Battle 0f the cities Toronto and Montreal Canada

Problem Statement

My family and I would like to go to Canada. We are justifying which city to choose from. Would it be Toronto, Canada or Montreal Canada. We need to see the similarities and disimilarities of both cities. We will get to see the most common venues for both

Project Background

Toronto and Montreal are two distinct flavor Canadian cities. Toronto is a financial capital of Canada and may be a modern city and Montreal is seen as more historic, cultural and Europe-leaning, particularly in regard to its French roots. As a data Scientist, we will see both of the cities venues.

Objective

Perform analysis on two cities Toronto and montreal Canada using Foursquare API and determine which city to visit for vacation.

Methods

- `Loading the Wikipedia website from both Toronto and Montreal Canada

- Using geolocator and geographical coordinates to load the postal codes

- Had to type in a csv file for the postal codes with Neighborhoods for Montreal Canada

- Using beautiful soup to web scrape data from both Wikipedia sites of Toronto and Montreal Canada

Results

This is the result of the Toronto DataFrame

```
1  Toronto_data = pd.merge(df1, df2, on="PostalCode")
2  Toronto_data
```

	PostalCode	Borough	Neighborhood	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	Queen's Park	Ontario Provincial Government	43.662301	-79.389494
5	M9A	Etobicoke	Islington Avenue	43.667856	-79.532242
6	M1B	Scarborough	Malvern, Rouge	43.806686	-79.194353
7	M3B	North York	Don Mills North	43.745906	-79.352188
8	M4B	East York	Parkview Hill, Woodbine Gardens	43.706397	-79.309937
9	M5B	Downtown Toronto	Garden District, Ryerson	43.657162	-79.378937
10	M6B	North York	Glencairn	43.709577	-79.445073
11	M9B	Etobicoke	West Deane Park, Princess Gardens, Martin Grov	43.650943	-79.554724

Results

This is the result of the Montreal DataFrame

```
In [17]:  1  # Drop unwanted NaN's from 'Neighborhood'
          2  Montreal_data = Montreal_data.dropna ()
          3  Montreal_data
```

Out[17]:

	PostalCode	Borough	Neighborhood	Latitude	Longitude
0	H1A	Pointe-aux-Trembles	Pointe-Aux-Trembles	45.67	-73.50
1	H2A	Saint-Michel district, Quebec	Saint-Michel East	45.44	-75.64
2	H3A	Downtown Montreal	Downtown Montreal North	45.44	-75.64
3	H4A	McGill University	McGill University	45.44	-75.64
4	H5A	Notre-Dame-de-Grâce, Quebec	Notre-Dame-de-Grâce Northeast	45.44	-75.64
5	H7A	Place Bonaventure	Place Bonaventure	45.44	-75.64
6	H9A	Duvernay-Est, Quebec	Duvernay-Est	45.44	-75.64
7	H1B	Dollard-des-Ormeaux	Ormeaux Northwest	45.65	-73.51
8	H2B	Montreal East, Quebec	Montreal East	44.42	-80.10
9	H3B	Ahuntsic, Quebec	Ahuntsic North	44.42	-80.10
10	H4B	Downtown Montreal	Downtown Montreal East	44.42	-80.10
11	H5B	Notre-Dame-de-Grâce, Quebec	Notre-Dame-de-Grâce Southwest	44.42	-80.10

