

IBM Coursera Data Science Specialization Capstone Project - Exploring neighbourhoods of New York and Toronto

Problem:

New York City as well as Toronto City are recognised cosmopolitan cities of the world, and as such, they both attract many people who come to visit or to live and work in these cities. I have decided to explore the neighbourhoods of both New York and Toronto to compare the two cities in terms of venues such as restaurants, art galleries, parks, coffee shops, café's, and so forth as this information will be useful to people who are either looking to visit any of these cities or people that may intend to relocate to one of these cities.

Background:

New York City is one of the most densely populated cities in the United States, with an estimated population of 8 336 817 distributed over 784 square kilometres. New York City has been described as the cultural, financial and media capital of the world and many popular television shows have made New York City a "must-see" destination for people from all over the world. The city comprises of 5 boroughs: Brooklyn, Queens, Manhattan, The Bronx and Staten Island and is situated on one of the world's largest natural harbours. Many districts and landmarks in New York City are well known tourist destinations and this is why I have chosen to use New York City in my project.

Toronto is the capital city of Ontario in Canada, situated in Northern America. The city is also the most populous city with an estimated population of 6 139 000 distributed over 630.2 square kilometres. Toronto has been recognised as one of the most multicultural and cosmopolitan cities of the world. Toronto's diverse population is a reflection of its current and historical role as an important destination for immigrants to Canada. The city attracts over 43 million tourists annually and is home to many museums, art galleries, historic sites, festivals and sporting activities.

From the above it can be seen that there are many similarities between New York City and Toronto City. This project aims to compare the neighbourhoods of the 2 cities and find ones that are similar as well as the venues in these neighbourhood's that make them similar or dissimilar.