Data Analysis for starting a new restaurant in California.

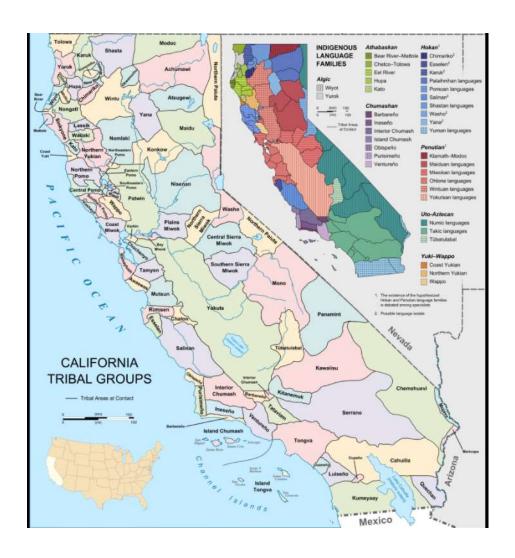
Capstone Project - The Battle of Neighborhoods IBM Applied Data Science Capstone

Varun Kumar Anand

30-Dec-2020

Introduction

- California is a state in the Pacific Region of the United States of America.
- California is the most populous U.S. state and the third-largest by area, and is also the world's thirty-fourth most populous subnational entity.
- California's economy, with a gross state product of \$3.0 trillion, is the largest subnational economy in the world.
- California integrates foods, languages, and traditions from other areas across the country and around the globe.
- California's agriculture industry has the highest output of any U.S. state.



Problem

To start a new Restaurant in California which is more likely to give a good business.

Data

- Neighborhood of California
 - California demographics by Cubit.

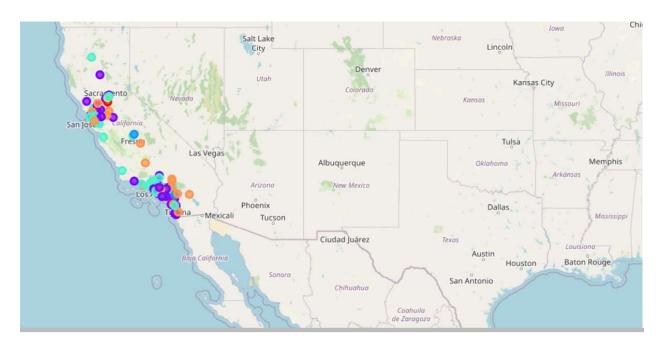
https://www.california-demographics.com/cities by population

- Geographical coordinates of neighborhood Using Geopy Library
- Venue Data from Foursquare API

Methodology

- Feature Extraction one Hot encoding
- Unsupervised Learning K-Means Clustering
- Plotting Folium

Results



Visualization of clusters