

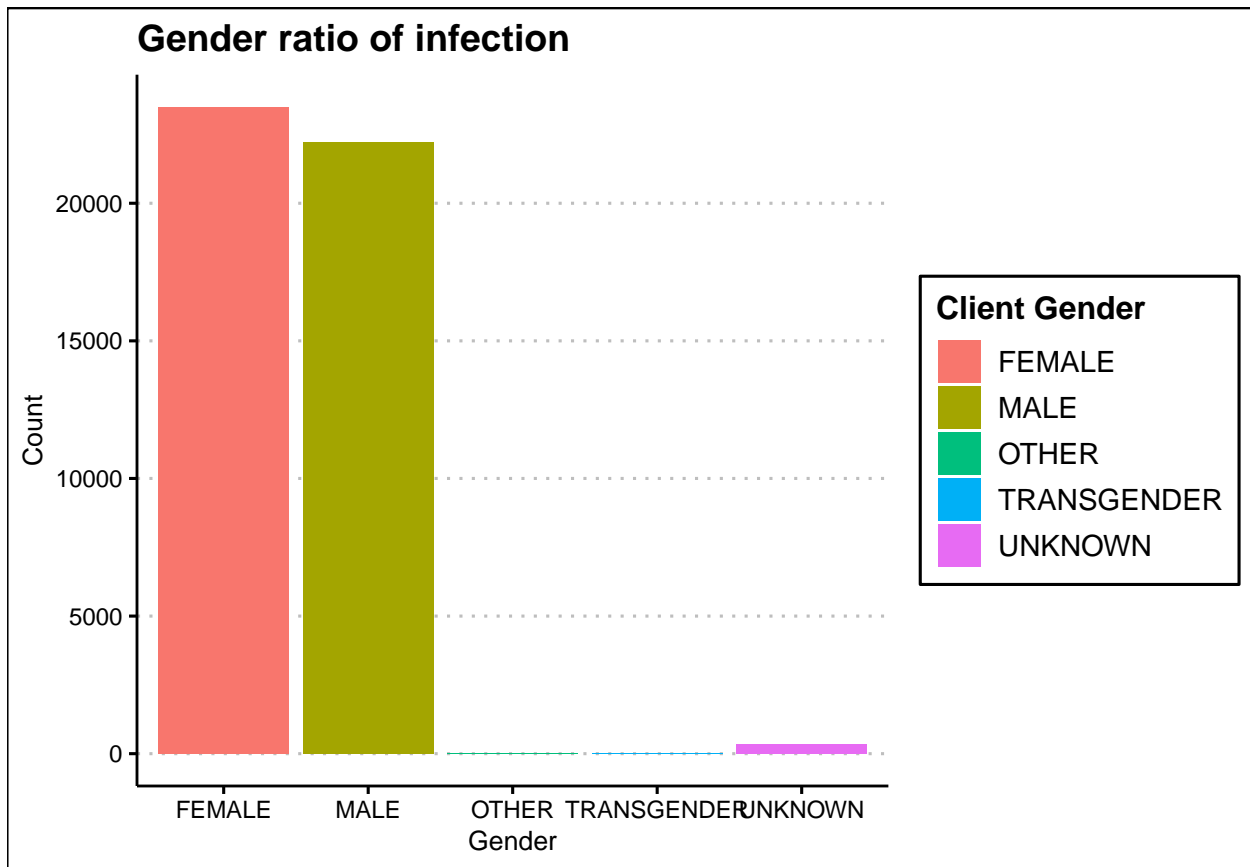
# Statistical Analysis of COVID-19 Cases In Toronto (Rough Draft)

