Number of marriage licenses issued in Toronto from 2011 to 2024*

Marriage licenses

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Number of marriages in Toronto has been barely changing for last 10 years. However, starting in 2020, pattern of marriages has been dramatically changed due to pandemic. In this paper, it can show that pattern of marriages licenses issued during pandemic to current time (2020-2024) converted to random cloud. This implies that pandemic ruined the marriage pattern in Toronto.

1 Introduction

You can and should cross-reference sections and sub-sections. We use R Core Team (2023), Gelfand (2022), and Wickham et al. (2019).

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

2 Data

Some of our data is of penguins (**?@fig-marriage**), from Horst, Hill, and Gorman (2020).

*Code and data are available at: LINK.

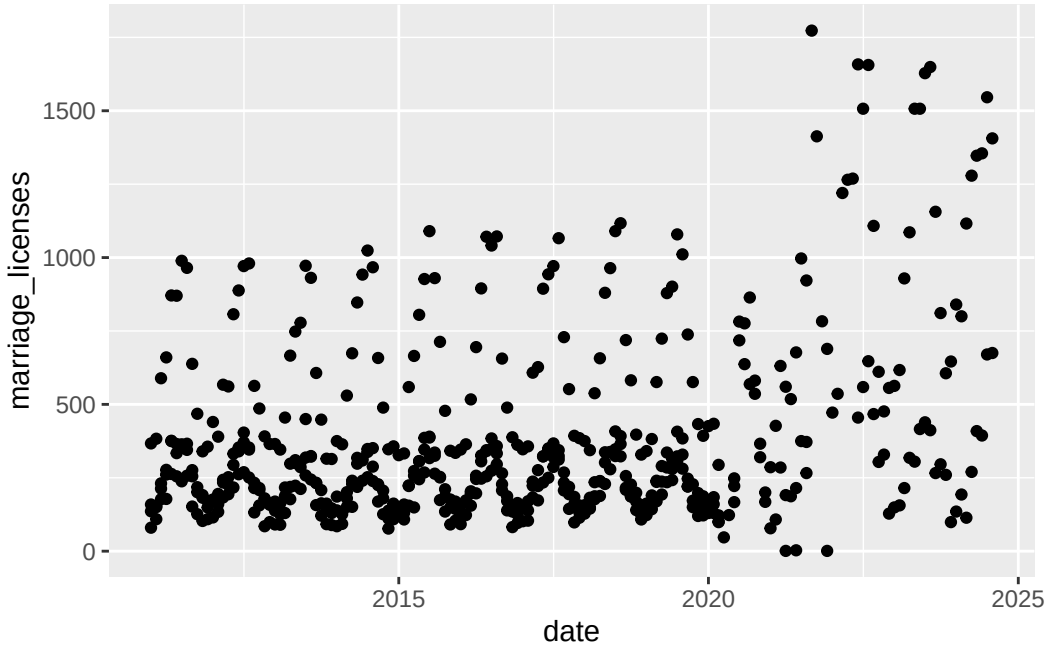

Figure 1: Date

This scatter plot shows the number of marriage licenses issued since 2011 to 2024 in Toronto. It shows regular cyclic pattern with some outliers until 2020.

3 Discussion

3.1 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.

3.2 Second discussion point

3.3 Third discussion point

3.4 Weaknesses and next steps

Weaknesses and next steps should also be included.

Appendix

A Additional data details

References

Gelfand, Sharla. 2022. *Opendatatoronto: Access the City of Toronto Open Data Portal*. https://CRAN.R-project.org/package=opendatatoronto.

Horst, Allison Marie, Alison Presmanes Hill, and Kristen B Gorman. 2020. *Palmerpenguins: Palmer Archipelago (Antarctica) Penguin Data*. https://doi.org/10.5281/zenodo.3960218.

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.