

Psy 216, SPSS Assignment 1 -- Homework

After you've watched all 3 videos and done the in-class exercises, you may begin the SPSS homework assignment. Be sure to write this up in a word processing document. You may copy and paste information from SPSS if you wish, but do not copy superfluous information--just what's needed.

The data for these exercises have already been given to you in handouts; you will need to create a data file for each study and save it to your Novell folder for Psy 216. Name the files something meaningful and put your name at the beginning of the filename: e.g.

crutcher_sesame_street_study.sav

Part I: Using SPSS create data files for the following studies: The Sesame Street Television study, the Humorous Sentences study, and the Training Method Study. Save the files to your Novell folder for Psy 216.

yourname_MemoryExperiment.sav.

For example: *crutcher_memory_experiment.sav*. Save the file to your Novell folder so you can access it again later. You may also want to save it to your Home folder just to be sure you have it.

Part II: Perform the descriptives procedures: **Descriptives**, **Frequencies**, and **Explore** on each of your data sets. Report the following in your write up:

1. Summary Descriptive Statistics: mean, median, mode, range, standard deviation, and skewness - Use the Descriptives Procedure.
2. Frequency distribution histogram for the dependent variable -- overall histogram using the Frequencies procedure.
3. Summary descriptive statistics for each group (e.g. Watched Sesame Street group and the Did Not Watch Sesame Street Group) and a frequency distribution histogram for each group--the Explore Procedure does all of this. You may copy and paste the histograms into your writeup.

Part III: Conduct an independent groups t-test on each of the studies. Copy and paste the statistical summary for each test into your document. Write a paragraph summarizing the results of the study. Be sure to italicize the statistics (e.g. $t(10) = 7.5$ and $p = .004$) and be sure to report the p values in the proper way for SPSS-conducted analyses--i.e. report the exact p value.

IMPORTANT NOTE: Please do the above analyses separately for each study. In other words, first do all of the above for one study and then repeat for each of the other two studies.