SAS Project

1. Pick a question that you would like to have answered. It must have at least two continuous quantitative variables and two categorical variables in order to answer it, where you believe one quantitative variable affects the other quantitative variable (you can choose more than one variable that affects a particular variable, but this is not required).
2. Create a survey that you will administer. Have questions in your survey that will allow you to collect data on the two or more quantitative and two or more categorical variables.
3. You will have to turn in a clean copy of your survey in a word document or pdf.
4. Gather your data. You need **at least** 30 in your sample.
5. Do an analysis on the data – PROC MEANS or PROC UNIVARIATE and speak to the center and spread of your quantitative data (remember the shape of distribution dictates which measure you should use, so you will want to do a probability plot and a boxplot).
6. Make a table for your categorical variables.
7. Do a brief write up of what you found. Giving the appropriate measures of spread and center for your quantitative variables and the frequency/percent of the categorical variable.

> For Example:
>
> The average height of the chemistry majors was 58.3 inches with a standard deviation of 4.5inches. The boxplot showed that …The distribution seems to be normal based on …
>
> There were 15 that had green eyes and brown hair, …

You will have to turn in (**_in this order_** or points will be taken off):

1. The write up of your pertinent results (40% of grade).
2. Copy of your survey (10% of grade).
3. All SAS code and output (50% of grade).