SPSS Procedures for Computer Examples

Chapter 16 – Exercise 1
Complete a 2 X 3 ANOVA (ODE.sav). Dependent Variable – PASS9th, Independent Variables: INCOME, and STUDENTS.

Step 1. Start
a. Open data set ods.sav.

Step 2. Run Two-Way ANOVA
a. From the SPSS menu bar, click on Analyze – General Linear Model – Univariate. You will see the “Univariate” dialogue box as shown in Figure B8-(a).
b. Move the variable pass9th to the “Dependent Variable” box.
c. We want to compare the test scores by the “income” and “student.” So, move these two variables income, and students into the “Fixed Factor(s)” box.
d. To do the multiple comparison, click on the PostHoc button. You will see the “Univariate: Post Hoc Multiple Comparisons for Observed Means” dialogue as in Figure B8-(b). The box under “Post Hoc Tests for:” is empty. Move the two variables income, and students into this box.
e. Check Tukey and S-N-K. Click Continue.
f. Now, you are back to the Univariate dialogue. Click on OK. You will have the results for the Two-Way ANOVA, and the Tukey and Newman-Keuls Post Hoc tests.