**STAT 603 – Statistical Methods**

**SAS – Project 1**

**Due by: Sunday, Oct. 02nd – D2L Dropbox**

**1.**

The data is provided in an excel file (as well as in a .cvs file) named babyboom. The data descriptions are given in a pdf file named baby.pdf. Use SAS to do the following descriptive analysis. First you need to import the data file (excel or the .csv) into SAS. Instructions are given in the file “ How to Import a data file into SAS” file uploaded on to D2L.

1. Generate a bar graph and a pie-chart for the categorical variable ‘Sex’. Cut and paste your graphs to a word document. What do you observe?
2. Create a histogram and a box plot for the quantitative variable ‘Weight’ Cut and paste your graphs to a word document. What do you observe?
3. Find the descriptive statistics, Mean, Median, Min, Max, Q1, Q3, Variance, and Standard Deviation. Write a small paragraph discussing the descriptive statistics.
4. Attach your SAS code at the end of the document.

**2.**

The data is provided in an excel file named calcium. The data descriptions are given in the pdf file named calcium.pdf. Use SAS to do a **complete descriptive analysis**. Think like an investigator/analyst when working on this dataset. I am not giving step-by-step instructions for this assignment because when you are employed and given a dataset you are not going to get step-by-step instructions as to what to do. Make sure you comment on your observations and discuss your results where appropriate. Attach your SAS code at the end of the document.