Capstone Project – The Battle of Neighborhoods – Week [1]

Introduction

Background

In an average month in the UK, around 100,000 households will move into a new home. In January 2017, more people moved than any month since March the previous year. Each year, approximately 4-5% of the population will move to a different city or county in the UK. London has the most movements as it is increasing in population density. On a yearly basis, nearly 200,000 people move from elsewhere in the UK to live in London, while only 25,000 move the opposite way.

So, this raising lots of questions: What is the most factor influences people to move? Is it safety, desire, Work location, the neighborhood itself or something else?

Problem

The crime statistics dataset of London found on Kaggle has crimes in each Boroughs of London from 2008 to 2016. The year 2016 being the latest we will be considering the data of that year which is actually old information as of now. The crime rates in each borough may have changed over time.

This project aims to select the safest borough in London based on the total crimes, explore the neighborhoods of that borough to find the 10 most common venues in each neighborhood and finally cluster the neighborhoods using k-mean clustering.

Interest

Expats who are considering to relocate to London will be interested to identify the safest borough in London and explore its neighborhoods and common venues around each neighborhood.