Capstone Project: Battle of Neighbourhoods in Toronto

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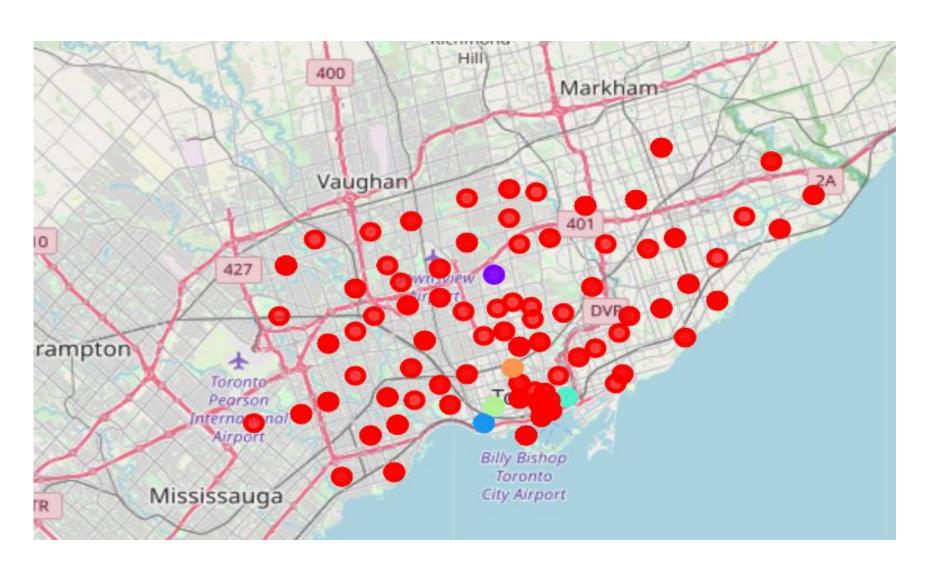
Knowing the difference between neighbourhoods is valuable to home buyers

- When purchasing a home, people consider:
 - Price
 - What is available
 - Safety
 - o ect

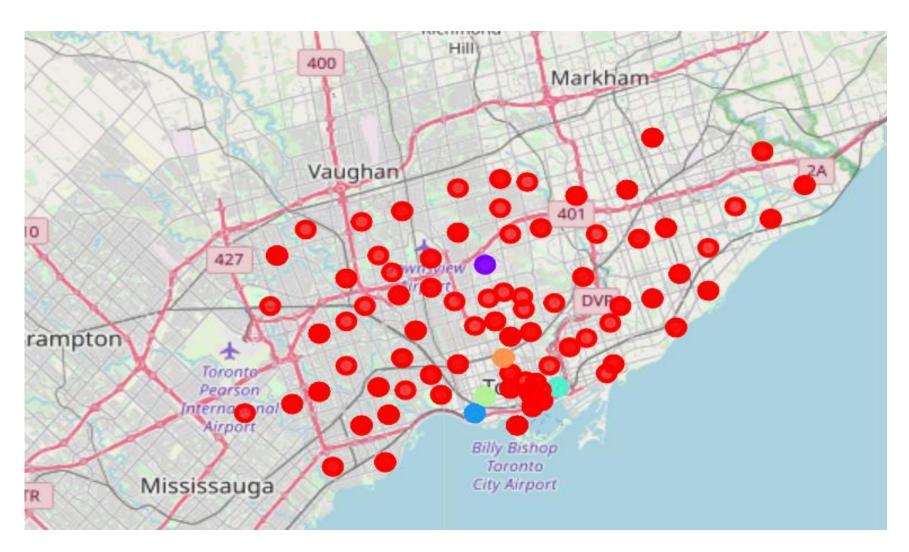
Data acquisition and cleaning

- Information of neighbourhoods was gathered from a Wikipedia page (https://en.wikipedia.org/wiki/List of postal codes of Canada: M
- Venue categories information from Foursquare collected on April, 2019

