Neighborhood Analysis

1. Introduction/Business Problem

If someone is looking to open a restaurant, where would you recommend that they open it? Similarly, if a contractor is trying to start their own business, where would you recommend that they setup their office?

Introduction

New York and Los Angeles are the two most important metro cities and the financial centers of their respective country in United States. So, there is a competition among the cities as in which city a person wants to migrate to or open a business or invest in properties. In the case of this project, we will look in which city, or neighborhood in the city in particular, we would recommend opening a Chinese restaurant. We will analyze the neighborhoods in each of these two cities and present the neighborhoods in grouping of similar attractions and existing types of restaurants. We will present our findings in each city and what they have to support our recommendation of the area against other neighborhoods and its city counterpart.

2. Data Acquisition and Cleaning

The data acquired for this project are from two resources:

- Neighborhoods in the cities New York and Los Angeles and the coordinates are acquired from wikipedia
- Popular venues in the cities are extracted using Foursquare API.

Data area acquired using beautifulsoup into and cleaned using python to get the data in desired format. Data from the two sources are then combined into a data frame for exploratory analysis.