

## *PSYC\*6060 Assignment #2: One Way ANOVA*

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 #2 data file. The data file was constructed by your instructor. Here is a fictitious account of how the data were obtained:

To hasten a victorious invasion of Earth, the dominant power on the planet Xeno (in the solar system Phobe) abducted and brain-wiped 100 humans so that various “cover stories” could be tested. The best cover story (or cover stories) would be broadcast to Earth ahead of the invasion. The humans were randomly assigned to one of four experimental conditions (25 per condition). Participants in the control condition received no message. Participants in the “Friends” condition watched a “We Are Your Friends” video. Participants in the “Friends, Protection” condition watched a video that showed the Xenons as friends who would protect them from other ostensibly aggressive alien species. Participants in the “With Us or Against Us” condition saw a video that informed them that the Xenons were engaged in an intense war with the Bogey People and that they would need to join or be regarded as the enemy. The Xenons measured the humans’ receptivity to the messages on a 1 to 10 scale, where higher numbers meant more favourable responding.

Your job is to conduct appropriate analyses (including EDA) 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 longer and more involved than is typically found in an article, though, because you may want to report on aspects of EDA and/or alternative analyses.

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)