SPSS Procedures for Chapter Examples

Chapter 11: Independent T-Test

In this module, we will learn to run an Independent T-Test with SPSS. We will use the data set we saved as hsb500R.

Step 1. Start
   a. Open SPSS.
   b. Open data set hsb500.

Step 2. Run Independent T-Test
   a. From the SPSS menu bar, click on Analyze – Compare Mean – Independent-Samples T-Test. You will see the “Independent-Samples T-Test” dialogue box as shown in Figure B5.
   b. Move the variable you want to test, e.g., visual, to the “Test Variable(s)” box.
   c. We want to compare females’ visual test scores with males’ scores. Therefore, we move the variable gender to the “Grouping Variable” box. Now, you see “gender[? ?]” in the box.
   d. Click on the button of “Define Groups”. In the Define Group dialogue, enter 0 (which indicates “female” as in the data value) to “Group 1” box, and 1 (which indicates “male”) to “Group 2” Box. Click on Continue.
   e. Now, you will see the Grouping Variable shown as “gender[0 1]”.
   f. Click on OK. You will have the results for the independent T-Test.

Figure B.5
SPSS Independent T-Test

Repeat the same procedure to two the Independent T-Test for the variable MOSAIC.