80)	555 (3.56)	515 (8.74)	473 (4.54)
DNK	51741	0.70	51378	. (.)	512 (4.52)	518 (4.56)	513 (4.88)	529 (3.12)	478 (18.85)	482 (4.58)
FIN	57884	0.07	57845	. (.)	525 (4.81)	538 (3.09)	557 (3.81)	558 (2.18)	514 (13.24)	506 (3.79)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	449 (13.50)	482 (6.56)	509 (5.48)	518 (4.66)	542 (3.75)	488 (7.14)	474 (4.39)
GRC	105131	2.07	102960	420 (7.86)	416 (5.01)	454 (4.74)	469 (8.55)	490 (4.98)	457 (6.22)	441 (4.39)
HUN	107044	0.17	106867	427 (8.45)	469 (3.70)	501 (4.28)	519 (5.19)	537 (4.14)	480 (6.75)	447 (5.77)
ISL	3928	0.69	3901	. (.)	513 (5.75)	512 (4.58)	517 (4.36)	526 (2.06)	498 (15.98)	486 (4.63)
IRL	54850	1.31	54133	474 (5.99)	474 (5.27)	502 (4.51)	512 (3.61)	530 (2.69)	480 (11.16)	459 (4.87)
ITA	481521	2.17	471096	420 (7.47)	436 (7.06)	469 (3.60)	482 (4.38)	500 (3.43)	451 (7.76)	441 (3.71)
JPN	1240054	1.42	1222475	502 (10.17)	522 (5.24)	523 (7.16)	555 (4.70)	575 (6.27)	515 (11.52)	510 (4.89)
KOR	533504	0.12	532837	. (.)	501 (7.80)	532 (4.08)	533 (5.58)	557 (3.42)	529 (7.31)	495 (7.49)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	361 (4.11)	382 (7.15)	407 (2.77)	408 (4.93)	444 (5.59)	388 (6.13)	346 (6.55)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.30	46544	. (.)	494 (6.92)	525 (4.97)	527 (4.18)	554 (2.17)	488 (14.43)	473 (3.89)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	443 (9.00)	474 (3.17)	497 (4.23)	507 (6.19)	533 (2.76)	506 (7.53)	459 (6.59)
PRT	96857	0.80	96079	423 (8.40)	421 (6.30)	466 (3.99)	477 (5.53)	508 (3.89)	451 (5.78)	450 (4.10)
SVK	77067	3.71	74208	469 (4.75)	509 (4.89)	500 (3.12)	518 (4.65)	545 (3.95)	486 (7.84)	459 (6.06)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	. (.)	499 (10.32)	500 (4.19)	526 (4.40)	521 (3.15)	478 (12.00)	475 (4.32)
CHE	86491	0.48	86079	484 (12.81)	503 (5.92)	521 (4.45)	533 (3.92)	559 (5.27)	505 (9.67)	494 (4.05)
TUR	481279	13.78	414937	394 (6.18)	386 (9.88)	434 (8.02)	464 (10.05)	476 (11.74)	411 (7.93)	409 (6.75)
GBR	698579	91.67	58219	. (.)	496 (4.61)	522 (4.70)	531 (3.84)	548 (3.25)	. (.)	490 (5.88)
USA	3147089	2.76	3060301	. (.)	454 (6.08)	490 (4.38)	485 (5.03)	504 (2.95)	437 (11.91)	426 (4.47)
TOT	.	19.76	.	411 (3.92)	474 (2.50)	486 (1.66)	504 (2.16)	520 (1.56)	458 (3.03)	448 (2.22)
AVG	.	22.14	.	430 (2.61)	480 (1.42)	498 (0.96)	516 (1.03)	535 (0.87)	470 (2.13)	463 (1.21)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	450 (5.86)	463 (6.35)	489 (4.45)	502 (7.29)	522 (5.38)	469 (5.62)	462 (5.53)
LIE	338	0.30	337	. (.)	497 (15.83)	544 (13.78)	. (.)	564 (8.32)	. (.)	502 (9.75)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	466 (4.83)	473 (14.00)	475 (6.89)	505 (8.05)	521 (7.18)	477 (7.21)	443 (5.08)
YUG	68596	1.90	67294	429 (4.04)	411 (5.48)	457 (4.81)	450 (6.40)	500 (6.04)	446 (6.48)	416 (4.55)
THA	637076	5.83	599963	399 (4.21)	400 (3.41)	434 (4.34)	462 (7.62)	470 (5.99)	409 (8.16)	391 (4.63)
TUN	150875	33.84	99822	378 (5.62)	338 (6.28)	389 (6.27)	368 (6.01)	408 (12.84)	379 (7.51)	358 (3.70)
URY	33775	3.85	32475	394 (5.58)	380 (6.53)	426 (5.20)	440 (5.34)	489 (4.75)	426 (6.53)	392 (4.89)

ICT Questionnaire – Question 9

Q9 Who taught you most about how to use the INTERNET?