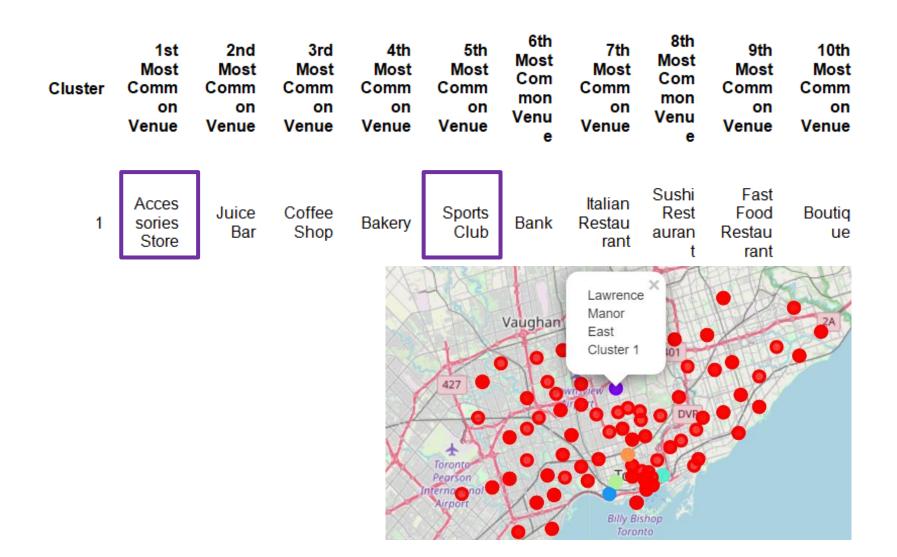
Use BDSCAN as clustering algorithm



Cluster 0 (red): Most neighbourhoods have similar venues



Cluster 1 (Lawrence Manor East): Wealthy neighbourhood



Cluster 2 (Parkdale Village): Hotels

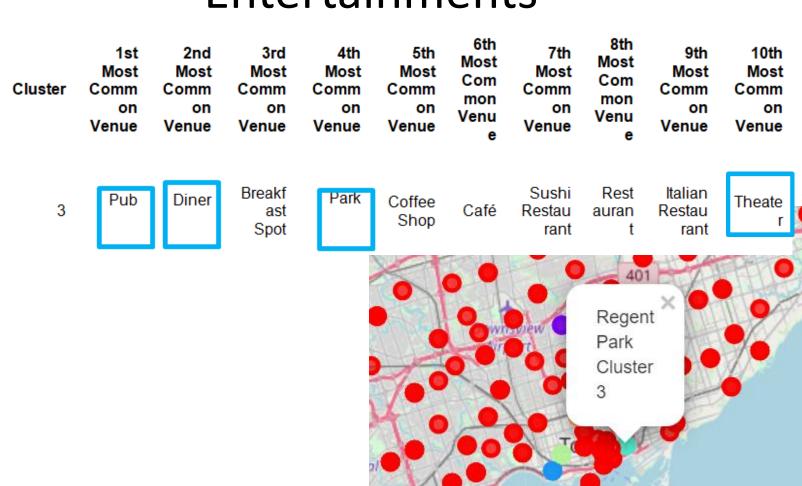
1st 2nd 3rd 4th 5th 7th 9th 10th Most Com Com Cluster Comm Comm Comm Comm Comm Comm Comm Comm mon mon on on on on on on on on Venu Venu Venue Venue Venue Venue Venue Venue Venue Venue е Vegeta Furnitu Indian Tibetan rian / Rest Coffee re / 2 Hotel Restau Bakery Café Vegan Bar Restau auran Shop Home Restau rant rant Store rant

6th

8th



Cluster 3 (Regent Park): Entertainments



Billy Bishop Toronto City Airport

Cluster 4 (Trinity): Foods



Cluster 5 (Yorkville): Museums

Cluster	1st	2nd	3rd	4th	5th	Most	7th	Most	9th	10th
	Most	Most	Most	Most	Most	Com	Most	Com	Most	Most
	Comm	Comm	Comm	Comm	Comm	mon	Comm	mon	Comm	Comm
	on	on	on	on	on	Venu	on	Venu	on	on
	Venue	Venue	Venue	Venue	Venue	e	Venue	e	Venue	Venue
5	Pub	Museu m	Bakery	Grocer y Store	Coffee Shop	Café	Vegeta rian / Vegan Restau rant	Rest auran t	Italian Restau rant	Pizza Place



Conclusion

- Lawrence Manor East, Regent Park, Trinity,
 Yorkville neighbourhoods are unique.
- I do not advise to purchase in the Parkdale Village neighbourhood as it is mostly for visitors.

future directions

- More detailed analysis can be used to cluster within Cluster 0.
- Other information such as average price and police crime record can also be used for clustering