Battle of neighbourhoods WEEK 1 SUBMISSION

PROBLEM and BACKGROUND

In this exercise we compare New-Your city and Toronto as tourist destinations - to get a view of their boroughs and neighbourhoods, and marked on map their key areas (as mentioned below) with respect to those neighbourhoods and boroughs
Toronto - Downtown Toronto
New York - Manhattan

The analysis will also then compare what are the hotspots for both Downtown Toronoto and Manhattan which could help tourist to locate the most popular places in each neighbourhood by virtue of rankings. This will help them plan their travels to both these places accordinagly and change their travel plan basis which city and area they are in. This will also be indicative of what are the main places/attractions to visit in a particular area of a city for the tourists such as cafes, restaurants, parks etc

REASON - Tourists most often visits those countries who are rich in heritage. Every city is unique in their own way and has something different to offer. and based on available information, and the comparison (the part of the information) between the two cities tourists can choose to plan their travel or visit a particular place according to their choice.

Data sources and cleaning

For this problem, we will get the services of Foursquare API to explore the data of two cities, in terms of their neighborhoods. The data also include the information about the places around each neighborhood like restaurants, hotels, coffee shops, parks, theaters, art galleries, museums and many more. We selected one Borough from each city to analyze their neighborhoods. Manhattan from New York and Downtown Toronto from Toronto. These objects will be given priority on the basis of foot traffic (activity) in their respective neighborhoods which will help to locate the tourist’s areas and hubs and helps us analyse the similarity or difference between two cities from tourist's perspective

the Downtown Toronto data is extracted and cleaned using the data from wikipedia page +.csv file locally stored on system and imported (source - kaggle) and verified using Foursquare API to get the coordinates for neighbourhood exploration

Manhatattan data for New Yourk Coty is extracted from .csv file locally stored on system and imported (source - kaggle) which is again verified and explored for coordinates using Foursquare AP