

*PSYC*6060 Assignment #4: Multiple Regression*

This assignment will be marked out of 40 and then converted to a mark out of 10 (i.e., the assignment is worth 10% of your final mark). You may consult with your fellow classmates but please ensure that all of your work is your own. Plagiarism will not be tolerated. Please hand in all relevant output. Please be *brief* in your write-up (think of your TA). Download the assignment #4 data file. The data file was constructed by your instructor. Here is a fictitious account of how the data were obtained:

Two hundred people were surveyed on five variables: (a) Personal Happiness; (b) Socioeconomic Status; (c) Relationship Satisfaction; (d) Sense of Humor; and (e) Physical Health. All variables were measured on reliable and valid continuous scales and higher numbers always mean more of the quality in question.

Researchers were interested in accounting for variance in Personal Happiness. In particular, they wished to demonstrate that Sense of Humor and Physical Health can account for variance in Personal Happiness over and above that accounted for by Socioeconomic Status and Relationship Satisfaction.

Your job is to conduct appropriate analyses and report the analyses in a “Results and Discussion” section. A results and discussion section has conclusions stated in sentences that are supported by reference to obtained results. You may wish to look to the literature for examples of Results and Discussion sections. Your Results and Discussion section will probably be *slightly* longer than is typically found in an article, though, because you may want to *briefly* report on aspects of EDA and/or alternative analyses (i.e., a sentence or two, perhaps in a footnote).

You will be graded on the following three criteria:

1. Your ability to conduct the appropriate analyses, as evidenced in your write-up and attached output. (20 points)
2. Your ability to report the results of analyses in APA style (including any use of tables). (10 points)
3. Your ability to state conclusions that are properly justified. (10 points)