# 1. <u>Introduction</u>

## 1.1 Background

The people will relocate to different places as and when they change jobs or their business. The average American relocate around 11 times in their lifetime. When people need to relocate, they search for lot of information about locations in the city and different types of venues in nearby to the location.

As relocation is a tidy, expensive and most difficult task, people will not take a chance by relocate first and check for safety and venues nearby. People will look for the information whether the place is good in terms of safety and venues nearby.

## 1.2 Problem

The crime statistics dataset of Denver on Kaggle has crimes in each Neighborhood of Denver from 2016 to 2019. We will consider the year 2019 which is latest for this analysis.

This project aims to identify the safest cluster in Denver based on total crimes in the neighborhoods, nearby venues including 10 most common venues in each neighborhood. And finally Cluster the venues & neighborhoods using k-mean clustering.

## 1.3 Interest

This will help the people who are interested in relocating to Denver in identifying the safest Neighborhood and explore nearest venues for each of the Neighborhoods.