**Problem Description :**

A client had layoff at his work location in Newyork and now has to move to Toronto from Marble Hill to join the new work location. He wants to live in the similar neighborhood (Neighborhood with similar venues in the vicinity) as he is used to in Marble Hill, NY. My challenge is to find a similar neighborhood for him to rent/buy a house so he can enjoy similar lifestyle in Toronto as he used to in Marble Hill, thus reducing the impact of the change this layoff has brought on him.

**Data Description :**

I will use the below website to get New York Neighborhood information

<https://cocl.us/new_york_dataset>

From the above dataset I will get the latitude and longitude of the Marble Hill neighborhood. Using the FourSquare API, I will get the venues and their categories in Marble Hill Neighborhood. And check what are the most common venue categories near the Marble Hill area by getting 100 venues in 1 km radius. I will then get top ten venue categories to get an idea on what kind of neighborhood the client is used to and looking for in Toronto

I will use the below Wikipedia page to get the Toronto Neighborhood details <https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M>

Then for each neighborhood in Toronto I will get the 100 venues in 1 km radius and group them by venue category. Then compare the results with top 4 venue categories and get the neighborhoods that have those 4 categories.