

Applied Data Science Capstone Project: Comparing the cities of Toronto and Montreal

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Introduction

Toronto and Montreal are two of the most prominent and busiest cities in Canada. Home to a diverse group of people, both cities hold massive potential for business growth and development, specific to the needs of the individual group. This can range from traditional cuisine catering to various demographics, or the sales of exotic spices and foodstuff.

Knowing this, it would be useful to compare the similarities in the structure of these two cities and observe their commonalities and differences. By observing this we can obtain useful information that can help fuel businesses and their growth, while catering to the demands of the specific demographic. The objective of this project is to study and observe any such noticeable trends and make an assessment regarding potential business opportunities that exist in either of the two cities.

Data Collection and Understanding

I will be making use of the Wikipedia information regarding the postal codes and Borough information for both the cities of Toronto and Montreal. The latitude and longitude information will be obtained by using the *geocoder* module, which finally gives us a data frame consisting of the Postal code, Borough information and the geographical coordinates.

We also make use of the Foursquare API to obtain the list of frequently visited venues in the boroughs, and base our analysis on the results obtained.