How is the similarity between Manhattan and Toronto?

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1. Introduction
   1. Background

Manhattan and Toronto are both the well know cities in the world.

* 1. Problem

But do we know how similar are the two cities? In this report. There are very features we can use to get the answer. Such as, population, industries, entrainments or even the education level.

* 1. Interest

In this report we based on the diversity of venues be the feature and compare those two cities and figure out if those two cities are similar or have huge differences. And expect to purpose a common mythology to compare not only those two cities, but also can apply to all well know cities all over the world.

1. Data acquisition and cleaning
   1. Data Source

To accomplish this task. First, we need to get the source of New York city[(link)](https://cocl.us/new_york_dataset). and Canada’s postal code([link](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M,)). By using the postal code to retrieve the   
latitude and longitude from [Geocoder](http://cocl.us/Geospatial_data) package.  Finally we leverage the [Foursquare](https://developer.foursquare.com/docs/api/venues/details) API to retrieve all the venues information.