

1. INTRODUCTION

1.1 Background

With globalization more and more people are migrating from one country to another for green pasture. Due recent change in immigration policy by USA, there is spurt in immigration from India to London. Even though, new country offers lots of economic, social benefits along with great career opportunities, settling into new place is challenging decision, as one do not know, what that place is going to be, how will be locality from safety point of view, whether all amenities will be there or not etc.

To minimize the chances of this happening, one 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 do not end up wasting your valuable time and money making a move one will end up regretting. Safety is a top concern when moving to a new area. If one does not feel safe in your own home, you are not going to be able to enjoy living there.

1.2 Problem

A local Immigration consulting firm, which assist Students and Immigrants relocate to various countries, seeking my expertise to assist their client to identify the best Borough/Neighborhood to settle in London.

This report will be targeted to people who are looking to relocate to London. To finalize a neighborhood to hunt for an apartment, safety is considered as a top concern when moving to a new place. If one does not feel safe in own home, he/she is not going to be able to enjoy living there. The crime statistics will provide an insight into this issue.

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.

We will focus on the safest borough and explore its neighborhoods and the 10 most common venues in each neighborhood so that the best neighborhood suited to an individual's needs can be selected.

The crime statistics dataset of London was 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 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, then explore the neighborhoods of that borough, using FOURSQUARE API, to find the 10 most common venues in each neighborhood and finally cluster the neighborhoods using k-mean clustering.