Homework 00

In order to address homework 00 efficiently, I first decided to make the resulting file, that is the *HW_00_NR_Trained.py* executable file. I first finished the preprocessing of the CSV file in order to get the required output. In order to present the required output, I assumed that the header line would be having a constant string 'HeaderForCol' in order to differentiate its row from the entire data set. Since the final result from the CSV file would give out the number of rows and columns, I kept track of the first line to extrapolate the number of columns and assumed that it would be the total number of columns for the entire CSV file.

I created a file called *mock.py* where the entire Trained code had been written. After doing this, I created a general file called *program_reader_writer.py* that would read in a file and then write the '*.write()*' method call for all the lines of that file and store each of those lines in another file. The result from this file was stored in the *HW_00_Raina_Nikhil_Mentor.py*. Since this file is an executable, I simply ran that file and then the exact same code, which was in the *mock.py* file was replicated in the *HW_00_NR_Trained.py* giving the same kind of result.

One main problem I found with this homework was working with the directories and to ensure that the correct file would be taken without giving the entire file path name.

Overall, I enjoyed this homework as it allowed me to create an interesting read and write file and gave me a new perspective of how 'mentor and trained' programs work or how they are created. Well, I am sure that there would be much more than what meets the eye, but I have gotten excited for this.