I don't know how to use the Internet.
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined science scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Don't know how to use mean (SE)	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.49	234439	482 (14.90)	520 (3.76)	514 (3.89)	535 (3.02)	547 (2.38)	472 (12.39)	476 (4.29)
AUT	85931	1.17	84927	. (.)	474 (4.87)	487 (5.10)	509 (5.40)	522 (3.60)	483 (11.30)	445 (4.66)
BEL	111831	2.31	109247	449 (14.62)	467 (6.82)	510 (3.51)	520 (4.02)	546 (2.50)	469 (11.96)	458 (5.37)
CAN	330436	10.12	296990	452 (43.00)	512 (4.34)	521 (3.13)	522 (3.42)	539 (1.88)	472 (9.21)	482 (3.49)
CZE	121183	4.28	115994	475 (10.63)	526 (4.97)	514 (5.23)	541 (5.12)	559 (3.53)	512 (10.16)	479 (4.39)
DNK	51741	0.70	51378	. (.)	466 (5.16)	476 (4.96)	475 (5.58)	497 (3.31)	410 (20.77)	436 (5.66)
FIN	57884	0.07	57845	. (.)	536 (4.90)	539 (3.55)	559 (4.42)	563 (2.35)	519 (15.23)	507 (4.42)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	446 (15.36)	477 (7.55)	510 (5.73)	523 (5.06)	544 (3.79)	474 (8.11)	469 (4.99)
GRC	105131	2.07	102960	458 (7.59)	459 (5.04)	483 (5.38)	494 (7.86)	521 (5.73)	483 (7.65)	481 (5.33)
HUN	107044	0.17	106867	452 (9.79)	486 (3.65)	507 (3.95)	538 (5.95)	550 (4.28)	484 (7.40)	456 (6.72)
ISL	3928	0.69	3901	. (.)	487 (6.00)	497 (4.95)	495 (4.29)	507 (2.11)	451 (19.74)	463 (5.17)
IRL	54850	1.31	54133	473 (7.30)	471 (5.50)	501 (4.75)	516 (4.22)	536 (2.70)	452 (11.25)	466 (5.36)
ITA	481521	2.17	471096	439 (7.94)	456 (8.04)	494 (3.80)	501 (4.64)	522 (3.72)	481 (10.84)	458 (4.78)
JPN	1240054	1.42	1222475	514 (10.56)	533 (5.48)	538 (7.44)	569 (4.74)	589 (6.31)	523 (12.31)	526 (5.34)
KOR	533504	0.12	532837	. (.)	512 (9.05)	526 (4.57)	532 (6.15)	553 (3.75)	532 (7.27)	481 (7.96)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	381 (4.46)	399 (6.72)	424 (3.12)	423 (4.58)	459 (6.66)	407 (6.39)	375 (5.55)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.30	46544	. (.)	493 (7.84)	515 (5.28)	523 (4.68)	554 (2.76)	483 (15.94)	470 (3.99)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	446 (8.32)	477 (3.44)	508 (5.07)	530 (7.00)	542 (3.63)	516 (9.26)	460 (7.50)
PRT	96857	0.80	96079	426 (10.16)	420 (7.30)	472 (4.28)	480 (5.92)	510 (4.43)	448 (6.60)	449 (4.31)
SVK	77067	3.71	74208	465 (5.50)	510 (5.33)	501 (3.31)	520 (4.87)	543 (4.18)	465 (7.11)	451 (6.62)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	. (.)	497 (11.04)	502 (4.39)	522 (5.37)	520 (3.39)	443 (12.82)	465 (4.64)
CHE	86491	0.48	86079	471 (10.39)	488 (6.46)	501 (6.26)	528 (3.89)	545 (5.78)	491 (10.86)	477 (4.47)
TUR	481279	13.78	414937	412 (6.31)	401 (8.92)	440 (7.47)	481 (9.65)	477 (9.99)	419 (8.14)	422 (5.70)
