SPSS Procedures for Computer Examples

Chapter 18 – Exercise 1

What percentage of the variance in the scores on the Independent Living Scale is accounted for when the Personal Adjustment Scale, the Social Adjustment Scale, and the Social Skills Inventory are used together as predictors (CPS50.sav – ILS [criterion variable], PAS, SAS, and SSI [predictor variables])

Step 1. Start
   a. Open SPSS. Open data set CPS50.sav.

Step 2. Run Linear Regression analysis
   a. From the SPSS menu bar, click on Analyze – Regression – Linear. You will see the “Linear Regression” dialogue box as shown in Figure B10.
   b. From the left box, first you click on the criterion variable ILS, and move it to the right into the box labeled “Dependent”
   c. Then, move the predictor variables PAS, SAS, and SSI, one by one, into the box labeled “Independent(s)” – because of the size of the box, you may only see two listed there, keep moving all four predictor variables into the box.
   d. In this example, you do not change any default options. Click on OK. You will see the linear multiple regression results in the output window.

![Figure B.10. SPSS Linear Multiple Regression Analysis](image)

Use the same procedures for Exercise 2 and 3:

Exercise 2: Criterion Variable – INSTRUCT, Predictor Variables – WELFARE, PROPERTY, INCOME, and STUDENTS.

Exercise 3: Criterion Variable – ACTIV, Predictor Variables – SELFCONF, EXTROV, and VERBAL.