



THE BATTLE OF THE NEIGHBORHOODS

The Capstone Project

Data Wrangling

	TYPE	YEAR	MONTH	DAY	HOUR	MINUTE	HUNDRED_BLOCK	NEIGHBOURHOOD	X	Y
0	Theft from Vehicle	2019	4	2	16.0	0.0	5XX CARRALL ST	Central Business District	492408.03	5458534.62
1	Theft from Vehicle	2019	2	20	9.0	47.0	5XX CARRALL ST	Central Business District	492403.16	5458628.36
2	Other Theft	2019	3	6	15.0	37.0	7XX GRANVILLE ST	Central Business District	491396.06	5458846.22
3	Other Theft	2019	2	22	19.0	15.0	11XX ROBSON ST	West End	490910.24	5459118.24
4	Offence Against a Person	2019	4	3	NaN	NaN	OFFSET TO PROTECT PRIVACY	NaN	0.00	0.00

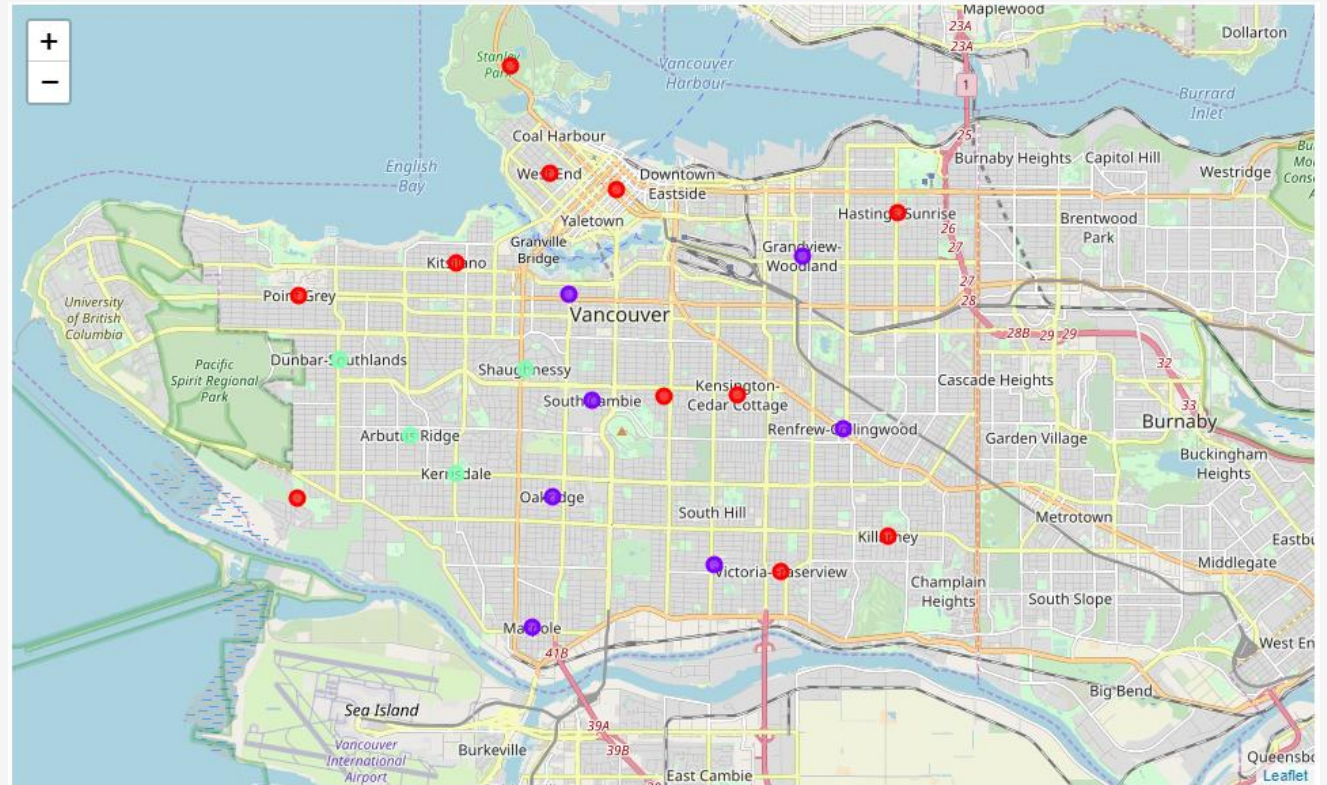


	CRIME_TYPE	NEIGHBOURHOOD	X	Y
0	Theft from Vehicle	Central Business District	492408.03	5458534.62
1	Theft from Vehicle	Central Business District	492403.16	5458628.36
2	Other Theft	Central Business District	491396.06	5458846.22
3	Other Theft	West End	490910.24	5459118.24
5	Theft from Vehicle	West End	490848.76	5458857.79



	neighborhood	latitude	longitude	cluster_labels	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime
0	Central Business District	49.281466	-123.114711	0	Theft from Vehicle	Other Theft	Mischief
1	West End	49.284131	-123.131795	0	Theft from Vehicle	Other Theft	Mischief
2	Riley Park	49.247438	-123.102966	0	Theft from Vehicle	Break and Enter Residential/Other	Mischief
3	Kerrisdale	49.234673	-123.155389	2	Theft from Vehicle	Break and Enter Residential/Other	Mischief
4	Marpole	49.209223	-123.136150	1	Theft from Vehicle	Other Theft	Mischief

Cluster Results



Cluster 0

Crime Cluster

	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime
0	Central Business District	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Bicycle
1	West End	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Bicycle
2	Riley Park	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Other Theft	Theft of Vehicle
5	Kensington-Cedar Cottage	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle
6	Stanley Park	Theft from Vehicle	Mischief	Theft of Bicycle	Vehicle Collision or Pedestrian Struck (with I...	Other Theft
10	Strathcona	Theft from Vehicle	Mischief	Break and Enter Commercial	Other Theft	Break and Enter Residential/Other
11	Kitsilano	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Bicycle
