

World - Measuring Brain Drain by Gender 1990-2000

Frédéric Docquier and B. Lindsay Lowell

Report generated on: August 26, 2021

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Overview

Identification

ID NUMBER
WLD_2000_MBDG_v01_M

Version

VERSION DESCRIPTION

PRODUCTION DATE

NOTES

Overview

ABSTRACT

This dataset, a product of the Trade Team - Development Research Group, is part of a larger effort in the group to measure the extent of the brain drain as part of the International Migration and Development Program. It measures international skilled migration by gender.

The methodology is explained in: A gendered assessment of the brain drain, F. Docquier, L. Lowell, and A. Marfouk, Policy Research Discussion Paper (forthcoming), World Bank. 2007.

This data set updates and extends the Docquier-Marfouk data set on international migration by educational attainment. The authors use new sources, homogenize definitions of what a migrant is, and compute gender-disaggregated indicators of the brain drain. Emigration stocks and rates are provided by level of schooling and gender for 195 source countries in 1990 and 2000. This data set can be used to capture the recent trend in women's skilled migration and to analyze its causes and consequences for developing countries.

KIND OF DATA

Aggregate data [agg]

UNITS OF ANALYSIS

Scope

NOTES

The dataset includes indicators related to:

- Migration stock
- Migration rate
- Native labor force
- Resident labor force

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Frédéric Docquier and B. Lindsay Lowell	

OTHER PRODUCER(S)

Name	Affiliation	Role

DATE OF METADATA PRODUCTION
2010-09-14

DDI DOCUMENT VERSION
Version 01 (September 2010)

DDI DOCUMENT ID
DDI_WLD_2000_MBDG_v01_M

Sampling

Sampling Procedure

Deviations from Sample Design

Response Rate

Weighting

Questionnaires

Overview

Data Collection

Data Collection Dates

Start	End	Cycle
1990	2000	N/A

Time Periods

Start	End	Cycle
1990	2000	N/A

Data Collection Mode

Other [oth]

Data Collection Notes

Questionnaires

Supervision

Data Processing

Data Editing

Other Processing

Data Appraisal

Estimates of Sampling Error
Other forms of Data Appraisal

File Description

Variable List

Content	
Cases	390
Variable(s)	39
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V1	origin	Country of origin	discrete		
V2	destination	Country of destination	discrete		
V3	year	Census year	discrete		
V4	ms_all_tot	Total migration stock 25+	contin		
V5	ms_mal_tot	Males' migration stock - All education groups	contin		
V6	ms_mal_low	Males' migration stock - Low skilled	contin		
V7	ms_mal_med	Males' migration stock - Medium skilled	contin		
V8	ms_mal_hig	Males' migration stock - High skilled	contin		
V9	ms_fem_tot	Females' migration stock - All education groups	contin		
V10	ms_fem_low	Females' migration stock - Low skilled	contin		
V11	ms_fem_med	Females' migration stock - Medium skilled	contin		
V12	ms_fem_hig	Females' migration stock - High skilled	contin		
V13	mr_all_tot	Total migration rate 25+	contin		
V14	mr_mal_tot	Males' migration rate - All education groups	contin		
V15	mr_mal_low	Males' migration rate - Low skilled	contin		
V16	mr_mal_med	Males' migration rate - Medium skilled	contin		
V17	mr_mal_hig	Males' migration rate - High skilled	contin		
V18	mr_fem_tot	Females' migration rate - All education groups	contin		
V19	mr_fem_low	Females' migration rate - Low skilled	contin		
V20	mr_fem_med	Females' migration rate - Medium skilled	contin		
V21	mr_fem_hig	Females' migration rate - High skilled	contin		
V22	ns_all_tot	Total native labor force 25+	contin		
V23	ns_mal_tot	Males' native labor force - All education groups	contin		
V24	ns_mal_low	Males' native labor force - Low skilled	contin		
V25	ns_mal_med	Males' native labor force - Medium skilled	contin		
V26	ns_mal_hig	Males' native labor force - High skilled	contin		
V27	ns_fem_tot	Females' native labor force - All education groups	contin		
V28	ns_fem_low	Females' native labor force - Low skilled	contin		
V29	ns_fem_med	Females' native labor force - Medium skilled	contin		
V30	ns_fem_hig	Females' native labor force - High skilled	contin		

