

TASK 1

Using the following variables,

- Student gender (GENDER)
- Reading achievement (READ)
- Mathematics achievement (MATH)

- *Task 1- a. Perform a statistical testing to see if there is a statistically significant difference in the reading performance scores of the male and female students in Australia in the PISA 2012 international assessment.
- *Task 1- b. Perform a statistical testing to see if there is a statistically significant difference in the mathematics performance scores of the male and female students in Australia in the PISA 2012 international assessment.

TASK 2

Using the following variables,

- Education level of mother (miscd)
- Education level of father (fiscd)
- Reading achievement (READ)

Data: “Data_PISA 2012
Australia”

- *Task 2- a. Perform a statistical testing to see if there is a statistically significant difference in the reading performance scores by mother’s education levels (miscd).
- *Task 2- b. Perform a statistical testing to see if there is a statistically significant difference in the reading performance scores by father’s education levels (fiscd).

TASK 3

Using the following variables,

- Mathematics Self-Efficacy (MATHEFF)
- Perseverance (PERSEV)
- Reading achievement (READ)
- Mathematics achievement (MATH)

Data: “Data_PISA 2012
Australia”

- * Task 3. Perform correlation or simple regression analysis (as many as required to “tell a story”)

Writing the report

1. Student gender (GENDER)
2. Education level of mother (miscd)
3. Education level of father (fiscd)
4. Mathematics Self-Efficacy (MATHEFF)
5. Perseverance (PERSEV)
6. Reading achievement (READ)
7. Mathematics achievement (MATH)

- * Review the results on these seven variables that you have obtained from Tasks 1 to 3.
- * Write up the results – “Tell a story”

Writing the report

- From the SPSS outputs that you have obtained, select **THREE main findings**
- Write the report about the **THREE main findings**
- Think about what are the **main conclusions** that can be drawn from the results about the relationships among these seven variables
- If you like, you can do further analysis of the seven variables, to support, elaborate or augment the main stories of the results
- A Word file template has been provided for you to use for this assessment
- **PLEASE USE SINGLE SPACE TEXT IN YOUR ASSESSMENT 2**