**Data**

**Dataset 1 : Cities and State list along with Population**

|  |  |  |
| --- | --- | --- |
| Name of City | State | Population (2011) |
| Mumbai | Maharashtra | 1,35,97,924 |
| Delhi | Delhi | 1,10,07,835 |
| Bengaluru | Karnataka | 84,25,970 |
| Ahmedabad | Gujarat | 72,08,200 |

* **Sample Data:**
* **Usage:**
  + We will group the data based on the states and will find the total and mean population of all states. We will plot graphs and Maps and will find interesting facts.
* **Source:**
  + <https://www.downloadexcelfiles.com/wo_en/download-excel-file-list-cities-towns-india#.Xv23ZCgzY2w>

**Dataset 2: Latitude and Longitudes of the cities:**

* **Sample Data:**

|  |  |
| --- | --- |
| Latitude | Longitude |
| 10.2188344 | 92.5771329 |
| 15.9240905 | 80.1863809 |
| 27.6891712 | 96.4597226 |
| 26.4073841 | 93.2551303 |

* **Usage:**
  + We will merge both the data frames for further analysis.
* **Source:**
  + Google Geopy Package has been used for determining the latitudes and longitudes of different states and cities.

**Dataset 3: Foursquare API data**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | City | State | Population | Latitude | Longitude | 1st Most Common Venue | 2nd Most Common Venue | 3rd Most Common Venue | 4th Most Common Venue | 5th Most Common Venue |
| 0 | Mumbai | Maharashtra | 13597924 | 18.9387711 | 72.8353355 | CafÃ© | Ice Cream Shop | Hotel | Indian Restaurant | Scenic Lookout |
| 1 | Delhi | Delhi | 11007835 | 28.6517178 | 77.2219388 | Indian Restaurant | Hotel | Lounge | CafÃ© | Monument / Landmark |
| 2 | Bengaluru | Karnataka | 8425970 | 12.9791198 | 77.5912997 | Hotel | Ice Cream Shop | Park | Bakery | Department Store |
| 3 | Ahmedabad | Gujarat | 7208200 | 23.0216238 | 72.5797068 | CafÃ© | Dessert Shop | Indian Restaurant | Tea Room | Multiplex |
| 4 | Hyderabad | Telangana | 6809970 | 17.38878595 | 78.46106473 | Indian Restaurant | Bakery | Ice Cream Shop | Hotel | South Indian Restaurant |

* **Sample Data:**
* **Usage:**
  + We will find data of different venues, will convert it into dataframe and draw out analysis.
* **Source:**
  + Foursquare API.