

# Capstone Project- The Battle of Neighborhoods (Week 1)

## Using Data for Solution:

(A description of the data and how it will be used to solve the problem.)

1. First *geopy* will be used to find the location (latitude and longitude) of the cities.
2. Then using *FOURSQAURE* Credentials we will get the venues near those cities.
3. We will categorize the venues in six, as shown in Figure 1.
4. We will compare the categories of the cities, as shown in Figure 2.
5. We will define the region using *kmeans* clustering, as shown in Figure 4.
6. Then one can choose the region based on ones priorities, as in Figure3.

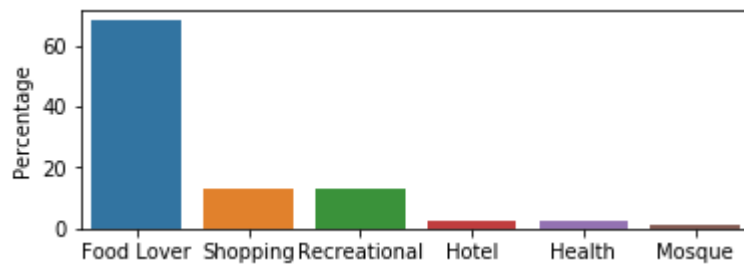


Figure 1

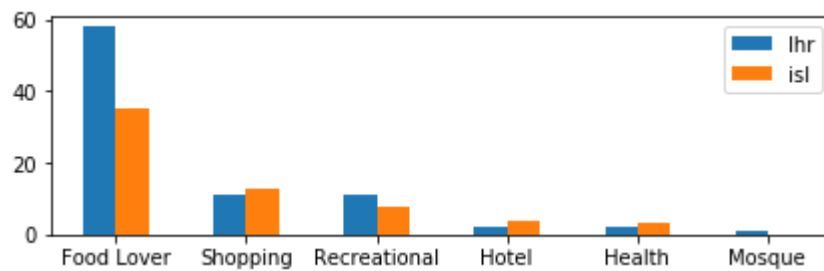


Figure 2

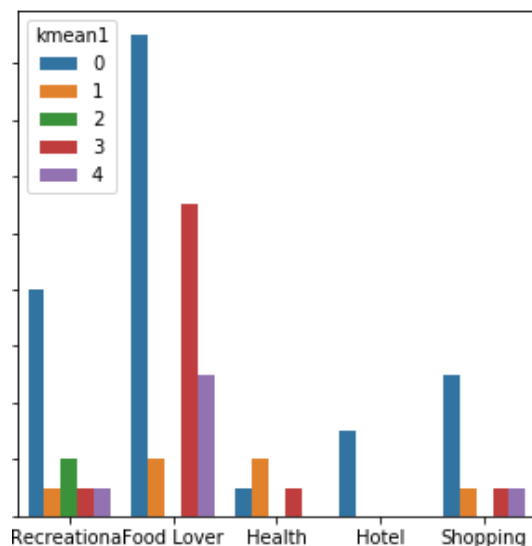


Figure 3

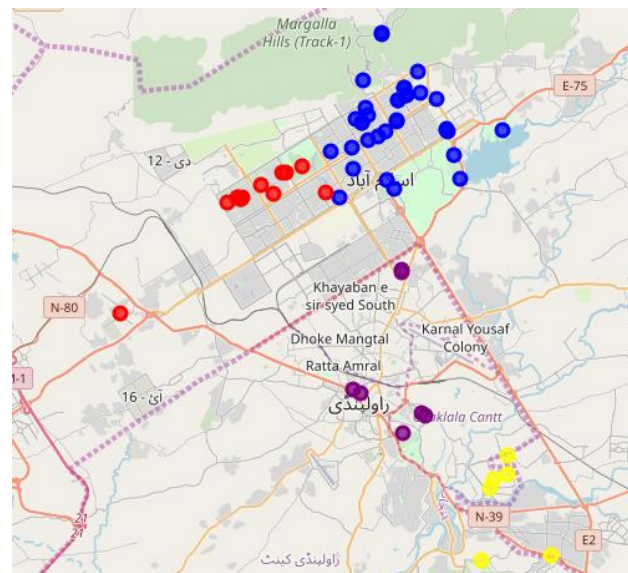


Figure 4