Best Location for Indian Residents/Visitors in Barcelona

# Data Acquisition and Cleaning

Data is mostly collected from Four-square and web scraping.

List of Neighbourhoods will be collected using web Scraping the following link:

<https://en.wikipedia.org/wiki/Category:Neighbourhoods_of_Barcelona>

For each neighbourhood, we will use Geocoder Python to get its coordinate.

Venues from Four-Square will be used. Web scraping will be used for other data which isn’t available on FourSquare.

Data will be cleaned and organized then displayed in forms understandable to basic users.

Machine learning techniques will be used to classify and segment neighbourhoods.

We will use K-Means Method here for the sake of simplicity.

This will help decide which one is most suitable for the person’s needs.

We will segment the data into different clusters for neighbourhoods which are more family friendly or suitable for bachelors.

Based on the data extracted, we will also identify the areas with good Indian restaurants in the vicinity and those areas which are overall good places to live in.