Comparing New York City and Toronto for Re-location

1. A description of the problem and a discussion of the background

In this project we will try to find compare the neighbourhoods of New York City and the city of Toronto to compare and contrast the them. This report will be targeted for a prospect who is considering to re-locate to either of the cities. It is also targeted for other stakeholders like re-location consultants providing such services at a fee.

Since both the cities are large, we will after an exploratory analysis narrow down to the downtown neighbourhoods in these cities. We will be particularly interested in option for the food, leisure, and transportation in these neighbourhoods.

We will use our data science powers to generate a few most promising neighbourhoods based on these criteria. Advantages of each area will then be clearly expressed so that best possible final location can be chosen by stakeholders.

2. A description of the data and how it will be used to solve the problem

The dataset for New York will used from the web https://geo.nyu.edu/catalog/nyu_2451_34572

For the city of Toronto, the data scrapped from the Wikipedia page will be used:

https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

Then Foursquare Places API will be used to explore the neighbourhoods to segment them. Different end points of the API will used to get info of the interesting places like restaurants, leisure places, transportation facilities of the neighbourhood.

Method	Endpoint Group	Endpoint	Usage
GET	venues	<u>search</u>	Search for Venues
GET	venues	<u>explore</u>	Get Venue Recommendations
GET	venues	trending	Get Trending Venues
GET	venues	categories	Get Venue Categories
GET	venues	<u>similar</u>	Get Similar Venues