V31	rs_all_tot	Total resident labor force 25+	contin
V32	rs_mal_tot	Males' resident labor force - All education groups	contin
V33	rs_mal_low	Males' resident labor force - Low skilled	contin
V34	rs_mal_med	Males' resident labor force - Medium skilled	contin
V35	rs_mal_hig	Males' resident labor force - High skilled	contin
V36	rs_fem_tot	Females' resident labor force - All education groups	contin
V37	rs_fem_low	Females' resident labor force - Low skilled	contin
V38	rs_fem_med	Females' resident labor force - Medium skilled	contin
V39	rs_fem_hig	Females' resident labor force - High skilled	contin

Country of origin(origin)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Discrete	Valid cases: 390
Width: 32	Invalid: NaN

Source of information

Country of origin

Country of destination(destination)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Discrete	Valid cases: 390
Width: 4	Invalid: NaN

Source of information

Country of destination

Census year(year)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Discrete	Valid cases: 390
Width: 4	Invalid: NaN

Source of information

Census year

Total migration stock 25+(ms_all_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 57.6
	Maximum: 6434391.2
	Mean: 250066
	Standard deviation: 537354.1

Source of information

Total migration stock 25+

Males' migration stock - All education groups(ms_mal_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 23.5
	Maximum: 3518573.4
	Mean: 123161.2
	Standard deviation: 274976.9

Source of information

Males' migration stock - All education groups

Males' migration stock - Low skilled(ms_mal_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 5.6
	Maximum: 2468075.1
	Mean: 54886.2
	Standard deviation: 168665.2

Source of information

Males' migration stock - Low skilled

Males' migration stock - Medium skilled(ms_mal_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 4.9
	Maximum: 549174.6
	Mean: 25207.8
	Standard deviation: 52803

Source of information

Males' migration stock - Medium skilled

Males' migration stock - High skilled(ms_mal_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 10.7
	Maximum: 771923.3
	Mean: 43067.2
	Standard deviation: 87064

Source of information

Males' migration stock - High skilled

Females' migration stock - All education groups(ms_fem_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 34.1
	Maximum: 2915817.8
	Mean: 126904.8
	Standard deviation: 265697.9

Source of information

Females' migration stock - All education groups

Females' migration stock - Low skilled(ms_fem_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 7.1
	Maximum: 2003807.9
	Mean: 57859.1
	Standard deviation: 150155.3

Source of information

Females' migration stock - Low skilled

Females' migration stock - Medium skilled(ms_fem_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 12.3
	Maximum: 544623.9
	Mean: 28814.6
	Standard deviation: 61540.7

Source of information

Females' migration stock - Medium skilled

Females' migration stock - High skilled(ms_fem_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 9.7
	Maximum: 706553.4
	Mean: 40231
	Standard deviation: 86153.4

Source of information

Females' migration stock - High skilled

Total migration rate 25+(mr_all_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.5
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Total migration rate 25+

Males' migration rate - All education groups(mr_mal_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 19	Invalid: NaN
	Minimum: 0
	Maximum: 0.5
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Males' migration rate - All education groups

Males' migration rate - Low skilled(mr_mal_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.4
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Males' migration rate - Low skilled

Males' migration rate - Medium skilled(mr_mal_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.7
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Males' migration rate - Medium skilled

Males' migration rate - High skilled(mr_mal_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 19	Invalid: NaN
	Minimum: 0
	Maximum: 0.9
	Mean: 0.2
	Standard deviation: 0.2

Source of information

Males' migration rate - High skilled

Females' migration rate - All education groups(mr_fem_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.6
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Females' migration rate - All education groups

Females' migration rate - Low skilled(mr_fem_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.4
	Mean: 0
	Standard deviation: 0.1

Source of information

Females' migration rate - Low skilled

Females' migration rate - Medium skilled(mr_fem_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 20	Invalid: NaN
	Minimum: 0
	Maximum: 0.7
	Mean: 0.1
	Standard deviation: 0.1

Source of information

Females' migration rate - Medium skilled

Females' migration rate - High skilled(mr_fem_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 19	Invalid: NaN
	Minimum: 0
	Maximum: 1
	Mean: 0.2
	Standard deviation: 0.3

Source of information

Females' migration rate - High skilled

Total native labor force 25+(ns_all_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 950.6
	Maximum: 761027004.8
	Mean: 14964190.6
	Standard deviation: 59881575.8

