Capstone Project - Battling of Neighbourhoods Central Bangalore

Introduction:

Central Bangalore has 11 neighbourhoods and the places mainly used for IT outsourcing firms and military establishments, cosmopolitanism, nightlife, pubs and retail stores, flower market, Russell Market and Bangalore Cantonment railway station, Ulsoor Lake, commercial areas and luxury hotels.

Objective :

In this project, we will study in details the area classification using FourSquare

Data and Machine Learning segmentation and clustering

- To find the best location for the coffee shop with regards to the most common venues in the particular neighbourhood

Data :

The data is acquired from the Wikipedia page and Foursquare data

Methodology:

The most common venues of each neighbourhood is taken and K Means Clustering is applied based on have the range as 4 clusters. Each cluster is analysed and the best coffee shop is chosen based on the restaurants, coffee shops, pubs, bakeries located nearby

Conclusion:

Using Foursquare API, we can captured data of common places around Central Bangalore. Using it, we refer back to our main objectives, which is to determine;
- the similarity or dissimilarity of neighbourhoods
- classification of area located inside the city whether to place a coffee shop or not

**In conclusion, places Seshadripuram, Jeevanbheemanagar and Cantonment Area are suited to place a coffee shop.