A Recommend living place for relaxing travel in Toronto-

---- Capstone Project

## by Haowen Wang

1. Introduction: About the Problem

Toronto can be a famous place for tourists from all over the world, and it has many tourist attractions in the old Toronto (East/ Central/ Downtown/ West Toronto). So when tourists want to have a visit to old Toronto, they have to choose a place to live. For tourists who want to experience the life of Toronto residents, variable venues can be necessary. This recommend system is designed to help tourists to choose the best place to live in Toronto. To some extent, better place means better quality of holiday.

2. Data

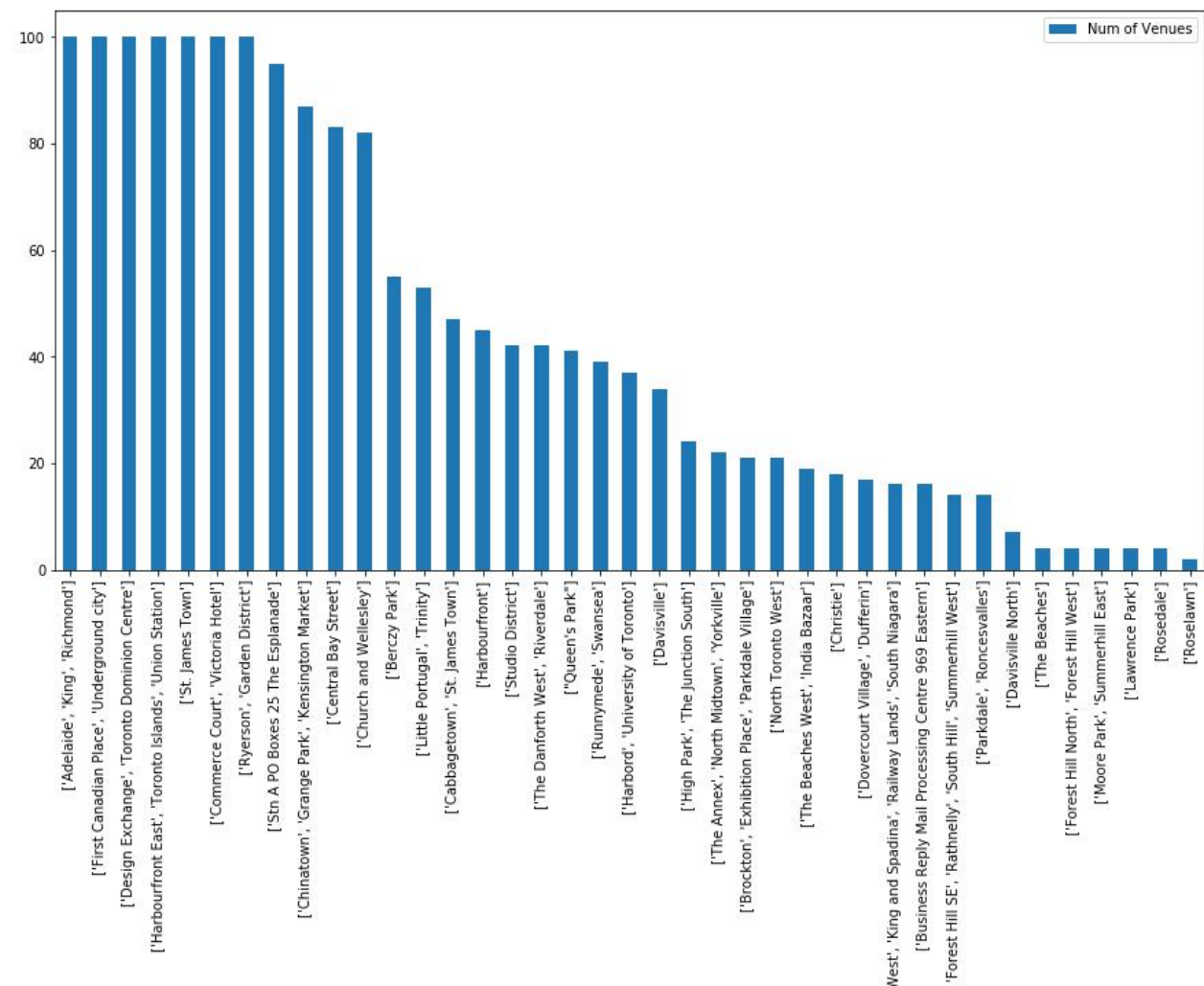## We focus on Neighborhoods in old Toronto
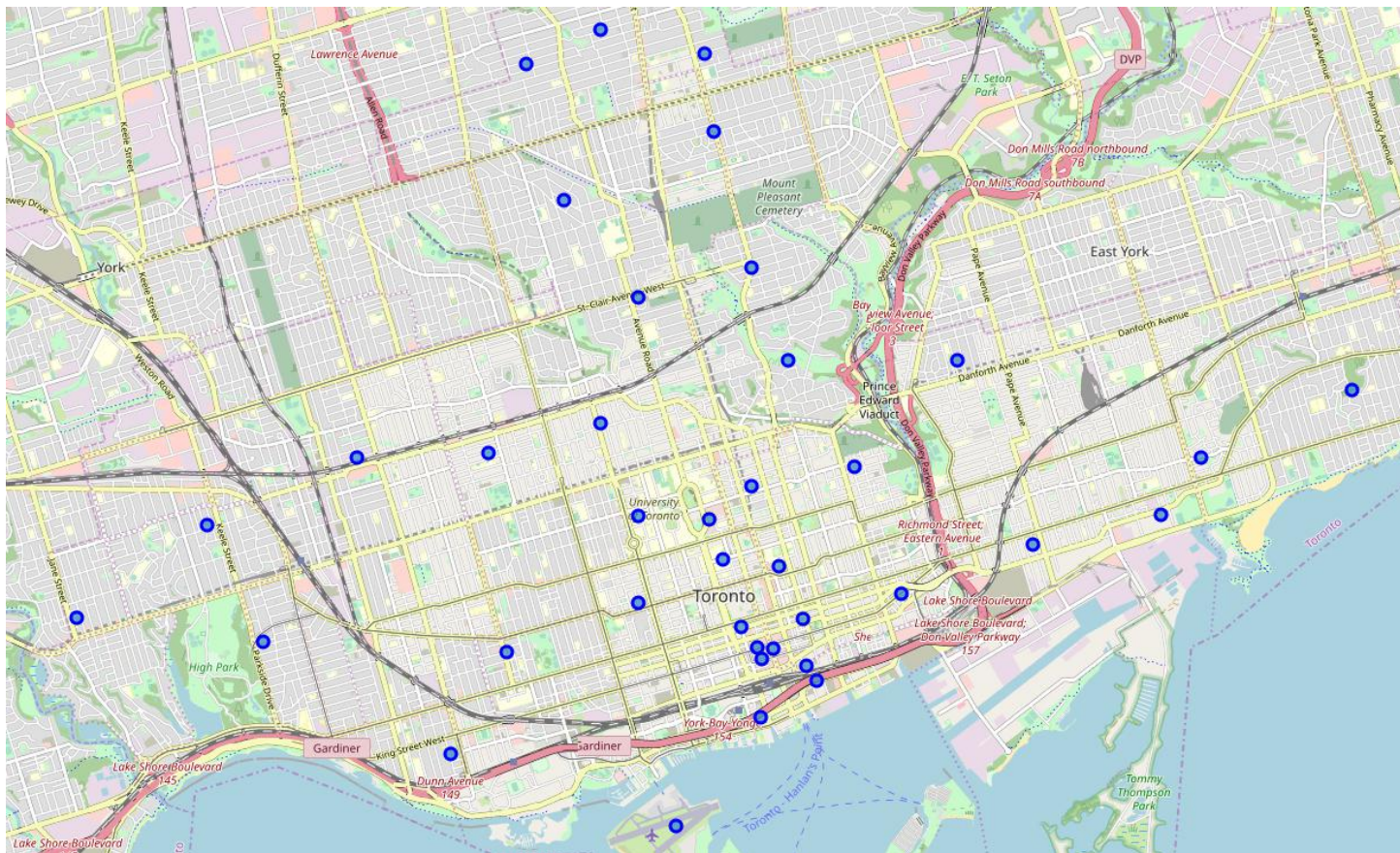
We have 1713 popular Venues