Anonymous

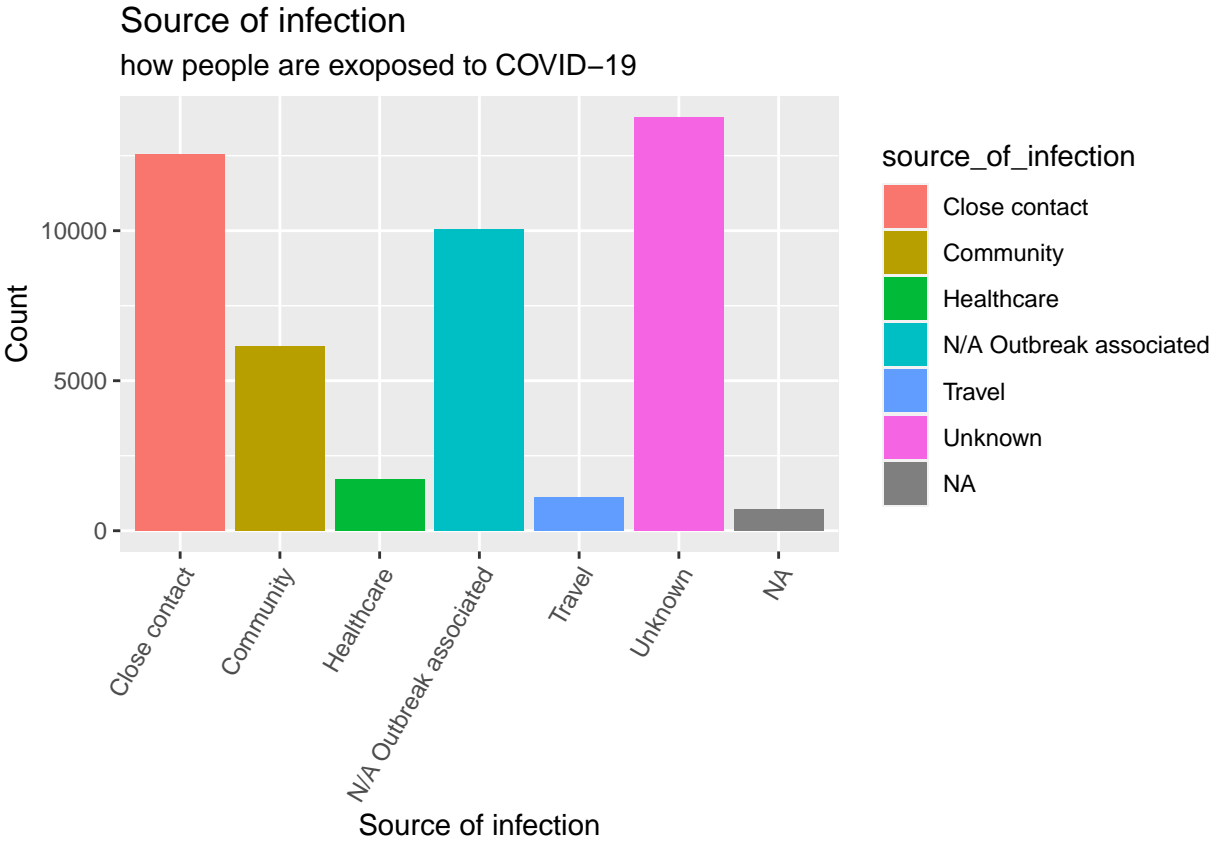
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