

**Description:** Students will be asked to carry-out a plan, analyze data for, and write up results to demonstrate how to organize, summarize data, interpret. At the same time, communicate their findings. The project emphasis will be on four issues: (1) generating a question answered using statistics, (2) deciding on the appropriate statistical technique to be used, (3) using SPSS to conduct the statistical analyses, and (4) writing up and interpreting the results using correct APA style.

**Directions:** Pick a topic of interest to you within psychology. Within that topic, ask a research question and hypothesis. Using your question and the provided simulated (not real) data, determine which variables code what variables (hint: descriptive analyses can help you determine this!). Then, determine an appropriate analytic plan and use SPSS to conduct the appropriate analyses. You are expected to conduct at least three different descriptive analyses and at least two different inferential analyses. Finally, write up your research question, hypotheses, description of used variables. analytic plan, and interpretation of your results (what the numbers mean) using APA style. Include (and describe) all relevant tables and at least two graphs.

**Simulated Data:** See the **SPSS Project Module** (.sav is for SPSS; other formats provided in case it does not work)

**Additional Resources:** See the **SPSS Project Module**

**APA Style:** <https://apastyle.apa.org/style-grammar-guidelines/paper-format>

**Your final submission must be a Microsoft Word file (.doc or .docx).** Other file formats (including, but not limited to: photographs, screenshots, Apple Pages documents, other file formats) will not be accepted and will result in a zero (0) on this assignment with no opportunities to make it up. If you do not have access to Microsoft Word, Google Drive allows documents prepared in it to be downloaded in the proper format. However, I strongly recommend obtaining Microsoft Office for your use in other classes.

SPSS Project Rubric					
Criteria	Ratings				Pts
<p>Research Question &amp; Hypothesis</p> <p>Research question and research hypothesis are appropriate, relevant to psychology, and properly written.</p>	10 pts Excellent	7 pts Good	3 pts Fair	0 pts Missing	10 pts
<p>List of Variables</p> <p>Variables from the simulated data set are renamed as relevant variables for the project. A list of them is provided including (1) the original variable name, (2) the new variable name, (3) a description of what the variable now represents, (4) how the variable is theoretically scored / measured, and (5) a description of the scale of measurement of the variable.</p>	10 pts Excellent	7 pts Good	3 pts Fair	0 pts Missing	10 pts
<p>Analytic Plan</p> <p>A paragraph describing the planned analyses and rationale for them is provided. Analyses include at least three descriptive analyses and at least two inferential analyses, appropriately chosen. Statistical hypotheses are provided.</p>	25 pts Excellent	17 pts Good	8 pts Fair	0 pts Missing	25 pts
<p>Interpretation of Results</p> <p>At least one paragraph reporting and interpreting the results is provided. All relevant results must be reported and interpreted to describe what the number means in terms of the topic examined.</p>	25 pts Excellent	17 pts Good	8 pts Fair	0 pts Missing	25 pts
<p>Tables &amp; Graphs</p> <p>All relevant tables are included along with at least two graphs. Each table and graph is accompanied by a caption at least one full sentence in length interpreting what the figure means and why it is useful.</p>	20 pts Excellent	14 pts Good	6 pts Fair	0 pts Missing	20 pts
<p>Grammar &amp; Formatting</p> <p>Proper grammar and formatting is used. APA Style is followed for how the paper is formatted and reported.</p>	10 pts Excellent	7 pts Good	3 pts Fair	0 pts Missing	10 pts
					Total Points: 100