Often-used Variables on SACMEQ III Archive

Variables related to test scores

There are a variety of variables that are related to test scores.

(1) Standardized individual scores for <u>pupils</u>

- ZRALOCP (Standardized Reading score for SACMEQ III Pupil, based on the 500 standard established for SACMEQ II Pupils)
- ZMALOCP (Standardized Mathematics score for SACMEQ II Pupil, based on the 500 standard established for SACMEQ II Pupils)
- ZHALOCP (Standardized HIV/AIDS Knowledge Test score for SACMEQ III Pupil)

(2) The variables for standard scores for <u>teachers</u>

- ZRALOCT (Standardized Reading score for SACMEQ III Reading Teacher)
- ZMALOCT (Standardized Mathematics score for SACMEQ III Mathematics Teacher)
- ZHALOCRT (Standardized HIV/AIDS Knowledge Test score for SACMEQ III Reading Teacher)
- ZHALOCMT (Standardized HIV/AIDS Knowledge Test score for SACMEQ III Mathematics Teacher)
- ZHALOCHT (Standardized HIV/AIDS Knowledge Test score for SACMEQ III Health Teacher)

(3) Hierarchical levels of competency

- ZRALEVP (SACMEQ III Pupil Reading competency level)
- ZMALEVP (SACMEQ III Pupil Mathematics competency level)

- ZRALEVT (SACMEQ III Teacher Reading competency level)
- ZMALEVT (SACMEQ III Teacher Mathematics competency level)

Essential weight variable

Before conducting any analysis, it is necessary to apply the pupil level weight for all the cases in the archive. Please use PWEIGHT2 .

Essential independent variables

The following variables are often used as the independent variables when comparing means of different sub-groups of people. Some of them are original variables included in the questionnaires.

1. Country name (COUNTRY) – This is an alphanumerical (string) variable containing the first three letters of each participating country. For example, BOT indicates Botswana, and ZIM indicates Zimbabwe.

2. Educational region name (IDEDREG) – This is another alphanumerical (string) variable containing (i) three letters for country, and (ii) three letters indicating the educational regions in the country. This may or may not coincide with the strata variable that has been used for stratification during the sampling design.

3. School location (SLOCAT) – This is an original variable for the location of school (isolated, rural, small town, or large city).

4. Pupil gender (PSEX).

5. Teacher gender (XSEX for SACMEQ III Reading teachers, YSEX for SACMEQ III Mathematics teachers, and WSEX for SACMEQ III Health teachers).

ADDITIONAL NOTE FOR TEACHER VARIABLES:

For all the variables in the Teacher Booklet, the first letter of the teacher variable 'T' needs to be replaced by 'X', 'Y' or 'W' representing 'Reading', 'Mathematics' and 'Health' teachers, respectively. See above point 5 for an example.

Derived variables related to pupil background

1. Pupils age in months (ZPAGEMON) – it has been rounded to the nearest month.

2. Total possessions at pupil's home (ZPTOTP31) – Maximum is 31.

3. Pupil's SES score (ZPSESSCR) –It was created using the Rasch scaling approach using home possessions, parents' education levels, lighting, floor, wall, and roof of the house.