Results Toronto, Canada

Printing the ten most common venues of Toronto, Canada

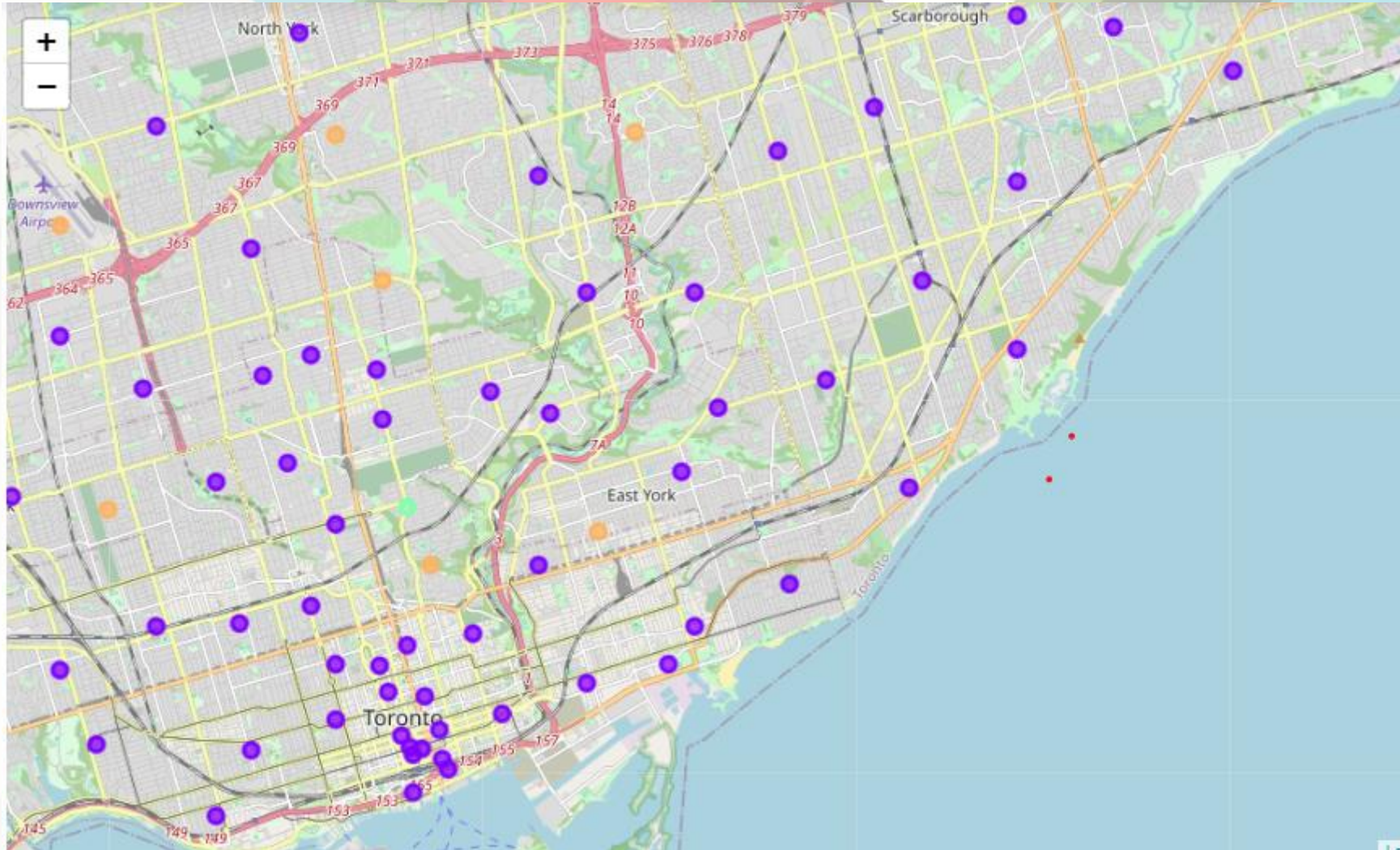|	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Agincourt	Lounge	Breakfast Spot	Latin American Restaurant	Skating Rink	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant
1	Alderwood, Long Branch	Pizza Place	Coffee Shop	Gym	Sandwich Place	Skating Rink	Pub	Mexican Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop
2	Bathurst Manor, Wilson Heights, Downsview North	Bank	Coffee Shop	Restaurant	Ice Cream Shop	Supermarket	Fried Chicken Joint	Chinese Restaurant	Bridal Shop	Gas Station	Diner
3	Bayview Village	Café	Japanese Restaurant	Bank	Chinese Restaurant	Yoga Studio	Monument / Landmark	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop
4	Bedford Park, Lawrence Manor East	Italian Restaurant	Hobby Shop	Coffee Shop	Sandwich Place	Breakfast Spot	Juice Bar	Sushi Restaurant	Japanese Restaurant	Liquor Store	Pub

Results Montreal, Canada

Printing the ten most common venues of Montreal, Canada

```
22   M_neighborhoods_venues_sorted.head()
```

