

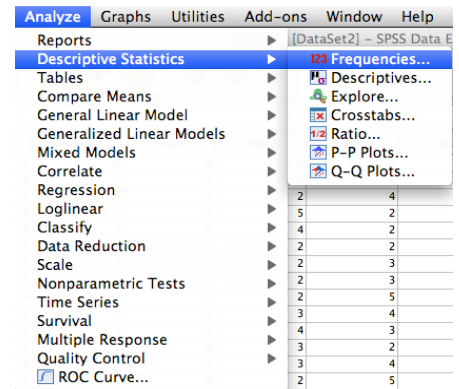
Psyc 250 – Statistics & Experimental Design

Central Tendency & Variability

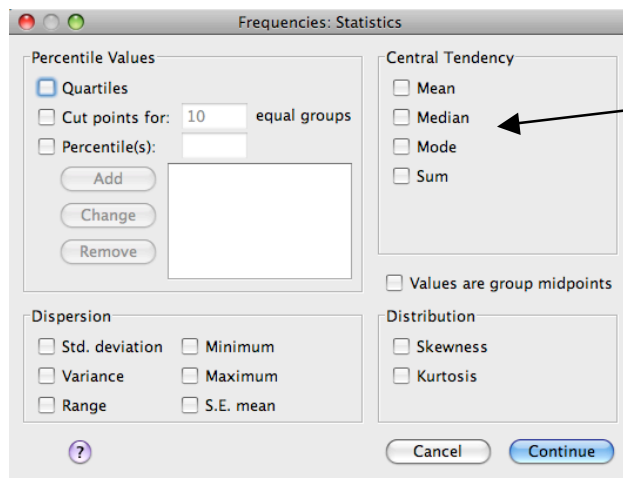
Generating measures of central tendency and variability are relatively easy in SPSS (especially compared to hand computations). They can be generated via two different commands.

OPTION 1

[Analyze] → [Descriptives Statistics] → [Frequencies]



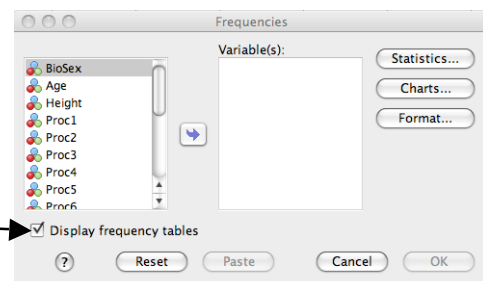
A new window will open – this window should look familiar. Click on [Statistics] to obtain the following window:



Here are your options for **Central Tendency**. In the lower left hand corner of this window you will see the options for **Dispersion**. As we discussed earlier this semester, you can also select information about **Distribution** properties (Skew & Kurtosis).

Select the options you would like, then click [Continue]. You will return to the following window:

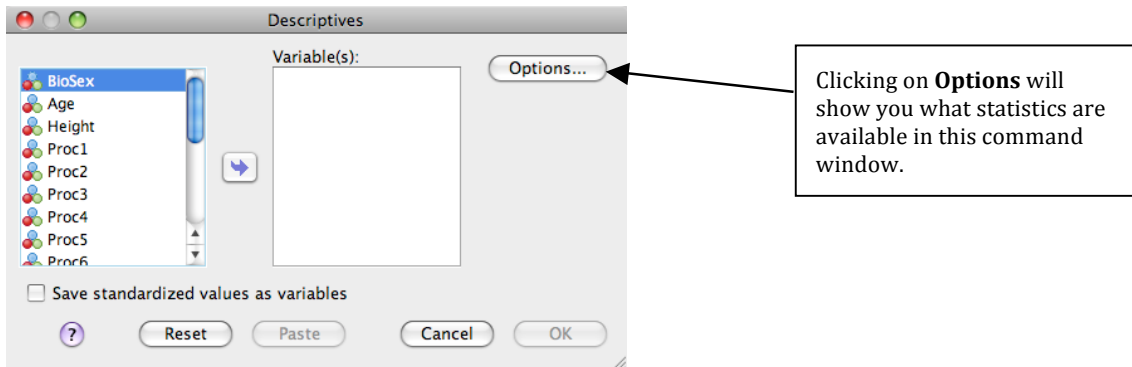
The **Display frequency tables** box gives you the option of displaying a frequency table. If you want the table to be displayed, then make sure the box is checked. If you do not want the tables displayed, then uncheck the box.



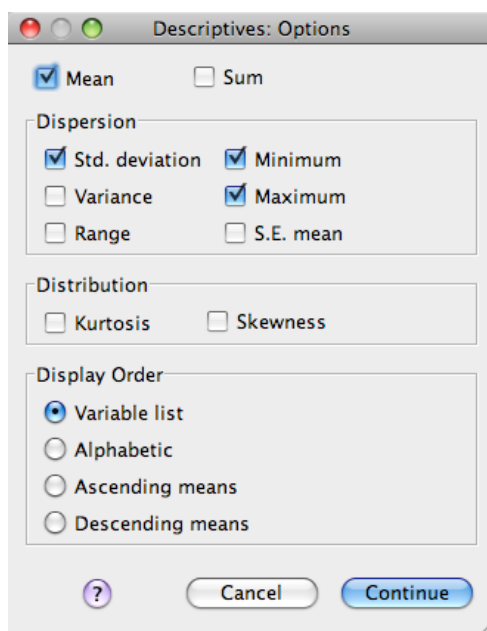
OPTION 2

[Analyze] → [Descriptive Statistics] → [Descriptives]

The following window will open:



Clicking on [Options] will reveal the following:



Notice that you don't have as many options here as in "Frequencies". Specifically, the only real option for central tendency is the Mean. However, you do have access to the most common options for Dispersion/Variability and Distribution properties.