

A Timeline of Marriages in Toronto Before and After COVID*

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COVID 19 has had many effects on society, one being the rate of marriage. In this paper we plot and outline the data of marriage licenses acquired in Toronto. This will demonstrate how marriage license quantity declined during COVID, and rebounded hard right after.

1 Introduction

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 (Figure 1), from Horst, Hill, and Gorman (2020).

As seen in our plot here, we can see that marriages tend to follow a season pattern before COVID-19. After COVID-19, there is an uptick once again in the number of marriage licenses, and there is also much more variance month to month and the seasonal pattern seems to have disappeared.

3 Discussion

3.1 First discussion point

Marriages are very important and interesting to study as they can represent societal trends.

*Code and data are available at: <https://open.toronto.ca/dataset/marriage-licence-statistics/>.

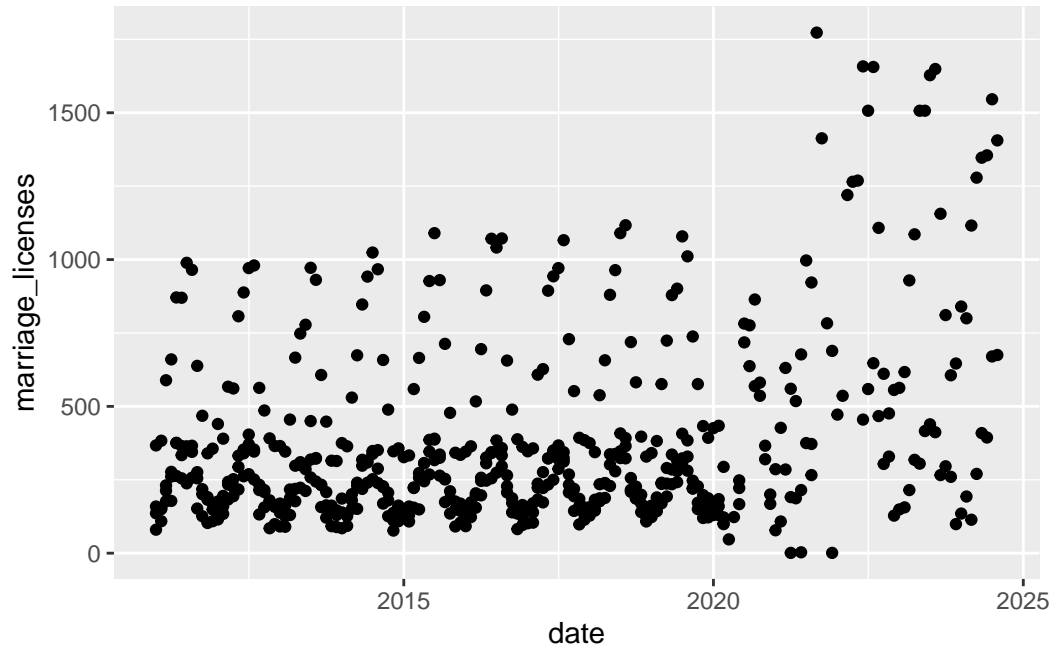


Figure 1: Bills of penguins

3.2 Second discussion point

3.3 Third discussion point

3.4 Weaknesses and next steps

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