

The post 2007 turning point in US birth rates implies significant societal shifts in the USA.*

Sagith Kalaichelvam

Youngho Kim

Joseph Chung

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This paper examines the causes of the drastic decline in the US birthrate after 2007. The paper shows that the decline can be seen across many groups of women, the demographic factors contributing to the decline in the US birthrate since 2007. In this paper, we argue that other factors, such as economic and political factors, do not account for the drastic decline in the US birthrate. The paper concludes with strong evidence showing that the substantial decline in the US birthrate following the 2007 recession is caused by cohort effects rather than period effects.

1 Introduction

We need Figure 1, Figure 2 - A & B, Table 1, Figure 4, and Figure 5 to show the evidence for our claim.

You can and should cross-reference sections and sub-sections. For instance, Section 2 and Section 5.1.

2 Data

Our data is of penguins (Figure 1).

Talk more about it.

Also bills and their average (Figure 2). (You can change the height and width, but don't worry about doing that until you have finished every other aspect of the paper - Quarto will try to make it look nice and the defaults usually work.)

Talk way more about it.

*Code and data are available at: <https://github.com/UtopianYoungChung/Paper2.git>

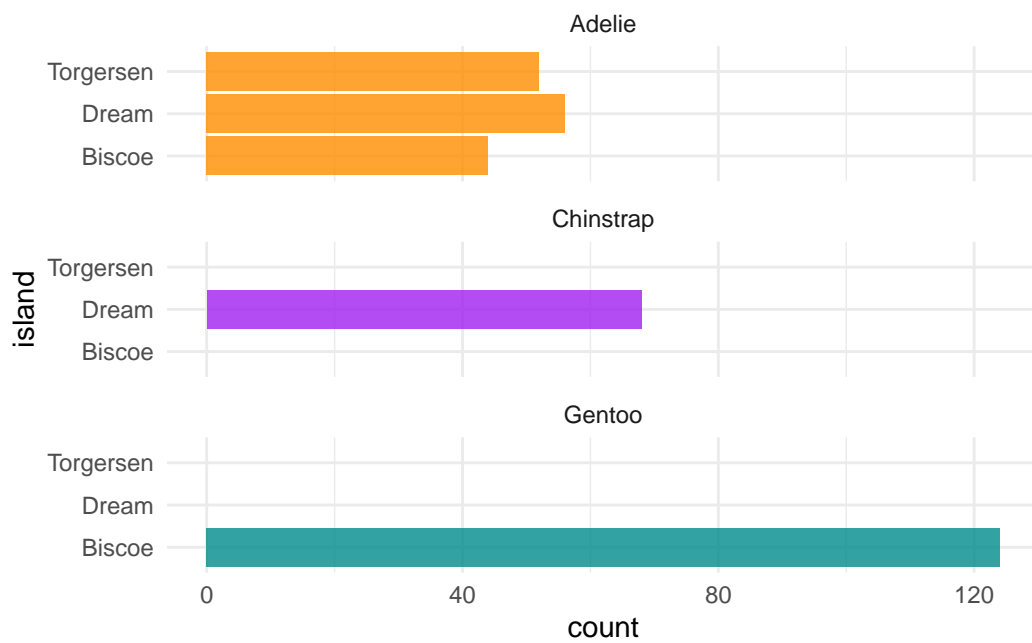


Figure 1: Bills of penguins

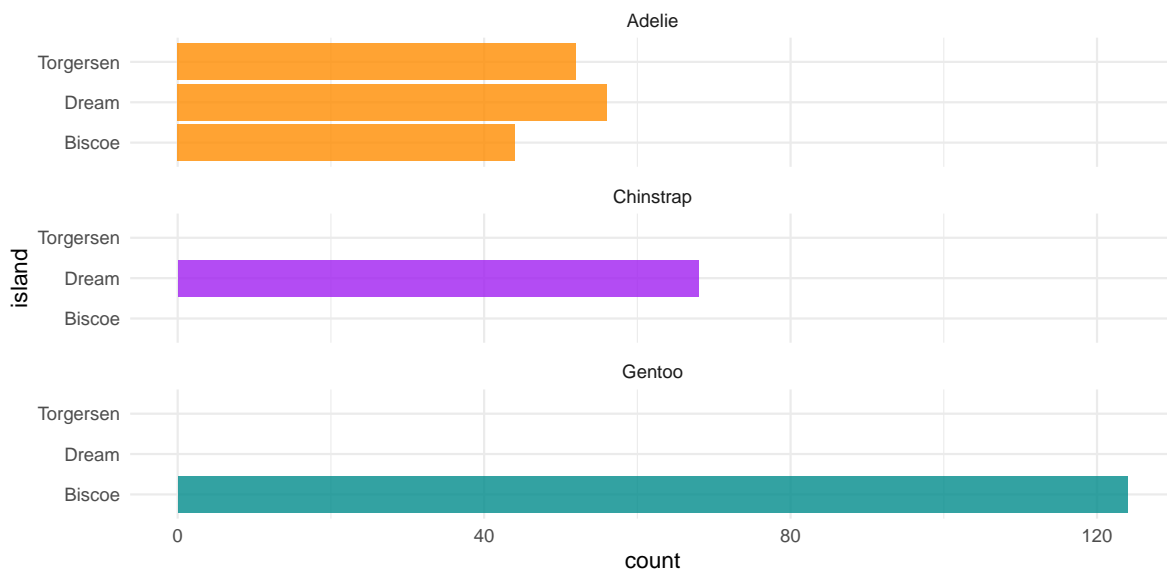


Figure 2: More bills of penguins

3 Model

$$Pr(\theta|y) = \frac{Pr(y|\theta)Pr(\theta)}{Pr(y)} \quad (1)$$

Equation 1 seems useful, eh?

Here's a dumb example of how to use some references: In paper we run our analysis in R (R Core Team 2020). We also use the `tidyverse` which was written by Wickham et al. (2019) If we were interested in baseball data then Friendly et al. (2020) could be useful.

We can use maths by including latex between dollar signs, for instance θ .

4 Results

5 Discussion

5.1 First discussion point

If my paper were 10 pages, then should be at least 2.5 pages. The discussion is a chance to show off what you know and what you learnt from all this.

5.2 Second discussion point

5.3 Third discussion point

5.4 Weaknesses and next steps

Weaknesses and next steps should also be included.

Appendix

A Additional details

References

- Friendly, Michael, Chris Dalzell, Martin Monkman, and Dennis Murphy. 2020. *Lahman: Sean “Lahman” Baseball Database*. <https://CRAN.R-project.org/package=Lahman>.
- R Core Team. 2020. *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 Grolemond, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.