IBM Data Science Capstone Project Report

Problem Description:

We want to create a map that recommends similar neighbourhoods to people in New York city based on where they currently live in case they need to move.

New York City is one of the most unaffordable cities on earth. Owning a home in the city is nothing but a far beyond dream for the majority of people in the city. The average homeownership rate of the city is just 33% (as of 2018). Because of this most people rent, which makes it more likely for them to have to move at some point in their lives. I would like to make this process easier by implementing a recomender system which tells the person moving which neighbourhoods are similar to the one where he lives based on data about venues nearby.

Data:

- For this project we are going to need data about the neighbourhoods in NY, which can be found here:
    - https://en.wikipedia.org/wiki/Neighborhoods_in_New_York_City

- We are also going to be using data from the FoursQuare API in order to gather venue data for each one of the neighbourhoods.

- In addition to this we will use google's Map API to geocode our neighbourhoods into Latitude and Longitude coordinates for the use of the FourSquare API.