

The Battle of Neighbourhoods

Introduction/Business Problem:

A description of the problem and a discussion of the background.

Currently, Bangalore is the IT capital of India. Most of the IT companies are present in this city. Apart from IT, this city has become a centre of attention for residential, job employment, tourism, education, shopping and sports activity.

In the previous week of the assignment, we have done segmentation and clustering on Toronto to understand the most common places. Toronto is also developed in terms of IT sector.

In this project, we will study in details the area classification using Foursquare data and ML segmentation and clustering to identify the similarity and differences between two cities – Toronto and Bangalore

Data section:

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

Toronto city data is already available and we have used that data to cluster the places.

Bangalore city data is available in Wikipedia:

https://en.wikipedia.org/wiki/List_of_neighbourhoods_in_Bangalore

I have filtered the data and saved it the GitHub repository:

[https://github.com/pritamroy11/Coursera IBM-Watson/blob/master/week4-5/Bangalore_neighbourhoods.csv](https://github.com/pritamroy11/Coursera_IBM-Watson/blob/master/week4-5/Bangalore_neighbourhoods.csv)

Now, we have the neighbourhood details of the Bangalore city, I have used geocoder to get the latitude, longitude and FourSquare API for visualizing the data after segmentation and clustering using K-Means clustering algorithm