Dataset Exercises

Chapter 2

Find **CARS.SAV** in the SPSS directory and double click on it. This will automatically start SPSS.

1. Use the Utilities menu to find definitions of the variables, such as mpg, engine, horse power, acceleration and the country variable

2. Using Data Editor, **Select Variables View** (which is located left bottom on the Data Editor). Calculate the following descriptive statistics of the four continuous variables listed above – mean & standard d deviation

On the menu bar, go to **Analyze**
Go to **Descriptive Statistics** -> **Descriptives…**

3. Make a **scatter diagram** for acceleration against the other 3 continuous variables separately.

Graphs -> Scatter…
Show acceleration against the other continuous variables separately on different graphs (miles per gallon & engine, horse, weight)

4. Go to the **SELECT IF** command and compute the differences in means between USA and non USA cars for the 4 continuous variables

To do this go to the menus: Data -> **Select Cases**
-> **if** condition is satisfied -> **if**

As the code for USA is 1 you need to use ORIGIN=1 in the IF statement to get the USA Sample and not equal to 1 to get the rest of the countries sample.

5. Compute the bivariate correlation matrix of the four continuous variables.

Correlation is found under:
Analyze...Correlate...Bivariate.
Select the continuous variables you wish to correlate and add them to the Variables box.

Correlation Menu Items Selection:
Pearson Correlation Coefficients
Two-tailed
Flag significant correlations