Project Week 2- Regression Models

1) Restaurant Revenue Prediction

1) Download the datasets (train and test) from the following link - https://www.kaggle.com/c/restaurant-revenue-prediction/data
2) Do the necessary data preprocessing steps if required
3) Implement the all the 5 regression models separately on the data set
4) Compute the mean squared error on the predicted data with the test set for each of the models
5) Specific to Random Forest Algorithm -
    a. Find the importance of each of the features and visualize them
    b. Build a new model by only taking the most important metrics
    c. Compare the results of both the models

2) House Price Prediction

1) Download the datasets (train and test) from the following link – https://www.kaggle.com/c/house-prices-advanced-regression-techniques/leaderboard
2) Do the necessary data preprocessing steps if required
3) Implement the all the 5 regression models separately on the data set
4) Compute the mean squared error on the predicted data with the test set for each of the models
5) Specific to Random Forest Algorithm -
    a. Find the importance of each of the features and visualize them
    b. Build a new model by only taking the most important metrics
    c. Compare the results of both the models
6) Submit your predicted values as a CSV file on Kaggle (you can view a sample submission of this competition as a reference for getting a better idea)