Lab 3

This lab is divided into 2 parts namely:

1. Data Science
    1.1 Initial data exploration
    1.2 Data Visualization
    1.3 Feature Selection
2. Machine Learning Models
    2.1 Supervised Learning: Linear Regression
    2.2 Supervised Learning: KNN for classification
    2.3 Unsupervised Learning: K-means clustering

    3. Independent Work (Extra Credit)

Jupyter Notebook:

Jupyter notebook is provided to you to run all the cells and show the output of each cell. Besides this, the following questions require your answer in the notebook/pdf document: 1.1, 1.2, 1.3, 2.1, 2.2, 2.3.

What to Submit:

1. Jupyter file with your name
2. Answers in pdf documents wherever applicable

Rubric:

Task	Points
1.1	10
1.2	10
1.3	20
2.1	20
2.2	20
2.3	20