

1. Introduction

1.1 Background

Each year, roughly 40 million Americans, or about 14 percent of the U.S. population, move at least once [1]. Young people want to move to location with better job opportunity while elders may want to move to location with warm climate. But there are many aspects that will affect living experience in a new city. And people also have their own life style. The new city is not always as we expected. To help people to make moving decision, it is important to help them find out if the living experience matches their own life style, which means helping people "see" the new city before they actually sell their stuff, pack their furniture and drive thousands miles there.

1.2 Problem

People like to compare current living cities to the perspective one. The problem is how the city will affect the daily life. Of course, people's preference could include weather, population and future living expense, which can be found easily with google. Another question cannot be easily answered is how the city looks like in terms of density of food shops or other types of store your preferred and distribution of stores or other types of venues over the whole city. This question is actually affecting your daily life. For example, Italian food lover moved to a city with barely any Italian Restaurant and each of them is 20mils apart, which is the exact scenario I am helping people to avoid with city venue investigation in this report. With limited access data and available time, I redefine the problem to comparing venue distribution between two biggest cities in USA, New York and Houston.

1.3 Interest

There are millions of people moving every week, and millions small business starting every week. This report can help them with understanding the cities they are going to live and work in. It can save people's money by avoiding decision mistake.

[1]<https://www.usatoday.com/story/money/economy/2018/07/05/cities-americans-growing-population-migration/35801343/>