Capstone for Foursquare

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December 13, 2019

1 Introduction

I hope to build a simple recommender for Neighbourhoods for locations in Berkeley similar to Singapore. It should take in data about how Singapore looks like and return neighbourhoods in Berkeley that fits the bill.This information will contain features like area density and trending locations in Singapore to make locations in Berkeley feel just like Singapore. The trending locations data will be taken from foursquare places API. It will also contain average cost of living and pop density.

This project will be used so that I will be able to find a place to live in at Berkeley that is affordable and feels just like home.

2 Data

2.1 Singapore

I will be using `data.gov.sg` for housing price data in Singapore.

2.2 foursquare

I will then be using foursquare api for trending data especially for the food data.

2.3 Wikipedia

I will be using demographics data from wikipedia. This will allow me to access the demographics of an area and make it as similar to Singapore as possible

2.4 Openstreet

I will also be downloading data about places using Openstreet Maps via the use of overpass focusing on parks,restaurants and supermarkets.

2.5 Berkeley

I will also be using data from `http://aakashjapi.com/housing-prices-in-berkeley/` from data for Berkeley housing prices

2.6 Geocoder

Geocoder allows me to get latitude and longitude data for locations to plot on a map and visualize the project.