

## Data description

To solve this problem, we extracted data from,

1. Google maps: Used to extract the geographical coordinates (latitude & longitude) of cities Bangalore & Hyderabad.
2. Foursquare API: Used to extract the venue data centered around the cities Bangalore & Hyderabad.

The Venue data includes, venue name, id, categories, location coordinates, rating, address, Like count, ratingSignals, tip count. Exploratory data analysis would be performed on Venue data to find out how venue categories such as Restaurants, bars, pubs, shopping malls, hotels, historical places etc are spread across the city within specified radius. From this data best venue categories would be identified & clustered using K-means clustered. Some visitors are Foodie, so we recommend a best city based on the number of Restaurants, their rating, user likes etc. Some visitors may like shopping , so we recommend a city which is best for shopping based on the number of shopping malls & their rating. Some visitors may like to visit historical places like monuments, rivers, museums, so we recommend a city based on the number of historical places available & their rating. Like the best can be recommended based on visitors interests. This analyzed data can be used to build recommended systems for chosen cities.