

Battle of Neighborhoods : Taste of Morocco

1. Introduction

1.1 Description and Background

Canada is a historical land of immigration, and this cultural mesh created a very wide and rich display of different cultures, colors and tastes. At each corner people can find a variety of ethnical cuisine restaurants and shops, some more widely popular than others.

As many type of cuisines already are famous (italian, american) or many that benefits from a booming interest (asian, japanese) ther are yet continents that are timidly trying to make their food get some keen interest by the general public.

African food is still not as popular in the public panel and is yet to show it's full potential, bringing unexplored flavours to the city of Toronto.

Morocco is a historical melting pot that combines influences from plethora of cultures and ethnicities : berbers, arabs, sub saharians, phenicians, jews, romans...

And this richness can be felt into its very traditional but exquisite cuisine but unfortunately not as well known.

The goal of this project would be to open a **restaurant chain of moroccan themed food with some african twist**. The simultaneous presence of the stores would have a great impact for advertising moroccan food across the city.

2. Data

2.1 Description of the Data

The data to use would consist in boroughs and neighborhoods of the city of **Toronto** famous for their restaurant and ethnic food concentration. Spots that are well known by foodies and that already holds a customer basis.

The data should also pinpoint areas with good potential that is free from fierce concurrence.

The source of data would be a combination of **Wikipedia** boroughs list with **Foursquare API** data of Toronto Venues.

The classification should be made regarding the ethnical type of food served and be analyzed regarding similar type of foods.

```
In [1]: from IPython.display import Image
Image(filename='venues_type.png')
```

Out[1]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
4	Regent Park, Harbourfront	43.654260	-79.360636	Impact Kitchen	43.656369	-79.356980	Restaurant
22	Regent Park, Harbourfront	43.654260	-79.360636	Cluny Bistro & Boulangerie	43.650565	-79.357843	French Restaurant
24	Regent Park, Harbourfront	43.654260	-79.360636	El Catrin	43.650601	-79.358920	Mexican Restaurant
42	Regent Park, Harbourfront	43.654260	-79.360636	Flame Shack	43.656844	-79.358917	Restaurant
46	Queen's Park, Ontario Provincial Government	43.662301	-79.389494	Nando's	43.661728	-79.386391	Portuguese Restaurant
...
1603	Church and Wellesley	43.665860	-79.383160	Kokoni Izakaya	43.664181	-79.380258	Japanese Restaurant
1612	Church and Wellesley	43.665860	-79.383160	A&W	43.666415	-79.378235	Fast Food Restaurant
1613	Church and Wellesley	43.665860	-79.383160	Asahi Sushi	43.669874	-79.382943	Sushi Restaurant
1623	Business reply mail Processing Centre, South C...	43.662744	-79.321558	Chick-n-Joy	43.665181	-79.321403	Fast Food Restaurant
1624	Business reply mail Processing Centre, South C...	43.662744	-79.321558	The Green Wood	43.664728	-79.324117	Restaurant

2.2 Data Extraction : Toronto Boroughs from Wikipedia

We are going to extract all the **Toronto Boroughs** name and confornt them with their respective coordinate data to generate a Dataframe basis

Scraping the data from Wikipedia

```
In [2]: import requests

url = 'https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M'
response = requests.get(url)
response

from bs4 import BeautifulSoup

soup = BeautifulSoup(response.text, 'html.parser')
type(soup)

result = soup.find("table", class_="wikitable sortable")
```

Convert the Data into a Dataframe

```
In [3]: import pandas as pd
import numpy as np

dfs = pd.read_html(str(result))
df= dfs[0]

#cleaning up the useless data
na = df[df['Borough'] == 'Not assigned'].index
df.drop(na,inplace=True)
df.reset_index(drop = True,inplace=True)
df.head()
```

```
Out[3]:
```

	Postal Code	Borough	Neighbourhood
0	M3A	North York	Parkwoods
1	M4A	North York	Victoria Village
2	M5A	Downtown Toronto	Regent Park, Harbourfront
3	M6A	North York	Lawrence Manor, Lawrence Heights
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government

2.3 Data Extraction : Combining the Boroughs with their geospatial coordinates

Importing the geospatial coordinates

```
In [4]: geo = pd.read_csv('Geospatial_Coordinates.csv')
```

```
In [5]: geo.head()
```

```
Out[5]:
```

	Postal Code	Latitude	Longitude
0	M1B	43.806686	-79.194353
1	M1C	43.784535	-79.160497
2	M1E	43.763573	-79.188711
3	M1G	43.770992	-79.216917
4	M1H	43.773136	-79.239476

Merging the 2 Dataframes

```
In [6]: merged = pd.merge(df,geo,on=['Postal Code'])
merged.head()
```

```
Out[6]:
```

	Postal Code	Borough	Neighbourhood	Latitude	Longitude
0	M3A	North York	Parkwoods	43.753259	-79.329656
1	M4A	North York	Victoria Village	43.725882	-79.315572
2	M5A	Downtown Toronto	Regent Park, Harbourfront	43.654260	-79.360636
3	M6A	North York	Lawrence Manor, Lawrence Heights	43.718518	-79.464763
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government	43.662301	-79.389494

Reducing down to Boroughs containing the word 'Toronto'

```
In [7]: toronto_df=merged[merged['Borough'].str.contains("Toronto")]
toronto_df.columns=["Postal Code", "Borough", "Neighborhood", "Latitude", "Longitude"]
toronto_df.head()
```

Out [7]:

	Postal Code	Borough	Neighborhood	Latitude	Longitude
2	M5A	Downtown Toronto	Regent Park, Harbourfront	43.654260	-79.360636
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government	43.662301	-79.389494
9	M5B	Downtown Toronto	Garden District, Ryerson	43.657162	-79.378937
15	M5C	Downtown Toronto	St. James Town	43.651494	-79.375418
19	M4E	East Toronto	The Beaches	43.676357	-79.293031

2.4 Data Extraction : Coupling the Tronto boroughs with Foursquare API data

```
In [8]: CLIENT_ID = 'PGSXXB0HS0W0KTJNP4TE1XTTPFW431RUV3WB0YKEA02TUUD' # your Foursquare ID
CLIENT_SECRET = 'XPJP2IQHKPRSAZ1RPZXRYVLHGSDREGJIIKO4OJXRTGBJEYUS' # your Foursquare Secret
VERSION = '20180605' # Foursquare API version

print('Your credentials:')
print('CLIENT_ID: ' + CLIENT_ID)
print('CLIENT_SECRET: ' + CLIENT_SECRET)

Your credentials:
CLIENT_ID: PGSXXB0HS0W0KTJNP4TE1XTTPFW431RUV3WB0YKEA02TUUD
CLIENT_SECRET: XPJP2IQHKPRSAZ1RPZXRYVLHGSDREGJIIKO4OJXRTGBJEYUS
```

```

In [9]: # defining radius and limit of venues to get
radius=500
LIMIT=100

def getNearbyVenues(names, latitudes, longitudes, radius=500):

    venues_list=[]
    for name, lat, lng in zip(names, latitudes, longitudes):
        print(name)

        # create the API request URL
        url = 'https://api.foursquare.com/v2/venues/explore?&client_id={}&client_se
cret={}&v={}&ll={},{&radius={}&limit={}'.format(
            CLIENT_ID,
            CLIENT_SECRET,
            VERSION,
            lat,
            lng,
            radius,
            LIMIT)

        # make the GET request
        results = requests.get(url).json()["response"]["groups"][0]["items"]

        # return only relevant information for each nearby venue
        venues_list.append([
            name,
            lat,
            lng,
            v['venue']['name'],
            v['venue']['location']['lat'],
            v['venue']['location']['lng'],
            v['venue']['categories'][0]['name']) for v in results])

    nearby_venues = pd.DataFrame([item for venue_list in venues_list for item in ve
nue_list])
    nearby_venues.columns = ['Neighborhood',
                            'Neighborhood Latitude',
                            'Neighborhood Longitude',
                            'Venue',
                            'Venue Latitude',
                            'Venue Longitude',
                            'Venue Category']

    return(nearby_venues)

```

Listing Toronto Venues

```
In [10]: toronto_venues = getNearbyVenues(names=toronto_df['Neighborhood'], latitudes=toronto_df['Latitude'], longitudes=toronto_df['Longitude'])
```

```
Regent Park, Harbourfront
Queen's Park, Ontario Provincial Government
Garden District, Ryerson
St. James Town
The Beaches
Berczy Park
Central Bay Street
Christie
Richmond, Adelaide, King
Dufferin, Dovercourt Village
Harbourfront East, Union Station, Toronto Islands
Little Portugal, Trinity
The Danforth West, Riverdale
Toronto Dominion Centre, Design Exchange
Brockton, Parkdale Village, Exhibition Place
India Bazaar, The Beaches West
Commerce Court, Victoria Hotel
Studio District
Lawrence Park
Roselawn
Davisville North
Forest Hill North & West, Forest Hill Road Park
High Park, The Junction South
North Toronto West, Lawrence Park
The Annex, North Midtown, Yorkville
Parkdale, Roncesvalles
Davisville
University of Toronto, Harbord
Runnymede, Swansea
Moore Park, Summerhill East
Kensington Market, Chinatown, Grange Park
Summerhill West, Rathnelly, South Hill, Forest Hill SE, Deer Park
CN Tower, King and Spadina, Railway Lands, Harbourfront West, Bathurst Quay, South Niagara, Island airport
Rosedale
Stn A PO Boxes
St. James Town, Cabbagetown
First Canadian Place, Underground city
Church and Wellesley
Business reply mail Processing Centre, South Central Letter Processing Plant Toronto
```

```
In [11]: print("Toronto Venues Shape : ",toronto_venues.shape)
toronto_venues.head(10)
```

Toronto Venues Shape : (1638, 7)

Out[11]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Regent Park, Harbourfront	43.65426	-79.360636	Roselle Desserts	43.653447	-79.362017	Bakery
1	Regent Park, Harbourfront	43.65426	-79.360636	Tandem Coffee	43.653559	-79.361809	Coffee Shop
2	Regent Park, Harbourfront	43.65426	-79.360636	Cooper Koo Family YMCA	43.653249	-79.358008	Distribution Center
3	Regent Park, Harbourfront	43.65426	-79.360636	Body Blitz Spa East	43.654735	-79.359874	Spa
4	Regent Park, Harbourfront	43.65426	-79.360636	Impact Kitchen	43.656369	-79.356980	Restaurant
5	Regent Park, Harbourfront	43.65426	-79.360636	Corktown Common	43.655618	-79.356211	Park
6	Regent Park, Harbourfront	43.65426	-79.360636	The Distillery Historic District	43.650244	-79.359323	Historic Site
7	Regent Park, Harbourfront	43.65426	-79.360636	Morning Glory Cafe	43.653947	-79.361149	Breakfast Spot
8	Regent Park, Harbourfront	43.65426	-79.360636	The Extension Room	43.653313	-79.359725	Gym / Fitness Center
9	Regent Park, Harbourfront	43.65426	-79.360636	Dominion Pub and Kitchen	43.656919	-79.358967	Pub

!!! Pickling data !!!

(Pickling data in case of Api limit reach or connection problems)

```
In [12]: import pickle
```

```
In [13]: pickle_out = open("Foursquare_toronto_venues.pickle","wb")
pickle.dump(toronto_venues,pickle_out)
pickle_out.close()

print("pickled")
```

pickled

!!! End Pickling data !!!

3. Methodology

3.1 Isolating the different restaurant types

Identifying the different type of venues and isolating the restaurants

```
In [14]: venue_categories = toronto_venues.groupby('Venue Category').count()  
venue_categories
```

Out[14]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude
Venue Category						
Afghan Restaurant	1	1	1	1	1	1
Airport	1	1	1	1	1	1
Airport Food Court	1	1	1	1	1	1
Airport Gate	1	1	1	1	1	1
Airport Lounge	2	2	2	2	2	2
...
Video Game Store	2	2	2	2	2	2
Vietnamese Restaurant	7	7	7	7	7	7
Wine Bar	10	10	10	10	10	10
Women's Store	1	1	1	1	1	1
Yoga Studio	13	13	13	13	13	13

235 rows × 6 columns

Listing the different restaurant types


```
In [15]: restaurant_type = []
         for i in venue_categories.index:
             if 'Restaurant' in i:
                 print(i)
                 restaurant_type.append(i)
```

Afghan Restaurant
American Restaurant
Asian Restaurant
Belgian Restaurant
Brazilian Restaurant
Cajun / Creole Restaurant
Caribbean Restaurant
Chinese Restaurant
Colombian Restaurant
Comfort Food Restaurant
Cuban Restaurant
Doner Restaurant
Dumpling Restaurant
Eastern European Restaurant
Ethiopian Restaurant
Falafel Restaurant
Fast Food Restaurant
Filipino Restaurant
French Restaurant
German Restaurant
Gluten-free Restaurant
Greek Restaurant
Indian Restaurant
Italian Restaurant
Japanese Restaurant
Korean Restaurant
Latin American Restaurant
Malay Restaurant
Mediterranean Restaurant
Mexican Restaurant
Middle Eastern Restaurant
Modern European Restaurant
Molecular Gastronomy Restaurant
Moroccan Restaurant
New American Restaurant
Persian Restaurant
Portuguese Restaurant
Ramen Restaurant
Restaurant
Seafood Restaurant
Sushi Restaurant
Taiwanese Restaurant
Thai Restaurant
Theme Restaurant
Vegetarian / Vegan Restaurant
Vietnamese Restaurant

