## The similarity between Manhattan, New York, and Downtown, Toronto

## Introduction

Tourism is a complex set of industries, including accommodation, recreation & entertainment, and food & beverage services. These days, people would like to visit different places like New York and Toronto to experience and explore the locals' life, heritage, and culture. Tourists need information regarding the nearby coffee shops, restaurants, hotels/accommodation, places to visit, and many more. These days information about locations is readily available to explore.

This project aims to determine how similar these two cities are when it comes to tourism. It will assist tourists by providing them with the information needed to travel, comparing two places Manhattan, New York, and Downtown, Toronto, to make their decision depending on their choice.

## Stakeholders

- The tourists who are planning a trip to North America and want to visit one of these two locations
- A Data Analyst or a Data Scientist wants to compare the two places to identify tourist areas and the similarities of Manhattan, New York, and Downtown, Toronto.

## Data sources

- For New York city data available at https://geo.nyu.edu/catalog/nyu_2451_34572. and
- For Toronto, we will web scrape city data from https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

## Methodology

The data extracted from the above webpages will have the neighborhood data of different places in New York and Toronto. We will concentrate on places in Manhattan, New York and Downtown, Toronto using the Foursquare API services for this project.

We will apply a K-means Clustering machine learning algorithm to compare the two places Manhattan, New York, and Downtown, Toronto, and find the similarities.

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