**COURSERA CAPSTONE PROJECT**

**THE BATTLE OF THE NEIGHBOURHOODS-REPORT**

**Opening a new Indian Sweet Shop**

**in Delhi, India**

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**Place:** India

**DATA**

**Data Description: -**

In order to solve the problem, we will be needing the following data:

• List of neighbourhoods in Delhi. This defines the scope of this project which is confined to the city of Delhi, the capital city of the country India.

• Latitude and longitude coordinates of those neighbourhoods. This is required in order to plot the map and also to explore and get the venue data of the neighbourhoods.

• Venue data such as venue category or type and number of all such categories, particularly data related to sweet shop.We will use this data to perform clustering on the neighbourhoods.

**Data Source: -**

We will be taking the neighbourhoods of Delhi data available on the Wikipedia.

Link:<https://en.wikipedia.org/wiki/Neighbourhoods_of_Delhi>

We will be using the requests library of python in order to scrap the data and beautifulsoap to perform the parsing. For the sake of geographical coordinates of the neighbourhoods we will be using the geopy library.

For the purpose of exploring the neighbourhoods we will be using the foursquare API. Foursquare has one of the largest database of 105+ million places and is used by over 125,000 developers.