Marriage Statistic*

Yitong Wang

September 19, 2024

The article is the data analysis for toronto marriage license, sctter plot included.

1 Introduction

We analysis the data of marriage license in Canada. 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).

Talk more about it.

And also planes

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.

*Code and data are available at: LINK.

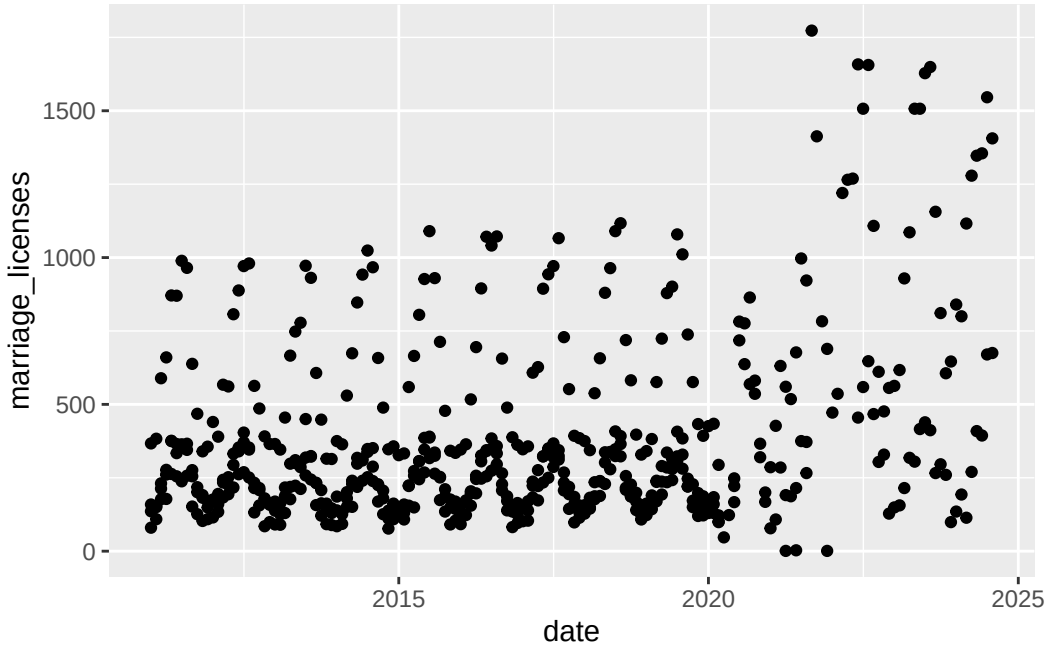

Figure 1: Bills of penguins

3.2 Second discussion point

Economic ups and downs, along with legal tweaks, really shake up how many folks decide to tie the knot. Spotting these trends helps us see how money and laws play into marriage decisions.

3.3 Third discussion point

Comparing today's marriage trends with past data shows how younger folks view marriage differently now. This shift might reflect broader changes in how we see relationships and commitments.

3.4 Weaknesses and next steps

Pointing out where our data might be off helps make our research more trust worthy. In the future, we could look deeper into why people choose certain times of the year to get married by tracking it over time or using detailed personal stories. Adding info like age or where people live could also give us a fuller picture of marriage trends.

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.