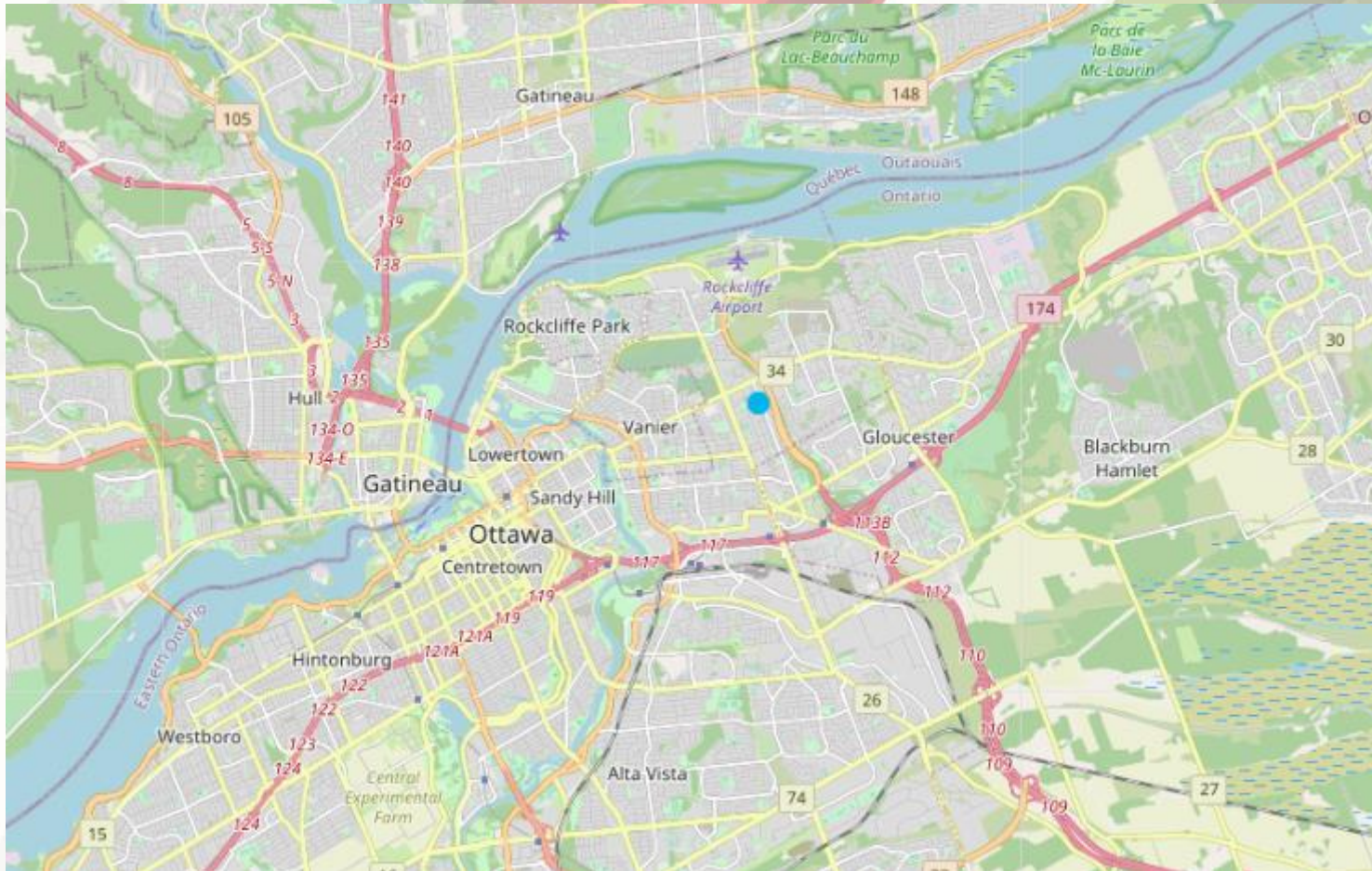|	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Saint-Laurent Central	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	Park	Public Art	Pub	Poutine Place
1	Ahuntsic Central	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
2	Ahuntsic East	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	Park	Public Art	Pub	Poutine Place
3	Ahuntsic North	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
4	Ahuntsic Southeast	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy

Folium Map Method Toronto, Canada

Hotspots of Toronto , Canada

Folium Map Method Montreal, Canada

Hotspots of Toronto , Canada

Cluster Method Toronto, Canada

Cluster 1 of Toronto , Canada

```
In [42]:   1  ### Cluster 1
           2  Cluster_1 = Toronto_merged.loc[Toronto_merged['Cluster Labels'] == 0, Toronto_merged.columns[[1] + list(range(5, Toronto_mer
           3  Cluster_1
           4  # Cluster_1
```

Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
North York	0	Pizza Place	Hockey Arena	Intersection	Coffee Shop	Portuguese Restaurant	Men's Store	Metro Station	Mediterranean Restaurant	Medical Center	Massage Studio
Downtown Toronto	0	Coffee Shop	Park	Café	Bakery	Pub	Breakfast Spot	Theater	Cosmetics Shop	Dessert Shop	Beer Store
North York	0	Clothing Store	Furniture / Home Store	Boutique	Arts & Crafts Store	Miscellaneous Shop	Gift Shop	Coffee Shop	Vietnamese Restaurant	Accessories Store	Mediterranean Restaurant
Queen's Park	0	Coffee Shop	Sushi Restaurant	Sandwich Place	Beer Bar	Fried Chicken Joint	Smoothie Shop	Burrito Place	Mexican Restaurant	Café	Yoga Studio
North York	0	Caribbean Restaurant	Gym	Japanese Restaurant	Café	Yoga Studio	Miscellaneous Shop	Monument / Landmark	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop
East York	0	Pizza Place	Pharmacy	Athletics & Sports	Flea Market	Bank	Breakfast Spot	Gastropub	Intersection	Gym / Fitness Center	Optical Shop

Cluster Method Toronto, Canada

Cluster 2 of Toronto , Canada

```
1  #### Cluster 2
2  Cluster_2 = Toronto_merged.loc[Toronto_merged['Cluster Labels'] == 1, Toronto_merged.columns[[1]] + list(range(5, Toronto_mer
3  Cluster_2
4  # Cluster_2
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	North York	1	Food & Drink Shop	Bus Stop	Park	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Yoga Studio
10	North York	1	Pizza Place	Bakery	Park	Japanese Restaurant	Mexican Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Metro Station
21	York	1	Park	Women's Store	Pool	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Mediterranean Restaurant
40	North York	1	Business Service	Airport	Park	Yoga Studio	Mexican Restaurant	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant
49	North York	1	Bakery	Construction & Landscaping	Park	Basketball Court	Yoga Studio	Mexican Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant
61	Central Toronto	1	Business Service	Park	Swim School	Bus Line	Yoga Studio	Middle Eastern Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Mexican Restaurant
77	Etobicoke	1	Sandwich Place	Park	Mobile Phone Shop	Yoga Studio	Metro Station	Modern European Restaurant	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Men's Store
85	Scarborough	1	Intersection	Playground	Park	Metro Station	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant

Cluster Method Toronto, Canada

Cluster 3 of Toronto , Canada

```
1  ### Cluster 3
2  Cluster_3 = Toronto_merged.loc[Toronto_merged['Cluster Labels'] == 2, Toronto_merged.columns[[1] + list(range(5, Toronto_mer
3  Cluster_3
4  # Cluster_3
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
57	North York	2	Baseball Field	Yoga Studio	Mexican Restaurant	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Metro Station	Lounge
101	Etobicoke	2	Baseball Field	Yoga Studio	Mexican Restaurant	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Metro Station	Lounge

Cluster Method Toronto, Canada

Cluster 4 of Toronto , Canada

```
1  ### Cluster 4
2  Cluster_4 = Toronto_merged.loc[Toronto_merged['Cluster Labels'] == 3, Toronto_merged.columns[[1] + list(range(5, Toronto_mer
3  Cluster_4
4  # Cluster4
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
35	East YorkEast Toronto	3	Park	Convenience Store	Yoga Studio	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Mediterranean Restaurant
52	North York	3	Park	Yoga Studio	Metro Station	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Men's Store
64	York	3	Park	Convenience Store	Yoga Studio	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Mediterranean Restaurant
66	North York	3	Park	Convenience Store	Yoga Studio	Metro Station	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Mediterranean Restaurant

Cluster Method Toronto, Canada

Cluster 5 of Toronto , Canada

```
1  ### Cluster 5
2  Cluster_5 = Toronto_merged.loc[Toronto_merged['Cluster Labels'] == 4, Toronto_merged.columns[[1] + list(range(5, Toronto_mer
3  Cluster_5
4  # Cluster5
5
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
6	Scarborough	4	Fast Food Restaurant	Metro Station	Molecular Gastronomy Restaurant	Modern European Restaurant	Mobile Phone Shop	Miscellaneous Shop	Middle Eastern Restaurant	Mexican Restaurant	Yoga Studio	Monument / Landmark

