IBM DATA SCIENCE PROFESSIONAL CERTIFICATE

APPLIED DATA SCIENCE CAPSTONE – WEEK 4 REPORT

About the City:

Coimbatore is known as "The Manchester Of South India" because of its textile production volume. It has got the best weather to live in, various nature spots where people go on a road trip, and many religious sites in addition. In recent years, it has got the best name for the number of colleges and hospitals present. Many students from across India stay at Coimbatore for their studies thereby increasing the population of the youth in the city. Hence, there has been a great increase in the demand for restaurants, cafes, etc.

Target Audience:

As mentioned earlier, there has been a greater number of restaurant openings in the city to meet the demands. The target audience for this project are those who are looking for the perfect location to open their restaurants, cafes, etc. It is a common point of view that the localities with a greater number of restaurants present currently, have the greatest demand thereby earning high profits.

Question to be answered:

Which is the best location to open a restaurant (food place) at Coimbatore?

Dataset:

The dataset that will be used for this project is from,

https://news.abplive.com/pincode/tamil-nadu/coimbatore.html

This webpage consists of a table that includes the name of the Post Offices (Similar to neighborhoods), Taluks (Similar to Boroughs), District, State, and Postal Code.

Geospace Data:

The table present in the link mentioned above does not contain the latitudes and longitudes of the Post Offices. To fetch the coordinates, geospacer data will be employed.

Foursquare Data:

As mentioned earlier, localities with a large number of restaurants indicate the high demand. Hence, to find the restaurants, cafes, and any kind of food places near the locality, four square data will be used.