Capstone Project - Battle of the Neighborhoods

Introduction

In Module 3, we explored New York City and the city of Toronto and segmented and clustered their neighborhoods. Both cities are very diverse and are the financial capitals of their respective countries. the interesting idea of this project would be to compare the neighborhoods of the two cities and determine how similar or dissimilar they are. Is New York City more like Toronto or Paris or some other multicultural city?

Data

The data used for this project will be acquired from the respective cities Wikipedia website pages. The datasets consists of the postal codes, neighborhood names, latitude, and longitude information for each neighborhood. Foursquare API search feature will be used to collect neighborhood venue information. Details about local venues and locality will be provide insight into the qualities of a neighborhood. In addition to Foursquare, various python packages will be used to create maps and machine learning models to further provide insights into our neighborhood battle project.

I used the following datasets from these websites: Toronto Neighborhoods - https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M. Toronto Latitude and Longitude - http://cocl.us/Geospatial_data New York City neighborhoods - https://geo.nyu.edu/catalog/nyu_2451_34572 New York City Latitude and Longitude = Python Geolibrary