

# NON-PROFIT ORGANIZATION FOOD COLLECTION CENTERS

A project to identify neighborhoods in east of  
Toronto



# OVERVIEW

- None profit organization is looking to setup its food collection centers.
- Excessive food collection from restaurants.
- Ideal locations are with 20 or more restaurants in radius of 1000 meters.
- Setup 3-4 collection centers

# DATA ACQUISITION

- Tap on to postal codes data for the city of Toronto that is available on Wikipedia website for free.
- Data scrapping using the BeautifulSoup library.
- Pull location coordinates details from a CSV file.
- Location information is critical to determine number of restaurants within 1000-meter radius.
- Foursquare API to pull restaurants data.

# DATA CLEANING AND FILTRATION

- Toronto east (Scarborough) data was extracted.
- Neighborhoods with 20 or more restaurants were identified.

	PostalCode	Borough	Neighbourhood	Latitude	Longitude
0	M1B	Scarborough	Rouge, Malvern	43.806686	-79.194353
1	M1C	Scarborough	Highland Creek, Rouge Hill, Port Union	43.784535	-79.160497
2	M1E	Scarborough	Guildwood, Morningside, West Hill	43.763573	-79.188711
3	M1G	Scarborough	Woburn	43.770992	-79.216917
4	M1H	Scarborough	Cedarbrae	43.773136	-79.239476
5	M1J	Scarborough	Scarborough Village	43.744734	-79.239476
6	M1K	Scarborough	East Birchmount Park, Ionview, Kennedy Park	43.727929	-79.262029
7	M1L	Scarborough	Clairlea, Golden Mile, Oakridge	43.711112	-79.284577
8	M1M	Scarborough	Cliffcrest, Cliffside, Scarborough Village West	43.716316	-79.239476
9	M1N	Scarborough	Birch Cliff, Cliffside West	43.692657	-79.264848
10	M1P	Scarborough	Dorset Park, Scarborough Town Centre, Wexford ...	43.757410	-79.273304

# RESULTING DATA

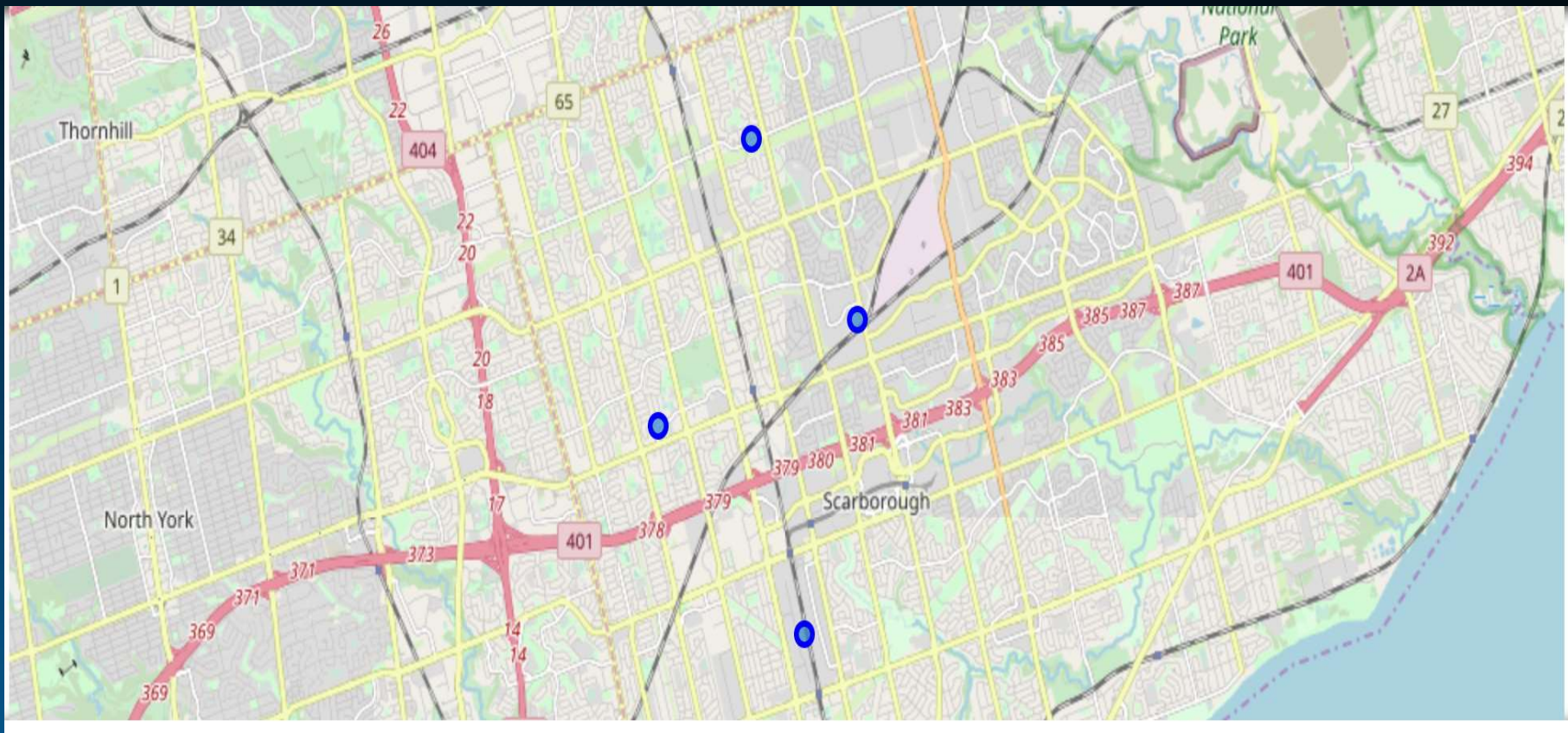
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23 Resturant found in Dorset Park, Scarborough Town Centre, Wexford Heights
30 Resturant found in Agincourt
22 Resturant found in Clarks Corners, Sullivan, Tam O'Shanter
25 Resturant found in Agincourt North, L'Amoreaux East, Milliken, Steeles East
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      Borough    Latitude  Longitude \
10 Scarborough  43.757410 -79.273304
12 Scarborough  43.794200 -79.262029
13 Scarborough  43.781638 -79.304302
14 Scarborough  43.815252 -79.284577
```

```
                                Neighbourhood PostalCode
10 Dorset Park, Scarborough Town Centre, Wexford ...      M1P
12                                Agincourt              M1S
13                                Clarks Corners, Sullivan, Tam O'Shanter M1T
14 Agincourt North, L'Amoreaux East, Milliken, St...      M1V
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# DATA VISUALIZATION



# CONCLUSION

- Easy implementation yet extremely useful insight
  - Based on factual data
  - Public domain data can be used for real decision-making
  - Small businesses and non-profit organizations benefits
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