

# Comparison Between NYC and Toronto

## 1 Introduction

In this capstone project, we will collect and analyze the neighborhoods data of two cities: One is the New York City (NYC), another is the Toronto. By using the data and Foursquare API, we will investigate which venues are common between NYC and Toronto.

By analyzing the data between two cities, we will be able to understand the differences and similarities of two cities, which will make in known to business people and people who want to live in these cities. To explain the details of the comparison, the data will be collected from 'IBM Data Science Professional Certificate' and scraped more data from the internet.

## 2 Data Acquisition and Analysis

In this section, the acquisition and pre-processing of data will be discussed. Moreover, we will mention the analyzing methods.

### 2.1 Data Acquisition

- **Neighborhood Data** : the data of two cities is imported from the 'IBM Data Science Professional Certificate' and from "Wikipedia"
- **Venues Data** : data that describes the top 100 venues (restaurants, cafes, parks, etc.) in each neighborhood of the two cities. The data will be retrieved from Foursquare which is one of the world largest sources of location and venue data.