

1. Data

1.1 Data requirement

Based on our business problem, we need following data:

- a) Identify top 5 locations for Colleges, Hospitals, Government buildings, Factories and Schools in Mangalore.
- b) For each such location, identify the existing restaurants within 200meter radius.
- c) Analyze the obtained data to identify the optimal location

1.2 Data source

Following data sources will be needed to get the required information:

- a) Coordinates of Mangalore city center is obtained from **Google Maps**
- b) **Foursquare API** is used to get the top 5 locations for Colleges, Hospitals, Government buildings, Factories and Scholls. Also to get the nearby restaurants for each such location.
- c) To get the latitude and longitude based on the address, we use **Geopy Nominatim**