13	Hastings-Sunrise	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Other Theft	Theft of Vehicle
15	Victoria-Fraserview	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Vehicle Collision or Pedestrian Struck (with I...	Theft of Vehicle
16	West Point Grey	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Theft of Bicycle	Theft of Vehicle
19	Killarney	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle
23	Musqueam	Theft from Vehicle	Vehicle Collision or Pedestrian Struck (with I...	Theft of Vehicle	Mischief	Break and Enter Residential/Other

Merged with surrounding venues

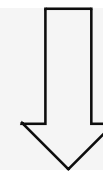
	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Central Business District	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Bicycle	Coffee Shop	Hotel	Steakhouse	Theater	Poke Place
1	West End	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Bicycle	Gay Bar	Bakery	Ramen Restaurant	Restaurant	Café
2	Riley Park	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Other Theft	Theft of Vehicle	Arts & Crafts Store	Vegetarian / Vegan Restaurant	Restaurant	Japanese Restaurant	Grocery Store
3	Kensington-Cedar Cottage	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle	Coffee Shop	Vietnamese Restaurant	Bus Stop	Indian Restaurant	Filipino Restaurant
4	Stanley Park	Theft from Vehicle	Mischief	Theft of Bicycle	Vehicle Collision or Pedestrian Struck (with I...	Other Theft	Trail	Lake	Park	Yoga Studio	Filipino Restaurant
5	Kitsilano	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Bicycle	Bakery	Coffee Shop	Tea Room	Yoga Studio	Grocery Store
6	Hastings-Sunrise	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Other Theft	Theft of Vehicle	Vietnamese Restaurant	Liquor Store	Beer Store	Park	Coffee Shop
7	Victoria-Fraserview	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Vehicle Collision or Pedestrian Struck (with I...	Theft of Vehicle	Convenience Store	Pizza Place	Sandwich Place	Fast Food Restaurant	Yoga Studio
8	West Point Grey	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Theft of Bicycle	Theft of Vehicle	Pool	Yoga Studio	Cuban Restaurant	Dessert Shop	Dim Sum Restaurant
9	Killarney	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle	Pool	Soccer Field	Italian Restaurant	Gym	Deli / Bodega

