*PSYC*6060 Assignment #1: EDA*

This assignment will be marked out of 33 and then converted to a mark out of 10 (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. Responses to questions must be *brief* (think of your TA).

Download the assignment #1 data file. Next, import the data file into SPSS using the data import wizard. There is one independent variable (iv1) and two dependent variables (dv1, dv2).

1. (4 points). Take a moment to informally assess the nature of the variables and, based on that assessment, come up with variable labels for the variables. Give a brief explanation for each label. Be creative.

You will answer questions 2 through 4 for each dependent variable in turn.

2. (4 points per dependent variable). Conduct an EDA of the dependent variable while ignoring status on the independent variable. What do you conclude about the nature of the dependent variable?

3. (4 points per dependent variable). Conduct an EDA of the dependent variable while taking into account status on the independent variable. How has your understanding of the dependent variable changed based on what you learned? In other words, what is "really" going on in the data set?

4. (4 points per dependent variable) If you were to conduct a statistical test in which you compared people based on the independent variable, what transformations (if any) would you contemplate performing? Explain your answer

5. (5 points). I generated this data using the various random number generation functions in SPSS (e.g., "rv.norm"). Look under "Transform" and then "Compute" for the functions. Right click on the functions to learn more about them. Generate your own variable with an interesting property and use EDA to document that property. Also, report the formula(s) that you used to generate the data.