

Trip Advisor – Explore New Places

Data

One city will be analysed in this project. Based on the city, the latitude and longitude values will be obtained by using geopy module.

The data used in this project is provided by Foursquare location data. The city's latitude and longitude values will be used to extract the venues data from Foursquare location data using explore endpoint.

From the obtained results which is a JSON file, we will filter the columns and create a table/dataframe.

Data-cleaning

From the dataframe we can get the list of unique categories in the data and decide what all categories needs to be considered based on the interest.

For example, 'Movie Theatre' might not be of interest during exploring the places.

The data can be filtered based on categories.

Feature

After cleaning the data, we would get the list of venues which would be appropriate for the project.

The features of the data should be analysed, and the unnecessary features could be removed. For our project the main feature would be the latitude and longitude values.

Using the data the venues would be grouped into different clusters.

Based on the clusters the decisions can be taken accordingly.