Data Section

Data Acquisition:

- The data acquired for this project are from two resources:

  1. https://ahmedabadcity.gov.in/portal/jsp/Static_pages/amc_zone_list.jsp
  2. https://www.kaggle.com/meemr5/zomato-ahmedabad-gandhinagar-restaurants-eda/data
     OR

  2. Using **Zomato API** Data for each restaurant will be fetched.

- The Neighborhoods of Ahmedabad City is acquired from first resource i.e. ahmedabadcity.gov
- Restaurants data is acquired from second resource as csv file obtained from a Kaggle website. Or this data can also be obtained using Zomato API.

Neighborhoods:

- Data is scraped using Beautiful Soup Library in python.
- Dataset contains following columns:
  1. Zone Name
  2. Ward(neighborhood) No
  3. Ward Name
  4. Ward Office Address
- The Neighborhoods of Ahmedabad City is divided into six zones:
  1. East
  2. West
  3. New West
  4. North
  5. South
  6. Center
- Neighborhoods are defined based on above mentioned zones.

Restaurants:

- The data obtained from CSV file majorly contains:
  1. Name of Restaurant
  2. Locality of Restaurant
  3. Average cost for two people
  4. Aggregate rating
  5. Rating in text

Use of Foursquare API:

- To obtain Venues of neighborhood of the city.
- These obtained venues will be filtered by category.

Data Cleaning:

- Based on Latitude and Longitude obtained Neighborhoods and Restaurants data will be merged.
- Cluster will be formed based on category of venue
- Ten most preferred restaurants will be obtained for each neighborhood.