Isolating the restaurants

```
In [72]: restaurant_type_list = []
         for i, row_i in toronto_venues.iterrows():
             #print(row_i['Venue Category'])
             if row_i['Venue Category'] in restaurant_type:
                 restaurant_type_list.append(row_i)
```

```
In [17]: restaurant_type_list
```

```
Out[17]: [Neighborhood      Regent Park, Harbourfront
Neighborhood Latitude      43.6543
Neighborhood Longitude     -79.3606
Venue                      Impact Kitchen
Venue Latitude             43.6564
Venue Longitude            -79.357
Venue Category             Restaurant
Name: 4, dtype: object,
Neighborhood      Regent Park, Harbourfront
Neighborhood Latitude      43.6543
Neighborhood Longitude     -79.3606
Venue              Cluny Bistro & Boulangerie
Venue Latitude       43.6506
Venue Longitude      -79.3578
Venue Category       French Restaurant
Name: 22, dtype: object,
Neighborhood      Regent Park, Harbourfront
Neighborhood Latitude      43.6543
Neighborhood Longitude     -79.3606
Venue              El Catrin
Venue Latitude       43.6506
Venue Longitude      -79.3589
Venue Category       Mexican Restaurant
Name: 23, dtype: object,
Neighborhood      Regent Park, Harbourfront
Neighborhood Latitude      43.6543
Neighborhood Longitude     -79.3606
Venue              Flame Shack
Venue Latitude       43.6568
Venue Longitude      -79.3589
Venue Category       Restaurant
Name: 42, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Nando's
Venue Latitude       43.6617
Venue Longitude      -79.3864
Venue Category       Portuguese Restaurant
Name: 48, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Mercatto
Venue Latitude       43.6604
Venue Longitude      -79.3877
Venue Category       Italian Restaurant
Name: 49, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Tokyo Sushi
Venue Latitude       43.6659
Venue Longitude      -79.387
Venue Category       Sushi Restaurant
Name: 52, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Tabriz Persian Cookhouse
Venue Latitude       43.6653
Venue Longitude      -79.3875
Venue Category       Persian Restaurant
```

```
Name: 53, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Como En Casa
Venue Latitude      43.6652
Venue Longitude     -79.3848
Venue Category      Mexican Restaurant
Name: 60, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Tokyo Grill
Venue Latitude      43.6651
Venue Longitude     -79.3847
Venue Category      Japanese Restaurant
Name: 62, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              The Green Beet Cafe
Venue Latitude      43.6621
Venue Longitude     -79.3942
Venue Category      Vegetarian / Vegan Restaurant
Name: 79, dtype: object,
Neighborhood      Queen's Park, Ontario Provincial Government
Neighborhood Latitude      43.6623
Neighborhood Longitude     -79.3895
Venue              Gallery Grill
Venue Latitude      43.6638
Venue Longitude     -79.3943
Venue Category      Restaurant
Name: 80, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Salad King
Venue Latitude      43.6576
Venue Longitude     -79.3816
Venue Category      Thai Restaurant
Name: 95, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Hokkaido Ramen Santouka らーめん山頭火
Venue Latitude      43.6564
Venue Longitude     -79.3776
Venue Category      Ramen Restaurant
Name: 102, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Spring Sushi
Venue Latitude      43.6563
Venue Longitude     -79.3807
Venue Category      Sushi Restaurant
Name: 104, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              JOEY Eaton Centre
Venue Latitude      43.6561
Venue Longitude     -79.3819
Venue Category      New American Restaurant
```

```
Name: 105, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Kinka Izakaya Original
Venue Latitude        43.6606
Venue Longitude       -79.3789
Venue Category        Japanese Restaurant
Name: 107, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Chipotle Mexican Grill
Venue Latitude        43.6569
Venue Longitude       -79.3809
Venue Category        Mexican Restaurant
Name: 109, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Crepe Delicious
Venue Latitude        43.6545
Venue Longitude       -79.3809
Venue Category        Fast Food Restaurant
Name: 113, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              The Elm Tree Restaurant
Venue Latitude        43.6574
Venue Longitude       -79.3838
Venue Category        Modern European Restaurant
Name: 119, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Kabul Express
Venue Latitude        43.6567
Venue Longitude       -79.3766
Venue Category        Middle Eastern Restaurant
Name: 122, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Paramount Fine Foods
Venue Latitude        43.655
Venue Longitude       -79.3802
Venue Category        Middle Eastern Restaurant
Name: 125, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Kinton Ramen
Venue Latitude        43.6606
Venue Longitude       -79.3789
Venue Category        Ramen Restaurant
Name: 127, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Scaddabush Italian Kitchen & Bar
Venue Latitude        43.6589
Venue Longitude       -79.3829
Venue Category        Italian Restaurant
```

```
Name: 129, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Red Lobster
Venue Latitude      43.6563
Venue Longitude     -79.3836
Venue Category      Seafood Restaurant
Name: 132, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Trattoria Mercatto
Venue Latitude      43.6545
Venue Longitude     -79.381
Venue Category      Italian Restaurant
Name: 133, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              KAKA
Venue Latitude      43.6575
Venue Longitude     -79.3842
Venue Category      Japanese Restaurant
Name: 139, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Ethiopiques
Venue Latitude      43.6565
Venue Longitude     -79.3771
Venue Category      Ethiopian Restaurant
Name: 141, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              GB Hand-Pulled Noodles
Venue Latitude      43.6564
Venue Longitude     -79.3838
Venue Category      Chinese Restaurant
Name: 143, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Jack Astor's Bar & Grill
Venue Latitude      43.656
Venue Longitude     -79.3803
Venue Category      Restaurant
Name: 145, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Bourbon St. Grill
Venue Latitude      43.6551
Venue Longitude     -79.3808
Venue Category      Fast Food Restaurant
Name: 147, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue              Katsuya
Venue Latitude      43.6599
Venue Longitude     -79.3788
Venue Category      Japanese Restaurant
```

```
Name: 165, dtype: object,
Neighborhood      Garden District, Ryerson
Neighborhood Latitude      43.6572
Neighborhood Longitude     -79.3789
Venue      Fine Asian Bowl
Venue Latitude      43.6554
Venue Longitude     -79.3803
Venue Category      Vietnamese Restaurant
Name: 179, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      Gyu-Kaku Japanese BBQ
Venue Latitude      43.6514
Venue Longitude     -79.375
Venue Category      Japanese Restaurant
Name: 183, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      GEORGE Restaurant
Venue Latitude      43.6533
Venue Longitude     -79.3744
Venue Category      Restaurant
Name: 185, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      Terroni
Venue Latitude      43.6509
Venue Longitude     -79.3756
Venue Category      Italian Restaurant
Name: 187, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      Mystic Muffin
Venue Latitude      43.6525
Venue Longitude     -79.3727
Venue Category      Middle Eastern Restaurant
Name: 190, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      Richmond Station
Venue Latitude      43.6516
Venue Longitude     -79.3793
Venue Category      American Restaurant
Name: 196, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      The Chase
Venue Latitude      43.651
Venue Longitude     -79.3794
Venue Category      New American Restaurant
Name: 203, dtype: object,
Neighborhood      St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue      Fresh On Front
Venue Latitude      43.6478
Venue Longitude     -79.3745
Venue Category      Vegetarian / Vegan Restaurant
```

```
Name: 205, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Sukhothai
Venue Latitude            43.6485
Venue Longitude           -79.3745
Venue Category           Thai Restaurant
Name: 210, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Market Street Catch
Venue Latitude            43.6485
Venue Longitude           -79.3718
Venue Category           Seafood Restaurant
Name: 217, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Buster's Sea Cove
Venue Latitude            43.6485
Venue Longitude           -79.3715
Venue Category           Seafood Restaurant
Name: 226, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Schnitzel Queen
Venue Latitude            43.6542
Venue Longitude           -79.3705
Venue Category           German Restaurant
Name: 231, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Biff's Bistro
Venue Latitude            43.6471
Venue Longitude           -79.3763
Venue Category           French Restaurant
Name: 234, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Loaded Pierogi
Venue Latitude            43.648
Venue Longitude           -79.3734
Venue Category           Comfort Food Restaurant
Name: 240, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  The Gabardine
Venue Latitude            43.651
Venue Longitude           -79.3812
Venue Category           American Restaurant
Name: 241, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Sweet Lulu
Venue Latitude            43.6506
Venue Longitude           -79.3812
Venue Category           Asian Restaurant
```



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Name: 246, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Mercatto
Venue Latitude            43.6502
Venue Longitude           -79.3808
Venue Category           Italian Restaurant
Name: 251, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Jump
Venue Latitude            43.6481
Venue Longitude           -79.3788
Venue Category           American Restaurant
Name: 254, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Bannock
Venue Latitude            43.6521
Venue Longitude           -79.3812
Venue Category           Restaurant
Name: 255, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Berber SOCIAL
Venue Latitude            43.6481
Venue Longitude           -79.374
Venue Category           Moroccan Restaurant
Name: 260, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  The Sultan's Tent and Cafe Moroc
Venue Latitude            43.6479
Venue Longitude           -79.3743
Venue Category           Moroccan Restaurant
Name: 262, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Bier Markt Esplanade
Venue Latitude            43.6472
Venue Longitude           -79.3739
Venue Category           Belgian Restaurant
Name: 264, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Oliver & Bonacini Café Grill, Yonge and Front
Venue Latitude            43.6471
Venue Longitude           -79.3769
Venue Category           Restaurant
Name: 267, dtype: object,
Neighborhood          St. James Town
Neighborhood Latitude      43.6515
Neighborhood Longitude     -79.3754
Venue                  Bibab Express Sushi n Rolls
Venue Latitude            43.6478
Venue Longitude           -79.3744
Venue Category           Sushi Restaurant
```

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Name: 269, dtype: object,
Neighborhood                The Beaches
Neighborhood Latitude        43.6764
Neighborhood Longitude       -79.293
Venue                        Seaspray Restaurant
Venue Latitude               43.6789
Venue Longitude              -79.2982
Venue Category               Asian Restaurant
Name: 274, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        The Keg Steakhouse + Bar - Esplanade
Venue Latitude               43.6467
Venue Longitude              -79.3748
Venue Category               Restaurant
Name: 276, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Fresh On Front
Venue Latitude               43.6478
Venue Longitude              -79.3745
Venue Category               Vegetarian / Vegan Restaurant
Name: 277, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Biff's Bistro
Venue Latitude               43.6471
Venue Longitude              -79.3763
Venue Category               French Restaurant
Name: 279, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Market Street Catch
Venue Latitude               43.6485
Venue Longitude              -79.3718
Venue Category               Seafood Restaurant
Name: 285, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Buster's Sea Cove
Venue Latitude               43.6485
Venue Longitude              -79.3715
Venue Category               Seafood Restaurant
Name: 289, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Sukhothai
Venue Latitude               43.6485
Venue Longitude              -79.3745
Venue Category               Thai Restaurant
Name: 293, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Loaded Pierogi
Venue Latitude               43.648
Venue Longitude              -79.3734
Venue Category               Comfort Food Restaurant
```

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Name: 305, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        The Old Spaghetti Factory
Venue Latitude               43.647
Venue Longitude              -79.3744
Venue Category               Italian Restaurant
Name: 308, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Alexandro's World Famous Gyros
Venue Latitude               43.6417
Venue Longitude              -79.3752
Venue Category               Greek Restaurant
Name: 311, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Chotto Matte
Venue Latitude               43.6465
Venue Longitude              -79.3788
Venue Category               Japanese Restaurant
Name: 312, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        Oyshi Sushi
Venue Latitude               43.6423
Venue Longitude              -79.3759
Venue Category               Sushi Restaurant
Name: 317, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        The Works Gourmet Burger Bistro
Venue Latitude               43.6487
Venue Longitude              -79.3741
Venue Category               Restaurant
Name: 319, dtype: object,
Neighborhood                Berczy Park
Neighborhood Latitude        43.6448
Neighborhood Longitude       -79.3733
Venue                        European Delight
Venue Latitude               43.6487
Venue Longitude              -79.3715
Venue Category               Eastern European Restaurant
Name: 326, dtype: object,
Neighborhood                Central Bay Street
Neighborhood Latitude        43.658
Neighborhood Longitude       -79.3874
Venue                        Somethin' 2 Talk About
Venue Latitude               43.6584
Venue Longitude              -79.3853
Venue Category               Middle Eastern Restaurant
Name: 334, dtype: object,
Neighborhood                Central Bay Street
Neighborhood Latitude        43.658
Neighborhood Longitude       -79.3874
Venue                        The Elm Tree Restaurant
Venue Latitude               43.6574
Venue Longitude              -79.3838
Venue Category               Modern European Restaurant
```

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Name: 338, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  KAKA
Venue Latitude           43.6575
Venue Longitude          -79.3842
Venue Category          Japanese Restaurant
Name: 339, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Japango
Venue Latitude           43.6553
Venue Longitude          -79.3852
Venue Category          Sushi Restaurant
Name: 340, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Sansotei Ramen 三草亭
Venue Latitude           43.6552
Venue Longitude          -79.3865
Venue Category          Ramen Restaurant
Name: 343, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Mercatto
Venue Latitude           43.6604
Venue Longitude          -79.3877
Venue Category          Italian Restaurant
Name: 345, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Red Lobster
Venue Latitude           43.6563
Venue Longitude          -79.3836
Venue Category          Seafood Restaurant
Name: 348, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Scaddabush Italian Kitchen & Bar
Venue Latitude           43.6589
Venue Longitude          -79.3829
Venue Category          Italian Restaurant
Name: 351, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Vegetarian Haven
Venue Latitude           43.656
Venue Longitude          -79.3928
Venue Category          Vegetarian / Vegan Restaurant
Name: 354, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude      43.658
Neighborhood Longitude     -79.3874
Venue                  Nando's
Venue Latitude           43.6617
Venue Longitude          -79.3864
Venue Category          Portuguese Restaurant
```

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Name: 356, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  JOEY Eaton Centre
Venue Latitude          43.6561
Venue Longitude        -79.3819
Venue Category          New American Restaurant
Name: 365, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Lebanon Express
Venue Latitude          43.661
Venue Longitude        -79.383
Venue Category          Falafel Restaurant
Name: 373, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Midi Bistro
Venue Latitude          43.6559
Venue Longitude        -79.3921
Venue Category          French Restaurant
Name: 382, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Colaba Junction
Venue Latitude          43.6609
Venue Longitude        -79.3856
Venue Category          Indian Restaurant
Name: 385, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Omai
Venue Latitude          43.656
Venue Longitude        -79.3925
Venue Category          Japanese Restaurant
Name: 386, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Thai Express
Venue Latitude          43.6616
Venue Longitude        -79.3873
Venue Category          Thai Restaurant
Name: 390, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Tosto
Venue Latitude          43.6612
Venue Longitude        -79.3864
Venue Category          Italian Restaurant
Name: 392, dtype: object,
Neighborhood          Central Bay Street
Neighborhood Latitude          43.658
Neighborhood Longitude        -79.3874
Venue                  Mo'Ramyun
Venue Latitude          43.6561
Venue Longitude        -79.3923
Venue Category          Korean Restaurant
```

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Name: 395, dtype: object,
Neighborhood                Christie
Neighborhood Latitude        43.6695
Neighborhood Longitude       -79.4226
Venue                       Vinny's Panini
Venue Latitude               43.6707
Venue Longitude              -79.4261
Venue Category               Italian Restaurant
Name: 400, dtype: object,
Neighborhood                Christie
Neighborhood Latitude        43.6695
Neighborhood Longitude       -79.4226
Venue                       Actinolite
Venue Latitude               43.6679
Venue Longitude              -79.4281
Venue Category               Restaurant
Name: 403, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       The Keg Steakhouse + Bar - York Street
Venue Latitude               43.65
Venue Longitude              -79.3841
Venue Category               Restaurant
Name: 415, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       Bosk at Shangri-La
Venue Latitude               43.649
Venue Longitude              -79.3858
Venue Category               Asian Restaurant
Name: 417, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       Rosalinda
Venue Latitude               43.6503
Venue Longitude              -79.3852
Venue Category               Vegetarian / Vegan Restaurant
Name: 420, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       John & Sons Oyster House
Venue Latitude               43.6507
Venue Longitude              -79.3816
Venue Category               Seafood Restaurant
Name: 427, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       JaBistro
Venue Latitude               43.6497
Venue Longitude              -79.3881
Venue Category               Sushi Restaurant
Name: 432, dtype: object,
Neighborhood                Richmond, Adelaide, King
Neighborhood Latitude        43.6506
Neighborhood Longitude       -79.3846
Venue                       Cactus Club Cafe
Venue Latitude               43.6496
Venue Longitude              -79.3817
Venue Category               American Restaurant
```

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Name: 433, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Kojin
Venue Latitude      43.6494
Venue Longitude     -79.3861
Venue Category      Colombian Restaurant
Name: 439, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              The Burger's Priest
Venue Latitude      43.6486
Venue Longitude     -79.3875
Venue Category      Fast Food Restaurant
Name: 443, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Copacabana Grilled Brazilian
Venue Latitude      43.6483
Venue Longitude     -79.3882
Venue Category      Brazilian Restaurant
Name: 447, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Byblos Toronto
Venue Latitude      43.6476
Venue Longitude     -79.3884
Venue Category      Mediterranean Restaurant
Name: 449, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Richmond Station
Venue Latitude      43.6516
Venue Longitude     -79.3793
Venue Category      American Restaurant
Name: 450, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Pai
Venue Latitude      43.6479
Venue Longitude     -79.3886
Venue Category      Thai Restaurant
Name: 451, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Canoe
Venue Latitude      43.6475
Venue Longitude     -79.3813
Venue Category      Restaurant
Name: 454, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Fune Japanese Restaurant
Venue Latitude      43.6485
Venue Longitude     -79.3865
Venue Category      Japanese Restaurant
```

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Name: 455, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              The Chase
Venue Latitude      43.651
Venue Longitude     -79.3794
Venue Category      New American Restaurant
Name: 456, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Kupfert & Kim (First Canadian Place)
Venue Latitude      43.6485
Venue Longitude     -79.3816
Venue Category      Gluten-free Restaurant
Name: 460, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Yuzu No Hana
Venue Latitude      43.6483
Venue Longitude     -79.3883
Venue Category      Sushi Restaurant
Name: 474, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Thai Island
Venue Latitude      43.6491
Venue Longitude     -79.3838
Venue Category      Thai Restaurant
Name: 482, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Bymark
Venue Latitude      43.6472
Venue Longitude     -79.3813
Venue Category      Restaurant
Name: 486, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Leña
Venue Latitude      43.6517
Venue Longitude     -79.3792
Venue Category      Latin American Restaurant
Name: 495, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              Ruby Thai (First Canadian Place)
Venue Latitude      43.6491
Venue Longitude     -79.3816
Venue Category      Thai Restaurant
Name: 500, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue              The Fifth & Terrace
Venue Latitude      43.6492
Venue Longitude     -79.3893
Venue Category      Modern European Restaurant
```



