

Capstone Project- The Battle of Neighbourhoods

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE

Data Sources

To get location and other information about various venues in Mumbai, I have used two APIs and decided to proceed with a combined data from them together.

Using the Foursquare's explore API (which gives venues recommendations), I fetched venues up to a range of 15 kilometers from Mumbai International Airport, given the fact that it's huge city and most of North Mumbai is essentially residential, and collected their names, categories and locations (latitude and longitude).

Using the name, latitude and longitude values, I will use the Zomato search API to fetch venues from its database. This API allows to find venues based on search criteria (usually the name), latitude and longitude values and more.

From Foursquare API ([https:// https://foursquare.com/developers/apps](https://foursquare.com/developers/apps)), I retrieved the following for each venue:

- Name: The name of the venue.
- Category: The category type as defined by the API.
- Latitude: The latitude value of the venue.
- Longitude: The longitude value of the venue.

From Zomato API (<https://developers.zomato.com/api>), I retrieved the following for each venue:

- Name: The name of the venue.
- Address: The complete address of the venue.
- Rating: The ratings as provided by many users.
- Price range: The price range the venue belongs to as defined by Zomato.
- Price for two: The average cost for two people dining at the place.
- Latitude: The latitude value of the venue.
- Longitude: The longitude value of the venue

This data will be cleaned and analysed.