in old Toronto to analyze

3. Methodology and analyze

The top 10 Neibourhoods which has the most Venues

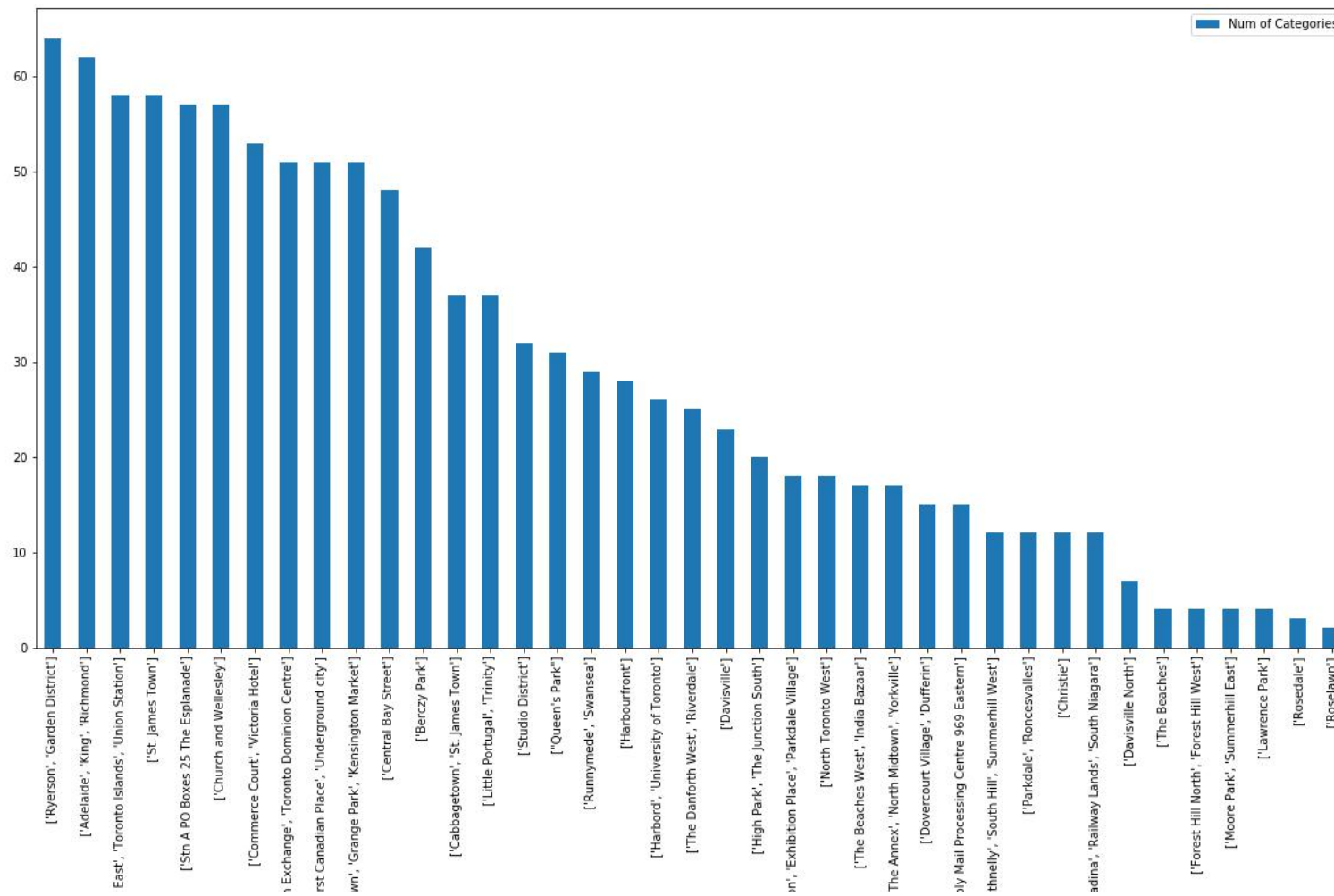| Neighbourhood	Num of Venues
['Adelaide', 'King', 'Richmond']	100
['First Canadian Place', 'Underground city']	100
['Design Exchange', 'Toronto Dominion Centre']	100
['Harbourfront East', 'Toronto Islands', 'Union Station']	100
['St. James Town']	100
['Commerce Court', 'Victoria Hotel']	100
['Ryerson', 'Garden District']	100
['Stn A PO Boxes 25 The Esplanade']	95
['Chinatown', 'Grange Park', 'Kensington Market']	87
['Central Bay Street']	83

