Clustering the Neighborhoods in Los Angeles

Tunan Jia August 31, 2020

Introduction

Los Angeles is a great city with different district, each district is filled with venues classified by categories, such as university, shops, food and event. Those general categories for venues are the first insights for new arrivers who are considering to either purchase houses or live for working, studying, or simply for visiting.

We will use this projection data and foursquare API for following analysis:

1. Classifying neighborhoods are highly developed, downtown and underdeveloped.

2. Classifying neighborhoods by the venue's frequencies, understanding the venues to distinguish each neighborhood.

3. Recommend places for people with searching purposes.

Data

We need data from reliable sources for analysis.

1.districts in Los Angeles, from

https://en.wikipedia.org/wiki/Category:Neighborhoods_in_Los_Angeles

2. Latitude and Longitude of each neighborhood is retrieved using Geocode from Geopy library of python

3. Foursquare Developers Access to venue data: http://foursqaure.com/