Applied Data Science Capstone Project

The Battle of Neighborhoods

Introduction

Toronto is the most populated city in Canada with over 5 million citizens and is recognized as one of the most multicultural and cosmopolitan cities in the world. It is the capital of Ontario and it is located in the east-central region of the country. Toronto is one of Canada's leading tourism destinations. In 2017, the Toronto-area received 43.7 million tourists.

Business problem

In this project we assume the role of an investor who wants to open a Greek restaurant in Toronto. Toronto has an array of tourist attractions. Some of these attractions are notable worldwide like the CN tower and Ripley's Aquarium of Canada. Using available data, we need to find where should we open the new restaurant. First of all, we need to find the places that don't already have a Greek restaurant. Next, we need to find the place we the most tourist attractions. A neighborhood that tend to visit a lot.

Data

The data we are going to use for this project will come from:

- https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M. From here we'll find all the neighborhoods of Toronto and their postal codes.
- https://cocl.us/Geospatial_data. From this csv file we will find the latitudes of the neighborhoods.
- The Foursquare API. From here we will pull information on different venues for all the neighborhoods.