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Name: 501, dtype: object,
Neighborhood      Richmond, Adelaide, King
Neighborhood Latitude      43.6506
Neighborhood Longitude     -79.3846
Venue      Bardi's Steak House
Venue Latitude      43.6462
Venue Longitude     -79.3831
Venue Category      Restaurant
Name: 509, dtype: object,
Neighborhood      Dufferin, Dovercourt Village
Neighborhood Latitude      43.669
Neighborhood Longitude     -79.4423
Venue      Parallel
Venue Latitude      43.6695
Venue Longitude     -79.4387
Venue Category      Middle Eastern Restaurant
Name: 515, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      eleven
Venue Latitude      43.6424
Venue Longitude     -79.3814
Venue Category      New American Restaurant
Name: 544, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      Miku
Venue Latitude      43.6414
Venue Longitude     -79.3775
Venue Category      Japanese Restaurant
Name: 549, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      Pearl Harbourfront
Venue Latitude      43.6382
Venue Longitude     -79.3807
Venue Category      Chinese Restaurant
Name: 563, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      Taverna Mercatto
Venue Latitude      43.6426
Venue Longitude     -79.3833
Venue Category      Italian Restaurant
Name: 564, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      Steam Whistle's Biergarten
Venue Latitude      43.6407
Venue Longitude     -79.3859
Venue Category      Restaurant
Name: 568, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue      Gonoe Sushi Japanese Restaurant
Venue Latitude      43.639
Venue Longitude     -79.3859
Venue Category      Sushi Restaurant
```

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Name: 593, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Kupfert & Kim
Venue Latitude          43.6412
Venue Longitude         -79.3781
Venue Category          Vegetarian / Vegan Restaurant
Name: 594, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Buster's Sea Cove
Venue Latitude          43.6426
Venue Longitude         -79.3834
Venue Category          Seafood Restaurant
Name: 596, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Amano Pasta
Venue Latitude          43.6449
Venue Longitude         -79.3824
Venue Category          Italian Restaurant
Name: 600, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Sushi Shop
Venue Latitude          43.6435
Venue Longitude         -79.381
Venue Category          Restaurant
Name: 603, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Kellys Landing
Venue Latitude          43.6451
Venue Longitude         -79.383
Venue Category          Restaurant
Name: 608, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Indian Roti House
Venue Latitude          43.6391
Venue Longitude         -79.3854
Venue Category          Indian Restaurant
Name: 613, dtype: object,
Neighborhood      Harbourfront East, Union Station, Toronto Islands
Neighborhood Latitude      43.6408
Neighborhood Longitude     -79.3818
Venue              Piazza Manna
Venue Latitude          43.6415
Venue Longitude         -79.3777
Venue Category          Italian Restaurant
Name: 630, dtype: object,
Neighborhood      Little Portugal, Trinity
Neighborhood Latitude      43.6479
Neighborhood Longitude     -79.4197
Venue              Foxley Bistro
Venue Latitude          43.6486
Venue Longitude         -79.4205
Venue Category          Asian Restaurant
```

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Name: 633, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   La Cubana
Venue Latitude           43.6462
Venue Longitude          -79.4196
Venue Category           Cuban Restaurant
Name: 635, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   OddSeoul
Venue Latitude           43.6462
Venue Longitude          -79.4196
Venue Category           Korean Restaurant
Name: 636, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Mamakas Taverna
Venue Latitude           43.6459
Venue Longitude          -79.4197
Venue Category           Greek Restaurant
Name: 637, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Union Restaurant
Venue Latitude           43.6459
Venue Longitude          -79.4195
Venue Category           New American Restaurant
Name: 639, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Pho Rua Vang (Golden Turtle)
Venue Latitude           43.6469
Venue Longitude          -79.4198
Venue Category           Vietnamese Restaurant
Name: 642, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Bazara
Venue Latitude           43.6485
Venue Longitude          -79.4205
Venue Category           Japanese Restaurant
Name: 647, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   La Banane
Venue Latitude           43.649
Venue Longitude          -79.4206
Venue Category           French Restaurant
Name: 649, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Soos
Venue Latitude           43.6463
Venue Longitude          -79.4196
Venue Category           Malay Restaurant
```

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Name: 652, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   SoSo Food Club
Venue Latitude           43.6494
Venue Longitude          -79.4216
Venue Category           Asian Restaurant
Name: 653, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Hanmoto
Venue Latitude           43.6495
Venue Longitude          -79.4228
Venue Category           Asian Restaurant
Name: 654, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Pho Tien Thanh
Venue Latitude           43.6455
Venue Longitude          -79.4193
Venue Category           Vietnamese Restaurant
Name: 655, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Ufficio
Venue Latitude           43.6494
Venue Longitude          -79.423
Venue Category           Italian Restaurant
Name: 658, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   The Goods
Venue Latitude           43.6493
Venue Longitude          -79.424
Venue Category           Vegetarian / Vegan Restaurant
Name: 660, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Montgomery's
Venue Latitude           43.6443
Venue Longitude          -79.4185
Venue Category           Restaurant
Name: 664, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   Founder Restaurant & Bar
Venue Latitude           43.6495
Venue Longitude          -79.4254
Venue Category           Restaurant
Name: 669, dtype: object,
Neighborhood           Little Portugal, Trinity
Neighborhood Latitude           43.6479
Neighborhood Longitude          -79.4197
Venue                   La Chingada
Venue Latitude           43.6496
Venue Longitude          -79.4241
Venue Category           Mexican Restaurant
```

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Name: 670, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Pantheon
Venue Latitude        43.6776
Venue Longitude       -79.3514
Venue Category        Greek Restaurant
Name: 678, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Cafe Fiorentina
Venue Latitude        43.6777
Venue Longitude       -79.3501
Venue Category        Italian Restaurant
Name: 679, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Mezes
Venue Latitude        43.678
Venue Longitude       -79.3502
Venue Category        Greek Restaurant
Name: 680, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              7 Numbers
Venue Latitude        43.6771
Venue Longitude       -79.3539
Venue Category        Italian Restaurant
Name: 685, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Alexandros
Venue Latitude        43.6783
Venue Longitude       -79.3495
Venue Category        Greek Restaurant
Name: 688, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Rikkochez
Venue Latitude        43.6773
Venue Longitude       -79.3533
Venue Category        Restaurant
Name: 690, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Messini Authentic Gyros
Venue Latitude        43.6777
Venue Longitude       -79.3505
Venue Category        Greek Restaurant
Name: 692, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Christina's On The Danforth
Venue Latitude        43.6782
Venue Longitude       -79.3492
Venue Category        Greek Restaurant
```

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Name: 693, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Athen's Pastries
Venue Latitude      43.6782
Venue Longitude     -79.3489
Venue Category      Greek Restaurant
Name: 696, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Astoria Shish Kebob House
Venue Latitude      43.6776
Venue Longitude     -79.3517
Venue Category      Greek Restaurant
Name: 698, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Carrot Commons
Venue Latitude      43.6775
Venue Longitude     -79.3531
Venue Category      Restaurant
Name: 703, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              IL FORNELLO on Danforth
Venue Latitude      43.6786
Venue Longitude     -79.3469
Venue Category      Italian Restaurant
Name: 705, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Simone's Caribbean Restaurant
Venue Latitude      43.6787
Venue Longitude     -79.3466
Venue Category      Caribbean Restaurant
Name: 707, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Sher-E-Punjab
Venue Latitude      43.6773
Venue Longitude     -79.3531
Venue Category      Indian Restaurant
Name: 709, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Factory Girl
Venue Latitude      43.6767
Venue Longitude     -79.3563
Venue Category      American Restaurant
Name: 714, dtype: object,
Neighborhood      The Danforth West, Riverdale
Neighborhood Latitude      43.6796
Neighborhood Longitude     -79.3522
Venue              Katsu Japanese Restaurant
Venue Latitude      43.6786
Venue Longitude     -79.347
Venue Category      Sushi Restaurant
```

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Name: 715, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Canoe
Venue Latitude      43.6475
Venue Longitude     -79.3813
Venue Category      Restaurant
Name: 719, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Ki Modern Japanese + Bar
Venue Latitude      43.6472
Venue Longitude     -79.3794
Venue Category      Japanese Restaurant
Name: 731, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Cactus Club Cafe
Venue Latitude      43.6496
Venue Longitude     -79.3817
Venue Category      American Restaurant
Name: 735, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Chotto Matte
Venue Latitude      43.6465
Venue Longitude     -79.3788
Venue Category      Japanese Restaurant
Name: 740, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              The Keg Steakhouse + Bar - York Street
Venue Latitude      43.65
Venue Longitude     -79.3841
Venue Category      Restaurant
Name: 742, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Bosk at Shangri-La
Venue Latitude      43.649
Venue Longitude     -79.3858
Venue Category      Asian Restaurant
Name: 747, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              John & Sons Oyster House
Venue Latitude      43.6507
Venue Longitude     -79.3816
Venue Category      Seafood Restaurant
Name: 751, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Kellys Landing
Venue Latitude      43.6451
Venue Longitude     -79.383
Venue Category      Restaurant
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Name: 757, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Biff's Bistro
Venue Latitude      43.6471
Venue Longitude     -79.3763
Venue Category      French Restaurant
Name: 758, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Buster's Sea Cove
Venue Latitude      43.6478
Venue Longitude     -79.3792
Venue Category      Seafood Restaurant
Name: 762, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              John & Sons Oyster House
Venue Latitude      43.6506
Venue Longitude     -79.3816
Venue Category      Seafood Restaurant
Name: 767, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Rosalinda
Venue Latitude      43.6503
Venue Longitude     -79.3852
Venue Category      Vegetarian / Vegan Restaurant
Name: 768, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              The Chase
Venue Latitude      43.651
Venue Longitude     -79.3794
Venue Category      New American Restaurant
Name: 770, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Scaddabush Italian Kitchen & Bar
Venue Latitude      43.6447
Venue Longitude     -79.3854
Venue Category      Italian Restaurant
Name: 779, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              TOCA
Venue Latitude      43.6454
Venue Longitude     -79.3871
Venue Category      Italian Restaurant
Name: 788, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              iQ Food Co
Venue Latitude      43.6475
Venue Longitude     -79.3791
Venue Category      Fast Food Restaurant
```



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Name: 789, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Estiatorio Volos
Venue Latitude      43.6503
Venue Longitude     -79.3845
Venue Category      Greek Restaurant
Name: 795, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Jump
Venue Latitude      43.6481
Venue Longitude     -79.3788
Venue Category      American Restaurant
Name: 796, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      The Gabardine
Venue Latitude      43.651
Venue Longitude     -79.3812
Venue Category      American Restaurant
Name: 797, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Victoria's Restaurant
Venue Latitude      43.6493
Venue Longitude     -79.3764
Venue Category      Restaurant
Name: 799, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Ninki Izakaya
Venue Latitude      43.6502
Venue Longitude     -79.3849
Venue Category      Japanese Restaurant
Name: 802, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Tachi
Venue Latitude      43.6506
Venue Longitude     -79.3834
Venue Category      Sushi Restaurant
Name: 803, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Sweet Lulu
Venue Latitude      43.6506
Venue Longitude     -79.3812
Venue Category      Asian Restaurant
Name: 804, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue      Mercatto
Venue Latitude      43.6502
Venue Longitude     -79.3808
Venue Category      Italian Restaurant
```

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Name: 807, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Szechuan Express
Venue Latitude      43.647
Venue Longitude     -79.3795
Venue Category      Chinese Restaurant
Name: 810, dtype: object,
Neighborhood      Toronto Dominion Centre, Design Exchange
Neighborhood Latitude      43.6472
Neighborhood Longitude     -79.3816
Venue              Kupfert & Kim (Brookfield Place)
Venue Latitude      43.6464
Venue Longitude     -79.3792
Venue Category      Gluten-free Restaurant
Name: 817, dtype: object,
Neighborhood      Brockton, Parkdale Village, Exhibition Place
Neighborhood Latitude      43.6368
Neighborhood Longitude     -79.4282
Venue              Caffino
Venue Latitude      43.639
Venue Longitude     -79.4253
Venue Category      Italian Restaurant
Name: 821, dtype: object,
Neighborhood      Brockton, Parkdale Village, Exhibition Place
Neighborhood Latitude      43.6368
Neighborhood Longitude     -79.4282
Venue              Vogue Supper Club
Venue Latitude      43.637
Venue Longitude     -79.4254
Venue Category      Restaurant
Name: 829, dtype: object,
Neighborhood      India Bazaar, The Beaches West
Neighborhood Latitude      43.669
Neighborhood Longitude     -79.3156
Venue              The Burger's Priest
Venue Latitude      43.6667
Venue Longitude     -79.3156
Venue Category      Fast Food Restaurant
Name: 845, dtype: object,
Neighborhood      India Bazaar, The Beaches West
Neighborhood Latitude      43.669
Neighborhood Longitude     -79.3156
Venue              O Sushi
Venue Latitude      43.6667
Venue Longitude     -79.3166
Venue Category      Sushi Restaurant
Name: 847, dtype: object,
Neighborhood      India Bazaar, The Beaches West
Neighborhood Latitude      43.669
Neighborhood Longitude     -79.3156
Venue              Casa di Giorgio
Venue Latitude      43.6666
Venue Longitude     -79.3152
Venue Category      Italian Restaurant
Name: 851, dtype: object,
Neighborhood      India Bazaar, The Beaches West
Neighborhood Latitude      43.669
Neighborhood Longitude     -79.3156
Venue              Harvey's
Venue Latitude      43.6665
Venue Longitude     -79.3151
Venue Category      Restaurant
```

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Name: 856, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Canoe
Venue Latitude      43.6475
Venue Longitude     -79.3813
Venue Category      Restaurant
Name: 863, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Cactus Club Cafe
Venue Latitude      43.6496
Venue Longitude     -79.3817
Venue Category      American Restaurant
Name: 871, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Ki Modern Japanese + Bar
Venue Latitude      43.6472
Venue Longitude     -79.3794
Venue Category      Japanese Restaurant
Name: 877, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Bymark
Venue Latitude      43.6472
Venue Longitude     -79.3813
Venue Category      Restaurant
Name: 880, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Chotto Matte
Venue Latitude      43.6465
Venue Longitude     -79.3788
Venue Category      Japanese Restaurant
Name: 882, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Kupfert & Kim (First Canadian Place)
Venue Latitude      43.6485
Venue Longitude     -79.3816
Venue Category      Gluten-free Restaurant
Name: 884, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Biff's Bistro
Venue Latitude      43.6471
Venue Longitude     -79.3763
Venue Category      French Restaurant
Name: 887, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              The Chase
Venue Latitude      43.651
Venue Longitude     -79.3794
Venue Category      New American Restaurant
```

