



CAPSTONE PROJECT

CAPSTONE PROJECT - THE
BATTLE OF NEIGHBORHOODS
(WEEK 2)



INTRODUCTION

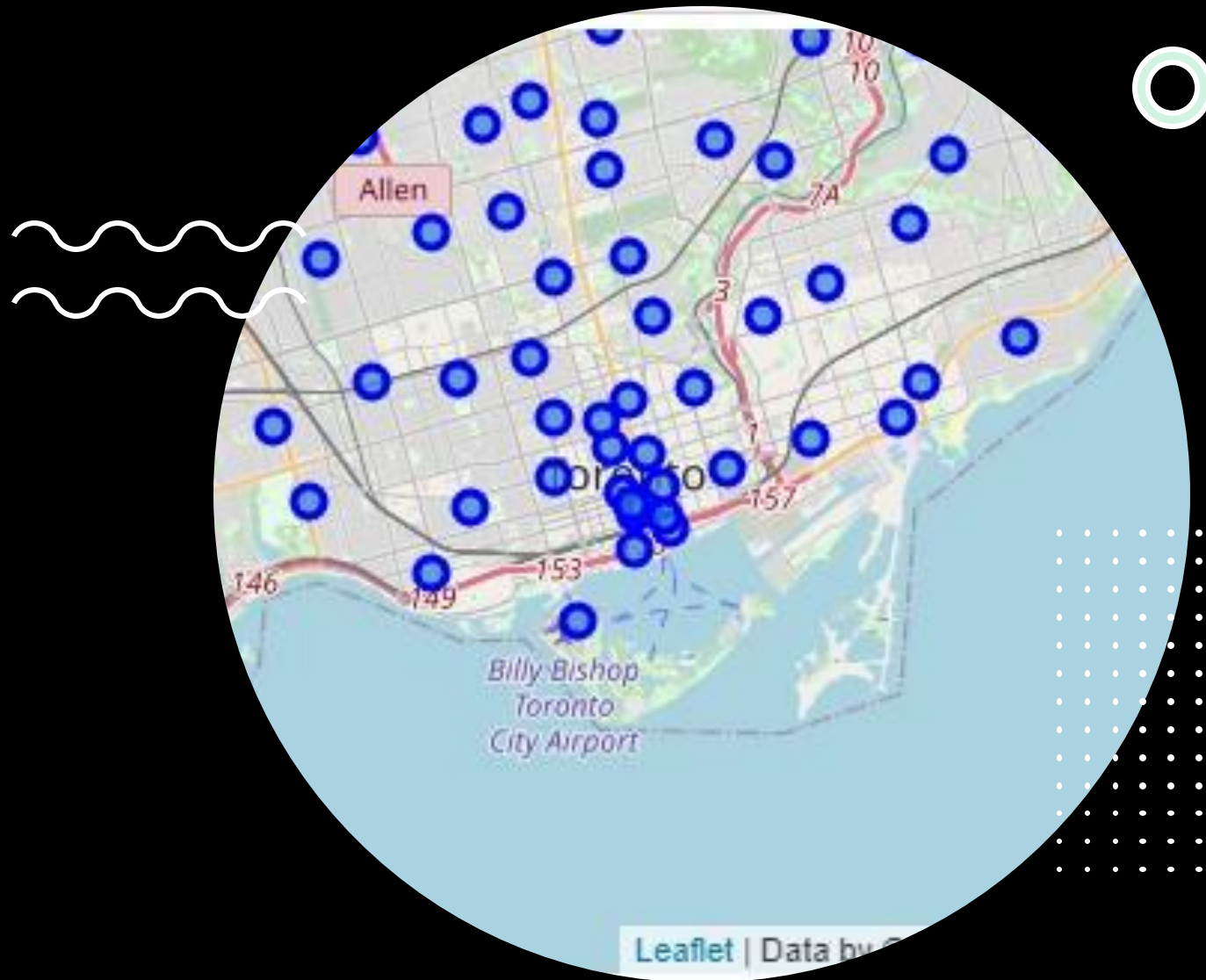
The big cities are the most frequented places where there is an opportunity to do business among these businesses are the informal and tertiary sectors, which occupy the rank when it comes to profitability



