

Introduction/Business Problem

Toronto is the largest city in Canada and home of many touristic attractions. The city is full of museums, theatres, art galleries and festival events.

The Toronto City Culture Association heard about the capabilities of Data Science and were interested in a working with us to create a recommendation system for city visitors, based on where they planned to stay.

As such, they contacted us, proposing the project with a list of requirements.

Requirements

- The system should be capable of get the list of all cultural places in Toronto, worth visiting (e.g. Museums);
- Be able to rate the places according to typical user experience
- Get the top 3 cultural places
- Cluster the selected places by Neighbourhood
- Display the results Graphically on a map
- Create bar graphs analysing the results

Data

In order to be able to carry out this project we need data from a few sources:

1) Wikipedia website - we need the information regarding the Boroughs and Neighbourhoods of Toronto - https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M

2) Foursquare website:

- from here we can extract the information about the list of all Cultural venues of Toronto
- we can also see the popularity of each venue to create our top list

3) Geospatial_Coordinates.csv file which contains the coordinates for each Toronto PostCode