

Toronto Homicides and Shootings (To be Changed)*

**An analysis of police presence across Toronto neighbourhoods in relation to
homicide and shooting cases (2018-2023)**

Emily Su

September 26, 2024

First sentence. Second sentence. Third sentence. Fourth sentence.

Table of contents

1	Introduction	1
2	Data	2
2.1	Methodology	2
2.2	Data Source and Measurements	2
2.3	Variables of Interest	2
3	Results	2
3.1	Number of Homicide and Shooting Cases in Toronto from 2018 to 2023 in Toronto	2
3.2	Six Toronto Neighbourhoods with the Highest Cases of Homicides and Shootings	3
3.3	Police Facility Locations in relation to the Number of Homicides and Shootings from 2018 to 2023 in Toronto	6
4	Discussion	6
4.1	First discussion point	6
4.2	Second discussion point	6
4.3	Third discussion point	6
4.4	Areas of improvement	6
4.5	Next steps	7

*Code and data are available at: <https://github.com/moonsdust/toronto-homicides-shootings>.

Appendix	8
.1 Acknowledgments	8
.2 Note on Reproducing	8
.3 Code styling	8
.4 Additional Figures	9
.5 Additional Tables	9
References	10

1 Introduction

You can and should cross-reference sections and sub-sections. We use R Core Team (2023) and Wickham et al. (2019).

The remainder of this paper is structured as follows. Section 2....

2 Data

2.1 Methodology

2.2 Data Source and Measurements

2.3 Variables of Interest

3 Results

3.1 Number of Homicide and Shooting Cases in Toronto from 2018 to 2023 in Toronto

Looking at Table 1 and Figure 1, we can see that the number of shootings across all Toronto neighbourhoods increased from 427 cases in 2018 to 492 cases in 2019.

Table 1: Number of Homicide and Shooting Cases in Toronto from 2018 to 2023

Year	Type of crime	Total number of cases yearly	Proportion of cases yearly
2018	shooting	427	0.14
2018	homicide	98	0.03
2019	shooting	492	0.16
2019	homicide	79	0.03

Table 1: Number of Homicide and Shooting Cases in Toronto from 2018 to 2023

Year	Type of crime	Total number of cases yearly	Proportion of cases yearly
2020	shooting	462	0.15
2020	homicide	71	0.02
2021	shooting	409	0.14
2021	homicide	85	0.03
2022	shooting	380	0.13
2022	homicide	71	0.02
2023	shooting	342	0.11
2023	homicide	72	0.02

