

Capstone Project – Neighborhood for Restaurants

Introduction:

A chef wants to open his own restaurant in the city of San Francisco. Indian cuisine is his forte. He wants to find a neighborhood with restaurants around indicating there is customer volume. The chef also wants to make sure there are not many Indian restaurants in the area around. So that, there might be interest for a new cuisine.

The aim of this project is to identify ideal locations to open a new Indian restaurant based on restaurant volume, type of restaurants etc.

Data:

1. List of neighborhoods in San Francisco will be scraped from the following Wikipedia Page:
https://en.wikipedia.org/wiki/List_of_neighborhoods_in_San_Francisco
2. Google geocoder will be used to get the latitude and longitude for the neighborhoods.
3. Foursquare API will be used to get venue data based on latitude and longitude.
4. K-Means clustering will be used identify the ideal neighborhoods for a new Indian restaurant in San Francisco.

Methodology:

Once we have the venue data for neighborhoods in San Francisco, ideal neighborhoods for a new Indian restaurant will be identified based on volume of existing restaurants, type of restaurant cuisines available around.