

List of variables in the STUDENT file

IDTEACH new teacher id
IDSTUD *STUDENT ID

CLUB GEN\OUTSIDE SCHL\CLUBS
PAID GEN\OUTSIDE SCHL\WORK AT PAID JOB
DAY1 GEN\OUTSIDE SCHL\WATCH TV OR VIDEOS
DAY2 GEN\OUTSIDE SCHL\PLAY COMPUTER GAMES
DAY3 GEN\OUTSIDE SCHL\PLAY WITH FRIENDS
DAY4 GEN\OUTSIDE SCHL\DOING JOBS AT HOME
DAY5 GEN\OUTSIDE SCHL\PLAYING SPORTS
DAY6 GEN\OUTSIDE SCHL\READING A BOOK

<u>Value</u>	<u>Label</u>
1	no time
2	less than 1 hour
3	1-2 hours
4	3-5 hours
5	more than 5 hours

BSBGHOME GEN\# OF PEOPLE LIVING IN HOME

BSBGBOOK GEN\# OF BOOKS IN STUDENT'S HOME

<u>Value</u>	<u>Label</u>
1	0-10 books
2	11-25 books
3	26-100 books
4	101-200 books
5	more than 200 books

BSBGPS01 GEN\HOME POSSESS\CALCULATOR
BSBGPS02 GEN\HOME POSSESS\COMPUTER
BSBGPS03 GEN\HOME POSSESS\STUDY DESK
BSBGPS04 GEN\HOME POSSESS\DICTIONARY

<u>Value</u>	<u>Label</u>
1	yes
2	no

GENDER Gender
0 Male
1 Female

BORN US Born in the USA
1 yes
2 no

LANGUAGE Speak English at Home
1 always or almost always
2 sometimes
3 never

ENGLISH Usually Speak English at Home
0 No
1 Yes (always or almost always)

M_STUDY Doing math homework
S_STUDY Doing science homework

<u>Value</u>	<u>Label</u>
1	no time
2	less than 1 hour
3	1-2 hours
4	3-5 hours
5	more than 5 hours

MOM_ED Highest ed level of mother
DAD_ED Highest ed level of father
SELF_ED Highest ed level expected for self

<u>Value</u>	<u>Label</u>
1	Finish primary school
2	Finish some secondary school
3	Finish secondary school
4	Some vocational education
5	Some university
6	Finish university
7 M	I don't know

M_MIP2 Mother: important to do well in math
M_FIP2 Friends: important to do well in math
M_SIP2 Self: important to do well in math

<u>Value</u>	<u>Label</u>
1	Strongly disagree
2	Disagree
3	Agree
4	Strongly agree

M_GOOD Usually do well in math

<u>Value</u>	<u>Label</u>
1	Strongly disagree
2	Disagree
3	Agree
4	Strongly agree

To do well in Math:

M_DOW1 Need: natural talent
M_DOW2 Need: good luck
M_DOW3 Need: to hard work studying
M_DOW4 Need: to memorize notes

<u>Value</u>	<u>Label</u>
1	Strongly disagree
2	Disagree
3	Agree
4	Strongly agree

M_LIKE Like mathematics

<u>Value</u>	<u>Label</u>
1	dislike a lot
2	dislike
3	like
4	like a lot

M_THINK1 Enjoy learning math
M_THINK2 Math is boring
M_THINK3 Math is an easy subject
M_THINK4 Math is important to life
M_THINK5 Like a job involving math

<u>Value</u>	<u>Label</u>
1	Strongly disagree
2	Disagree
3	Agree
4	Strongly agree

M_LESS1 Teacher shows how to do problems
M_LESS2 Copy notes from the board
M_LESS3 Have a quiz or test
M_LESS4 Worksheets or textbook on own
M_LESS5 Work on projects
M_LESS6 Use calculators
M_LESS7 Use computers
M_LESS8 Work in pairs or small groups
M_LESS9 Use things from everyday life
M_LESS10 Teacher gives homework
M_LESS11 Begin homework in class
M_LESS12 Teacher checks homework
M_LESS13 Check each other's homework
M_LESS14 Discuss completed homework

<u>Value</u>	<u>Label</u>
1	Never
2	Once in a while
3	Pretty often
4	Almost always

Continuous Variables:

AGE Age of Student
SCORES Math Score (IRT-scores)
SELF_EFY Math Self-Efficacy (4 items)
ACTIVE Non-Homework Activities
TEACHER Teacher Directed Learning
STUDENT Student Directed Learning