SPSS Procedures for Chapter Examples
Chapter 19: Analysis of Covariance

In this module, we will learn to run the ANCOVA procedures with SPSS. Here we run one in which the math achievement is the dependent variable, father’s education is the independent variable, and mosaic is the covariate.

Step 1. Start
   a. Open SPSS. Open data set hab500.

Step 2. Run ANCOVA
   a. From the SPSS menu bar, click on Analyze – General Linear Model – Univariate. You will see the “Univariate” dialogue box as shown in Figure B11.
   b. Move the variable mathach to the “Dependent Variable” box.
   c. We want to compare the test scores by the “father’s education” with “mosaic test” as covariate. Move faed into the “Fixed Factor(s)” box, and then move mosaic into “Covariate(s)” box.
   d. To obtain adjusted Means for the ANOVA for mathach with mosaic as a covariate, Click on Option button. You will see the Univariate Option dialogue. Move OVERALL and faed into the “Display Means for” box, and click on Continue.
   e. Now you are back to the Univariate dialogue. Click on OK. You will have the results for the analysis of covariate and the adjusted means.

![Figure B.11](image)

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