

Capstone Project - The Battle of Neighbourhoods Report (Week 1)

1. Introduction

1.1 Background

The average UK citizen moves about four times in their lifetime. The common question we asked is whether people move until they find a place to settle down where they truly feel happy? Or the opposite happen, that we move to a new area without knowing exactly what we are moving into.

In order to minimize the chances of moving to the places that we do not like, we should always conduct our due diligence like doing research when planning our next move in to another location or even country.

Safety should be the critical evaluation criteria when moving to a new location or country - no one will enjoy living when he or she does not feel safe at their home.

1.2 Problem

The crime statistics dataset of London (from Kaggle) has crimes in each Boroughs of London. The data range is from 2008 to 2016.

This project has 3 main steps:

- to select the borough in London which is safest, based on the total crimes each borough;
- explore the neighbourhoods of that borough to find the 10 most common location/venues in each neighbourhood;
- and perform clustering of the neighbourhoods using k-mean clustering.

1.3 Interest

This project finding can be also used by expats who are considering to relocate to London because they will also be interested to identify the safest borough in London and explore its neighbourhoods.