

# Marriages in Toronto before and after the pandemic\*

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September 19, 2024

This paper explores trends in marriage licenses in Toronto, with a focus on how the COVID-19 pandemic affected marital patterns of residents in Toronto. Utilizing a dataset of marriage license registrations from 2015 to 2023, we perform explanatory data analysis to visualize changes in marriage rates before, during, and after the pandemic. Our analysis reveals a decline in licenses issued during the pandemic, followed by a sharp rebound in the post-pandemic period, as in Figure 1. On the other hand, in general the total marriage licenses in Toronto does not reveal a boost after the pandemic. Instead, the recover is slow and steady, as in Figure 2.

The project is done by using R (R Core Team (2023)) and data is retrieved open data toronto API (Gelfand (2022)).

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\*Code and data are available at: <https://github.com/xgao28/Marriage-Licence-Statistics>

**Number of Marriage Licenses Over Time**  
An overview of trends in marriage licenses issued

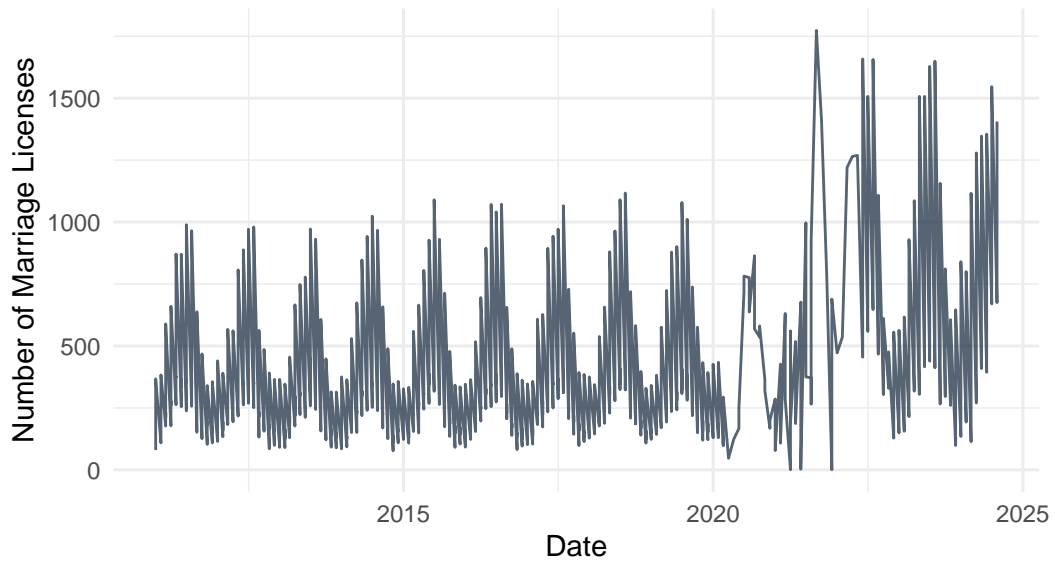


Figure 1: Number of marriage licenses over time

**Incidents by Year**

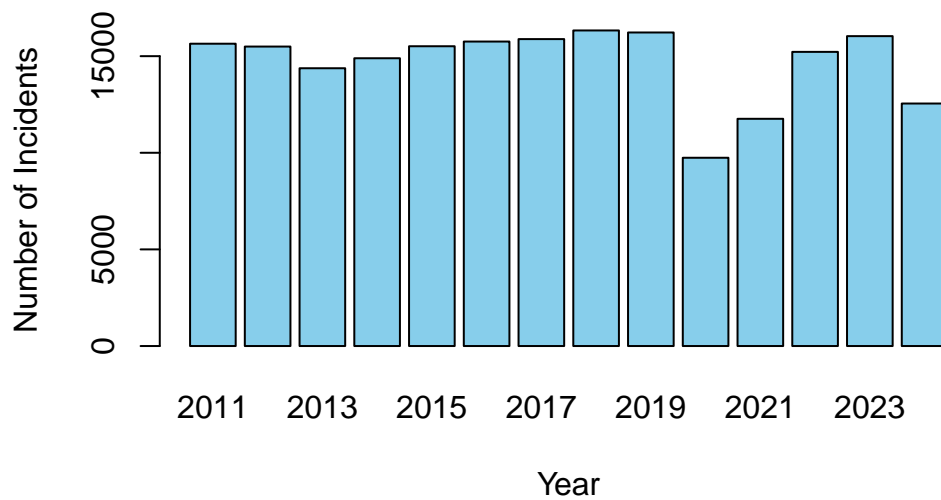


Figure 2: Number of total marriage licenses each year

## References

- Gelfand, Sharla. 2022. *Opendatatoronto: Access the City of Toronto Open Data Portal*. <https://CRAN.R-project.org/package=opendatatoronto>.
- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.