

DERIVED CONTEXT VARIABLES

Student Questionnaire – Grade 8

Derived Variable Name:

Variable Label:

BSDG05S

Number of Home Study Supports

International Report Exhibits

Exhibits 3.1.4 – 3.1.6: Home Educational Resources (scale component variable)

Procedure

Based on responses to the following questions in the Student Questionnaire:

SQIS-05d,f/SQSS-05d,f: Do you have any of these things in your home?

"Access to the internet" (BSBG05D)

"Your own room" (BSBG05F)

Response options: 1 = "Yes"

2 = "No"

Derive BSDG05S:

1 = "Neither Own Room nor Access to the Internet" = IF (BSBG05D = 2 AND BSBG05F = 2)

2 = "Either Own Room or Access to the Internet" = IF ((BSBG05D = 1 AND BSBG05F = 2) OR (BSBG05D = 2 AND BSBG05F = 1))

3 = "Both Own Room and Access to the Internet" = IF (BSBG05D = 1 AND BSBG05F = 1)

Set BSDG05S to missing if either source variable is missing.

Set BSDG05S to not administered if both source variables are not administered.

1 = "Neither Own Room nor Access to the Internet"

2 = "Either Own Room or Access to the Internet"

3 = "Both Own Room and Access to the Internet"

Trend Comments

See BSDG05S in TIMSS 2019. Modifications to BSBG05D in TIMSS 2023.

Derived Variable Name:

BSDGEDUP

Variable Label:

Parents' Highest Education Level

International Report Exhibits

Exhibits 3.1.4 – 3.1.6: Home Educational Resources (scale component variable)

Procedure

Based on responses to the following questions in the Student Questionnaire:
 SQIS-06A,B/SQSS-06A,B: What is the highest level of education completed by your
 <parents/guardians>?

"<Parent/Guardian A"> (BSBG06A)

"<Parent/Guardian B"> (BSBG06B)

Response options: 1 = "Some <Primary education—ISCED Level 1 or Lower secondary education—
 ISCED Level 2> or did not go to school"

2 = "<Lower secondary education—ISCED Level 2>"

3 = "<Upper secondary education—ISCED Level 3>"

4 = "<Post-secondary, non-tertiary education—ISCED Level 4>"

5 = "<Short-cycle tertiary education—ISCED Level 5>"

6 = "<Bachelor's or equivalent level—ISCED Level 6>"

7 = "<Postgraduate degree: Master's—ISCED Level 7 or Doctor—ISCED Level 8>"

8 = "I don't know"

9 = "Not applicable"

Recode BSBG06A as follows:

IF BSBG06A = 6 or 7: Recode to 1 ("University or Higher")

IF BSBG06A = 4 or 5: Recode to 2 ("Post-Secondary Education but not University")

IF BSBG06A = 3: Recode to 3 ("Upper Secondary")

IF BSBG06A = 2: Recode to 4 ("Lower Secondary")

IF BSBG06A = 1: Recode to 5 ("Some Primary or Lower Secondary or Did not go to School")

IF BSBG06A = 8 or 9: Recode to 6 ("Not Applicable")

Recode BSBG06B in the same way.

Derive BSDGEDUP:

Using these categories, the smaller value of the recoded variables BSBG06A and BSBG06B becomes
 BSDGEDUP.

Set BSDGEDUP to missing if both source variables are missing.

1 = " University or Higher "

2 = " Post-Secondary Education but not University "

3 = " Upper Secondary "

4 = " Lower Secondary "

5 = "Some Primary or Lower Secondary or Did not go to School"

6 = "Not Applicable"

Trend Comments

See BSDGEDUP in TIMSS 2019.