Capstone Project - The Battle of the Neighborhoods – Predicting House Value
Coursera / Applied Data Science Capstone by IBM Foursquare

Note for the Peer Reviewer:

Because the Foursquare developer account is currently unavailable in the country I'm located (even though I contacted the Foursquare company), I can't access the Foursquare location data for this project.

Thus I have to use other kinds of data and technologies for the project instead.

Introduction: Business Problem

1.1 Background

House prices affect the life of most people. Therefore, it is beneficial to accurately predict house prices. Many factors can cause house prices to rise or fall. In order to accurately predict house prices, data has to be collected, impacting factors need to be determined, and appropriate models should be developed.

In this project, Boston house prices dataset is analyzed with machine learning algorithms to predict the value of houses.

1.2 Problem

This project aims to predict the value of houses. Factors (features) that might contribute to determining the value of houses might include per capita crime rate by town, proportion of residential land zoned, nitric oxides concentration, average number of rooms per dwelling,index of accessibility to radial highways, etc. Feature selection need to be conducted, and preditcting models are to be developed and evaluated.

1.3 Interest

Buyers and sellers of houses, whether ordinary residents or organizations, would be interested in predict the value of houses.