

New restaurant in Toronto

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1 Business Problem

Owner of many successful restaurants in New York's city borough Bronx, wants to start new restaurant in Toronto. Stakeholder needs to know in which neighborhood of Toronto he should settle his first restaurant, that's why some method to comparison those two cities are needed.

My approach is to characterize each neighborhood of New York by most common venues type in each of them. Then to cluster the neighborhoods with greatest similarity using k-mean clustering , and then see which of them occurs the most in Bronx borough.

Next step will be to describe Toronto's neighborhoods in the same manner. Comparing clusters between two cities will tell neighborhoods of which cluster are the most appropriate to start new restaurant.

2 Data

There are two sources of data, first is names of neighborhoods, that will be taken from Wikipedia. Then, using Google geocoder API coordinates will be provided. Following step is to get 100 venues for each neighborhood using Foursquare API and then, to see which venue category occurs the most often. This data will be used to prepare clustering.