VANCOUVER NEIGHBORHOOD

CAPSTONE PROJECT
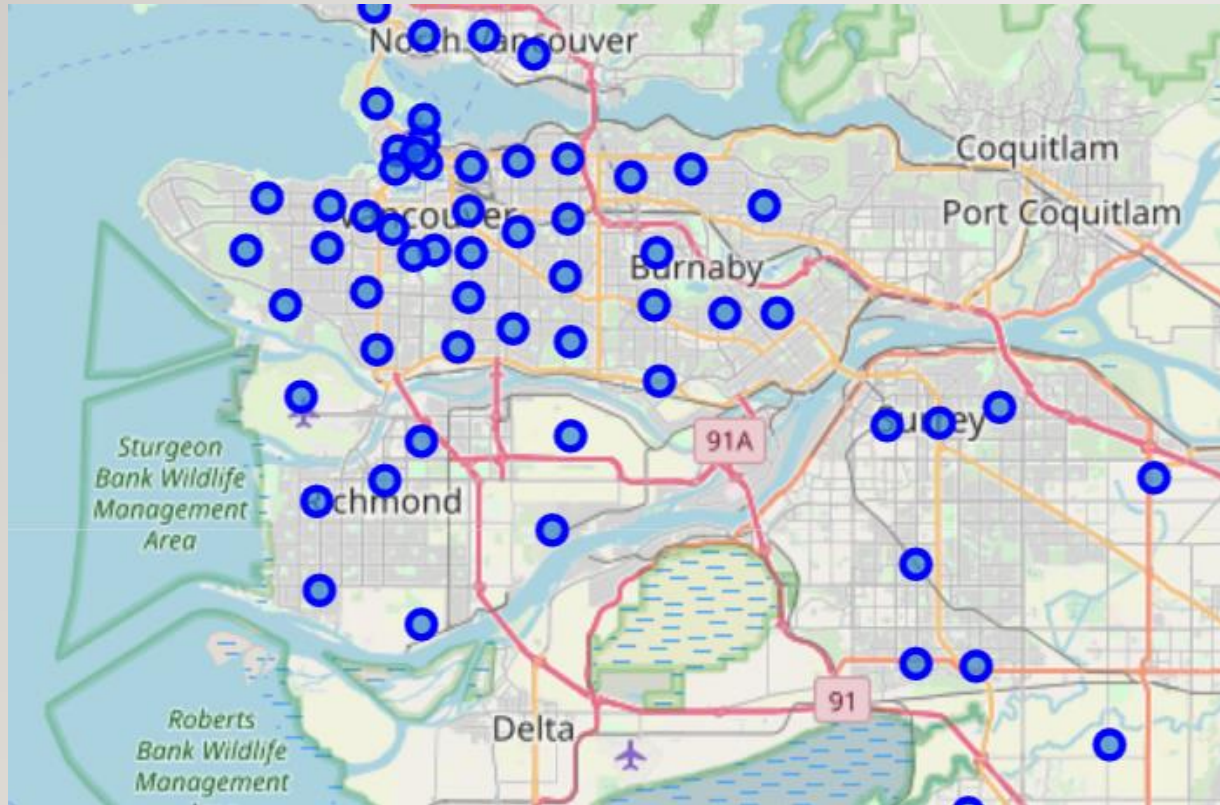
WINNIE CHAN
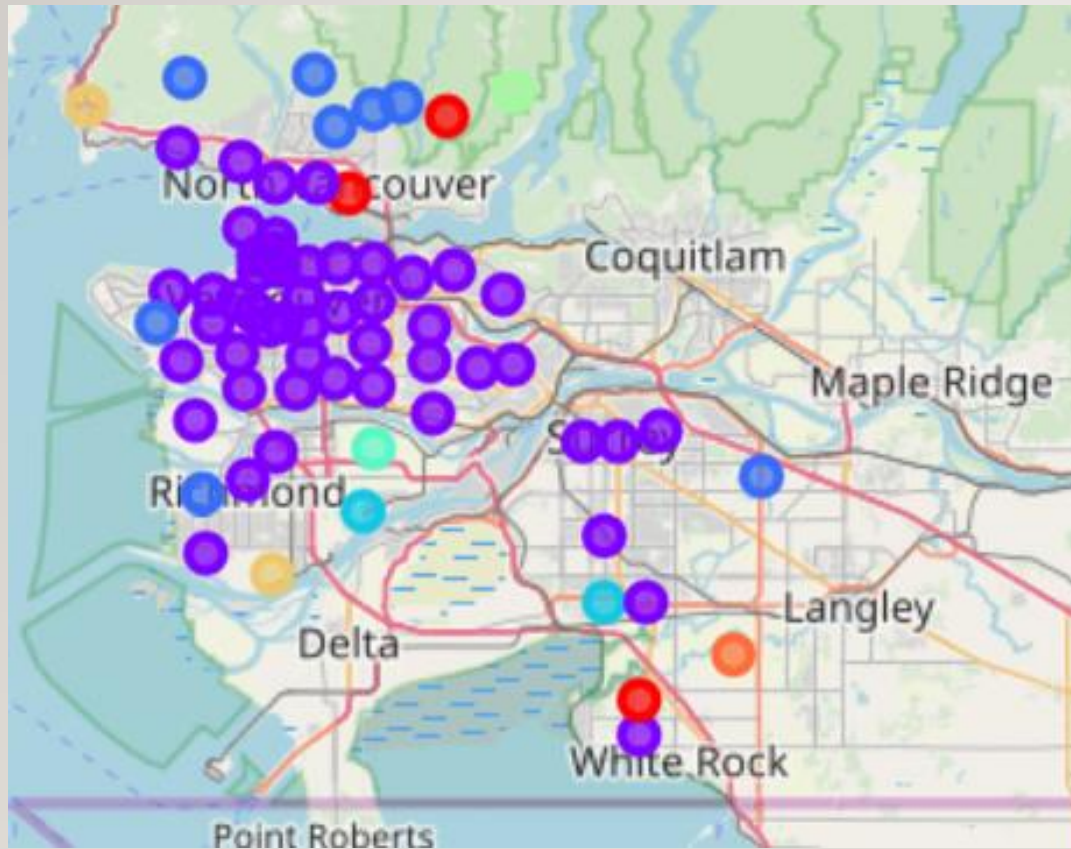
DATA SOURCE