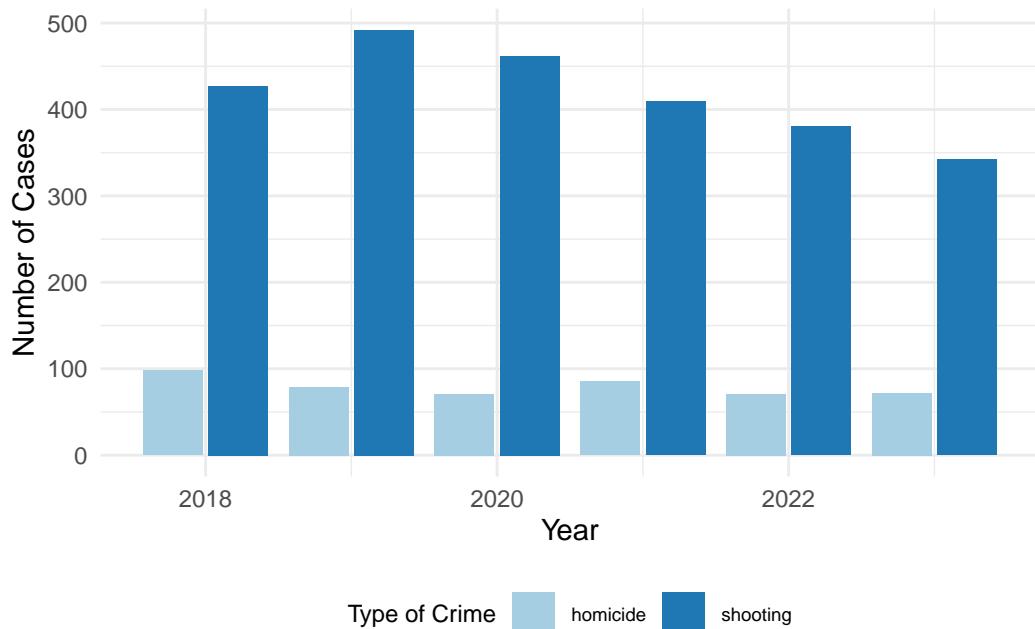


Figure 1: Number of Homicide and Shooting Cases in Toronto from 2018 to 2023

Table 2: Minimum, quartiles, median, and maximum of the number of homicides and shootings in Toronto from 2018 to 2023

Total number of cases
Min. : 71.00
1st Qu.: 77.25
Median : 220.00

Table 2: Minimum, quartiles, median, and maximum of the number of homicides and shootings in Toronto from 2018 to 2023

Total number of cases
Mean :249.00
3rd Qu.:413.50
Max. :492.00

Table 3: Minimum, quartiles, median, and maximum of the number of shootings in Toronto from 2018 to 2023

Total number of cases
Min. :342.0
1st Qu.:387.2
Median :418.0
Mean :418.7
3rd Qu.:453.2
Max. :492.0

Table 4: Minimum, quartiles, median, and maximum of the number of homicides in Toronto from 2018 to 2023

Total number of cases
Min. :71.00
1st Qu.:71.25
Median :75.50
Mean :79.33
3rd Qu.:83.50
Max. :98.00

3.2 Six Toronto Neighbourhoods with the Highest Cases of Homicides and Shootings

Table 5: Six Toronto Neighbourhoods with the Highest Cases of Shootings from 2018 to 2023

Neighbourhood	ID	Proportion of Neighbourhood Population (2023)	Total number of cases (2018 to 2023)	Proportion of cases (2018 to 2023)
Glenfield-Jane Heights	25	0	133	0.04
Mount Olive-Silverstone-Jamestown	2	0	82	0.03
Black Creek	24	0	69	0.02
York University Heights	27	0	59	0.02
Yorkdale-Glen Park	31	0	58	0.02
Golfdale-Cedarbrae-Woburn	141	0	54	0.02

Table 6: Six Toronto Neighbourhoods with the Highest Cases of Homicides from 2018 to 2023

Neighbourhood	ID	Proportion of Neighbourhood Population (2023)	Total number of cases (2018 to 2023)	Proportion of cases (2018 to 2023)
Moss Park	73	0	20	0.01
Mount Olive-Silverstone-Jamestown	2	0	15	0.01
Avondale	153	0	13	0.00
Glenfield-Jane Heights	25	0	11	0.00
York University Heights	27	0	11	0.00
Eglinton East	138	0	10	0.00

Table 7: Six Toronto Neighbourhoods with the Highest Cases of Homicides and Shootings Combined from 2018 to 2023

Neighbourhood	Neighbourhood ID	Proportion of Population (2023)	Total number of cases (2018 to 2023)	Proportion of cases (2018 to 2023)
Glenfield-Jane Heights	25	0	144	0.05
Mount Olive-Silverstone-Jamestown	2	0	97	0.03
Black Creek	24	0	77	0.03
York University Heights	27	0	70	0.02
Yorkdale-Glen Park	31	0	64	0.02
West Humber-Clairville	1	0	60	0.02