3. Methodology and analyze
The Neibourhoods which has the most Venues Neighborhoods which are at the top and the bottom are the most
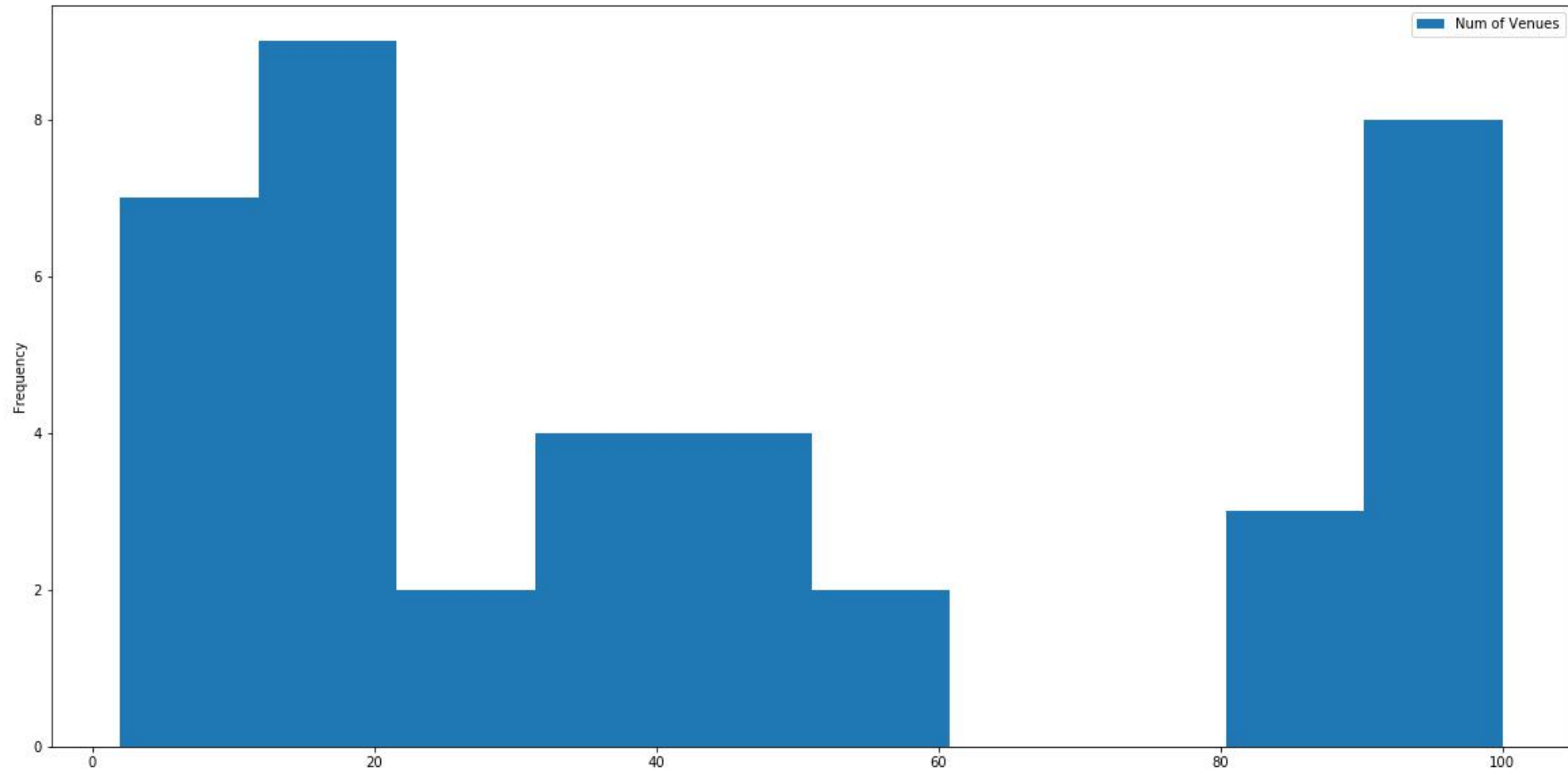
3. Methodology and analyze