- Neighborhood data with names and latitude/longitude

- Four Square API

PRELIMINARY MAP VIEW

CLUSTER VIEW

CLUSTER 1

	Neighborhood	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
0	Vancouver (North Hastings-Sunrise)	1	Theme Park Ride / Attraction	Coffee Shop	Park	Vietnamese Restaurant	Hockey Arena	Stadium	Theme Park	Event Space	Fast Food Restaurant	Pharmacy
1	Vancouver (North Grandview-Woodlands)	1	Coffee Shop	Brewery	Café	Sushi Restaurant	Pizza Place	Grocery Store	Italian Restaurant	Asian Restaurant	Indian Restaurant	Bakery
2	Vancouver (South Hastings-Sunrise / North Renf...	1	Park	Pizza Place	Coffee Shop	Pet Store	Vietnamese Restaurant	Grocery Store	Liquor Store	Hardware Store	Department Store	Shop & Service

CLUSTER 5-7

	Neighborhood	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
29	North Vancouver Outer East	5	Lake	Women's Store	Fish & Chips Shop	Farm	Farmers Market	Fast Food Restaurant	Field	Filipino Restaurant	Financial or Legal Service	Flea Market

```
1  yvr_merged.loc[yvr_merged['Cluster Labels'] == 6, yvr_merged.columns[[1] + list(range(5, yvr_merged.shape[1]))]]
```

	Neighborhood	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
41	West Vancouver West	6	Harbor / Marina	Trail	Tapas Restaurant	Fabric Shop	Falafel Restaurant	Farm	Farmers Market	Fast Food Restaurant	Field	Filipino Restaurant
149	Richmond South	6	Harbor / Marina	Bar	Fish & Chips Shop	Farm	Farmers Market	Fast Food Restaurant	Field	Filipino Restaurant	Financial or Legal Service	Flea Market

```
1  yvr_merged.loc[yvr_merged['Cluster Labels'] == 7, yvr_merged.columns[[1] + list(range(5, yvr_merged.shape[1]))]]
```

	Neighborhood	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
114	Surrey East	7	Farm	Mattress Store	Flea Market	Farmers Market	Fast Food Restaurant	Field	Filipino Restaurant	Financial or Legal Service	Fish & Chips Shop	Women's Store