

1. Introduction

1.1 Background

The average American moves about eleven times in their lifetime. This brings us to the question: Do people move until they find a place to settle down where they truly feel happy, or do our wants and needs change over time, prompting us to eventually leave a town we once called home for a new area that will bring us satisfaction in terms of career or retirement?

To minimize the chances of this happening, we should always do proper research when planning our next move in life. Consider the following factors when picking a new place to live so you don't end up wasting your valuable time and money, making a move you will end up regretting. Safety is a top concern when moving to a new area. If you don't feel safe in your own home, you're not going to be able to enjoy living there.

For this problem, I assume the client is considering a move to London, and so I am choosing it as the case study for this problem.

1.2 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 very 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. By doing this, it gives a focus area where someone can relocate to.

1.3 Interest

Expats who are considering relocation to London will be interested to identify the safest borough in London and explore its neighborhoods and common venues around each neighborhood. This way, they can focus their research more on costs of housing in the area, schools, facilities offered etc.