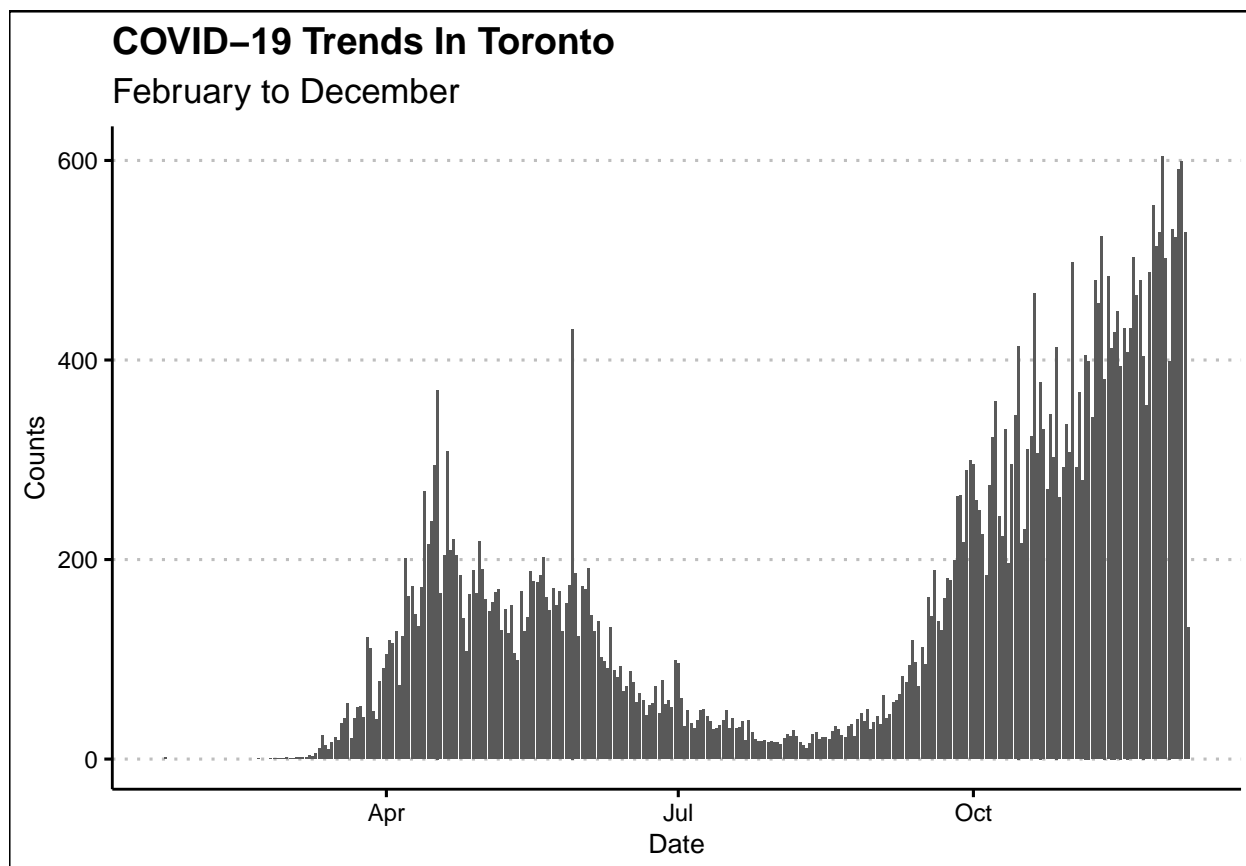
## Introduction

