

Defining neighborhoods closest to museums, galleries and sightseeing spots in Toronto

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Introduction

Tourism moves billions of dollars every year all over the world, many countries and cities depend on commerce and tourist activity as a source of income for the population, so the development of several applications and web pages provide services for tourists to do research on where to stay. , which places are cheaper, where to eat and where to visit.

So we will use the Foursquare API to determine which are the most interesting neighborhoods to stay in when traveling to Toronto when we want to visit the largest number of museums, galleries, parks and sights.

Data acquisition and information processing:

Information about neighborhoods and neighborhoods was used for data collection based on the postal code provided at https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M where the geopy.geocoders library was used to generate the coordinates of latitude and longitude used to generate the map.

Defining the search coordinates, the radius at 500 meters, the limit of 100 and the search as 'Museum', it was possible to collect the names, categories, latitudes and longitudes of the Toronto sights.

Results

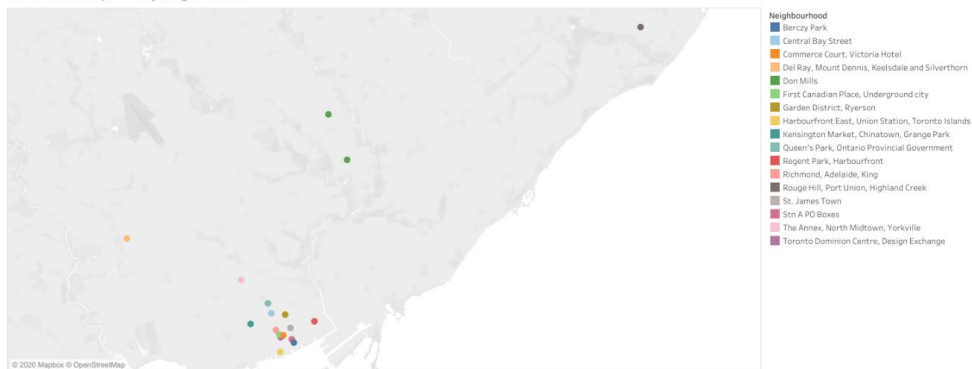
Using the data obtained, we performed the appropriate treatment using the Python bookstores known for the generation of data tables that we use to generate maps and graphs through the Tableau software to visualize the results.

Maps and graphs are available at the following email addresses for interactive viewing:

- <https://public.tableau.com/profile/flavio.schutzer.de.godoy#!/vizhome/Mostcommonplacesbyneighborhood/Planilha1>
- <https://public.tableau.com/profile/flavio.schutzer.de.godoy#!/vizhome/MuseumsandGalleriesofTorontoNeighbourhood/Planilha1>
- <https://public.tableau.com/profile/flavio.schutzer.de.godoy#!/vizhome/CountofMuseumsandParksbypostalcode/Planilha1>

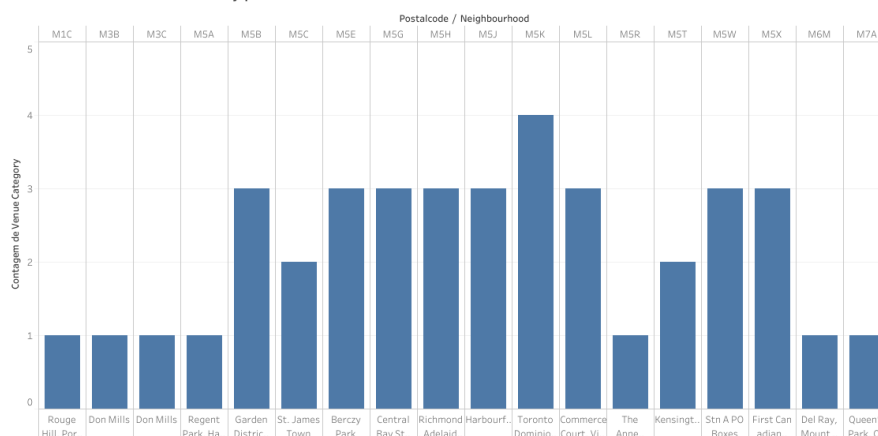
First of all, we can see that tourist attractions such as museums, parks and galleries are concentrated in downtown Toronto.

Most common places by neighborhood



When we look at the number of points per postal code, we can observe the low variation between tourist attractions in neighborhoods close to the center.

Count of Museums and Parks by postal code



Conclusion

As a conclusion, we can determine that neighborhoods close to downtown Toronto, between zip codes M5E and M5L, are the neighborhoods closest to most tourist spots and are a good location for lodging.

Museums and Galleries of Toronto