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Name: 888, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              John & Sons Oyster House
Venue Latitude        43.6507
Venue Longitude       -79.3816
Venue Category        Seafood Restaurant
Name: 890, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Richmond Station
Venue Latitude        43.6516
Venue Longitude       -79.3793
Venue Category        American Restaurant
Name: 891, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              The Keg Steakhouse + Bar - York Street
Venue Latitude        43.65
Venue Longitude       -79.3841
Venue Category        Restaurant
Name: 901, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              John & Sons Oyster House
Venue Latitude        43.6506
Venue Longitude       -79.3816
Venue Category        Seafood Restaurant
Name: 902, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Fresh On Front
Venue Latitude        43.6478
Venue Longitude       -79.3745
Venue Category        Vegetarian / Vegan Restaurant
Name: 908, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Victoria's Restaurant
Venue Latitude        43.6493
Venue Longitude       -79.3764
Venue Category        Restaurant
Name: 912, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              The Keg Steakhouse + Bar - Esplanade
Venue Latitude        43.6467
Venue Longitude       -79.3748
Venue Category        Restaurant
Name: 913, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Buster's Sea Cove
Venue Latitude        43.6478
Venue Longitude       -79.3792
Venue Category        Seafood Restaurant
```

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Name: 924, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Terroni
Venue Latitude      43.6509
Venue Longitude     -79.3756
Venue Category      Italian Restaurant
Name: 925, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              The Gabardine
Venue Latitude      43.651
Venue Longitude     -79.3812
Venue Category      American Restaurant
Name: 927, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Sukhothai
Venue Latitude      43.6485
Venue Longitude     -79.3745
Venue Category      Thai Restaurant
Name: 933, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Carisma
Venue Latitude      43.6496
Venue Longitude     -79.3754
Venue Category      Italian Restaurant
Name: 934, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Bosk at Shangri-La
Venue Latitude      43.649
Venue Longitude     -79.3858
Venue Category      Asian Restaurant
Name: 936, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Jump
Venue Latitude      43.6481
Venue Longitude     -79.3788
Venue Category      American Restaurant
Name: 945, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Rosalinda
Venue Latitude      43.6503
Venue Longitude     -79.3852
Venue Category      Vegetarian / Vegan Restaurant
Name: 947, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Sweet Lulu
Venue Latitude      43.6506
Venue Longitude     -79.3812
Venue Category      Asian Restaurant
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Name: 949, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Bardi's Steak House
Venue Latitude      43.6462
Venue Longitude     -79.3831
Venue Category      Restaurant
Name: 951, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Portico
Venue Latitude      43.6519
Venue Longitude     -79.3781
Venue Category      Restaurant
Name: 958, dtype: object,
Neighborhood      Commerce Court, Victoria Hotel
Neighborhood Latitude      43.6482
Neighborhood Longitude     -79.3798
Venue              Ruby Thai (First Canadian Place)
Venue Latitude      43.6491
Venue Longitude     -79.3816
Venue Category      Thai Restaurant
Name: 960, dtype: object,
Neighborhood      Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue              Reliable Halibut and Chips
Venue Latitude      43.6609
Venue Longitude     -79.3409
Venue Category      Seafood Restaurant
Name: 967, dtype: object,
Neighborhood      Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue              Baldini
Venue Latitude      43.6613
Venue Longitude     -79.339
Venue Category      Italian Restaurant
Name: 972, dtype: object,
Neighborhood      Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue              braised
Venue Latitude      43.6605
Venue Longitude     -79.3433
Venue Category      American Restaurant
Name: 974, dtype: object,
Neighborhood      Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue              Tabule
Venue Latitude      43.6597
Venue Longitude     -79.3463
Venue Category      Middle Eastern Restaurant
Name: 976, dtype: object,
Neighborhood      Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue              eastside social
Venue Latitude      43.6613
Venue Longitude     -79.3392
Venue Category      Comfort Food Restaurant
```

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Name: 978, dtype: object,
Neighborhood           Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue                   EAT BKK Thai Kitchen
Venue Latitude            43.6604
Venue Longitude           -79.3431
Venue Category           Thai Restaurant
Name: 983, dtype: object,
Neighborhood           Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue                   Barrio Cervceria
Venue Latitude            43.6604
Venue Longitude           -79.3435
Venue Category           Latin American Restaurant
Name: 988, dtype: object,
Neighborhood           Studio District
Neighborhood Latitude      43.6595
Neighborhood Longitude     -79.3409
Venue                   Brooklyn Tavern
Venue Latitude            43.6619
Venue Longitude           -79.3359
Venue Category           American Restaurant
Name: 992, dtype: object,
Neighborhood           Forest Hill North & West, Forest Hill Road Park
Neighborhood Latitude      43.6969
Neighborhood Longitude     -79.4113
Venue                   Nikko Sushi Japenese Restaurant
Venue Latitude            43.7004
Venue Longitude           -79.408
Venue Category           Sushi Restaurant
Name: 1015, dtype: object,
Neighborhood           High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue                   nodo
Venue Latitude            43.6653
Venue Longitude           -79.4656
Venue Category           Italian Restaurant
Name: 1019, dtype: object,
Neighborhood           High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue                   Playa Cabana Cantina
Venue Latitude            43.6653
Venue Longitude           -79.4655
Venue Category           Mexican Restaurant
Name: 1026, dtype: object,
Neighborhood           High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue                   Isaan Der
Venue Latitude            43.6653
Venue Longitude           -79.4681
Venue Category           Thai Restaurant
Name: 1031, dtype: object,
Neighborhood           High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue                   Silk
Venue Latitude            43.6653
Venue Longitude           -79.4662
Venue Category           Thai Restaurant
```

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Name: 1032, dtype: object,
Neighborhood      High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue              ROUX
Venue Latitude      43.6654
Venue Longitude     -79.4624
Venue Category      Cajun / Creole Restaurant
Name: 1034, dtype: object,
Neighborhood      High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue              A&W
Venue Latitude      43.6655
Venue Longitude     -79.4647
Venue Category      Fast Food Restaurant
Name: 1039, dtype: object,
Neighborhood      High Park, The Junction South
Neighborhood Latitude      43.6616
Neighborhood Longitude     -79.4648
Venue              La Revolucion
Venue Latitude      43.6655
Venue Longitude     -79.4643
Venue Category      Mexican Restaurant
Name: 1040, dtype: object,
Neighborhood      North Toronto West, Lawrence Park
Neighborhood Latitude      43.7154
Neighborhood Longitude     -79.4057
Venue              C'est Bon
Venue Latitude      43.7168
Venue Longitude     -79.4004
Venue Category      Chinese Restaurant
Name: 1041, dtype: object,
Neighborhood      North Toronto West, Lawrence Park
Neighborhood Latitude      43.7154
Neighborhood Longitude     -79.4057
Venue              Sushi Shop
Venue Latitude      43.7139
Venue Longitude     -79.4001
Venue Category      Restaurant
Name: 1046, dtype: object,
Neighborhood      North Toronto West, Lawrence Park
Neighborhood Latitude      43.7154
Neighborhood Longitude     -79.4057
Venue              Tio's Urban Mexican
Venue Latitude      43.7146
Venue Longitude     -79.4
Venue Category      Mexican Restaurant
Name: 1048, dtype: object,
Neighborhood      North Toronto West, Lawrence Park
Neighborhood Latitude      43.7154
Neighborhood Longitude     -79.4057
Venue              A&W
Venue Latitude      43.7151
Venue Longitude     -79.3999
Venue Category      Fast Food Restaurant
Name: 1050, dtype: object,
Neighborhood      North Toronto West, Lawrence Park
Neighborhood Latitude      43.7154
Neighborhood Longitude     -79.4057
Venue              The Captain's Boil
Venue Latitude      43.7158
Venue Longitude     -79.4002
Venue Category      Seafood Restaurant
```



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Name: 1056, dtype: object,
Neighborhood      The Annex, North Midtown, Yorkville
Neighborhood Latitude      43.6727
Neighborhood Longitude     -79.4057
Venue      Roti Cuisine of India
Venue Latitude      43.6746
Venue Longitude     -79.4082
Venue Category      Indian Restaurant
Name: 1061, dtype: object,
Neighborhood      The Annex, North Midtown, Yorkville
Neighborhood Latitude      43.6727
Neighborhood Longitude     -79.4057
Venue      Live Organic Food Bar
Venue Latitude      43.6751
Venue Longitude     -79.4067
Venue Category      Vegetarian / Vegan Restaurant
Name: 1063, dtype: object,
Neighborhood      The Annex, North Midtown, Yorkville
Neighborhood Latitude      43.6727
Neighborhood Longitude     -79.4057
Venue      Fet Zun
Venue Latitude      43.6751
Venue Longitude     -79.4063
Venue Category      Middle Eastern Restaurant
Name: 1066, dtype: object,
Neighborhood      Parkdale, Roncesvalles
Neighborhood Latitude      43.649
Neighborhood Longitude     -79.4563
Venue      La Cubana
Venue Latitude      43.6509
Venue Longitude     -79.4509
Venue Category      Cuban Restaurant
Name: 1081, dtype: object,
Neighborhood      Parkdale, Roncesvalles
Neighborhood Latitude      43.649
Neighborhood Longitude     -79.4563
Venue      Inter Steer
Venue Latitude      43.6498
Venue Longitude     -79.4503
Venue Category      Eastern European Restaurant
Name: 1083, dtype: object,
Neighborhood      Parkdale, Roncesvalles
Neighborhood Latitude      43.649
Neighborhood Longitude     -79.4563
Venue      Domani Restaurant & Wine Bar
Venue Latitude      43.6492
Venue Longitude     -79.4502
Venue Category      Italian Restaurant
Name: 1085, dtype: object,
Neighborhood      Parkdale, Roncesvalles
Neighborhood Latitude      43.649
Neighborhood Longitude     -79.4563
Venue      Cider House
Venue Latitude      43.6507
Venue Longitude     -79.4507
Venue Category      Restaurant
Name: 1087, dtype: object,
Neighborhood      Davisville
Neighborhood Latitude      43.7043
Neighborhood Longitude     -79.3888
Venue      Marigold Indian Bistro
Venue Latitude      43.7029
Venue Longitude     -79.388
Venue Category      Indian Restaurant
```

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Name: 1096, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Zee Grill
Venue Latitude               43.705
Venue Longitude              -79.3885
Venue Category               Seafood Restaurant
Name: 1099, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Positano
Venue Latitude               43.7046
Venue Longitude              -79.3886
Venue Category               Italian Restaurant
Name: 1100, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Sakae Sushi
Venue Latitude               43.7049
Venue Longitude              -79.3887
Venue Category               Sushi Restaurant
Name: 1103, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Florentia Ristorante
Venue Latitude               43.7036
Venue Longitude              -79.388
Venue Category               Italian Restaurant
Name: 1104, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Thai Spicy House
Venue Latitude               43.702
Venue Longitude              -79.3875
Venue Category               Thai Restaurant
Name: 1108, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Hokkaido Sushi
Venue Latitude               43.7081
Venue Longitude              -79.39
Venue Category               Sushi Restaurant
Name: 1111, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       Starving Artist
Venue Latitude               43.7015
Venue Longitude              -79.3872
Venue Category               Restaurant
Name: 1112, dtype: object,
Neighborhood                Davisville
Neighborhood Latitude        43.7043
Neighborhood Longitude       -79.3888
Venue                       souvlaki express
Venue Latitude               43.7074
Venue Longitude              -79.3898
Venue Category               Greek Restaurant
```

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Name: 1116, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Yasu
Venue Latitude      43.6628
Venue Longitude     -79.4032
Venue Category      Japanese Restaurant
Name: 1128, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Rasa
Venue Latitude      43.6628
Venue Longitude     -79.404
Venue Category      Restaurant
Name: 1130, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Piano Piano
Venue Latitude      43.6629
Venue Longitude     -79.4029
Venue Category      Italian Restaurant
Name: 1133, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Cafe Cancan
Venue Latitude      43.6627
Venue Longitude     -79.4034
Venue Category      French Restaurant
Name: 1135, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Akai Sushi
Venue Latitude      43.6625
Venue Longitude     -79.4049
Venue Category      Sushi Restaurant
Name: 1139, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      FLOCK Rotisserie + Greens
Venue Latitude      43.6626
Venue Longitude     -79.4038
Venue Category      Comfort Food Restaurant
Name: 1141, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Harvest Kitchen
Venue Latitude      43.6627
Venue Longitude     -79.4043
Venue Category      Restaurant
Name: 1143, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      Gyubee
Venue Latitude      43.6671
Venue Longitude     -79.4006
Venue Category      Japanese Restaurant
```

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Name: 1146, dtype: object,
Neighborhood      University of Toronto, Harbord
Neighborhood Latitude      43.6627
Neighborhood Longitude     -79.4
Venue      River Tai Restaurant
Venue Latitude      43.6629
Venue Longitude     -79.4032
Venue Category      Chinese Restaurant
Name: 1149, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Asa Sushi
Venue Latitude      43.6499
Venue Longitude     -79.4846
Venue Category      Sushi Restaurant
Name: 1167, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Campo
Venue Latitude      43.6552
Venue Longitude     -79.4871
Venue Category      Italian Restaurant
Name: 1169, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Falafel World
Venue Latitude      43.6498
Venue Longitude     -79.4827
Venue Category      Falafel Restaurant
Name: 1171, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Yumi Sushi
Venue Latitude      43.6499
Venue Longitude     -79.4824
Venue Category      Sushi Restaurant
Name: 1172, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Goodfellas Wood Oven Pizza
Venue Latitude      43.6482
Venue Longitude     -79.4864
Venue Category      Italian Restaurant
Name: 1173, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Amber European Restaurant
Venue Latitude      43.6499
Venue Longitude     -79.482
Venue Category      French Restaurant
Name: 1174, dtype: object,
Neighborhood      Runnymede, Swansea
Neighborhood Latitude      43.6516
Neighborhood Longitude     -79.4844
Venue      Bloom Restaurant
Venue Latitude      43.6503
Venue Longitude     -79.4798
Venue Category      Latin American Restaurant
```