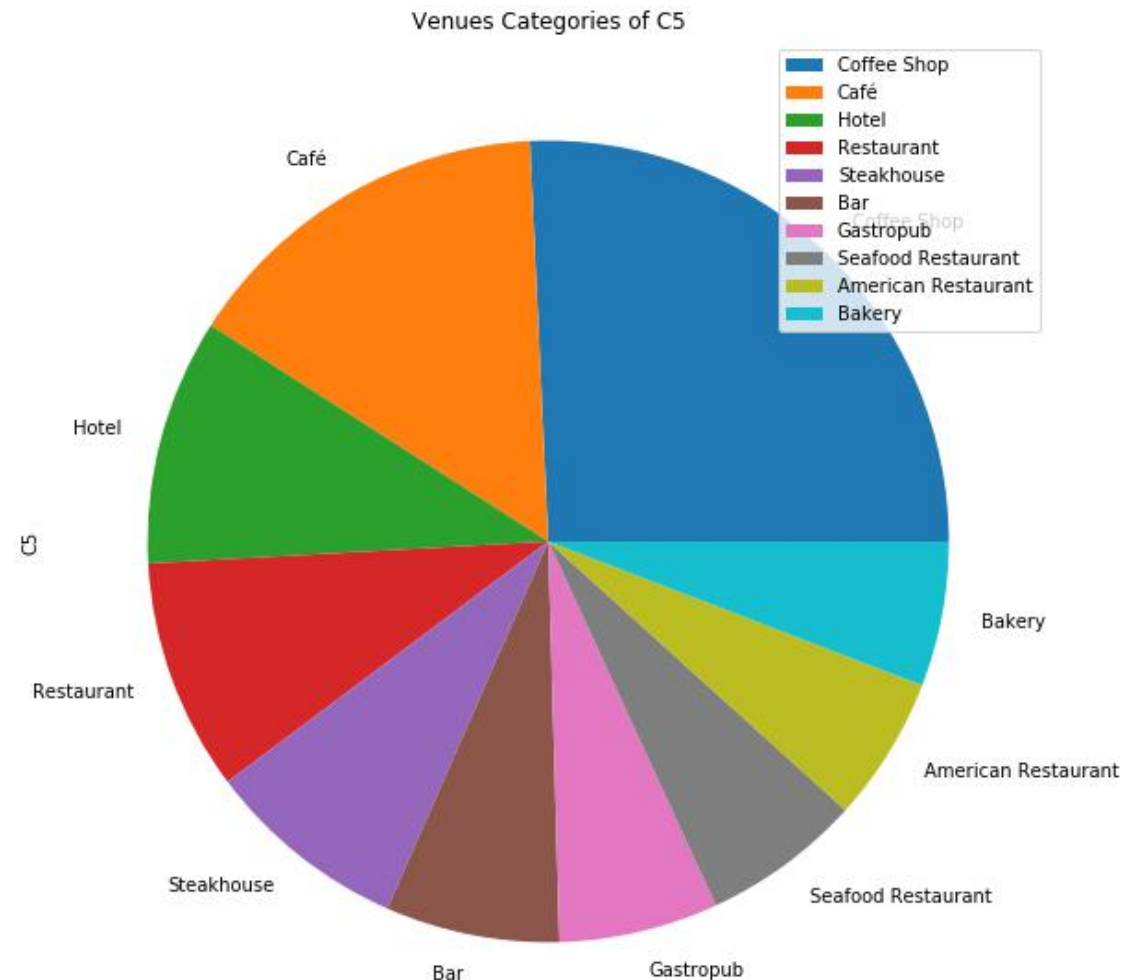## The top 10 Neibourhood which have the most Venues Categories

4. Results and Discussion

We cluster the data in 6 clusters, Because 6 Neighborhoods has the same most Venues Categories

Top 3 clusters are C5, C2 and C6

Venues Categories of C5:

