Best place to Open a Restaurant in Trivandrum

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The Capstone Project – The Battle of Neighborhoods (Week 1)

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Rohan Joseph George

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1.   Introduction

1.1 Scenario and Background

I am currently living in Trivandrum which is the capital city of Kerala. The major occupation of the city dwellers is in the Information Technology Sector. While it is technically a city, the infrastructure is not suited to the urban needs of the existing tech savvy youth.

With the increasing investment in the technology sector, more and more population migrate to the city. With this in mind, there is a big opportunity to open a new restaurant for modern cuisine which is currently not present in the city.

1.2 Problem to be solved

Identify the best place to open a new restaurant for modern cuisine with the following conditions:

- High presence of similar establishments
- Most popular and trending place nearby
- Location near to important landmarks or hotspots

2.   Data Section

2.1 Data Requirements

The following data are required to effectively solve the above given problem:

-Data for various taluks of village under Trivandrum Corporation

-List of neighborhoods with clustered venues established

-List of establishments in each neighborhood

-Ranking of trendiness of different establishments

-Identification of population hotspots

2.2 Data Sources, Data Processing and Tools used

-The various taluks can be obtained from http://www.corporationoftrivandrum.in/taluks-villages

-Data of the establishments can be obtained using Kerala State Spatial Data Infrastructure http://ksdi.kerala.gov.in/ksdi/

-Trivandrum map can be created using Nominatim, Foursquare and Folium Mapping

-Folium map is the basis for obtaining various features to consolidate all data in one map to visual all the required details

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