Translates to

Cluster 1

Crime Cluster

	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime
4	Marpole	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Break and Enter Commercial
7	Mount Pleasant	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Bicycle
8	Renfrew-Collingwood	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Theft of Vehicle
12	Grandview-Woodland	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle
14	Sunset	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Vehicle
17	Oakridge	Theft from Vehicle	Other Theft	Break and Enter Residential/Other	Mischief	Theft of Vehicle
18	Fairview	Theft from Vehicle	Other Theft	Mischief	Theft of Bicycle	Break and Enter Commercial
20	South Cambie	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Vehicle Collision or Pedestrian Struck (with I...



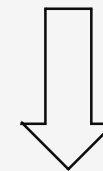
Merged with surrounding venues

	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Marpole	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Break and Enter Commercial	Sushi Restaurant	Pizza Place	Chinese Restaurant	Vietnamese Restaurant	Grocery Store
1	Renfrew-Collingwood	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Theft of Vehicle	Vietnamese Restaurant	Chinese Restaurant	Pharmacy	Shanghai Restaurant	Café
2	Grandview-Woodland	Theft from Vehicle	Mischief	Other Theft	Break and Enter Residential/Other	Theft of Vehicle	Italian Restaurant	Pizza Place	Coffee Shop	Sushi Restaurant	Indian Restaurant
3	Sunset	Theft from Vehicle	Other Theft	Mischief	Break and Enter Commercial	Theft of Vehicle	Indian Restaurant	Dessert Shop	Ski Area	Filipino Restaurant	Deli / Bodega
4	Oakridge	Theft from Vehicle	Other Theft	Break and Enter Residential/Other	Mischief	Theft of Vehicle	Convenience Store	Fast Food Restaurant	Vietnamese Restaurant	Sandwich Place	Sushi Restaurant
5	Fairview	Theft from Vehicle	Other Theft	Mischief	Theft of Bicycle	Break and Enter Commercial	Coffee Shop	Park	Asian Restaurant	Sushi Restaurant	Korean Restaurant
6	South Cambie	Theft from Vehicle	Other Theft	Mischief	Break and Enter Residential/Other	Vehicle Collision or Pedestrian Struck (with I...	Coffee Shop	Park	Liquor Store	Bus Stop	Café

Cluster 2

Crime Cluster

	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime
3	Kerrisdale	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Vehicle Collision or Pedestrian Struck (with I...	Other Theft
9	Dunbar-Southlands	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Other Theft	Vehicle Collision or Pedestrian Struck (with I...
21	Shaughnessy	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Vehicle Collision or Pedestrian Struck (with I...	Break and Enter Commercial
22	Arbutus Ridge	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Other Theft	Vehicle Collision or Pedestrian Struck (with I...



Merged with surrounding venues

	neighborhood	1st Most Common Crime	2nd Most Common Crime	3rd Most Common Crime	4th Most Common Crime	5th Most Common Crime	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Kerrisdale	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Vehicle Collision or Pedestrian Struck (with I...	Other Theft	Coffee Shop	Pharmacy	Tea Room	Chinese Restaurant	Sandwich Place
1	Dunbar-Southlands	Theft from Vehicle	Mischief	Break and Enter Residential/Other	Other Theft	Vehicle Collision or Pedestrian Struck (with I...	Sushi Restaurant	Italian Restaurant	Coffee Shop	Liquor Store	Fast Food Restaurant
2	Shaughnessy	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Vehicle Collision or Pedestrian Struck (with I...	Break and Enter Commercial	Park	Bus Stop	French Restaurant	Yoga Studio	Filipino Restaurant
3	Arbutus Ridge	Theft from Vehicle	Break and Enter Residential/Other	Mischief	Other Theft	Vehicle Collision or Pedestrian Struck (with I...	Bakery	Pet Store	Grocery Store	Nightlife Spot	Yoga Studio