Cluster Method Montreal, Canada

Cluster 1 of Montreal , Canada

```
1  ### Montreal Cluster 1
2  M_Cluster_1 = Montreal_merged.loc[Montreal_merged['Cluster Labels'] == 0, Montreal_merged.columns[[1] + list(range(Montreal_
3  M_Cluster_1
4  # Cluster_1
```

Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
Montreal East	44.42	-80.10	0	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
Ahuntsic North	44.42	-80.10	0	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
Downtown Montreal East	44.42	-80.10	0	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
Notre-Dame-de-Grâce Southwest	44.42	-80.10	0	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
Place Desjardins	44.42	-80.10	0	Pizza Place	Ice Cream Shop	Sandwich Place	Convenience Store	Coffee Shop	Beer Store	Accessories Store	Plaza	Pet Store	Pharmacy
Saint-	44.42	-80.10	0	Pizza	Ice Cream	Sandwich	Convenience	Coffee	Beer	Accessories			

Cluster Method Montreal, Canada

Cluster 2 of Montreal , Canada

```
1  ### Montreal Cluster 2
2  M_Cluster_2 = Montreal_merged.loc[Montreal_merged['Cluster Labels'] == 1, Montreal_merged.columns[[1] + list(range(Montreal_
3  M_Cluster_2
4  # Cluster_2
```

	Borough	PostalCode	Borough	Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue
63	Mercier (Montreal)	H2N	Mercier (Montreal)	Mercier West	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
64	Ahuntsic, Quebec	H3N	Ahuntsic, Quebec	Ahuntsic East	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
65	Cartierville, Quebec	H4N	Cartierville, Quebec	Cartierville Northeast	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
66	Saint-Laurent, Quebec	H7N	Saint-Laurent, Quebec	Saint-Laurent East	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
67	Vimont, Quebec	H8N	Vimont, Quebec	Vimont	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
83	Mount Royal, Quebec	H1S	Mount Royal, Quebec	Mount Royal Central	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
84	Saint-Laurent, Quebec	H2S	Saint-Laurent, Quebec	Saint-Laurent Central	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
85	Laval-sur-le-Lac	H3S	Laval-sur-le-Lac	Laval-sur-le-Lac	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
86	Ville Saint-Pierre, Quebec	H4S	Ville Saint-Pierre, Quebec	Ville Saint-Pierre	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
87	LaSalle, Quebec	H7S	LaSalle, Quebec	LaSalle West	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	
88	Pointe-Claire	H8S	Pointe-Claire	Pointe-Claire	47.99	-84.77	1	Restaurant	Convenience Store	Sandwich Place	Grocery Store	Gas Station	Accessories Store	

Cluster Method Montreal, Canada

Cluster 3 of Montreal , Canada

```
1  ### Montreal Cluster 3
2  M_Cluster_3 = Montreal_merged.loc[Montreal_merged['Cluster Labels'] == 2, Montreal_merged.columns[[1] + list(range(Montreal_
3  M_Cluster_3
4  # Cluster_3
```

	Borough	PostalCode	Borough	Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue
1	Saint-Michel district, Quebec	H2A	Saint-Michel district, Quebec	Saint-Michel East	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
2	Downtown Montreal	H3A	Downtown Montreal	Downtown Montreal North	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
3	McGill University	H4A	McGill University	McGill University	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
4	Notre-Dame-de-Grâce, Quebec	H5A	Notre-Dame-de-Grâce, Quebec	Notre-Dame-de-Grâce Northeast	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
5	Place Bonaventure	H7A	Place Bonaventure	Place Bonaventure	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
6	Duvernay-Est, Quebec	H9A	Duvernay-Est, Quebec	Duvernay-Est	45.44	-75.64	2	Grocery Store	Restaurant	Bank	Greek Restaurant	Pizza Place	Discount Store
7	Dollard-des-Ormeaux	H1B	Dollard-des-Ormeaux	Ormeaux Northwest	45.65	-73.51	2	Restaurant	Italian Restaurant	Liquor Store	Grocery Store	Pharmacy	Breakfast Spot
14	Dollard-des-Ormeaux	H1C	Dollard-des-Ormeaux	Ormeaux East	45.65	-73.51	2	Restaurant	Italian Restaurant	Liquor Store	Grocery Store	Pharmacy	Breakfast Spot
28	Duvernay, Quebec	H3G	Duvernay, Quebec	Duvernay	45.50	-73.58	2	Café	Italian Restaurant	Sandwich Place	Hotel	Clothing Store	Art Museum
46	The Plateau	H2K	The Plateau	Plateau Mont-Royal North	45.54	-73.55	2	Dive Bar	Tex-Mex Restaurant	Gym Pool	Skating Rink	Skate Park	Sushi Restaurant

