

EXS 201 Statistics in Exercise Science
SPSS Assignment #1 due at 11:30 am on 2/22

1. Create a file in SPSS of some of the data that appear on p. 277 of your textbook. You will be using the last three columns of data for each group. This will give you 33 cases for the Control group and 30 cases for the Experimental group. Create two variables: Use a column called GROUP to categorize them as Control (1) or Experimental (2). Identify this variable as nominal. Then enter all the data in a second column you label WEIGHT.
2. Save the data to your flash drive or on Google Docs for future use in lab. The name assigned to this file is: _____
3. Execute the following in SPSS and print your output (**be sure to change it to landscape and add your name and date to the header**). Follow the printing procedures distributed in lab (or found on the class lab web site).
 - a. Copy of the data using Analyze → Reports → Case summaries. Put both variables under the Variables list.
 - b. Use EXPLORE to generate overall descriptive statistics for the 63 cases.
 - c. Use Compare Means → Means to generate descriptive statistics **for each group** including: Mean, number of cases, std deviation, sum, minimum, maximum, range, variance, SE of the mean
 - d. Use Chart Builder to create a simple bar graph of the weights (Y axis) by group (X axis). Assign a title to the graph using footnote #1 (so that it will appear below the figure). Use the chart editor to change the minimum value on the Y-axis to 150. (For extra credit, personalize the graph by editing it and changing the pattern and color of the bars and add another footnote describing in more detail what the groups represent).
 - e. If you had to run anything a couple times because it wasn't correct, please remove them from your output file. Save your output file.
4. In WORD (or any word processor), prepare a written report (about ½ - ¾ page in length) in which you describe the class data in APA format (refer to your SPSS text for samples). Be sure to include specifics from your data.
5. Staple all pages together from your SPSS printout (before coming to class) along with your description. It will likely be about 6-8 pages.

Please plan ahead. As you know printers do go down. It is suggested you print the output to a pdf file (available in some computer labs on campus, however not in PRST 1135 at this time) and then you can print it anywhere (even at home, if needed).

Turn in the printed output at the beginning of class on 2/22.