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Name: 1176, dtype: object,
Neighborhood                               Runnymede, Swansea
Neighborhood Latitude                       43.6516
Neighborhood Longitude                     -79.4844
Venue                                       Awai
Venue Latitude                             43.6504
Venue Longitude                           -79.4785
Venue Category                             Vegetarian / Vegan Restaurant
Name: 1179, dtype: object,
Neighborhood                               Runnymede, Swansea
Neighborhood Latitude                       43.6516
Neighborhood Longitude                     -79.4844
Venue                                       Supper Solved
Venue Latitude                             43.6488
Venue Longitude                           -79.4852
Venue Category                             Restaurant
Name: 1191, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Seven Lives - Tacos y Mariscos
Venue Latitude                             43.6544
Venue Longitude                           -79.4005
Venue Category                             Mexican Restaurant
Name: 1203, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Banh Mi Nguyen Huong
Venue Latitude                             43.6536
Venue Longitude                           -79.3984
Venue Category                             Vietnamese Restaurant
Name: 1204, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Golden Patty
Venue Latitude                             43.6547
Venue Longitude                           -79.4012
Venue Category                             Caribbean Restaurant
Name: 1205, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Wafels and More
Venue Latitude                             43.6547
Venue Longitude                           -79.402
Venue Category                             Belgian Restaurant
Name: 1217, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Rasta Pasta
Venue Latitude                             43.6542
Venue Longitude                           -79.4005
Venue Category                             Caribbean Restaurant
Name: 1220, dtype: object,
Neighborhood                               Kensington Market, Chinatown, Grange Park
Neighborhood Latitude                       43.6532
Neighborhood Longitude                     -79.4
Venue                                       Saigon Lotus Restaurant
Venue Latitude                             43.6543
Venue Longitude                           -79.3992
Venue Category                             Vietnamese Restaurant
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Name: 1221, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              Torteria San Cosme
Venue Latitude          43.6547
Venue Longitude         -79.4006
Venue Category         Mexican Restaurant
Name: 1223, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              King's Cafe
Venue Latitude          43.6543
Venue Longitude         -79.4019
Venue Category         Vegetarian / Vegan Restaurant
Name: 1225, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              FILM CAFE
Venue Latitude          43.6551
Venue Longitude         -79.4023
Venue Category         Comfort Food Restaurant
Name: 1226, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              Hibiscus
Venue Latitude          43.6555
Venue Longitude         -79.4024
Venue Category         Vegetarian / Vegan Restaurant
Name: 1228, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              Juicy Dumpling
Venue Latitude          43.6527
Venue Longitude         -79.3985
Venue Category         Dumpling Restaurant
Name: 1232, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              El Trompo
Venue Latitude          43.6558
Venue Longitude         -79.4026
Venue Category         Mexican Restaurant
Name: 1233, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              Buddha's Vegetarian
Venue Latitude          43.6519
Venue Longitude         -79.4033
Venue Category         Vegetarian / Vegan Restaurant
Name: 1238, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue              Otto's Berlin Döner
Venue Latitude          43.6564
Venue Longitude         -79.4028
Venue Category         Doner Restaurant
```

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Name: 1240, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue      Kanto
Venue Latitude      43.6522
Venue Longitude     -79.4048
Venue Category      Filipino Restaurant

Name: 1242, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue      Urban Herbivore
Venue Latitude      43.6562
Venue Longitude     -79.4027
Venue Category      Vegetarian / Vegan Restaurant

Name: 1247, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue      Gushi
Venue Latitude      43.6523
Venue Longitude     -79.4049
Venue Category      Japanese Restaurant

Name: 1255, dtype: object,
Neighborhood      Kensington Market, Chinatown, Grange Park
Neighborhood Latitude      43.6532
Neighborhood Longitude     -79.4
Venue      Pho Tien
Venue Latitude      43.6528
Venue Longitude     -79.4062
Venue Category      Vietnamese Restaurant

Name: 1265, dtype: object,
Neighborhood      Summerhill West, Rathnelly, South Hill, Forest...
Neighborhood Latitude      43.6864
Neighborhood Longitude     -79.4
Venue      Union Social Eatery
Venue Latitude      43.6879
Venue Longitude     -79.3949
Venue Category      American Restaurant

Name: 1269, dtype: object,
Neighborhood      Summerhill West, Rathnelly, South Hill, Forest...
Neighborhood Latitude      43.6864
Neighborhood Longitude     -79.4
Venue      Daeco Sushi
Venue Latitude      43.6878
Venue Longitude     -79.3957
Venue Category      Sushi Restaurant

Name: 1270, dtype: object,
Neighborhood      Summerhill West, Rathnelly, South Hill, Forest...
Neighborhood Latitude      43.6864
Neighborhood Longitude     -79.4
Venue      Mary Be Kitchen
Venue Latitude      43.6877
Venue Longitude     -79.3951
Venue Category      Restaurant

Name: 1271, dtype: object,
Neighborhood      Summerhill West, Rathnelly, South Hill, Forest...
Neighborhood Latitude      43.6864
Neighborhood Longitude     -79.4
Venue      Sprout
Venue Latitude      43.688
Venue Longitude     -79.3947
Venue Category      Vietnamese Restaurant
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Name: 1279, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Fresh On Front
Venue Latitude                43.6478
Venue Longitude                -79.3745
Venue Category                Vegetarian / Vegan Restaurant
Name: 1303, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        The Keg Steakhouse + Bar - Esplanade
Venue Latitude                43.6467
Venue Longitude                -79.3748
Venue Category                Restaurant
Name: 1304, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Biff's Bistro
Venue Latitude                43.6471
Venue Longitude                -79.3763
Venue Category                French Restaurant
Name: 1307, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Sukhothai
Venue Latitude                43.6485
Venue Longitude                -79.3745
Venue Category                Thai Restaurant
Name: 1312, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Market Street Catch
Venue Latitude                43.6485
Venue Longitude                -79.3718
Venue Category                Seafood Restaurant
Name: 1320, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Buster's Sea Cove
Venue Latitude                43.6485
Venue Longitude                -79.3715
Venue Category                Seafood Restaurant
Name: 1327, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Loaded Pierogi
Venue Latitude                43.648
Venue Longitude                -79.3734
Venue Category                Comfort Food Restaurant
Name: 1328, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude        -79.3748
Venue                        Chotto Matte
Venue Latitude                43.6465
Venue Longitude                -79.3788
Venue Category                Japanese Restaurant
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Name: 1331, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        Ki Modern Japanese + Bar
Venue Latitude                43.6472
Venue Longitude               -79.3794
Venue Category                Japanese Restaurant
Name: 1338, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        The Works Gourmet Burger Bistro
Venue Latitude                43.6487
Venue Longitude               -79.3741
Venue Category                Restaurant
Name: 1343, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        Victoria's Restaurant
Venue Latitude                43.6493
Venue Longitude               -79.3764
Venue Category                Restaurant
Name: 1344, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        Carisma
Venue Latitude                43.6496
Venue Longitude               -79.3754
Venue Category                Italian Restaurant
Name: 1345, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        Woods Restaurant & Bar
Venue Latitude                43.6494
Venue Longitude               -79.375
Venue Category                Molecular Gastronomy Restaurant
Name: 1350, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        The Old Spaghetti Factory
Venue Latitude                43.647
Venue Longitude               -79.3744
Venue Category                Italian Restaurant
Name: 1352, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        NAMI
Venue Latitude                43.6509
Venue Longitude               -79.3759
Venue Category                Japanese Restaurant
Name: 1375, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude        43.6464
Neighborhood Longitude       -79.3748
Venue                        Buster's Sea Cove
Venue Latitude                43.6478
Venue Longitude               -79.3792
Venue Category                Seafood Restaurant
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Name: 1380, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude       43.6464
Neighborhood Longitude      -79.3748
Venue                       European Delight
Venue Latitude              43.6487
Venue Longitude             -79.3715
Venue Category              Eastern European Restaurant
Name: 1385, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude       43.6464
Neighborhood Longitude      -79.3748
Venue                       Mirto
Venue Latitude              43.6507
Venue Longitude             -79.3763
Venue Category              Italian Restaurant
Name: 1388, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude       43.6464
Neighborhood Longitude      -79.3748
Venue                       Jump
Venue Latitude              43.6481
Venue Longitude             -79.3788
Venue Category              American Restaurant
Name: 1389, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude       43.6464
Neighborhood Longitude      -79.3748
Venue                       iQ Food Co
Venue Latitude              43.6475
Venue Longitude             -79.3791
Venue Category              Fast Food Restaurant
Name: 1391, dtype: object,
Neighborhood                Stn A PO Boxes
Neighborhood Latitude       43.6464
Neighborhood Longitude      -79.3748
Venue                       Oyshi Sushi
Venue Latitude              43.6423
Venue Longitude             -79.3759
Venue Category              Sushi Restaurant
Name: 1397, dtype: object,
Neighborhood                St. James Town, Cabbagetown
Neighborhood Latitude       43.668
Neighborhood Longitude      -79.3677
Venue                       F'Amelia
Venue Latitude              43.6675
Venue Longitude             -79.3686
Venue Category              Italian Restaurant
Name: 1401, dtype: object,
Neighborhood                St. James Town, Cabbagetown
Neighborhood Latitude       43.668
Neighborhood Longitude      -79.3677
Venue                       Butter Chicken Factory
Venue Latitude              43.6671
Venue Longitude             -79.3692
Venue Category              Indian Restaurant
Name: 1402, dtype: object,
Neighborhood                St. James Town, Cabbagetown
Neighborhood Latitude       43.668
Neighborhood Longitude      -79.3677
Venue                       Kingyo Toronto
Venue Latitude              43.6659
Venue Longitude             -79.3684
Venue Category              Japanese Restaurant
```

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Name: 1403, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Murgatroid
Venue Latitude          43.6674
Venue Longitude         -79.3693
Venue Category          Restaurant
Name: 1404, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Mr. Jerk
Venue Latitude          43.6673
Venue Longitude         -79.3734
Venue Category          Caribbean Restaurant
Name: 1415, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Kanpai Snack Bar
Venue Latitude          43.6643
Venue Longitude         -79.3681
Venue Category          Taiwanese Restaurant
Name: 1416, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  The Pear Tree
Venue Latitude          43.6649
Venue Longitude         -79.3682
Venue Category          Restaurant
Name: 1419, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Thai Room - Carlton
Venue Latitude          43.6642
Venue Longitude         -79.3682
Venue Category          Thai Restaurant
Name: 1421, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Hey Lucy
Venue Latitude          43.6641
Venue Longitude         -79.3687
Venue Category          Italian Restaurant
Name: 1423, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  China Gourmet
Venue Latitude          43.6642
Venue Longitude         -79.3684
Venue Category          Chinese Restaurant
Name: 1433, dtype: object,
Neighborhood          St. James Town, Cabbagetown
Neighborhood Latitude          43.668
Neighborhood Longitude         -79.3677
Venue                  Cabbage Town Kitchen
Venue Latitude          43.6682
Venue Longitude         -79.3696
Venue Category          American Restaurant
```

```
Name: 1437, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Canoe
Venue Latitude        43.6475
Venue Longitude       -79.3813
Venue Category        Restaurant
Name: 1447, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              The Keg Steakhouse + Bar - York Street
Venue Latitude        43.65
Venue Longitude       -79.3841
Venue Category        Restaurant
Name: 1450, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Cactus Club Cafe
Venue Latitude        43.6496
Venue Longitude       -79.3817
Venue Category        American Restaurant
Name: 1452, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              John & Sons Oyster House
Venue Latitude        43.6507
Venue Longitude       -79.3816
Venue Category        Seafood Restaurant
Name: 1461, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Bymark
Venue Latitude        43.6472
Venue Longitude       -79.3813
Venue Category        Restaurant
Name: 1462, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Bosk at Shangri-La
Venue Latitude        43.649
Venue Longitude       -79.3858
Venue Category        Asian Restaurant
Name: 1464, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Kupfert & Kim (First Canadian Place)
Venue Latitude        43.6485
Venue Longitude       -79.3816
Venue Category        Gluten-free Restaurant
Name: 1468, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Ki Modern Japanese + Bar
Venue Latitude        43.6472
Venue Longitude       -79.3794
Venue Category        Japanese Restaurant
```

```
Name: 1470, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Rosalinda
Venue Latitude      43.6503
Venue Longitude     -79.3852
Venue Category      Vegetarian / Vegan Restaurant
Name: 1471, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              John & Sons Oyster House
Venue Latitude      43.6506
Venue Longitude     -79.3816
Venue Category      Seafood Restaurant
Name: 1474, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              The Chase
Venue Latitude      43.651
Venue Longitude     -79.3794
Venue Category      New American Restaurant
Name: 1486, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Richmond Station
Venue Latitude      43.6516
Venue Longitude     -79.3793
Venue Category      American Restaurant
Name: 1488, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Estiatorio Volos
Venue Latitude      43.6503
Venue Longitude     -79.3845
Venue Category      Greek Restaurant
Name: 1495, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Bardi's Steak House
Venue Latitude      43.6462
Venue Longitude     -79.3831
Venue Category      Restaurant
Name: 1501, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              The Gabardine
Venue Latitude      43.651
Venue Longitude     -79.3812
Venue Category      American Restaurant
Name: 1505, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Chotto Matte
Venue Latitude      43.6465
Venue Longitude     -79.3788
Venue Category      Japanese Restaurant
```

```
Name: 1510, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Byblos Toronto
Venue Latitude        43.6476
Venue Longitude       -79.3884
Venue Category        Mediterranean Restaurant
Name: 1511, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Tachi
Venue Latitude        43.6506
Venue Longitude       -79.3834
Venue Category        Sushi Restaurant
Name: 1512, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Ninki Izakaya
Venue Latitude        43.6502
Venue Longitude       -79.3849
Venue Category        Japanese Restaurant
Name: 1515, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Kojin
Venue Latitude        43.6494
Venue Longitude       -79.3861
Venue Category        Colombian Restaurant
Name: 1518, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              JaBistro
Venue Latitude        43.6497
Venue Longitude       -79.3881
Venue Category        Sushi Restaurant
Name: 1525, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Sweet Lulu
Venue Latitude        43.6506
Venue Longitude       -79.3812
Venue Category        Asian Restaurant
Name: 1526, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              The Burger's Priest
Venue Latitude        43.6486
Venue Longitude       -79.3875
Venue Category        Fast Food Restaurant
Name: 1530, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Copacabana Grilled Brazilian
Venue Latitude        43.6483
Venue Longitude       -79.3882
Venue Category        Brazilian Restaurant
```

```
Name: 1532, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Fune Japanese Restaurant
Venue Latitude        43.6485
Venue Longitude       -79.3865
Venue Category        Japanese Restaurant
Name: 1533, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Buster's Sea Cove
Venue Latitude        43.6478
Venue Longitude       -79.3792
Venue Category        Seafood Restaurant
Name: 1535, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Noodle King
Venue Latitude        43.6517
Venue Longitude       -79.383
Venue Category        Asian Restaurant
Name: 1537, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Mercatto
Venue Latitude        43.6502
Venue Longitude       -79.3808
Venue Category        Italian Restaurant
Name: 1543, dtype: object,
Neighborhood      First Canadian Place, Underground city
Neighborhood Latitude      43.6484
Neighborhood Longitude     -79.3823
Venue              Thai Island
Venue Latitude        43.6491
Venue Longitude       -79.3838
Venue Category        Thai Restaurant
Name: 1544, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Storm Crow Manor
Venue Latitude        43.6668
Venue Longitude       -79.3816
Venue Category        Theme Restaurant
Name: 1545, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Fabarnak
Venue Latitude        43.6664
Venue Longitude       -79.381
Venue Category        Restaurant
Name: 1552, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Sansotei Ramen 三草亭
Venue Latitude        43.6667
Venue Longitude       -79.3854
Venue Category        Ramen Restaurant
```

```
Name: 1553, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Como En Casa
Venue Latitude      43.6652
Venue Longitude     -79.3848
Venue Category      Mexican Restaurant
Name: 1555, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Si Lom
Venue Latitude      43.665
Venue Longitude     -79.3807
Venue Category      Thai Restaurant
Name: 1556, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Tokyo Grill
Venue Latitude      43.6651
Venue Longitude     -79.3847
Venue Category      Japanese Restaurant
Name: 1560, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Tokyo Sushi
Venue Latitude      43.6659
Venue Longitude     -79.387
Venue Category      Sushi Restaurant
Name: 1567, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Kothur Indian Cuisine
Venue Latitude      43.6679
Venue Longitude     -79.3857
Venue Category      Indian Restaurant
Name: 1571, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Wish
Venue Latitude      43.6688
Venue Longitude     -79.3857
Venue Category      Restaurant
Name: 1577, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Tokyo Kitchen
Venue Latitude      43.6688
Venue Longitude     -79.3852
Venue Category      Japanese Restaurant
Name: 1583, dtype: object,
Neighborhood      Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue              Kawa Sushi
Venue Latitude      43.6639
Venue Longitude     -79.3802
Venue Category      Japanese Restaurant
```