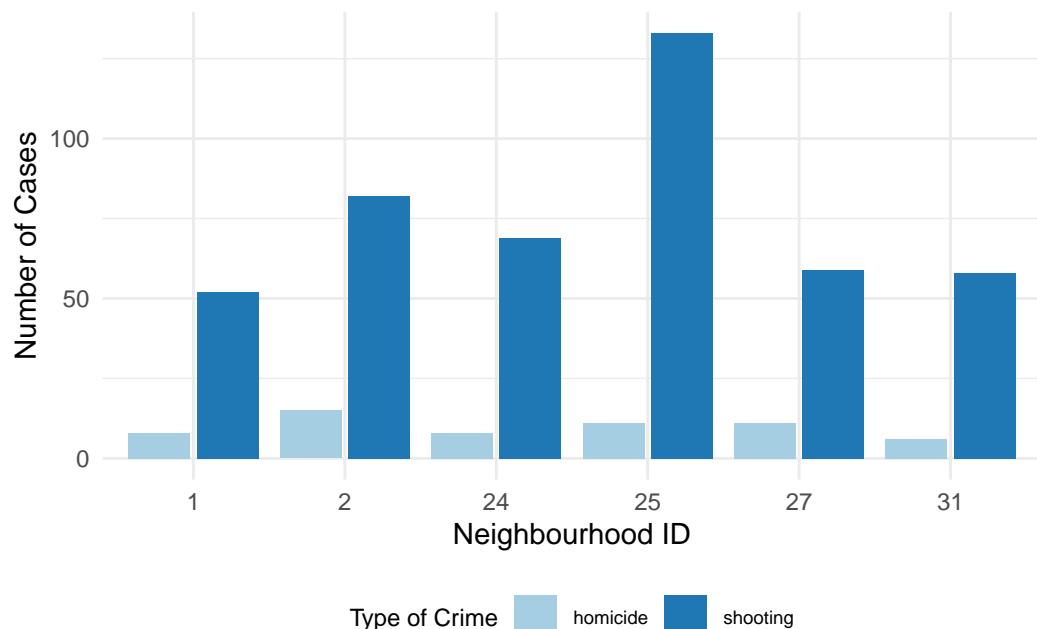


Figure 2: Six Toronto Neighbourhoods with the Highest Cases of Homicides and Shootings from 2018 to 2023

3.3 Police Facility Locations in relation to the Number of Homicides and Shootings from 2018 to 2023 in Toronto

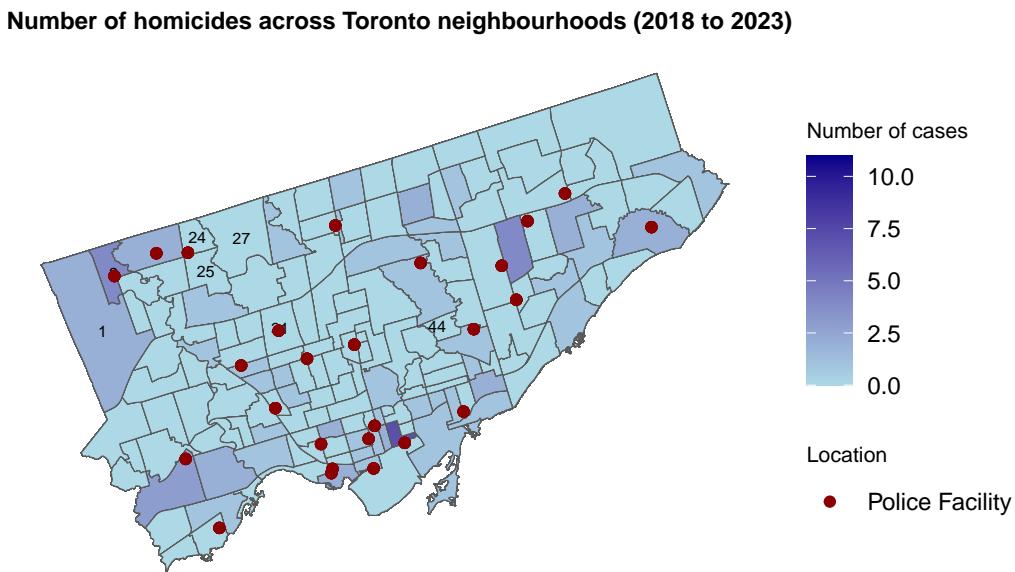


Figure 3: Location of police facilities in relation to Toronto neighbourhoods with the highest number of homicides from 2018 to 2023.

