1 Introduction

Nowadays, there are a lot of types of restaurants, and sometimes it's difficult to decide where you want to have dinner.
Well, the choice is sometimes also difficult for people wanting to open a restaurant.
This project is about analysing the types of restaurants we can find in Toronto, in order to decide which type is most popular and where it would be a good neighborhood to open one.

2 Data

The data used for this project is a list of all Toronto postal codes, boroughs and neighborhoods which was merged to another list of Postal codes and coordinates, in order to get the coordinates for each neighborhood.
All the date was formated to a Pandas dataframe and cleaned in order to get a dataframe only consisting of neighborhoods and coordinates.
To get information about the restaurants, foursquare platform was used, creating dataframes consisting of restaurant categories, quantity and in which neighborhood were located.

Toronto data source: "https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M"

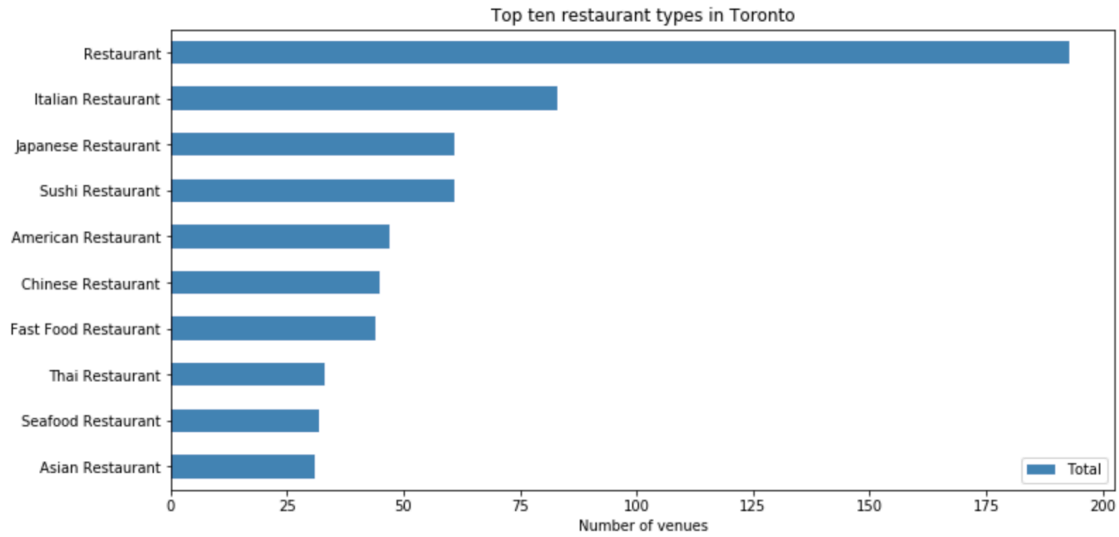
3 Metodology

For making a decision, a dataframe consisting of all restaurant types, amount and where was analysed.
The first analysis consisted of getting the total amount of restaurants of each type.
Having this numbers, the most popular restaurants types were found.
The second step was to analyse each neighborhood in order to find which ones had the smallest amount of this restaurant types.

4 Results

From the most popular places list, only the ones containing the word "restaurant" were considered, excluding places like "cafe", "bakery", "pizza place", etc.

Results below:



The top 3 restaurants types were chosen, and the recommended neighborhoods for each type are the ones with only one restaurant already existing, to exclude residential neighborhoods with no restaurants.

5 Discussion

There are several neighborhoods with no restaurants of this 3 types. Results with none of this 3 types were drop to avoid residential areas. Also for making recomendations, for each type of restaurant, neighborhoods with no venues also were ignored, recommending neighborhoods with one venue of the same type.

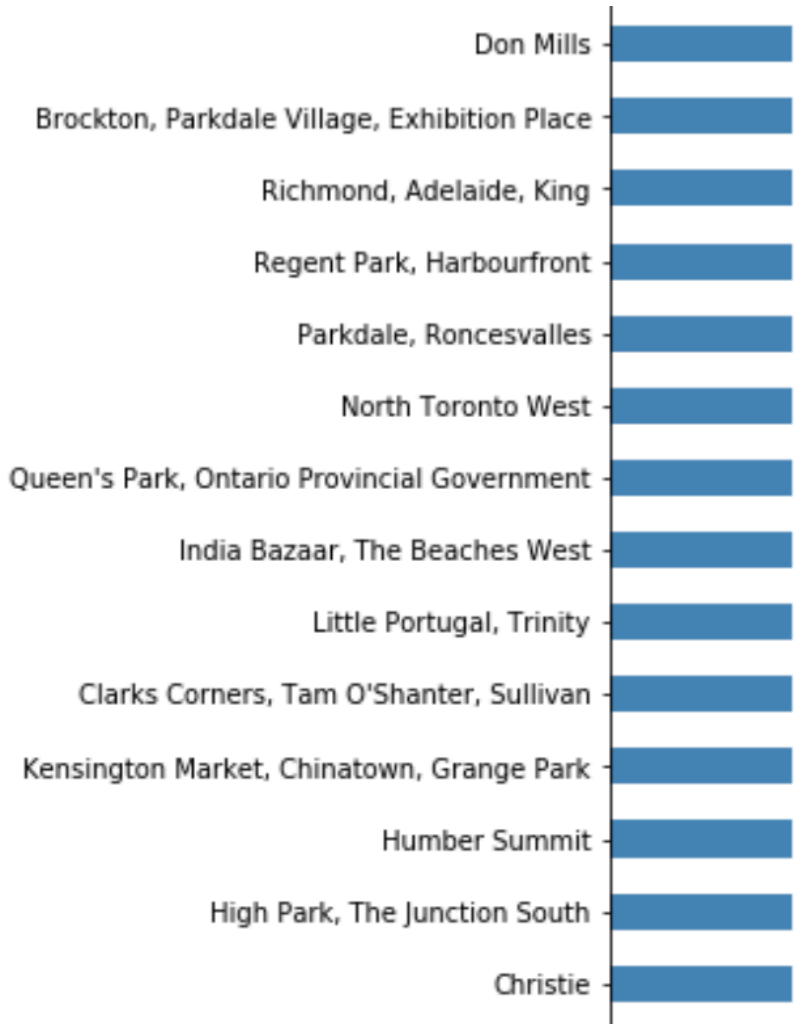
6 Conclussion

As mentioned below, neigborhoods with no restaurants of the top types were ignored, making the recomendations for neighborhoods with exactly one restaurant of the same type.

Results below:

Recommended neighborhoods for “Restaurant” (not from specific country)

Recommended neighborhoods for “Italian Restaurant”



Recommended neighborhoods for “Japanese Restaurant”