```
Name: 1584, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Tabriz Persian Cookhouse
Venue Latitude          43.6653
Venue Longitude         -79.3875
Venue Category          Persian Restaurant
Name: 1586, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  The Blake House
Venue Latitude          43.6645
Venue Longitude         -79.3775
Venue Category          American Restaurant
Name: 1590, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Wow! Sushi
Venue Latitude          43.6685
Venue Longitude         -79.3867
Venue Category          Sushi Restaurant
Name: 1591, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Constantine
Venue Latitude          43.6688
Venue Longitude         -79.3853
Venue Category          Mediterranean Restaurant
Name: 1592, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  O. Noir
Venue Latitude          43.6691
Venue Longitude         -79.3825
Venue Category          Restaurant
Name: 1593, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Rolltation
Venue Latitude          43.6694
Venue Longitude         -79.3866
Venue Category          Sushi Restaurant
Name: 1596, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Ritz Caribbean Food
Venue Latitude          43.6695
Venue Longitude         -79.3865
Venue Category          Caribbean Restaurant
Name: 1600, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude          43.6659
Neighborhood Longitude         -79.3832
Venue                  Naan & Kabob
Venue Latitude          43.669
Venue Longitude         -79.3862
Venue Category          Afghan Restaurant
```

```
Name: 1601, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue                  Onnki Donburi
Venue Latitude           43.6698
Venue Longitude          -79.3846
Venue Category          Japanese Restaurant
Name: 1602, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue                  The Salad House
Venue Latitude           43.6695
Venue Longitude          -79.3861
Venue Category          Mediterranean Restaurant
Name: 1603, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue                  Kokoni Izakaya
Venue Latitude           43.6642
Venue Longitude          -79.3803
Venue Category          Japanese Restaurant
Name: 1608, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue                  A&W
Venue Latitude           43.6664
Venue Longitude          -79.3782
Venue Category          Fast Food Restaurant
Name: 1616, dtype: object,
Neighborhood          Church and Wellesley
Neighborhood Latitude      43.6659
Neighborhood Longitude     -79.3832
Venue                  Asahi Sushi
Venue Latitude           43.6699
Venue Longitude          -79.3829
Venue Category          Sushi Restaurant
```

Regroup the data into a pandas dataframe

```
In [18]: toronto_resto = pd.DataFrame(restaurant_type_list)
toronto_resto.reset_index(drop=True, inplace=True)
print("Toronto Resto shape : ", toronto_resto.shape)
toronto_resto.head()
```

Toronto Resto shape : (383, 7)

Out[18]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Regent Park, Harbourfront	43.654260	-79.360636	Impact Kitchen	43.656369	-79.356980	Restaurant
1	Regent Park, Harbourfront	43.654260	-79.360636	Cluny Bistro & Boulangerie	43.650565	-79.357843	French Restaurant
2	Regent Park, Harbourfront	43.654260	-79.360636	El Catrin	43.650601	-79.358920	Mexican Restaurant
3	Regent Park, Harbourfront	43.654260	-79.360636	Flame Shack	43.656844	-79.358917	Restaurant
4	Queen's Park, Ontario Provincial Government	43.662301	-79.389494	Nando's	43.661728	-79.386391	Portuguese Restaurant

3.2 Displaying the different restaurants on a map

Importing the necessary libraries

```
In [19]: from geopy.geocoders import Nominatim # convert an address into latitude and longitude values

from pandas.io.json import json_normalize # transform JSON file into a pandas dataframe

# Matplotlib and associated plotting modules
import matplotlib.cm as cm
import matplotlib.colors as colors

# import k-means from clustering stage
from sklearn.cluster import KMeans

#!conda install -c conda-forge folium=0.5.0 --yes # uncomment this line if you have
n't completed the Foursquare API lab
import folium # map rendering library
```

Creating the map

```
In [20]: address = 'Toronto, Canada'

geolocator = Nominatim(user_agent="xxx")
location = geolocator.geocode(address)
latitude = location.latitude
longitude = location.longitude
print('The geograpical coordinate of Toronto are {}, {}'.format(latitude, longitude))
```

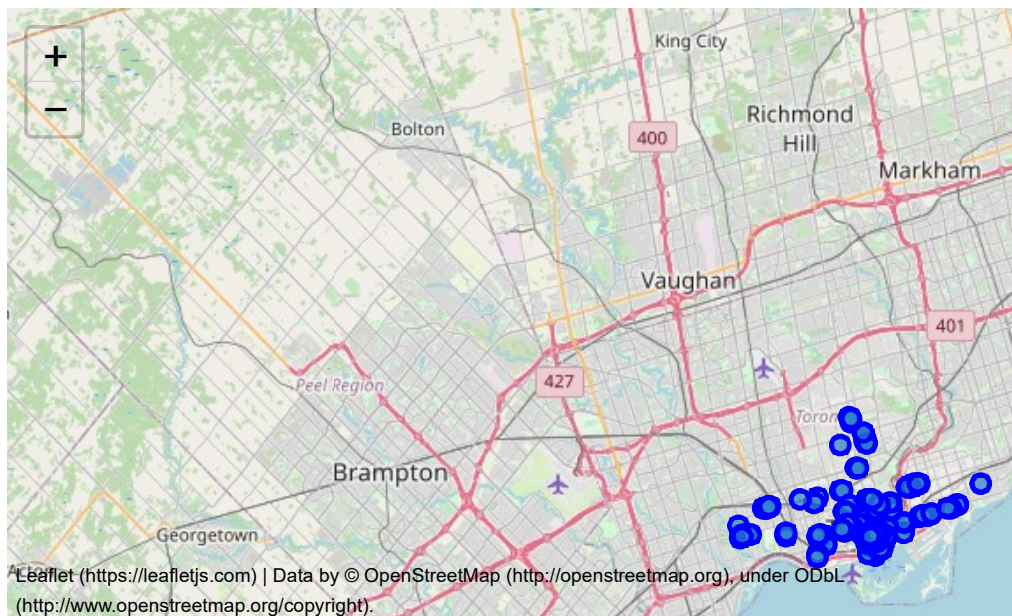
The geograpical coordinate of Toronto are 43.6534817, -79.3839347.

```
In [21]: map_toronto = folium.Map(location=[latitude, longitude], zoom_start=10)

# add markers to map
for lat, lng, venue_cat, neighborhood in zip(toronto_resto['Venue Latitude'], toronto_resto['Venue Longitude'], toronto_resto['Venue Category'], toronto_resto['Neighborhood']):
    label = '{} , {}'.format(neighborhood, venue_cat)
    label = folium.Popup(label, parse_html=True)
    folium.CircleMarker(
        [lat, lng],
        radius=5,
        popup=label,
        color='blue',
        fill=True,
        fill_color='#3186cc',
        fill_opacity=0.7,
        parse_html=False).add_to(map_toronto)

map_toronto
```

Out [21]:



Sorting Restaurants by frequency

```
In [22]: toronto_resto['Venue Category'].value_counts()
```

```
Out[22]: Restaurant                    54
         Italian Restaurant             38
         Japanese Restaurant            32
         Sushi Restaurant                25
         Seafood Restaurant             23
         American Restaurant            22
         Vegetarian / Vegan Restaurant  18
         Thai Restaurant                17
         Asian Restaurant               13
         Greek Restaurant               12
         Fast Food Restaurant            11
         Mexican Restaurant              11
         French Restaurant               10
         New American Restaurant         9
         Indian Restaurant               7
         Middle Eastern Restaurant        7
         Vietnamese Restaurant           7
         Comfort Food Restaurant          6
         Chinese Restaurant              6
         Caribbean Restaurant             5
         Gluten-free Restaurant           4
         Mediterranean Restaurant         4
         Ramen Restaurant                 4
         Latin American Restaurant        3
         Modern European Restaurant       3
         Eastern European Restaurant      3
         Colombian Restaurant             2
         Korean Restaurant                2
         Brazilian Restaurant             2
         Persian Restaurant               2
         Portuguese Restaurant            2
         Cuban Restaurant                 2
         Moroccan Restaurant              2
         Falafel Restaurant               2
         Belgian Restaurant               2
         Doner Restaurant                 1
         Molecular Gastronomy Restaurant  1
         Malay Restaurant                 1
         German Restaurant                1
         Cajun / Creole Restaurant         1
         Dumpling Restaurant              1
         Ethiopian Restaurant             1
         Afghan Restaurant                1
         Filipino Restaurant              1
         Taiwanese Restaurant             1
         Theme Restaurant                  1
         Name: Venue Category, dtype: int64
```

Defining where the moroccan Venues are located

```
In [23]: toronto_resto[toronto_resto['Venue Category'] == 'Moroccan Restaurant']
```

Out [23]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
51	St. James Town	43.651494	-79.375418	Berber SOCIAL	43.648114	-79.374046	Moroccan Restaurant
52	St. James Town	43.651494	-79.375418	The Sultan's Tent and Cafe Moroc	43.647928	-79.374341	Moroccan Restaurant

We can notice that there are only 2 moroccan restaurants in all the areas scouted, both located in the neighborhood of St. James Town

3.3 Analysing each Restaurant Type

```
In [24]: toronto_onehot = pd.get_dummies(toronto_resto[['Venue Category']], prefix="", prefix_sep="")

toronto_onehot.head()
```

Out [24]:

	Afghan Restaurant	American Restaurant	Asian Restaurant	Belgian Restaurant	Brazilian Restaurant	Cajun / Creole Restaurant	Caribbean Restaurant	Chinese Restaurant	Colombian Restaurant
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0

5 rows × 46 columns

```
In [25]: toronto_onehot['Neighborhood'] = toronto_resto['Neighborhood']

# move neighborhood column to the first column
fixed_columns = [toronto_onehot.columns[-1]] + list(toronto_onehot.columns[:-1])
toronto_onehot = toronto_onehot[fixed_columns]

toronto_onehot.head()
```

Out[25]:

	Neighborhood	Afghan Restaurant	American Restaurant	Asian Restaurant	Belgian Restaurant	Brazilian Restaurant	Cajun / Creole Restaurant	Caribbean Restaurant	Chinese Restaurant
0	Regent Park, Harbourfront	0	0	0	0	0	0	0	0
1	Regent Park, Harbourfront	0	0	0	0	0	0	0	0
2	Regent Park, Harbourfront	0	0	0	0	0	0	0	0
3	Regent Park, Harbourfront	0	0	0	0	0	0	0	0
4	Queen's Park, Ontario Provincial Government	0	0	0	0	0	0	0	0

5 rows × 47 columns

```
In [26]: toronto_onehot.shape
```

Out[26]: (383, 47)

```
In [27]: toronto_grouped = toronto_onehot.groupby('Neighborhood').mean().reset_index()  
toronto_grouped
```


Out [27] :

	Neighborhood	Afghan Restaurant	American Restaurant	Asian Restaurant	Belgian Restaurant	Brazilian Restaurant	Cajun / Creole Restaurant	Caribbean Restaurant	Chin
0	Berczy Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1	Brockton, Parkdale Village, Exhibition Place	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2	Business reply mail Processing Centre, South C...	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
3	Central Bay Street	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	Christie	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	Church and Wellesley	0.041667	0.041667	0.000000	0.000000	0.000000	0.000000	0.041667	0.000000
6	Commerce Court, Victoria Hotel	0.000000	0.148148	0.074074	0.000000	0.000000	0.000000	0.000000	0.000000
7	Davisville	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
8	Dufferin, Dovercourt Village	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
9	First Canadian Place, Underground city	0.000000	0.103448	0.103448	0.000000	0.034483	0.000000	0.000000	0.000000
10	Forest Hill North & West, Forest Hill Road Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
11	Garden District, Ryerson	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.041667
12	Harbourfront East, Union Station, Toronto Islands	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.074074
13	High Park, The Junction South	0.000000	0.000000	0.000000	0.000000	0.000000	0.142857	0.000000	0.000000
14	India Bazaar, The Beaches West	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
15	Kensington Market, Chinatown, Grange Park	0.000000	0.000000	0.000000	0.055556	0.000000	0.000000	0.111111	0.000000
16	Little Portugal, Trinity	0.000000	0.000000	0.176471	0.000000	0.000000	0.000000	0.000000	0.000000
17	North Toronto West, Lawrence Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.200000

	Neighborhood	Afghan Restaurant	American Restaurant	Asian Restaurant	Belgian Restaurant	Brazilian Restaurant	Cajun / Creole Restaurant	Caribbean Restaurant	Chinese Restaurant
18	Parkdale, Roncesvalles	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
19	Queen's Park, Ontario Provincial Government	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
20	Regent Park, Harbourfront	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
21	Richmond, Adelaide, King	0.000000	0.086957	0.043478	0.000000	0.043478	0.000000	0.000000	0.000000
22	Runnymede, Swansea	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
23	St. James Town	0.000000	0.130435	0.043478	0.043478	0.000000	0.000000	0.000000	0.000000
24	St. James Town, Cabbagetown	0.000000	0.090909	0.000000	0.000000	0.000000	0.000000	0.090909	0.090909
25	Stn A PO Boxes	0.000000	0.047619	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
26	Studio District	0.000000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
27	Summerhill West, Rathnelly, South Hill, Forest...	0.000000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
28	The Annex, North Midtown, Yorkville	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
29	The Beaches	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000
30	The Danforth West, Riverdale	0.000000	0.062500	0.000000	0.000000	0.000000	0.000000	0.062500	0.000000
--	Toronto Dominion	-----	-----	-----	-----	-----	-----	-----	-----

Restaurant frequency per neighborhood