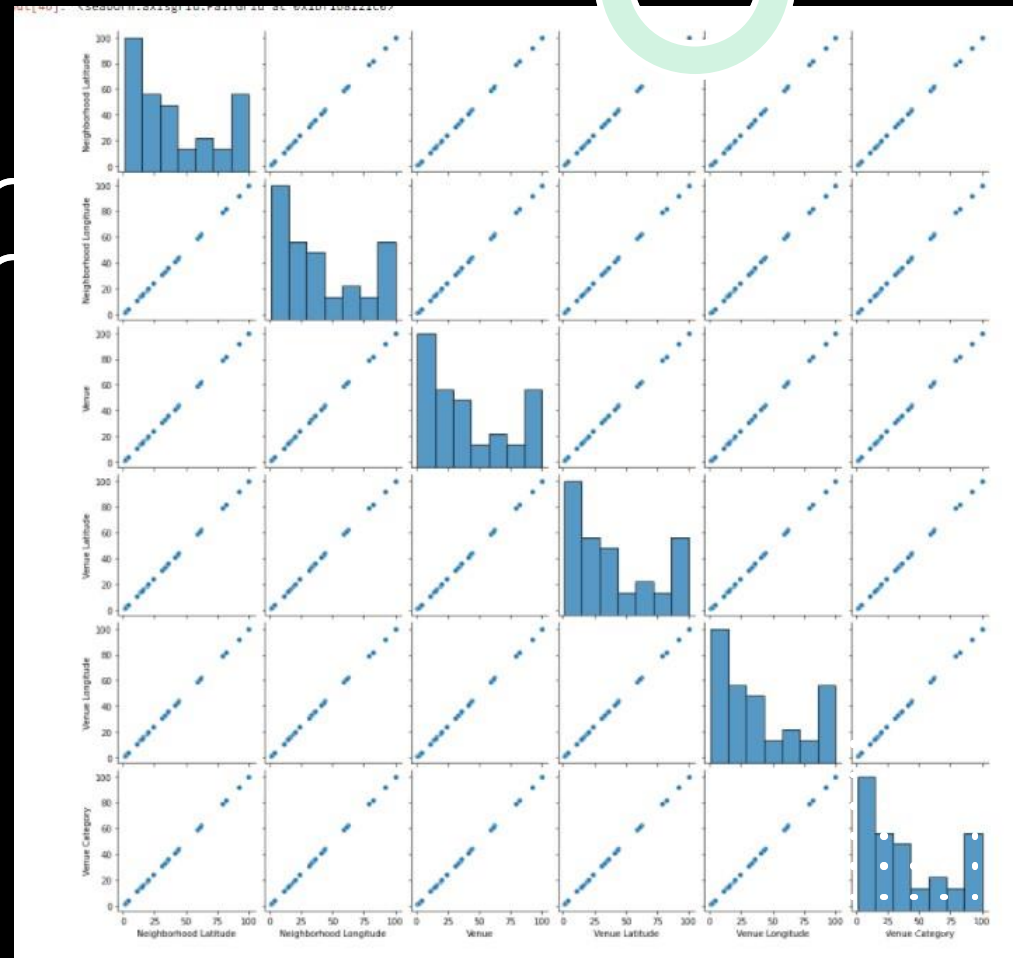
CREATE A MAP
OF THE WHOLE
TORONTO CITY
WITH
NEIGHBORHOODS
SUPERIMPOSED
ON TOP.



ADD
MARKERS
TO THE
MAP.

