

Good locations for a new restaurant in Toronto

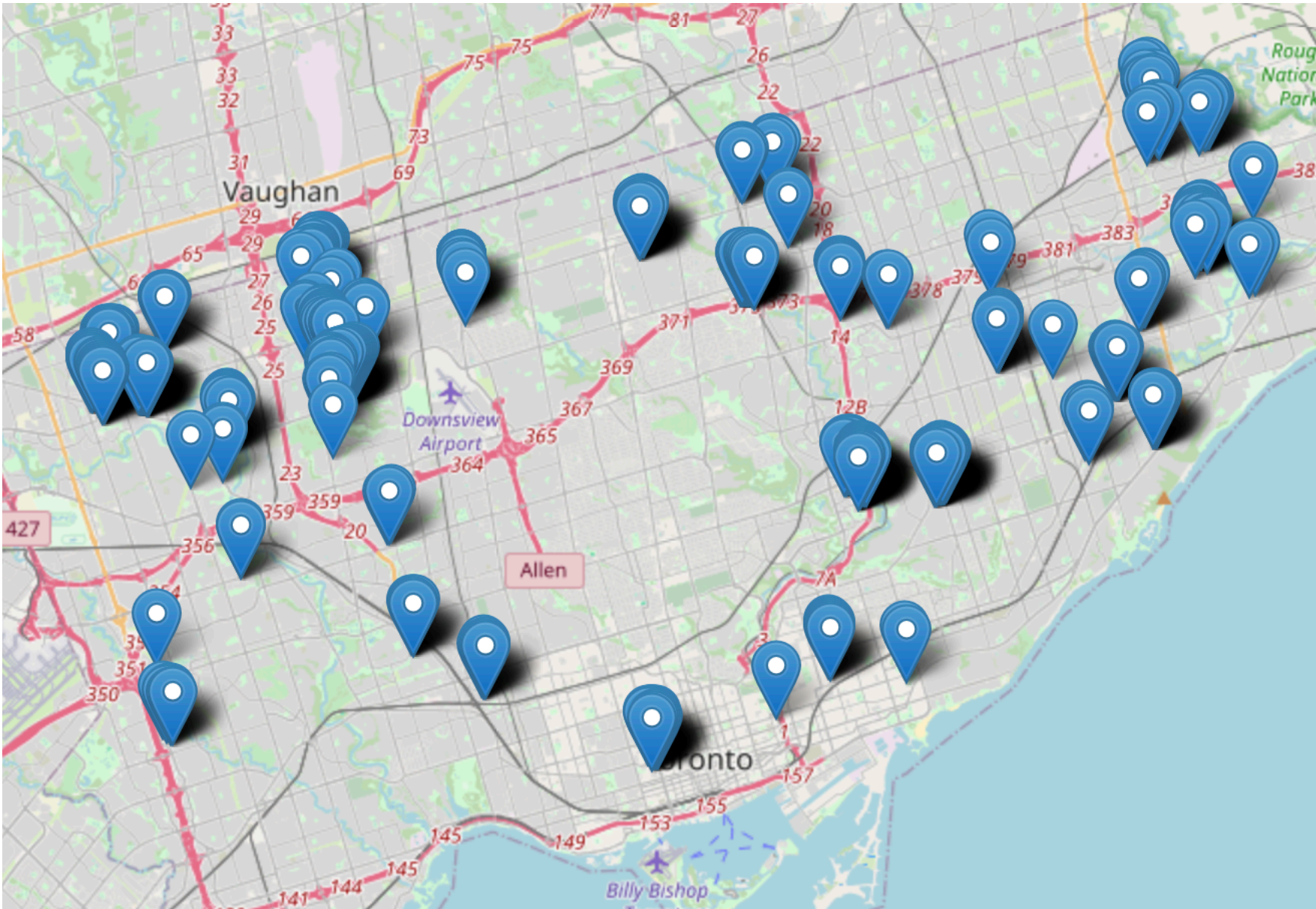
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Introduction

- The problem I chose to work on is finding good locations for new restaurants in the Toronto area.
- Starting a new restaurant can be difficult as you have to compete with establish stores, and may not have a large community to sell to.
- What I am hoping to do is find locations that have large communities and little competition.

Data: City of Toronto

- The first data set I used was Toronto housing data
- This gave me a good idea of where communities are located



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Data: Four Square

- The next data set I used was Four Square
- This gave me all the restaurants, grocery stores, and fast food within 2000 ft of each community.

