

Data

Firstly we will fetch the localities of Nagpur. We can get this localities using the Wikipedia with the help of Web Scraping. We will scrape the webpage using the BeautifulSoup library of Python. Next we will need the coordinates of each localities that we can get using Geopy library of Python. Then at last we will pass this coordinates into the FourSquare API to fetch the nearby venues of each localities.

Required Libraries

- Pandas (For data analysis & data wrangling)
- Numpy (For handling data in a vectorized manner)
- JSON (For handling JSON files)
- Geopy (For converting an address into latitude and longitude values)
- Plotly (Data Visualization)
- Folium (Map Rendering)
- Sklearn (For using Unsupervised Clustering method namely K-Means)
- BeautifulSoup (For Web Scraping data from Wikipedia)