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Venues Categories of C2:
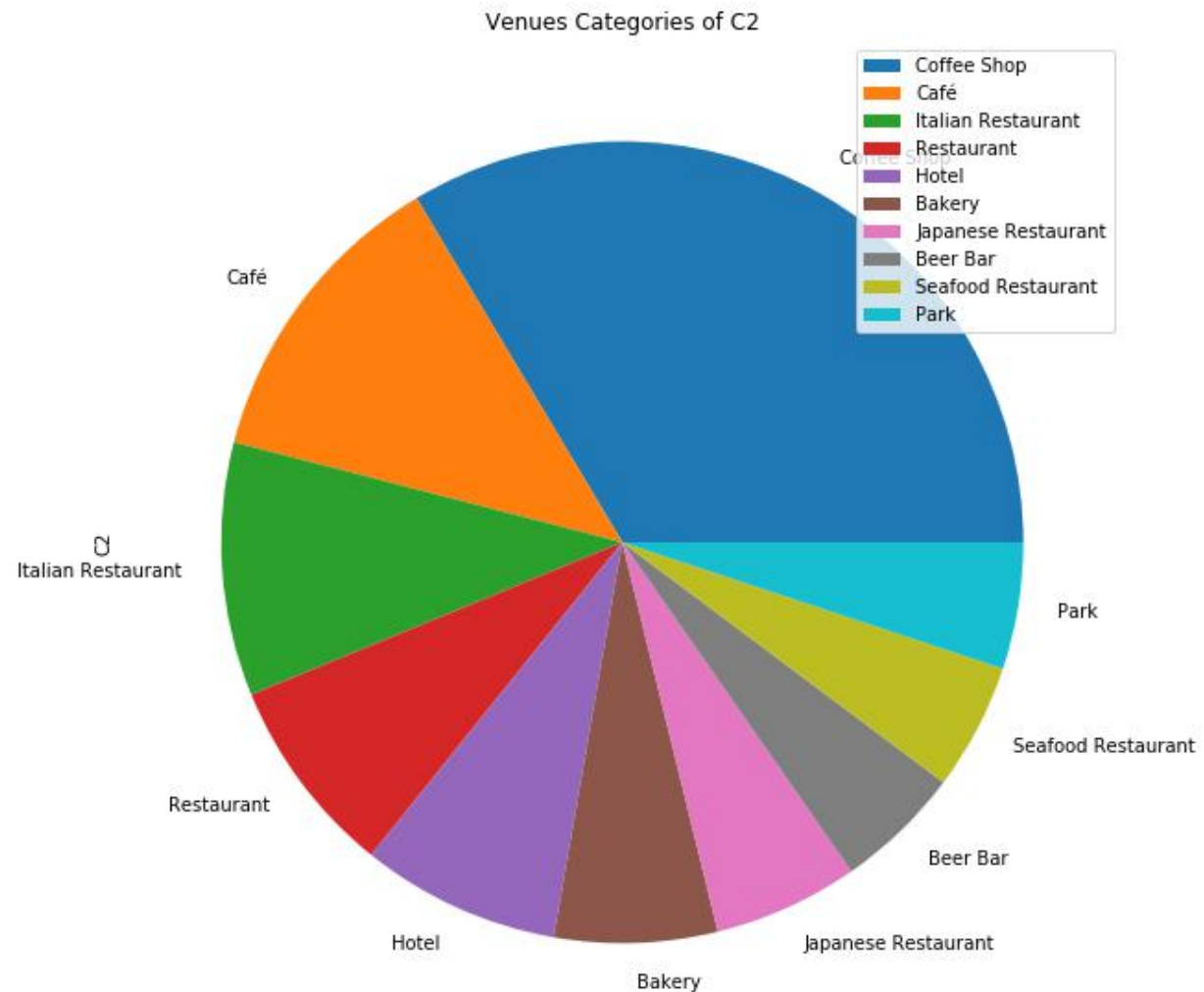

