

1.Introduction

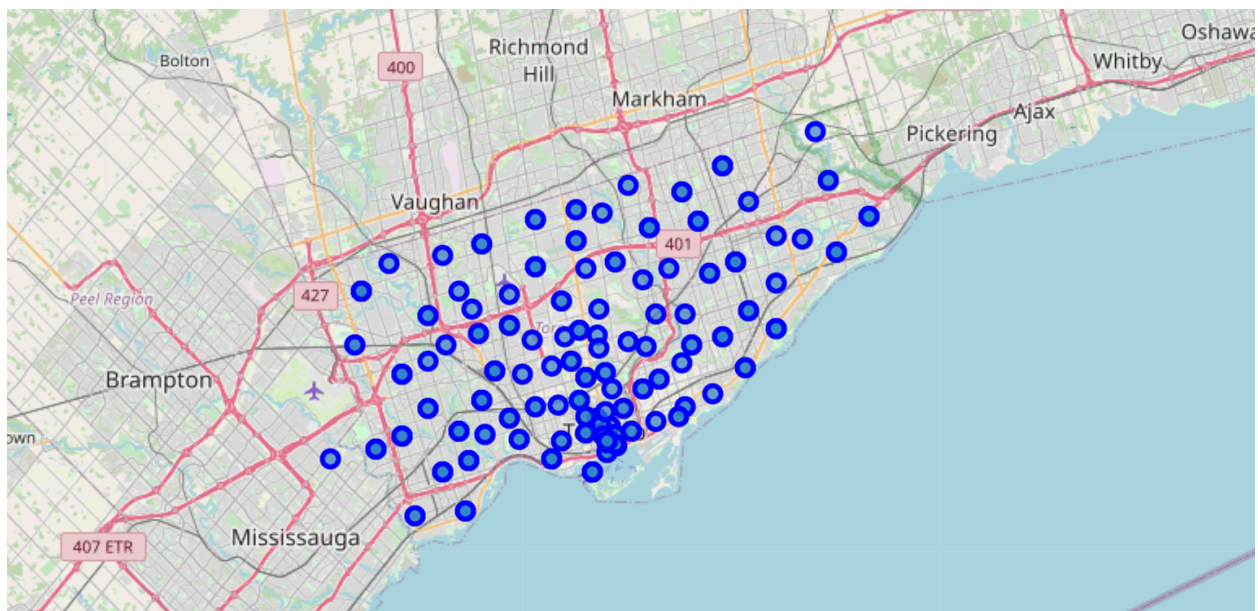
In a city of your choice, if someone is looking to open a restaurant, where would you recommend that they open it? Similarly, if a contractor is trying to start their own business, where would you recommend that they setup their office?

1.1 Problem discussion

This report would like to select Toronto to expand this problem. So far we need to select a place to open a restaurant in the great toronto area. Restaurant has many different kinds. It could be a small take out food shop, and it could also be a luxtry sushi place. The different restaurant has different investment and different incomes. If someone want to open a steak house, it is not a good idea to open it in chinatown. Nevertheless, investing a chinsese restaurant at the chinatown might be a very good choise. Even if we do not catagory the restaurant kind, there are also many factors to select a place to open a general restaurant. How detailed the problem could be solved depends on how much data and time we have to approach this probelm.

1.2 Map Ploting

We focus on the neighbourhood in the great toronto area. Each neighbourhood represents a possible selection for our restaurant opening place. We need to first plot the neighbourhood distribution of the great toronto area. Implementing the folium to plot the neighbourhood in toronto.



1.3 Problem definition

The above figure shows the neighbourhood distribution for the great toronto area. The first problem could be defined as "If someone want to open a general restaurant in the great toronto area, which neighbourhood shown above is the best choise for him?" Then if the data and time is allowed, the deeper investigation could be into a problem that "If someone wants to open a specific restaurant in the great toronto area, and he tells you what kind of restaurant he would like to open and how much money he can invest, which neighbourhood shown above is the best choice for him?"