```
In [28]: num_top_venues = 5

for hood in toronto_grouped['Neighborhood']:
    print("----"+hood+"----")
    temp = toronto_grouped[toronto_grouped['Neighborhood'] == hood].T.reset_index()
    temp.columns = ['venue', 'freq']
    temp = temp.iloc[1:]
    temp['freq'] = temp['freq'].astype(float)
    temp = temp.round({'freq': 2})
    print(temp.sort_values('freq', ascending=False).reset_index(drop=True).head(num_top_venues))
    print('\n')
```

----Berczy Park----

	venue	freq
0	Seafood Restaurant	0.15
1	Restaurant	0.15
2	Italian Restaurant	0.08
3	Greek Restaurant	0.08
4	French Restaurant	0.08

----Brockton, Parkdale Village, Exhibition Place----

	venue	freq
0	Italian Restaurant	0.5
1	Restaurant	0.5
2	New American Restaurant	0.0
3	Korean Restaurant	0.0
4	Latin American Restaurant	0.0

----Business reply mail Processing Centre, South Central Letter Processing Plant Toronto----

	venue	freq
0	Fast Food Restaurant	0.5
1	Restaurant	0.5
2	Afghan Restaurant	0.0
3	New American Restaurant	0.0
4	Latin American Restaurant	0.0

----Central Bay Street----

	venue	freq
0	Italian Restaurant	0.17
1	Japanese Restaurant	0.11
2	Vegetarian / Vegan Restaurant	0.06
3	Portuguese Restaurant	0.06
4	Indian Restaurant	0.06

----Christie----

	venue	freq
0	Italian Restaurant	0.5
1	Restaurant	0.5
2	New American Restaurant	0.0
3	Korean Restaurant	0.0
4	Latin American Restaurant	0.0

----Church and Wellesley----

	venue	freq
0	Japanese Restaurant	0.21
1	Sushi Restaurant	0.17
2	Restaurant	0.12
3	Mediterranean Restaurant	0.08
4	American Restaurant	0.04

----Commerce Court, Victoria Hotel----

	venue	freq
0	Restaurant	0.26
1	American Restaurant	0.15
2	Seafood Restaurant	0.11
3	Italian Restaurant	0.07
4	Thai Restaurant	0.07

----Davisville----

	venue	freq
0	Italian Restaurant	0.22
1	Sushi Restaurant	0.22
2	Indian Restaurant	0.11
3	Greek Restaurant	0.11
4	Thai Restaurant	0.11

----Dufferin, Dovercourt Village----

	venue	freq
0	Middle Eastern Restaurant	1.0
1	Afghan Restaurant	0.0
2	New American Restaurant	0.0
3	Korean Restaurant	0.0
4	Latin American Restaurant	0.0

----First Canadian Place, Underground city----

	venue	freq
0	Restaurant	0.14
1	Japanese Restaurant	0.14
2	Asian Restaurant	0.10
3	American Restaurant	0.10
4	Seafood Restaurant	0.10

----Forest Hill North & West, Forest Hill Road Park----

	venue	freq
0	Sushi Restaurant	1.0
1	Afghan Restaurant	0.0
2	New American Restaurant	0.0
3	Korean Restaurant	0.0
4	Latin American Restaurant	0.0

----Garden District, Ryerson----

	venue	freq
0	Japanese Restaurant	0.14
1	Italian Restaurant	0.10
2	Ramen Restaurant	0.10
3	Middle Eastern Restaurant	0.10
4	Fast Food Restaurant	0.10

----Harbourfront East, Union Station, Toronto Islands----

	venue	freq
0	Italian Restaurant	0.23
1	Restaurant	0.23
2	Vegetarian / Vegan Restaurant	0.08
3	Indian Restaurant	0.08
4	Sushi Restaurant	0.08

----High Park, The Junction South----

	venue	freq
0	Thai Restaurant	0.29
1	Mexican Restaurant	0.29
2	Italian Restaurant	0.14
3	Cajun / Creole Restaurant	0.14
4	Fast Food Restaurant	0.14

----India Bazaar, The Beaches West----

	venue	freq
0	Italian Restaurant	0.25
1	Sushi Restaurant	0.25
2	Restaurant	0.25
3	Fast Food Restaurant	0.25
4	Moroccan Restaurant	0.00

----Kensington Market, Chinatown, Grange Park----

	venue	freq
0	Vegetarian / Vegan Restaurant	0.22
1	Vietnamese Restaurant	0.17
2	Mexican Restaurant	0.17
3	Caribbean Restaurant	0.11
4	Belgian Restaurant	0.06

----Little Portugal, Trinity----

	venue	freq
0	Asian Restaurant	0.18
1	Vietnamese Restaurant	0.12
2	Restaurant	0.12
3	French Restaurant	0.06
4	Vegetarian / Vegan Restaurant	0.06

----North Toronto West, Lawrence Park----

	venue	freq
0	Mexican Restaurant	0.2
1	Chinese Restaurant	0.2
2	Seafood Restaurant	0.2
3	Restaurant	0.2
4	Fast Food Restaurant	0.2

----Parkdale, Roncesvalles----

	venue	freq
0	Italian Restaurant	0.25
1	Eastern European Restaurant	0.25
2	Restaurant	0.25
3	Cuban Restaurant	0.25
4	Latin American Restaurant	0.00

----Queen's Park, Ontario Provincial Government----

	venue	freq
0	Italian Restaurant	0.12
1	Sushi Restaurant	0.12
2	Mexican Restaurant	0.12
3	Portuguese Restaurant	0.12
4	Restaurant	0.12

----Regent Park, Harbourfront----

	venue	freq
0	Restaurant	0.50
1	French Restaurant	0.25
2	Mexican Restaurant	0.25
3	Afghan Restaurant	0.00
4	New American Restaurant	0.00

----Richmond, Adelaide, King----

	venue	freq
0	Restaurant	0.17
1	Thai Restaurant	0.13
2	Sushi Restaurant	0.09
3	American Restaurant	0.09
4	Modern European Restaurant	0.04

----Runnymede, Swansea----

	venue	freq
0	Italian Restaurant	0.22
1	Sushi Restaurant	0.22
2	Vegetarian / Vegan Restaurant	0.11
3	Latin American Restaurant	0.11
4	Restaurant	0.11

----St. James Town----

	venue	freq
0	Restaurant	0.13
1	American Restaurant	0.13
2	Italian Restaurant	0.09
3	Moroccan Restaurant	0.09
4	Seafood Restaurant	0.09

----St. James Town, Cabbagetown----

	venue	freq
0	Italian Restaurant	0.18
1	Restaurant	0.18
2	Caribbean Restaurant	0.09
3	American Restaurant	0.09
4	Indian Restaurant	0.09

----Stn A PO Boxes----

	venue	freq
0	Italian Restaurant	0.14
1	Japanese Restaurant	0.14
2	Seafood Restaurant	0.14
3	Restaurant	0.14
4	Comfort Food Restaurant	0.05

----Studio District----

	venue	freq
0	American Restaurant	0.25
1	Seafood Restaurant	0.12
2	Latin American Restaurant	0.12
3	Middle Eastern Restaurant	0.12
4	Comfort Food Restaurant	0.12

----Summerhill West, Rathnelly, South Hill, Forest Hill SE, Deer Park----

	venue	freq
0	Vietnamese Restaurant	0.25
1	Sushi Restaurant	0.25
2	Restaurant	0.25
3	American Restaurant	0.25
4	Moroccan Restaurant	0.00

----The Annex, North Midtown, Yorkville----

	venue	freq
--	-------	------

```

0          Indian Restaurant  0.33
1 Vegetarian / Vegan Restaurant  0.33
2      Middle Eastern Restaurant  0.33
3      New American Restaurant  0.00
4          Korean Restaurant  0.00

```

----The Beaches----

```

          venue  freq
0      Asian Restaurant  1.0
1      Afghan Restaurant  0.0
2      Persian Restaurant  0.0
3 Latin American Restaurant  0.0
4      Malay Restaurant  0.0

```

----The Danforth West, Riverdale----

```

          venue  freq
0      Greek Restaurant  0.44
1      Italian Restaurant  0.19
2          Restaurant  0.12
3      American Restaurant  0.06
4      Indian Restaurant  0.06

```

----Toronto Dominion Centre, Design Exchange----

```

          venue  freq
0          Restaurant  0.15
1      Italian Restaurant  0.12
2      Seafood Restaurant  0.12
3      Japanese Restaurant  0.12
4      American Restaurant  0.12

```

----University of Toronto, Harbord----

```

          venue  freq
0      Japanese Restaurant  0.22
1          Restaurant  0.22
2          Sushi Restaurant  0.11
3      French Restaurant  0.11
4      Comfort Food Restaurant  0.11

```

Regroup data into pandas Dataframe

```

In [29]: def return_most_common_venues(row, num_top_venues):
          row_categories = row.iloc[1:]
          row_categories_sorted = row_categories.sort_values(ascending=False)

          return row_categories_sorted.index.values[0:num_top_venues]

```



```
In [30]: num_top_venues = 10

indicators = ['st', 'nd', 'rd']

# create columns according to number of top venues
columns = ['Neighborhood']
for ind in np.arange(num_top_venues):
    try:
        columns.append('{}{} Most Common Restaurant Type'.format(ind+1, indicators[ind]))
    except:
        columns.append('{}th Most Common Restaurant Type'.format(ind+1))

# create a new dataframe
neighborhoods_venues_sorted = pd.DataFrame(columns=columns)
neighborhoods_venues_sorted['Neighborhood'] = toronto_grouped['Neighborhood']

for ind in np.arange(toronto_grouped.shape[0]):
    neighborhoods_venues_sorted.iloc[ind, 1:] = return_most_common_venues(toronto_grouped.iloc[ind, :], num_top_venues)

neighborhoods_venues_sorted
```

Out [30]:

	Neighborhood	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type	7th Most Common Restaurant Type	F
0	Berczy Park	Seafood Restaurant	Restaurant	Thai Restaurant	Greek Restaurant	Sushi Restaurant	Vegetarian / Vegan Restaurant	Italian Restaurant	
1	Brockton, Parkdale Village, Exhibition Place	Italian Restaurant	Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	
2	Business reply mail Processing Centre, South C...	Fast Food Restaurant	Restaurant	Vietnamese Restaurant	Cuban Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	
3	Central Bay Street	Italian Restaurant	Japanese Restaurant	Indian Restaurant	New American Restaurant	French Restaurant	Vegetarian / Vegan Restaurant	Korean Restaurant	
4	Christie	Italian Restaurant	Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	
5	Church and Wellesley	Japanese Restaurant	Sushi Restaurant	Restaurant	Mediterranean Restaurant	Indian Restaurant	Persian Restaurant	American Restaurant	
6	Commerce Court, Victoria Hotel	Restaurant	American Restaurant	Seafood Restaurant	Thai Restaurant	Asian Restaurant	Vegetarian / Vegan Restaurant	Italian Restaurant	
7	Davisville	Sushi Restaurant	Italian Restaurant	Indian Restaurant	Greek Restaurant	Thai Restaurant	Seafood Restaurant	Restaurant	
8	Dufferin, Dovercourt Village	Middle Eastern Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	Fast Food Restaurant	
9	First Canadian Place, Underground city	Restaurant	Japanese Restaurant	American Restaurant	Asian Restaurant	Seafood Restaurant	Sushi Restaurant	Colombian Restaurant	
10	Forest Hill North & West, Forest Hill Road Park	Sushi Restaurant	Vietnamese Restaurant	Cuban Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	Fast Food Restaurant	
11	Garden District, Ryerson	Japanese Restaurant	Italian Restaurant	Middle Eastern Restaurant	Ramen Restaurant	Fast Food Restaurant	Vietnamese Restaurant	New American Restaurant	
12	Harbourfront East, Union Station, Toronto Islands	Italian Restaurant	Restaurant	Indian Restaurant	Vegetarian / Vegan Restaurant	Sushi Restaurant	Seafood Restaurant	Japanese Restaurant	
13	High Park, The Junction South	Thai Restaurant	Mexican Restaurant	Italian Restaurant	Fast Food Restaurant	Cajun / Creole Restaurant	Vietnamese Restaurant	Doner Restaurant	
14	India Bazaar, The Beaches West	Italian Restaurant	Sushi Restaurant	Fast Food Restaurant	Restaurant	Vietnamese Restaurant	Cuban Restaurant	French Restaurant	
15	Kensington Market, Chinatown, Grange Park	Vegetarian / Vegan Restaurant	Mexican Restaurant	Vietnamese Restaurant	Caribbean Restaurant	Dumpling Restaurant	Comfort Food Restaurant	Japanese Restaurant	
16	Little Portugal, Trinity	Asian Restaurant	Vietnamese Restaurant	Restaurant	Cuban Restaurant	Greek Restaurant	Vegetarian / Vegan Restaurant	Italian Restaurant	

	Neighborhood	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type	7th Most Common Restaurant Type	F
17	North Toronto West, Lawrence Park	Fast Food Restaurant	Seafood Restaurant	Restaurant	Chinese Restaurant	Mexican Restaurant	Vietnamese Restaurant	Doner Restaurant	
18	Parkdale, Roncesvalles	Cuban Restaurant	Italian Restaurant	Restaurant	Eastern European Restaurant	Doner Restaurant	German Restaurant	French Restaurant	
19	Queen's Park, Ontario Provincial Government	Mexican Restaurant	Vegetarian / Vegan Restaurant	Sushi Restaurant	Italian Restaurant	Restaurant	Japanese Restaurant	Portuguese Restaurant	
20	Regent Park, Harbourfront	Restaurant	French Restaurant	Mexican Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	Filipino Restaurant	
21	Richmond, Adelaide, King	Restaurant	Thai Restaurant	American Restaurant	Sushi Restaurant	Modern European Restaurant	New American Restaurant	Japanese Restaurant	Mex
22	Runnymede, Swansea	Italian Restaurant	Sushi Restaurant	French Restaurant	Vegetarian / Vegan Restaurant	Restaurant	Latin American Restaurant	Falafel Restaurant	
23	St. James Town	American Restaurant	Restaurant	Italian Restaurant	Seafood Restaurant	Moroccan Restaurant	German Restaurant	New American Restaurant	Co
24	St. James Town, Cabbagetown	Italian Restaurant	Restaurant	Indian Restaurant	American Restaurant	Thai Restaurant	Taiwanese Restaurant	Japanese Restaurant	
25	Stn A PO Boxes	Seafood Restaurant	Restaurant	Italian Restaurant	Japanese Restaurant	Molecular Gastronomy Restaurant	French Restaurant	American Restaurant	
26	Studio District	American Restaurant	Comfort Food Restaurant	Thai Restaurant	Italian Restaurant	Seafood Restaurant	Latin American Restaurant	Middle Eastern Restaurant	
27	Summerhill West, Rathnelly, South Hill, Forest...	Vietnamese Restaurant	American Restaurant	Sushi Restaurant	Restaurant	Doner Restaurant	German Restaurant	French Restaurant	
28	The Annex, North Midtown, Yorkville	Indian Restaurant	Middle Eastern Restaurant	Vegetarian / Vegan Restaurant	Asian Restaurant	Eastern European Restaurant	Gluten-free Restaurant	German Restaurant	
29	The Beaches	Asian Restaurant	Vietnamese Restaurant	Doner Restaurant	Gluten-free Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	
30	The Danforth West, Riverdale	Greek Restaurant	Italian Restaurant	Restaurant	Sushi Restaurant	Caribbean Restaurant	Indian Restaurant	American Restaurant	
31	Toronto Dominion Centre, Bixie	Restaurant	American Restaurant	Japanese Restaurant	Italian Restaurant	Seafood Restaurant	Asian Restaurant	French Restaurant	v

3.4 Clustering the Neighborhood

Using a K-Elbow Test to define the optimal number of clusters

```
In [31]: from sklearn.datasets import make_blobs

from yellowbrick.cluster import KElbowVisualizer

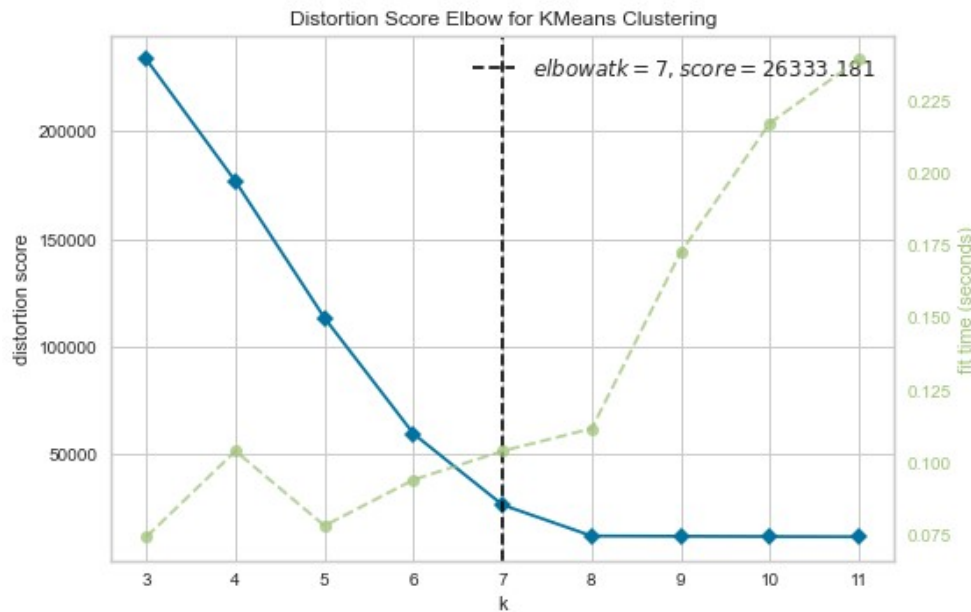
c:\users\marwane\appdata\local\programs\python\python38-32\lib\site-packages\skl
earn\utils\deprecation.py:144: FutureWarning: The sklearn.metrics.classification
module is deprecated in version 0.22 and will be removed in version 0.24. The c
orresponding classes / functions should instead be imported from sklearn.metric
s. Anything that cannot be imported from sklearn.metrics is now part of the priv
ate API.
  warnings.warn(message, FutureWarning)

In [34]: toronto_grouped_clustering = toronto_grouped.drop('Neighborhood', 1)

In [35]: #X, y = make_blobs(n_samples=1000, n_features=12, centers=8, random_state=42)