Description Using 'About COVID-19 Cases in Toronto' data from the 'Toronto Open Data' website. The data contains gender, age group, source of infection, classification, etc. I want to create an analysis of this data to see how people mostly got infected, and what age group is most exposed to the viruses. I am also planning to find relationships between variable some of the variables that is important and interesting here but have not figure out how to do it. Most of the data is categorical variable so I will have to convert the variables to quantitative values.I will use statistical methods I have learned in STA304 course and try to make it simple and well organized.

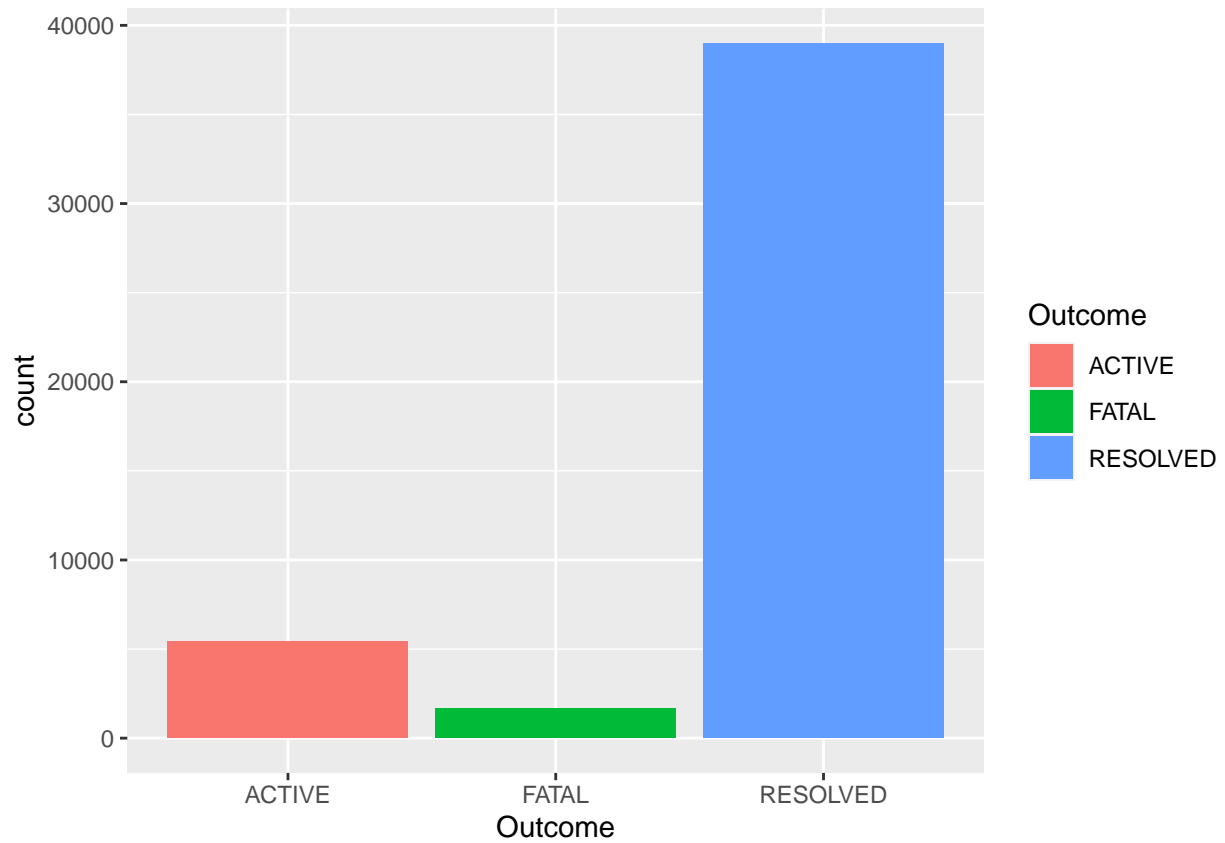


Gender	percentage
FEMALE	50.9663146
MALE	48.2007678
OTHER	0.0281977
TRANSGENDER	0.0173524
UNKNOWN	0.7873674





```
## # A tibble: 3 x 2
##   Outcome      n
##   <chr>    <int>
## 1 ACTIVE    5441
## 2 FATAL     1672
## 3 RESOLVED 38990
```



Outcome	Ratio
Active	0.1180184
Fatal	0.0362666
Resolved	0.8457150

Citation

CSV Data: Open Data Dataset. (n.d.). Retrieved December 10, 2020, from <https://open.toronto.ca/dataset/covid-19-cases-in-toronto/>

## Appendix

Table 1: Covid-19 cases in different neighbourhoods

Var1	Freq
Agincourt North	355
Agincourt South-Malvern West	291
Alderwood	145
Annex	290
Banbury-Don Mills	193
Bathurst Manor	398
Bay Street Corridor	186
Bayview Village	136
Bayview Woods-Steeles	195
Bedford Park-Nortown	272
Beechborough-Greenbrook	202
Bendale	722
Birchcliffe-Cliffside	437
Black Creek	882
Blake-Jones	60
Briar Hill - Belgravia	256
Bridle Path-Sunnybrook-York Mills	53
Broadview North	90
Brookhaven-Amesbury	454
Cabbagetown-South St. James Town	228
Caledonia-Fairbank	148
Casa Loma	78
Centennial Scarborough	126
Church-Yonge Corridor	339
Clairlea-Birchmount	545
Clanton Park	181
Cliffcrest	250
Corso Italia-Davenport	174
Danforth	96
Danforth-East York	117

