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.