

Marriage License Statistics Research*

A statistical approach to examine the effect of COVID-19 on marriage license rates in Toronto.

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This is an abstract of this research article.

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

Some of our data is of marriage licenses (Figure 1).

Rows: 544 Columns: 6

-- Column specification -----

Delimiter: ","

chr (2): civic_centre, month

dbl (3): id, marriage_licenses, year

date (1): date

i Use `spec()` to retrieve the full column specification for this data.

i Specify the column types or set `show_col_types = FALSE` to quiet this message.

This graph shows the number of marriage licenses obtained relative to the date in Toronto.

*Code and data are available at: [LINK](#).

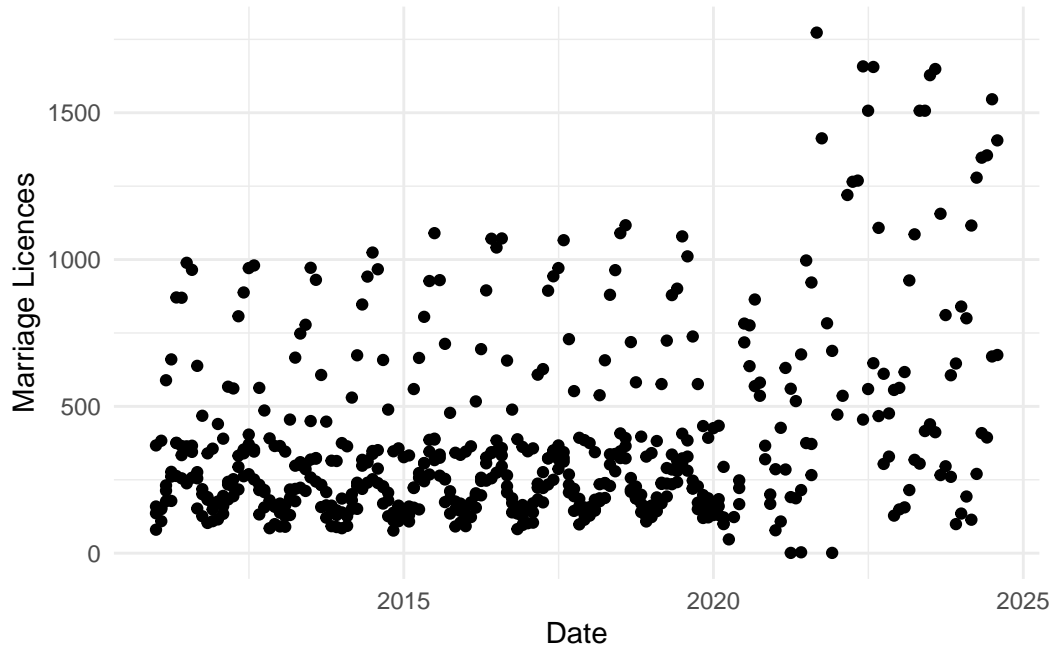


Figure 1: Marriage Licenses Relative to Time

3 Discussion

This section discusses the implications of the marriage data with regard to COVID-19.

3.1 First discussion point

The dip around 2020 shows a decrease in marriage licensing shows the affect of COVID-19. There was a decreased marriage licensing rate during those times.

3.2 Second discussion point

3.3 Third discussion point

3.4 Weaknesses and next steps

The data used did not provided dates, only months and years were available. A better representation could be possible if exact dates were present.

Appendix

A Additional data details

B Model details

B.1 Posterior predictive check

B.2 Diagnostics

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 Golemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.