4 Discussion

4.1 First discussion point

If my paper were 10 pages, then should be be at least 2.5 pages. The discussion is a chance to show off what you know and what you learnt from all this.

4.2 Second discussion point

4.3 Third discussion point

4.4 Areas of improvement

Weaknesses and next steps should also be included.

Number of shootings across Toronto neighbourhoods (2018 to 2023)

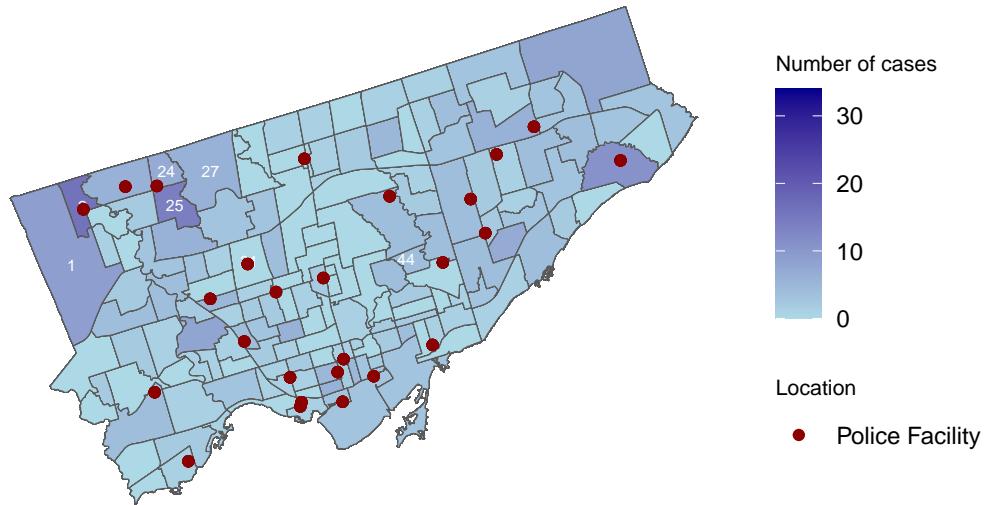


Figure 4: Location of police facilities in relation to six Toronto neighbourhoods with the highest number of shootings from 2018 to 2023.

4.5 Next steps

Appendix

.1 Acknowledgments

We would like to acknowledge (**citetellingstorieswithdata?**) for some R code that was used to produce the tables and graphs.

.2 Note on Reproducing

To reproduce the results in the paper, first run the scripts found in the scripts folder of the GitHub repository corresponding to the paper starting with the script, 00-install_packages.R to install the necessary packages.

.3 Code styling

Code written in the scripts was checked and styled with lintr (**citelintr?**) and styler (**citestyler?**).

.4 Additional Figures

.5 Additional Tables

Table 8: Average total income of households in 2020 across the 25 wards of Toronto.

Ward Number	Ward Name	Average total income of households in 2020 (\$)
1	Etobicoke North	95200
2	Etobicoke Centre	146600
3	Etobicoke-Lakeshore	127200
4	Parkdale-High Park	127200
5	York South-Weston	88700
6	York Centre	107500
7	Humber River-Black Creek	85700
8	Eglinton-Lawrence	176400
9	Davenport	107300
10	Spadina-Fort York	118200
11	University-Rosedale	174800
12	Toronto-St. Paul's	160400
13	Toronto Centre	89400

Table 8: Average total income of households in 2020 across the 25 wards of Toronto.

Ward Number	Ward Name	Average total income of households in 2020 (\$)
14	Toronto-Danforth	130800
15	Don Valley West	224800
16	Don Valley East	100300
17	Don Valley North	103800
18	Willowdale	106300
19	Beaches-East York	130600
20	Scarborough Southwest	102200
21	Scarborough Centre	91500
22	Scarborough-Agincourt	93000
23	Scarborough North	100000
24	Scarborough-Guildwood	92700
25	Scarborough-Rouge Park	121800

References

- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Grolemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.