GBR	698579	91.67	58219	. (.)	480 (5.17)	511 (5.27)	523 (4.86)	543 (3.74)	. (.)	472 (6.97)
USA	3147089	2.76	3060301	. (.)	463 (6.43)	491 (4.73)	495 (5.13)	514 (3.33)	451 (14.37)	435 (4.75)
TOT	.	19.76	.	427 (4.08)	482 (2.59)	491 (1.70)	513 (2.12)	526 (1.80)	466 (3.45)	456 (2.14)
AVG	.	22.14	.	441 (2.64)	485 (1.38)	498 (0.96)	517 (1.05)	533 (0.90)	471 (2.37)	462 (1.23)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	464 (6.13)	479 (7.17)	495 (5.67)	503 (7.01)	522 (5.72)	470 (6.63)	463 (6.50)
LIE	338	0.30	337	. (.)	491 (16.35)	536 (19.38)	. (.)	551 (8.45)	. (.)	488 (9.84)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	488 (5.24)	463 (13.58)	499 (7.41)	517 (7.22)	546 (7.45)	497 (7.47)	469 (5.53)
YUG	68596	1.90	67294	428 (3.92)	415 (5.35)	455 (4.50)	457 (6.49)	496 (6.28)	446 (6.01)	413 (4.45)
THA	637076	5.83	599963	409 (4.30)	420 (3.17)	446 (4.52)	471 (7.93)	476 (5.63)	421 (9.93)	400 (4.82)
TUN	150875	33.84	99822	405 (5.90)	354 (9.15)	407 (6.17)	399 (8.18)	434 (12.25)	411 (7.79)	380 (3.88)
URY	33775	3.85	32475	416 (5.01)	408 (7.74)	433 (4.93)	470 (5.45)	496 (4.89)	448 (7.23)	404 (4.72)

ICT Questionnaire – Question 9

Q9 Who taught you most about how to use the INTERNET?
I don't know how to use the Internet.
My school.
My friends.
My family.
I taught myself.
Others.

Performance on the combined problem solving scale, by response category

Country Alphanumeric ISO Code	N All	% N/A	N Valid	Don't know how to use mean (SE)	My school mean (SE)	My friends mean (SE)	My family mean (SE)	Taught myself mean (SE)	Others mean (SE)	Missing mean (SE)
AUS	235591	0.49	234439	493 (12.87)	526 (3.82)	521 (3.87)	540 (2.59)	549 (2.14)	497 (9.57)	482 (4.53)
AUT	85931	1.17	84927	. (.)	487 (4.72)	505 (4.27)	523 (5.24)	536 (3.42)	483 (10.69)	464 (4.36)
BEL	111831	2.31	109247	470 (12.67)	478 (6.26)	529 (3.37)	532 (3.72)	562 (2.57)	497 (12.53)	478 (4.88)
CAN	330436	10.12	296990	449 (37.87)	523 (4.17)	523 (2.77)	544 (2.95)	548 (1.74)	501 (8.64)	499 (2.90)
CZE	121183	4.28	115994	469 (9.33)	516 (4.80)	508 (4.09)	537 (4.99)	556 (3.02)	507 (8.29)	473 (4.58)
DNK	51741	0.70	51378	. (.)	507 (5.29)	522 (4.07)	520 (4.92)	531 (2.71)	504 (18.21)	484 (4.49)
FIN	57884	0.07	57845	. (.)	531 (5.25)	542 (3.13)	561 (3.61)	561 (2.18)	530 (12.40)	509 (4.39)
FRA	734579	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
DEU	884358	5.76	833448	456 (13.16)	496 (6.58)	511 (5.11)	531 (4.43)	549 (3.97)	497 (6.21)	479 (4.77)
GRC	105131	2.07	102960	434 (8.63)	418 (5.58)	457 (5.47)	470 (7.91)	495 (5.95)	457 (8.12)	444 (4.55)
HUN	107044	0.17	106867	436 (9.72)	484 (3.82)	510 (4.49)	532 (5.19)	550 (4.05)	478 (7.74)	447 (5.92)
ISL	3928	0.69	3901	. (.)	494 (5.49)	502 (4.07)	519 (4.14)	514 (1.90)	530 (15.31)	471 (4.72)
