CAPSTONE PROJECT

The battle of neighborhood – does living in downtown work for everyone?

INTRODUCTION

- Immigrants of Toronto
- Downtown? Or Suburbs?
- Rent/Convenience

DATA

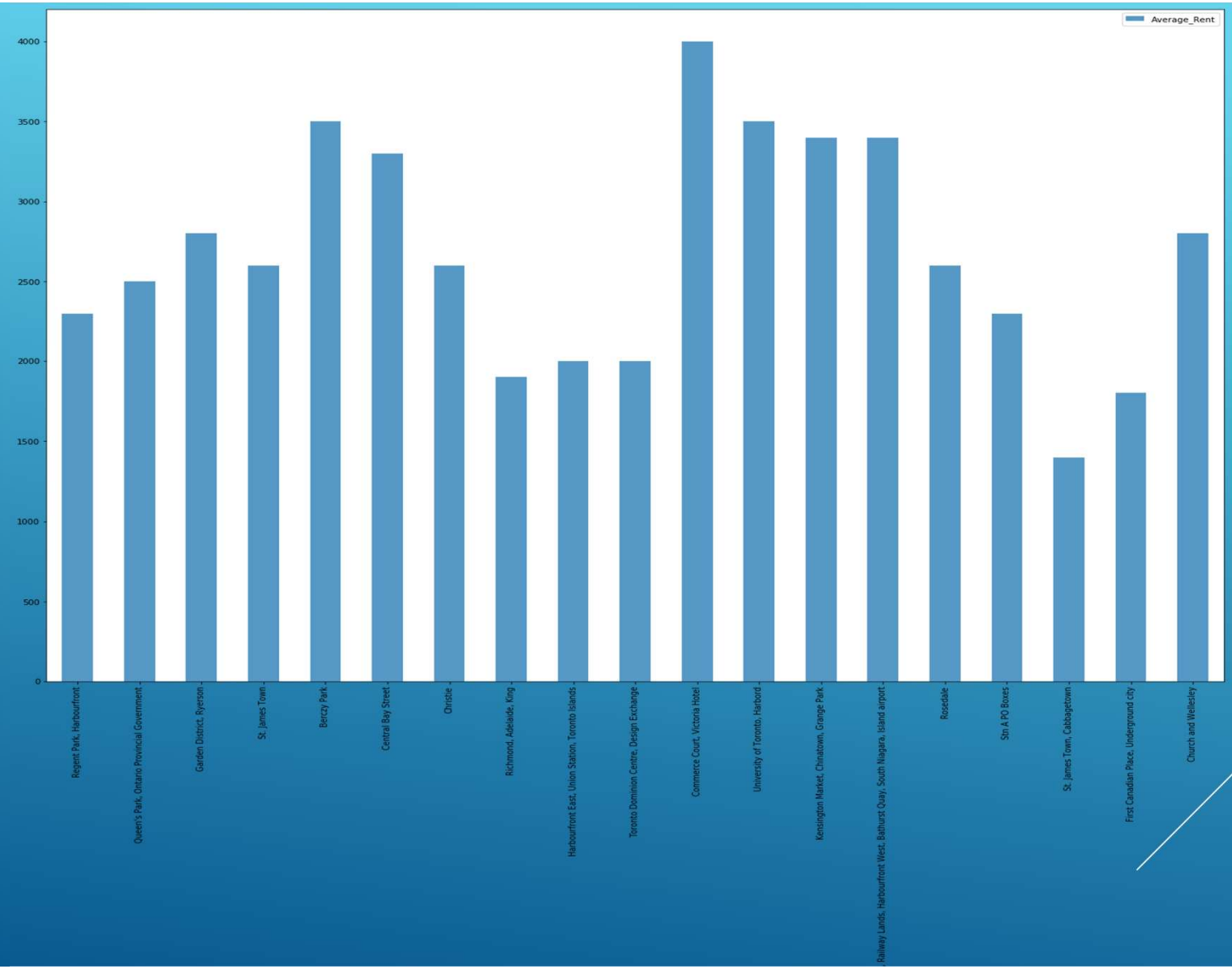
- Postal codes, borough and neighborhood of Toronto from Wikipedia page
- Python geometry library
- Foursquare API
- Apartment renting websites

METHODOLOGY

- Scrape and clean data
- Map the neighborhood using folium
- Find the most common nearby venues using Foursquare
- Kmeans Clusters

RESULTS

- Top 3 categories: coffee shops, clothing stores and hotels
- Cluster 0: Coffee Shops
  Cluster 1: Parks
  Cluster 2: Grocery Store
- High rent
- Less convenient


Average_Rent
4000
3500
3000
2500
2000
1500
1000
500
0
Regent Park, Harbourfront
Queen's Park, Ontario Provincial Government
Garden District, Ryerson
St. James Town
Berczy Park
Central Bay Street
Christie
Richmond, Adelaide, King
Harbourfront East, Union Station, Toronto Islands
Toronto Dominion Centre, Design Exchange
Commerce Court, Victoria Hotel
University of Toronto, Harbord
Kensington Market, Chinatown, Grange Park
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

DISCUSSION & CONCLUSION

- More social places than living essentials
- Not suitable for immigrant families with many members
- Living in downtown does not work for most immigrant families
- Christie can be a good location
- Future problem: locate a new restaurant