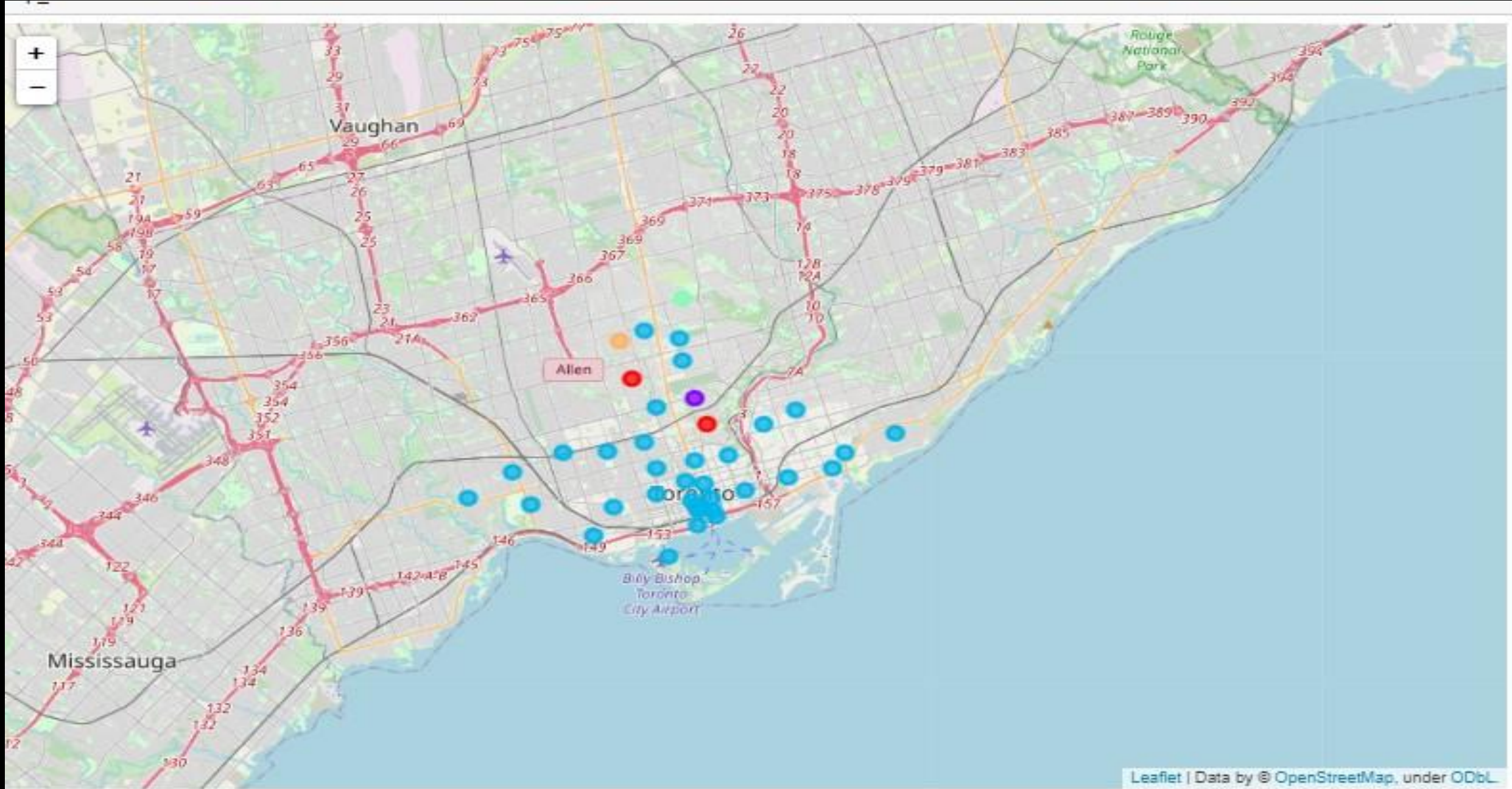


omparison



Let's find out how many unique categories can be curated from all the returned venues

	Neighborhood	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
0	Berczy Park	Coffee Shop	Cocktail Bar	Bakery	Restaurant	Pharmacy	Cheese Shop	Seafood Restaurant	Beer Bar	Farmers Market	Basketball Stadium
1	Brockton, Parkdale Village, Exhibition Place	Café	Coffee Shop	Breakfast Spot	Nightclub	Pet Store	Bar	Burrito Place	Restaurant	Climbing Gym	Performing Arts Venue
2	CN Tower, King and Spadina, Railway Lands, Har...	Airport Service	Airport Terminal	Airport Lounge	Sculpture Garden	Rental Car Location	Boutique	Plane	Harbor / Marina	Airport Food Court	Airport
3	Central Bay Street	Coffee Shop	Café	Italian Restaurant	Sandwich Place	Salad Place	Japanese Restaurant	Thai Restaurant	Burger Joint	Bubble Tea Shop	Bank
4	Christie	Grocery Store	Café	Park	Candy Store	Italian Restaurant	Restaurant	Baby Store	Athletics & Sports	Nightclub	Coffee Shop



● clustering

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toronto_denc_merged.loc[toronto_denc_merged['Cluster Labels'] == 3, toronto_denc_merged.columns[[1] + list(range(5, toronto_denc_
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
5	Central Toronto	3	Bus Line	Swim School	Park	Comfort Food Restaurant	Dessert Shop	Ethiopian Restaurant	Escape Room	Electronics Store	Eastern European Restaurant	Dumpling Restaurant

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toronto_denc_merged.loc[toronto_denc_merged['Cluster Labels'] == 4, toronto_denc_merged.columns[[1] + list(range(5, toronto_denc_
```

	Borough	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
23	Central Toronto	4	Garden	Music Venue	Wine Bar	Department Store	Escape Room	Electronics Store	Eastern European Restaurant	Dumpling Restaurant	Donut Shop	Doner Restaurant