Capstone Project - The Battle of Neighborhoods Report  
1. Introduction

* 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? Or, do we too often move to  
a new area without knowing exactly what we’re getting into, forcing us to turn tail and run at  
the first sign of discomfort?  
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’ll 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.

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 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.

1.3 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.