Source of information

Total native labor force 25+

Males' native labor force - All education groups(ns_mal_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 559.3
	Maximum: 386718784.1
	Mean: 7396040.2
	Standard deviation: 30420949

Source of information

Males' native labor force - All education groups

Males' native labor force - Low skilled(ns_mal_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 344
	Maximum: 194392898.2
	Mean: 3967661.2
	Standard deviation: 17137336.9

Source of information

Males' native labor force - Low skilled

Males' native labor force - Medium skilled(ns_mal_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 111.2
	Maximum: 177269036.2
	Mean: 2526178.1
	Standard deviation: 12512519.7

Source of information

Males' native labor force - Medium skilled

Males' native labor force - High skilled(ns_mal_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 50.1
	Maximum: 45902063
	Mean: 902200.9
	Standard deviation: 3473806.4

Source of information

Males' native labor force - High skilled

Females' native labor force - All education groups(ns_fem_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 391.3
	Maximum: 374308220.7
	Mean: 7568150.4
	Standard deviation: 29477849.3

Source of information

Females' native labor force - All education groups

Females' native labor force - Low skilled(ns_fem_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 249.8
	Maximum: 274804617.8
	Mean: 5021138
	Standard deviation: 22491661.5

Source of information

Females' native labor force - Low skilled

Females' native labor force - Medium skilled(ns_fem_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 71.1
	Maximum: 93883808.6
	Mean: 1861878.4
	Standard deviation: 7215075.6

Source of information

Females' native labor force - Medium skilled

Females' native labor force - High skilled(ns_fem_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 28.9
	Maximum: 48785987.6
	Mean: 685134
	Standard deviation: 3088917.8

Source of information

Females' native labor force - High skilled

Total resident labor force 25+(rs_all_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 9	Invalid: NaN
	Minimum: 893
	Maximum: 759351470
	Mean: 14714124.5
	Standard deviation: 59706850.6

Source of information

Total resident labor force 25+

Males' resident labor force - All education groups(rs_mal_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 9	Invalid: NaN
	Minimum: 535.8
	Maximum: 385931431
	Mean: 7272878.9
	Standard deviation: 30336632.1

Source of information

Males' resident labor force - All education groups

Males' resident labor force - Low skilled(rs_mal_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 336.6
	Maximum: 194123509.8
	Mean: 3912774.9
	Standard deviation: 17108523.3

Source of information

Males' resident labor force - Low skilled

Males' resident labor force - Medium skilled(rs_mal_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 104
	Maximum: 177142526.8
	Mean: 2500970.3
	Standard deviation: 12499894.6

Source of information

Males' resident labor force - Medium skilled

Males' resident labor force - High skilled(rs_mal_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 23.6
	Maximum: 45699190.9
	Mean: 859133.7
	Standard deviation: 3434456.1

Source of information

Males' resident labor force - High skilled

Females' resident labor force - All education groups(rs_fem_tot)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 9	Invalid: NaN
	Minimum: 357.2
	Maximum: 373420039
	Mean: 7441245.6
	Standard deviation: 29387104.1

Source of information

Females' resident labor force - All education groups

Females' resident labor force - Low skilled(rs_fem_low)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous	Valid cases: 390
Width: 16	Invalid: NaN
	Minimum: 242.7
	Maximum: 274463728.7
	Mean: 4963278.9
	Standard deviation: 22459858.1

Source of information

Females' resident labor force - Low skilled

Females' resident labor force - Medium skilled(rs_fem_med)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous
Width: 16

Valid cases: 390
Invalid: NaN
Minimum: 58.9
Maximum: 93728429.8
Mean: 1833063.7
Standard deviation: 7192749.4

Source of information

Females' resident labor force - Medium skilled

Females' resident labor force - High skilled(rs_fem_hig)

File: Datasetbygender_Aggregates_Stata

Overview

Type: Continuous
Width: 16

Valid cases: 390
Invalid: NaN
Minimum: 5.4
Maximum: 48562756.9
Mean: 644903
Standard deviation: 3055484.1

Source of information

Females' resident labor force - High skilled

Documentation

Reports

A gendered assessment of the brain drain

Title A gendered assessment of the brain drain
Author(s) Frederic Docquier B. Lindsay Lowell Abdeslam Marfouk
Date 2008-05-01
Language English
Filename <http://go.worldbank.org/PREFD46ER0>

Technical documents

Variable name and definition

Title Variable name and definition
Language English
Filename DataSetByGender_Aggregates_Variables.pdf
