Week 1 Assignment
Due 15:30 pm Central, Wednesday, Jan 23

Note: Late homework assignments are not accepted because the solutions are discussed at the start of every class on Tuesday. Your solution to this assignment must be uploaded on eCampus as a PDF file. A common approach is to put the solution into a word document and then save that into a PDF file. Please only submit PDF files.

Assignment: After installing SAS Enterprise Miner and Anaconda/Python on your computer, download the data file for this assignment located in the Week 1 folder on eCampus.

Data File: sonar_hw1.csv

Part 1: Create a SAS EM project names "Week 1 Homework". In that project read this data file for this assignment. Prepare a diagram to report the number of missing values for each frequency (R1-R60), the minimum value and maximum value for each frequency, and the median. Also report any outliers. An outlier would be a sonar value less than zero or greater than 1. All sonar frequency returns, R1-R60, have values between 0 and 1.

Part 2: Do the same assignment as Part 1 using Python.

Submit a pdf file containing the following:

Part 1:

1. A screen shot of your project window
2. A screen shot of the table(s) describing the number of outliers, minimum, maximum, median for each frequency.

Part 2:

1. A copy of your python program
2. A table(s) describing the number of outliers, minimum, maximum and median for each frequency created by your python program

In order to receive full credit, please ensure all screen shots, code and tables are readable.