Cluster Method Montreal, Canada

Cluster 4 of Montreal , Canada

```
1  ### Montreal Cluster 4
2  M_Cluster_4 = Montreal_merged.loc[Montreal_merged['Cluster Labels'] == 3, Montreal_merged.columns[[1]] + list(range(Montreal_
3  M_Cluster_4
4  # Cluster_4
```

	Borough	PostalCode	Borough	Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7t Co
0	Pointe-aux-Trembles	H1A	Pointe-aux-Trembles	Pointe-Aux-Trembles	45.67	-73.50	3	Convenience Store	Clothing Store	Pharmacy	Bus Stop	Accessories Store	Residential Building (Apartment / Condo)	
62	Akwesasne	H1N	Akwesasne	Akwesasne	45.58	-73.52	3	Bus Stop	Sporting Goods Shop	Liquor Store	Accessories Store	Ramen Restaurant	Public Art	

Cluster Method Montreal, Canada

Cluster 5 of Montreal , Canada

```
1  ### Montreal Cluster 5
2  M_Cluster_5 = Montreal_merged.loc[Montreal_merged['Cluster Labels'] == 4, Montreal_merged.columns[[1] + list(range(Montreal_
3  M_Cluster_5
4  # Cluster_5
```

rough	Neighborhood	Latitude	Longitude	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
Anjou, uebec	Anjou East	45.6	-73.51	4	Diner	Baseball Field	Accessories Store	Opera House	Ramen Restaurant	Public Art	Pub	Poutine Place	Portuguese Restaurant	Plaza

Choosing a destination for family vacation

Toronto , Canada

Choosing a destination for family vacation

Montreal , Canada

Both cities of Toronto and Montreal are beautiful canadian destinations

Toronto seems like a metropolis and Montreal seems like a historic cultural center place.

Both cities of Toronto and Montreal are beautiful canadian destinations

By looking at some of the hot spots on each city venues, it seems as if Toronto gave a better hot spot locations

And Using following code:

```
Toronto_1st = Cluster_1['1st Most Common Venue']
Montreal_4th =  M_Cluster_3['4th Most Common Venue']
print(Toronto_1st, 3*'\n',Montreal_4th)
```

Toronto, Canada

```
1                    Pizza Place
2                     Coffee Shop
3                   Clothing Store
4                     Coffee Shop
7             Caribbean Restaurant
8                    Pizza Place
9                     Coffee Shop
11             Filipino Restaurant
12      Construction & Landscaping
13                       Restaurant
14                            Park
15                     Coffee Shop
16                           Field
17                        Pharmacy
18                  Medical Center
19                Health Food Store
20                     Coffee Shop
22                     Coffee Shop
23                     Coffee Shop
24                     Coffee Shop
25                   Grocery Store
26               Hakka Restaurant
27           Fast Food Restaurant
28                            Bank
29               Indian Restaurant
30                     Coffee Shop
31                        Pharmacy
32                      Playground
33                   Clothing Store
34                  Massage Studio
36                     Coffee Shop
37                             Bar
38                      Hobby Shop
39                            Café
41                Greek Restaurant
42                     Coffee Shop
```

Montreal, Canada

```
1               Greek Restaurant
2               Greek Restaurant
3               Greek Restaurant
4               Greek Restaurant
5               Greek Restaurant
6               Greek Restaurant
7                  Grocery Store
14                 Grocery Store
28                          Hotel
46                  Skating Rink
52                   Pizza Place
53              Greek Restaurant
54              Greek Restaurant
55              Greek Restaurant
101                 Skating Rink
108                 Concert Hall
Name: 4th Most Common Venue, dtype: object
```

By the venues and thanks to Foursquare API, we have selected Toronto, Canada for our family vacation!!!!