Homework Assignment #3

Description: Along with this description is a file named – student-mat.csv. It is a comma delimited file of Mathematics test scores for students. It is a well known data set from the UCI Data Repository. You can open it in a spreadsheet and see all of the values about the students in the experiment. From previous assignments you should know how to load a column of data into a list in Python. If you do not contact the instructor.

We are very interested in some of the data elements in this data set.

- **Medu** stands for Mother's Educational level. It has values 1 to 4.
- **absences** is the number of days that the student was absent
- **famrel** is a score from 1 to 5 related to the quality of family relationships (1 is the lowest, 5 highest)
- **G3** is their grade on the final mathematics exam. It ranges from 1 to 20.

Your assignment is as follows:

1. Create a histogram for each of the data elements.
2. Visually look at the histogram and determine what distribution is it. Only select distributions that we have covered in the class. You do not need to indicate parameter values for the distribution. Another words, if you say that one is the Exponential Distribution, you do not need to say what value lambda is. Exponential Distribution is enough.

Include your histograms and distributions in a Word document.

Due: The end of week 8.