Venues Categories of C2
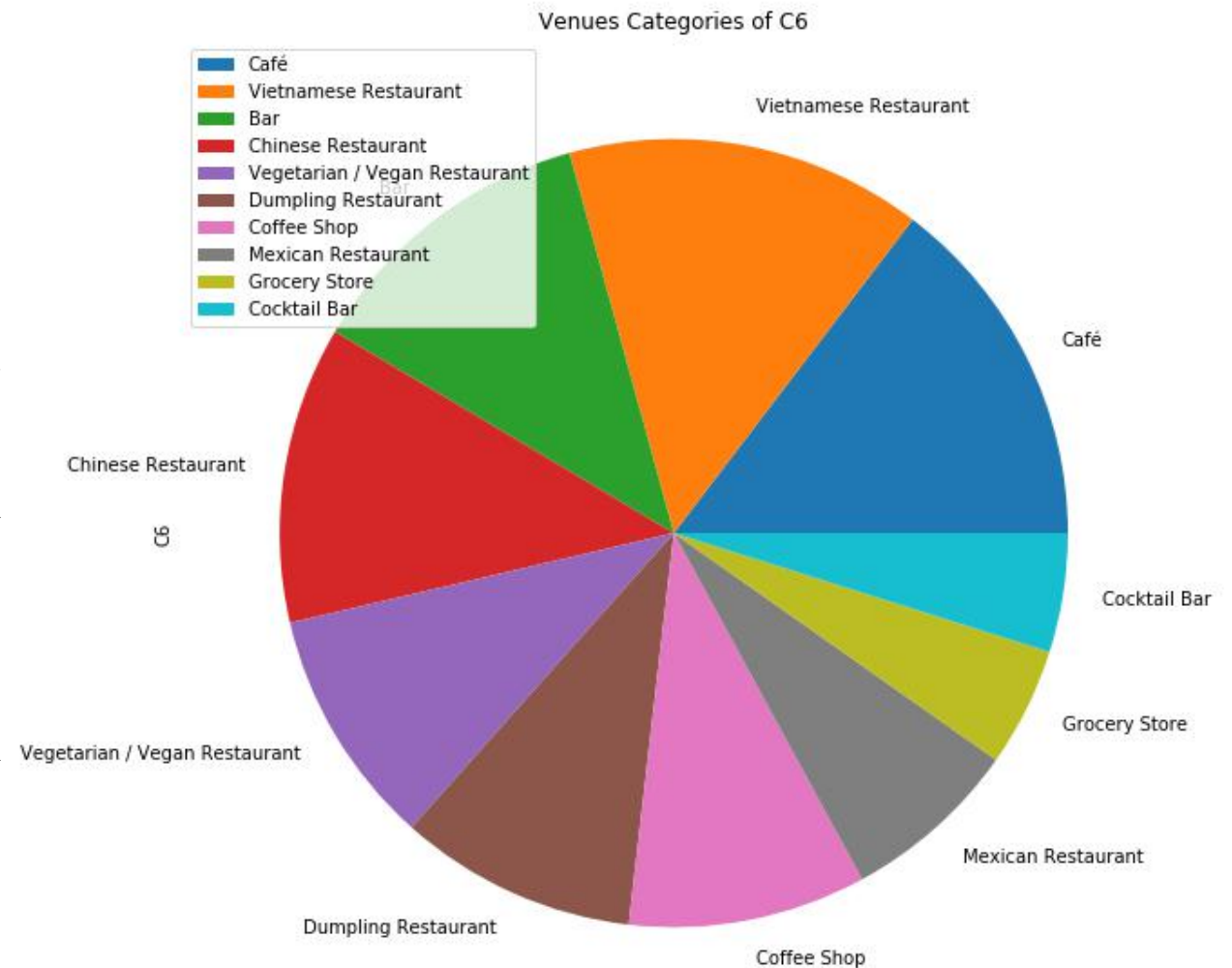
4. Results and Discussion

We cluster the data in 6 clusters, Because 6 Neighborhoods has the same most Venues Categories

Top 3 clusters are C5, C2 and C6

Venues Categories of C6:

Discussion:

In fact, we can find that Coffee Shops and Cafe are popular in all 6 clusters, Hotel is easier to find both in C5 and C2. If tourists want to go to the park, they are more likely to consider C2, and for those who like Chinese food including dumplings, C6 can be a better choice. Seafood Restaurant can be easier to find in C5 and C2. Overall speaking, C6 is more suitable for tourists to have dinner while C5 and C2 can be easy to find a hotel to stay.

Venues Categories of C6

- Café
- Vietnamese Restaurant
- Bar
- Chinese Restaurant
- Vegetarian / Vegan Restaurant
- Dumpling Restaurant
- Coffee Shop
- Mexican Restaurant
- Grocery Store
- Cocktail Bar

5. Conclusion

The Best Neighborhoods

especially for those want to live in hotel and eat seafood restaurant

	Group
Neighborhood	
['Adelaide', 'King', 'Richmond']	5
['First Canadian Place', 'Underground city']	5
['Design Exchange', 'Toronto Dominion Centre']	5
['Commerce Court', 'Victoria Hotel']	5

Second Best Neighborhoods

especially for those want to live in hotel and eat Japanese restaurant and go to park

	Group
Neighborhood	
['Central Bay Street']	2
['Harbourfront East', 'Toronto Islands', 'Union Station']	2
['Stn A PO Boxes 25 The Esplanade']	2
['St. James Town']	2

Third Best Neighborhood

especially for those want to eat Chinese Restaurant, and this Neighborhood is also popular with other food

	Group
Neighborhood	
['Chinatown', 'Grange Park', 'Kensington Market']	6