# Instantiate the clustering model and visualizer
model = KMeans().fit(toronto_grouped_clustering)
visualizer = KElbowVisualizer(model, k=(3,12))

visualizer.fit(X)          # Fit the data to the visualizer
visualizer.show()          # Finalize and render the fi
```



```
Out[35]: <matplotlib.axes._subplots.AxesSubplot at 0x13538a30>
```

Using Elbow Score, we can figure that the optimal number of clusters is : K = 7

```
In [36]: # set number of clusters
kclusters = 7

#toronto_grouped_clustering = toronto_grouped.drop('Neighborhood', 1)

# run k-means clustering
kmeans = KMeans(n_clusters=kclusters, random_state=0).fit(toronto_grouped_clusterin
g)

# check cluster labels generated for each row in the dataframe
kmeans.labels_[0:10]
```

Out[36]: array([1, 0, 5, 1, 0, 1, 1, 1, 2, 1])

```
In [37]: # add clustering labels
neighborhoods_venues_sorted.insert(0, 'Cluster Labels', kmeans.labels_)

toronto_merged = toronto_df

# merge toronto_grouped with toronto_data to add latitude/longitude for each neighb
orhood
toronto_merged = toronto_merged.join(neighborhoods_venues_sorted.set_index('Neighbo
rhood'), on='Neighborhood')

toronto_merged.head() # check the last columns!
```

Out[37]:

	Postal Code	Borough	Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Co Rest
2	M5A	Downtown Toronto	Regent Park, Harbourfront	43.654260	-79.360636	1.0	Restaurant	French Restaurant	Mexican Restaurant	Vietn Res
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government	43.662301	-79.389494	1.0	Mexican Restaurant	Vegetarian / Vegan Restaurant	Sushi Restaurant	Res
9	M5B	Downtown Toronto	Garden District, Ryerson	43.657162	-79.378937	1.0	Japanese Restaurant	Italian Restaurant	Middle Eastern Restaurant	Res
15	M5C	Downtown Toronto	St. James Town	43.651494	-79.375418	1.0	American Restaurant	Restaurant	Italian Restaurant	S Res
19	M4E	East Toronto	The Beaches	43.676357	-79.293031	4.0	Asian Restaurant	Vietnamese Restaurant	Doner Restaurant	Glut Res

Mapping the clusters

```
In [63]: # create map
map_clusters = folium.Map(location=[latitude, longitude], zoom_start=11)

# set color scheme for the clusters
x = np.arange(kclusters)
ys = [i + x + (i*x)**2 for i in range(kclusters)]
colors_array = cm.rainbow(np.linspace(0, 1, len(ys)))
rainbow = [colors.rgb2hex(i) for i in colors_array]

c = 0
# add markers to the map
markers_colors = []
for lat, lon, poi, cluster in zip(toronto_merged['Latitude'], toronto_merged['Longitude'], toronto_merged['Neighborhood'], toronto_merged['Cluster Labels']):
    label = folium.Popup(str(poi) + ' Cluster ' + str(cluster), parse_html=True)

    c = c+1
    # print("# Cluster : ",type(cluster))
    # print("# Cluster : ",cluster)
    if np.isnan(cluster) == True:
        cluster = 0.0

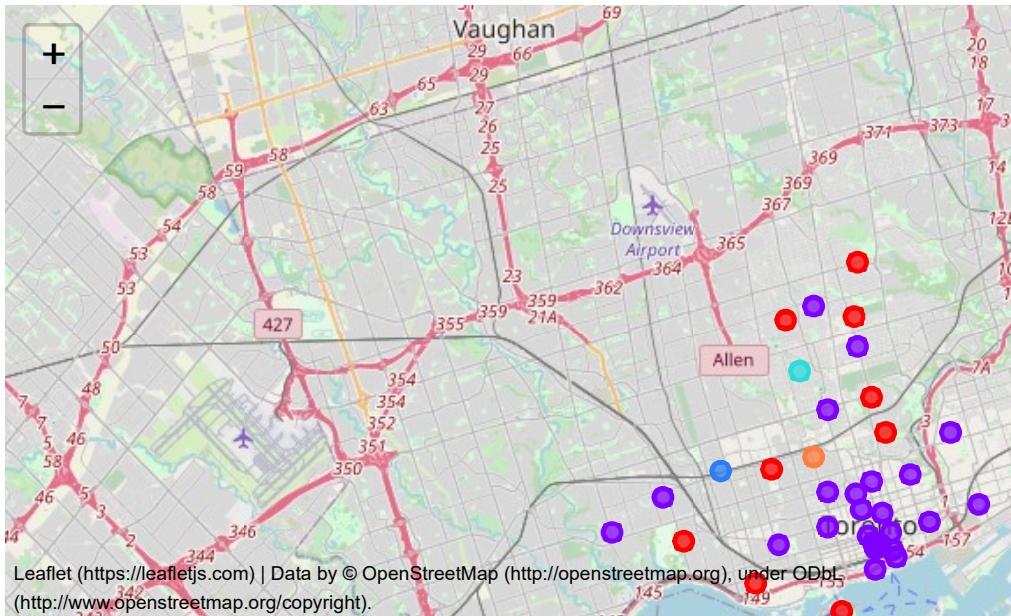
    cluster = int(cluster)

    folium.CircleMarker(
        [lat, lon],
        radius=5,
        popup=label,
        color=rainbow[cluster-1],
        fill=True,
        fill_color=rainbow[cluster-1],
        fill_opacity=0.7).add_to(map_clusters)

print(c)
map_clusters
```

39

Out [63]:



3.5 Examine the Clusters

Cluster 1

```
In [53]: cluster1 = toronto_merged.loc[toronto_merged['Cluster Labels'] == 0,toronto_merged.
columns[[1,2] + list(range(5, toronto_merged.shape[1]))]]
cluster1
```

Out [53]:

	Borough	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type	7th Most Common Restaurant Type	Restaurant Type
25	Downtown Toronto	0.0	Italian Restaurant	Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	I R
43	West Toronto	0.0	Italian Restaurant	Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant	I R
75	West Toronto	0.0	Cuban Restaurant	Italian Restaurant	Restaurant	Eastern European Restaurant	Doner Restaurant	German Restaurant	French Restaurant	R

```
In [41]: cluster1['1st Most Common Restaurant Type'].unique()
```

```
Out[41]: array(['Italian Restaurant', 'Cuban Restaurant'], dtype=object)
```

Cluster 2

```
In [64]: cluster2 = toronto_merged.loc[toronto_merged['Cluster Labels'] == 1,toronto_merged.  
columns[[1,2] + list(range(5, toronto_merged.shape[1]))]]  
cluster2
```


Out [64]:

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
2	Downtown Toronto	Regent Park, Harbourfront	1.0	Restaurant	French Restaurant	Mexican Restaurant	Vietnamese Restaurant	Doner Restaurant	Gerr
4	Downtown Toronto	Queen's Park, Ontario Provincial Government	1.0	Mexican Restaurant	Vegetarian / Vegan Restaurant	Sushi Restaurant	Italian Restaurant	Restaurant	Japanese Restaurant
9	Downtown Toronto	Garden District, Ryerson	1.0	Japanese Restaurant	Italian Restaurant	Middle Eastern Restaurant	Ramen Restaurant	Fast Food Restaurant	Vietnamese Restaurant
15	Downtown Toronto	St. James Town	1.0	American Restaurant	Restaurant	Italian Restaurant	Seafood Restaurant	Moroccan Restaurant	Gerr
20	Downtown Toronto	Berczy Park	1.0	Seafood Restaurant	Restaurant	Thai Restaurant	Greek Restaurant	Sushi Restaurant	Vegetarian / Vegan Restaurant
24	Downtown Toronto	Central Bay Street	1.0	Italian Restaurant	Japanese Restaurant	Indian Restaurant	New American Restaurant	French Restaurant	Vegetarian / Vegan Restaurant
30	Downtown Toronto	Richmond, Adelaide, King	1.0	Restaurant	Thai Restaurant	American Restaurant	Sushi Restaurant	Modern European Restaurant	N
36	Downtown Toronto	Harbourfront East, Union Station, Toronto Islands	1.0	Italian Restaurant	Restaurant	Indian Restaurant	Vegetarian / Vegan Restaurant	Sushi Restaurant	Seafo
37	West Toronto	Little Portugal, Trinity	1.0	Asian Restaurant	Vietnamese Restaurant	Restaurant	Cuban Restaurant	Greek Restaurant	Vegetarian / Vegan Restaurant
41	East Toronto	The Danforth West, Riverdale	1.0	Greek Restaurant	Italian Restaurant	Restaurant	Sushi Restaurant	Caribbean Restaurant	Ind
42	Downtown Toronto	Toronto Dominion Centre, Design Exchange	1.0	Restaurant	American Restaurant	Japanese Restaurant	Italian Restaurant	Seafood Restaurant	As
48	Downtown Toronto	Commerce Court, Victoria Hotel	1.0	Restaurant	American Restaurant	Seafood Restaurant	Thai Restaurant	Asian Restaurant	Vegetarian / Vegan Restaurant
54	East Toronto	Studio District	1.0	American Restaurant	Comfort Food Restaurant	Thai Restaurant	Italian Restaurant	Seafood Restaurant	Le
69	West Toronto	High Park, The Junction South	1.0	Thai Restaurant	Mexican Restaurant	Italian Restaurant	Fast Food Restaurant	Cajun / Creole Restaurant	Vietnamese Restaurant
73	Central Toronto	North Toronto West, Lawrence Park	1.0	Fast Food Restaurant	Seafood Restaurant	Restaurant	Chinese Restaurant	Mexican Restaurant	Vietnamese Restaurant
79	Central Toronto	Davisville	1.0	Sushi Restaurant	Italian Restaurant	Indian Restaurant	Greek Restaurant	Thai Restaurant	Seafo
80	Downtown Toronto	University of Toronto, Harbord	1.0	Japanese Restaurant	Restaurant	Comfort Food Restaurant	French Restaurant	Italian Restaurant	Su
81	West Toronto	Runnymede, Swansea	1.0	Italian Restaurant	Sushi Restaurant	French Restaurant	Vegetarian / Vegan Restaurant	Restaurant	Le

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
84	Downtown Toronto	Kensington Market, Chinatown, Grange Park	1.0	Vegetarian / Vegan Restaurant	Mexican Restaurant	Vietnamese Restaurant	Caribbean Restaurant	Dumpling Restaurant	Coml Fc Restaur
86	Central Toronto	Summerhill West, Rathnelly, South Hill, Forest...	1.0	Vietnamese Restaurant	American Restaurant	Sushi Restaurant	Restaurant	Doner Restaurant	Gerr Restaur
92	Downtown Toronto	Stn A PO Boxes	1.0	Seafood Restaurant	Restaurant	Italian Restaurant	Japanese Restaurant	Molecular Gastronomy Restaurant	Frer Restaur
96	Downtown Toronto	St. James Town, Cabbagetown	1.0	Italian Restaurant	Restaurant	Indian Restaurant	American Restaurant	Thai Restaurant	Taiwane Restaur
		First Canadian							

```
In [43]: cluster2['1st Most Common Restaurant Type'].unique()
```

```
Out[43]: array(['Restaurant', 'Mexican Restaurant', 'Japanese Restaurant',
                'American Restaurant', 'Seafood Restaurant', 'Italian Restaurant',
                'Asian Restaurant', 'Greek Restaurant', 'Thai Restaurant',
                'Fast Food Restaurant', 'Sushi Restaurant',
                'Vegetarian / Vegan Restaurant', 'Vietnamese Restaurant'],
              dtype=object)
```

Cluster 3

```
In [65]: cluster3 = toronto_merged.loc[toronto_merged['Cluster Labels'] == 2,toronto_merged.
columns[[1,2] + list(range(5, toronto_merged.shape[1]))]]
cluster3
```

```
Out[65]:
```

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
31	West Toronto	Dufferin, Dovercourt Village	2.0	Middle Eastern Restaurant	Vietnamese Restaurant	Doner Restaurant	German Restaurant	French Restaurant	Filipino Restaurant

Cluster 4

```
In [66]: toronto_merged.loc[toronto_merged['Cluster Labels'] == 3,toronto_merged.columns[[1,
2] + list(range(5, toronto_merged.shape[1]))]]
```

```
Out[66]:
```

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
68	Central Toronto	Forest Hill North & West, Forest Hill Road Park	3.0	Sushi Restaurant	Vietnamese Restaurant	Cuban Restaurant	German Restaurant	French Restaurant	Filipino Restaurant

Cluster 5

```
In [67]: toronto_merged.loc[toronto_merged['Cluster Labels'] == 4,toronto_merged.columns[[1,
2] + list(range(5, toronto_merged.shape[1]))]]
```

Out[67]:

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
19	East Toronto	The Beaches	4.0	Asian Restaurant	Vietnamese Restaurant	Doner Restaurant	Gluten-free Restaurant	German Restaurant	French Restaurant

Cluster 6

```
In [68]: toronto_merged.loc[toronto_merged['Cluster Labels'] == 5,toronto_merged.columns[[1,
2] + list(range(5, toronto_merged.shape[1]))]]
```

Out[68]:

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
47	East Toronto	India Bazaar, The Beaches West	5.0	Italian Restaurant	Sushi Restaurant	Fast Food Restaurant	Restaurant	Vietnamese Restaurant	Cuban Restaurant
100	East Toronto	Business reply mail Processing Centre, South C...	5.0	Fast Food Restaurant	Restaurant	Vietnamese Restaurant	Cuban Restaurant	German Restaurant	French Restaurant

Cluster 7

```
In [69]: toronto_merged.loc[toronto_merged['Cluster Labels'] == 6,toronto_merged.columns[[1,
2] + list(range(5, toronto_merged.shape[1]))]]
```

Out[69]:

	Borough	Neighborhood	Cluster Labels	1st Most Common Restaurant Type	2nd Most Common Restaurant Type	3rd Most Common Restaurant Type	4th Most Common Restaurant Type	5th Most Common Restaurant Type	6th Most Common Restaurant Type
74	Central Toronto	The Annex, North Midtown, Yorkville	6.0	Indian Restaurant	Middle Eastern Restaurant	Vegetarian / Vegan Restaurant	Asian Restaurant	Eastern European Restaurant	Gluten-free Restaurant

4. Results

By analyzing the data we can clearly identify a pattern that draws itself.

We can see that the clusters **1,3,4,5,6** and **7** concentrate their restaurants into specific areas of Toronto (West, East, Central) areas.

While the richest variety of restaurants considered is located within the **Downtown area**, which can seem logical at first glance regarding the historical aspect of the site.

As we did see previously, the sole moroccan venues are located in the same area **St. James Town** in **Downtown Toronto** :

```
In [70]: toronto_resto[toronto_resto['Venue Category'] == 'Moroccan Restaurant']
```

Out[70]:

	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
51	St. James Town	43.651494	-79.375418	Berber SOCIAL	43.648114	-79.374046	Moroccan Restaurant
52	St. James Town	43.651494	-79.375418	The Sultan's Tent and Cafe Moroc	43.647928	-79.374341	Moroccan Restaurant

5. Discussion

Ultimately, and due to very few competition, the best option to open our Moroccan themed restaurant Brand would be in various areas in Downtown excepting **St. James Town**.

Even though opening in spots surrounding this area would be an interesting fit as it already has a customer basis looking for north african flavors.

6. Conclusion

In conclusion, we can clearly notice how powerful a tool machine learning and Data Science are. In a few lines of codes, and some logic we were able to make an efficient Data analysis from online available sources that mixed together can offer the premisses of a solid Business plan or Marketing campaign.

As simple of an application it can be made, this information processing can offer an invaluable amount of hints for business opportunities.

```
In [ ]:
```