IRL	54850	1.31	54133	471 (5.85)	475 (4.98)	497 (4.11)	509 (3.45)	525 (2.54)	460 (9.62)	452 (4.45)
ITA	481521	2.17	471096	429 (8.81)	438 (8.02)	474 (3.74)	490 (4.03)	502 (3.54)	464 (8.80)	442 (4.77)
JPN	1240054	1.42	1222475	511 (10.26)	536 (5.26)	535 (7.83)	569 (4.53)	592 (5.96)	525 (11.53)	518 (4.98)
KOR	533504	0.12	532837	. (.)	516 (7.99)	541 (3.79)	550 (5.30)	563 (3.21)	532 (6.87)	510 (6.85)
LUX	4080	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
MEX	1071650	12.34	939388	355 (6.52)	380 (8.08)	407 (3.52)	412 (5.54)	451 (6.30)	390 (7.60)	341 (6.88)
NLD	184943	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
NZL	48638	4.30	46544	. (.)	509 (6.72)	530 (4.70)	540 (4.10)	561 (2.12)	484 (13.75)	484 (3.71)
NOR	52816	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
POL	534900	1.17	528615	439 (6.92)	469 (3.52)	494 (4.41)	505 (6.01)	532 (3.21)	497 (7.93)	459 (6.14)
PRT	96857	0.80	96079	430 (9.22)	424 (7.63)	469 (4.47)	483 (6.07)	507 (4.36)	455 (6.34)	458 (5.08)
SVK	77067	3.71	74208	461 (4.84)	505 (4.56)	495 (3.33)	512 (4.96)	541 (3.99)	462 (8.52)	449 (5.79)
ESP	344372	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
SWE	107104	0.44	106628	. (.)	503 (10.35)	501 (4.22)	529 (3.97)	518 (3.01)	483 (12.09)	479 (4.15)
CHE	86491	0.48	86079	480 (15.88)	496 (5.81)	519 (4.23)	532 (3.83)	547 (4.55)	505 (8.66)	492 (3.67)
TUR	481279	13.78	414937	385 (5.78)	373 (9.62)	413 (7.23)	459 (8.54)	452 (10.55)	385 (7.66)	398 (6.37)
GBR	698579	91.67	58219	. (.)	493 (4.85)	529 (4.58)	533 (3.84)	551 (3.39)	. (.)	488 (5.85)
USA	3147089	2.76	3060301	. (.)	455 (6.36)	479 (4.81)	479 (5.07)	499 (3.10)	448 (12.15)	419 (5.06)
TOT	.	19.76	.	411 (4.62)	477 (2.53)	484 (1.82)	508 (2.24)	520 (1.67)	459 (3.32)	447 (2.36)
AVG	.	22.14	.	430 (2.88)	482 (1.51)	499 (0.97)	520 (1.07)	534 (0.83)	468 (2.12)	463 (1.35)
HKG	72484	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
IDN	1971476	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
LVA	33643	0.83	33364	446 (7.73)	468 (7.62)	487 (4.68)	505 (7.92)	519 (5.17)	477 (6.42)	453 (6.11)
LIE	338	0.30	337	. (.)	495 (13.51)	535 (13.41)	. (.)	556 (7.49)	. (.)	495 (9.22)
MAC	6546	100.00	0	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
RUS	2153373	6.06	2022801	477 (5.45)	463 (13.27)	486 (7.25)	532 (7.08)	539 (7.14)	490 (6.69)	449 (5.64)
YUG	68596	1.90	67294	416 (3.80)	390 (4.96)	440 (4.29)	433 (6.84)	489 (5.37)	435 (7.72)	394 (4.59)
THA	637076	5.83	599963	409 (4.38)	409 (3.65)	438 (3.93)	471 (6.50)	477 (5.59)	438 (8.83)	398 (4.15)
TUN	150875	33.84	99822	364 (4.85)	321 (6.46)	370 (6.16)	362 (6.89)	370 (10.15)	373 (6.77)	343 (3.14)
URY	33775	3.85	32475	380 (6.21)	371 (8.54)	420 (5.42)	438 (6.04)	479 (5.30)	410 (8.32)	368 (5.23)