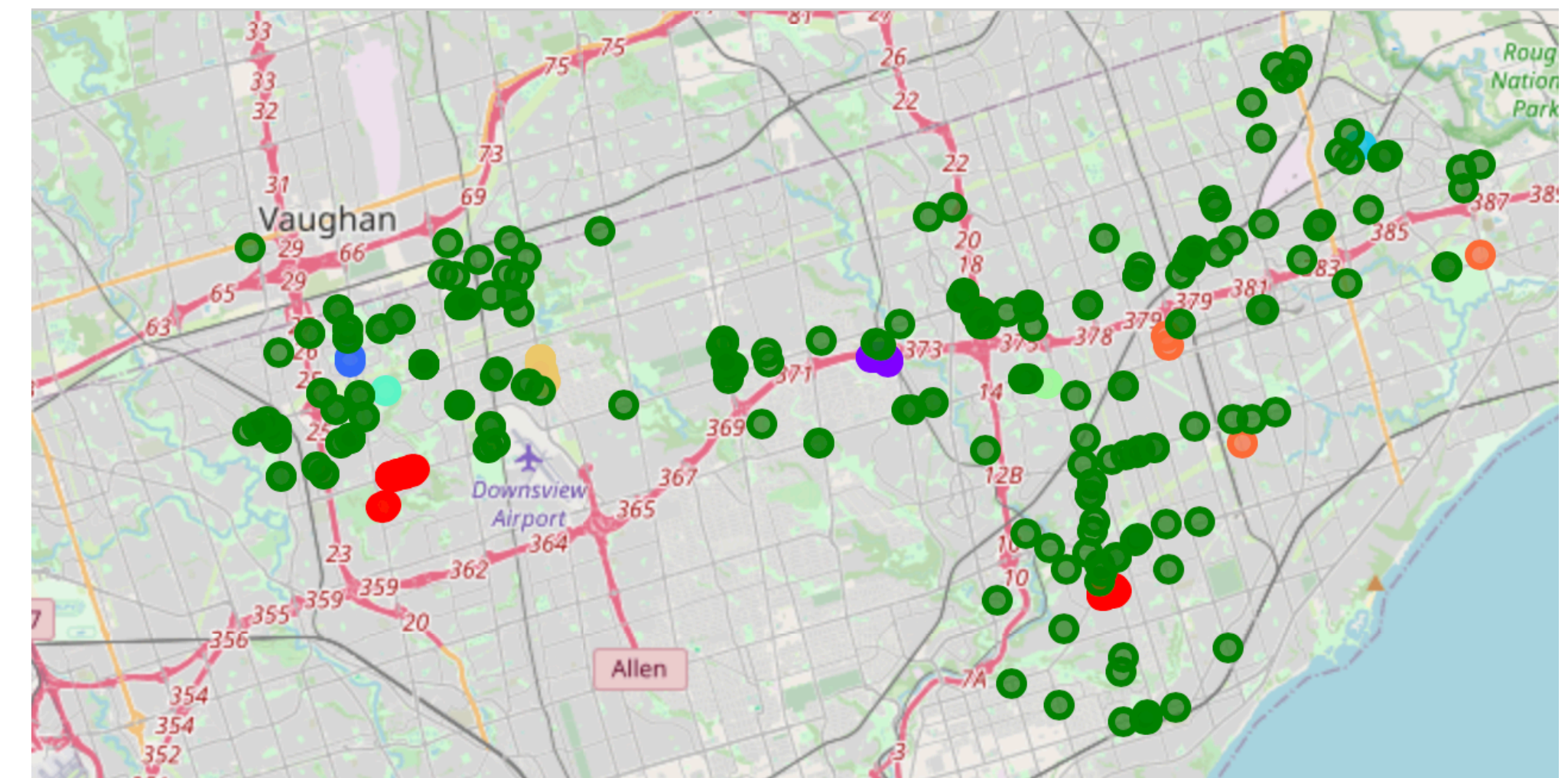
	name	latitude	longitude
0	Supermarket	43.730517	-79.285180
1	Deli / Bodega	43.725677	-79.318248
2	Food Court	43.721851	-79.304176
3	Food	43.724597	-79.307232
4	Convenience Store	43.699523	-79.297880

Methodology

- I started by working with the housing data
 - Removing any columns that were not related to the problem
 - Running the data through a DBSCAN model to find community clusters
- Then I moved onto the Four Square data
 - Again removing any data that was not pertinent
- Then I displayed both data sets on a Folium map to show the results

Results

- Green dots represent food related stores
- The other points represent clustered housing communities
- What I found is there are a few possible locations for restaurants with little competition and large communities of buyers.



Discussion

- What I found by using the generated map was there are good locations available around these communities
 - Sheppard Yatescastle
 - Jane St.
 - Midland Ave.
 - Mornelle Ellesmere.
- These properities show large communities with wide areas of empty food real estate. Some have to travel long distances to reach clusters of restaurants.

Conclusion

- After analyzing the data of Toronto housing communities and food located around them, I have found that the Sheppard Yatecastle community (shown as the red cluster) has prime real estate for opening a successful restaurant based on the lack of competition, available space, and large population in the area.