Table 2: Covid-19 cases in different neighbourhoods

Var1	Freq
Don Valley Village	242
Dorset Park	703
Dovercourt-Wallace Emerson-Junction	346
Downsview-Roding-CFB	1146
Dufferin Grove	143
East End-Danforth	200
Edenbridge-Humber Valley	237
Eglinton East	474
Elms-Old Rexdale	243
Englemount-Lawrence	472
Eringate-Centennial-West Deane	198
Etobicoke West Mall	241
Flemingdon Park	526
Forest Hill North	153
Forest Hill South	62
Glenfield-Jane Heights	1147
Greenwood-Coxwell	120
Guildwood	232
Henry Farm	247
High Park-Swansea	181
High Park North	135
Highland Creek	283
Hillcrest Village	135
Humber Heights-Westmount	290
Humber Summit	381
Humbermede	539
Humewood-Cedarvale	93
Ionview	152
Islington-City Centre West	717
Junction Area	166
Keelestdale-Eglinton West	181

Table 3: Covid-19 cases in different neighbourhoods

Var1	Freq
Kennedy Park	366
Kensington-Chinatown	234
Kingsview Village-The Westway	671
Kingsway South	86
L'Amoreaux	584
Lambton Baby Point	56
Lansing-Westgate	138
Lawrence Park North	87
Lawrence Park South	90
Leaside-Bennington	123
Little Portugal	222
Long Branch	77
Malvern	1130
Maple Leaf	446
Markland Wood	87
Milliken	261
Mimico (includes Humber Bay Shores)	422
Morningside	464
Moss Park	367
Mount Dennis	405
Mount Olive-Silverstone-Jamestown	1449
Mount Pleasant East	83
Mount Pleasant West	359
New Toronto	146
Newtonbrook East	90
Newtonbrook West	533
Niagara	321
North Riverdale	75
North St. James Town	379
O'Connor-Parkview	189
Oakridge	295

Table 4: Covid-19 cases in different neighbourhoods

Var1	Freq
Oakwood Village	366
Old East York	87
Palmerston-Little Italy	94
Parkwoods-Donalda	365
Pelmo Park-Humberlea	303
Playter Estates-Danforth	92
Pleasant View	163
Princess-Rosethorn	102
Regent Park	172
Rexdale-Kipling	293
Rockcliffe-Smythe	411
Roncesvalles	113
Rosedale-Moore Park	129
Rouge	1271
Runnymede-Bloor West Village	47
Rustic	232
Scarborough Village	518
South Parkdale	468
South Riverdale	146
St.Andrew-Windfields	98
Steeles	207
Stonegate-Queensway	160
Tam O'Shanter-Sullivan	395
Taylor-Massey	251
The Beaches	81
Thistletown-Beaumont Heights	449
Thornccliffe Park	673
Trinity-Bellwoods	128
University	95
Victoria Village	283
Waterfront Communities-The Island	688
West Hill	442

Table 5: Covid-19 cases in different neighbourhoods

Var1	Freq
West Hill	442
West Humber-Clairville	1260
Westminster-Branson	618
Weston	745
Weston-Pellam Park	163
Wexford/Maryvale	376
Willowdale East	264
Willowdale West	149
Willowridge-Martingrove-Richview	368
Woburn	1356
Woodbine-Lumsden	55
Woodbine Corridor	74
Wychwood	150
Yonge-Eglinton	72
Yonge-St.Clair	67
York University Heights	989
Yorkdale-Glen Park	469