Chapter 11 – Exercise 1

Test the hypothesis that the mean, average teacher salary (ODE.sav-SALARY) is the same for the two populations (less than $23,700 and greater than $23,700).

Step 1. Start
a. Open SPSS.
b. Open data set ode.sav.
c.

Step 3. Recode the Variable
a. If you have not recode the variable “income” into a new variable “nincome”, do it by following the steps in Introduction section (see the link Recoding Variables).
b. Recode the “income” as 1 (indicating less than 23700) and 2 (indicating greater than 23700).

c.

Step 3. 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., salary, to the “Test Variable(s)” box.
c. We want to compare females’ visual test scores with males’ scores. Therefore, we move the variable nincome to the “Grouping Variable” box. Now, you see “nincome[? ?]” in the box.
d. Click on the button of “Define Groups”. In the Define Group dialogue, enter 1 (which indicates “less than 23,700” group) to “Group 1” box, and 2 (which indicates “more than 23,700 group”) to “Group 2” Box. Click on Continue.
e. Now, you will see the Grouping Variable shown as “nincome[1 2]”.
f. Click on OK. You will have the results for the independent T-Test.

Repeat the same procedure to two the Independent T-Test for the variable STUDENT and INSTRUCT.