TBD*

TBD

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Abstract

First sentence. Second sentence. Third sentence. Fourth sentence.

1 Introduction

With the US federal election 2020 swinging by, there is intense debate on who will be the upcoming US president of the United States. The election uses the electoral college system where each state is given a certain number of votes. Candidates with the 270 votes or more will win the election. Us is govern by 2 major parties, Democrats and Republicans. The candidate representing Democrats is Joe Biden while the candidate representing Republicans is Donald Trump. Both candidates have held positions prior to the 2020 election making them a strong contender for this election. Donald Trump is the current sitting president of the United States while Joe Biden was the vice president of the previous administration.

This research is about who will win the US election. The election result has massive impact for the global population. The sitting president will set the tone for international and domestic policies.

There are several sections to this paper. Section 2 will talk about the survey data and ACS data, section 3 will detail the model that us use to predict the winner of the US election, section 4 we will get to see the results, section 5 will be discussion on the findings and weaknesses.

2 Data

The survey data is provided by Nationscape (Tausanovitch and Vavreck (2020)).

The stratification dataset is by IPUMS USA (Steven Ruggles and Sobek (2020)).

The cleaning of survey data and stratification data uses `haven` (Wickham and Miller (2020)) package to read the data

Our data is of penguins (Figure 1).

Talk more about it.

Also bills and their average (Figure 2). (Notice how you can change the height and width so they don't take the whole page?)

Talk way more about it.

*Code and data are available at: https://github.com/karhian/2020-election

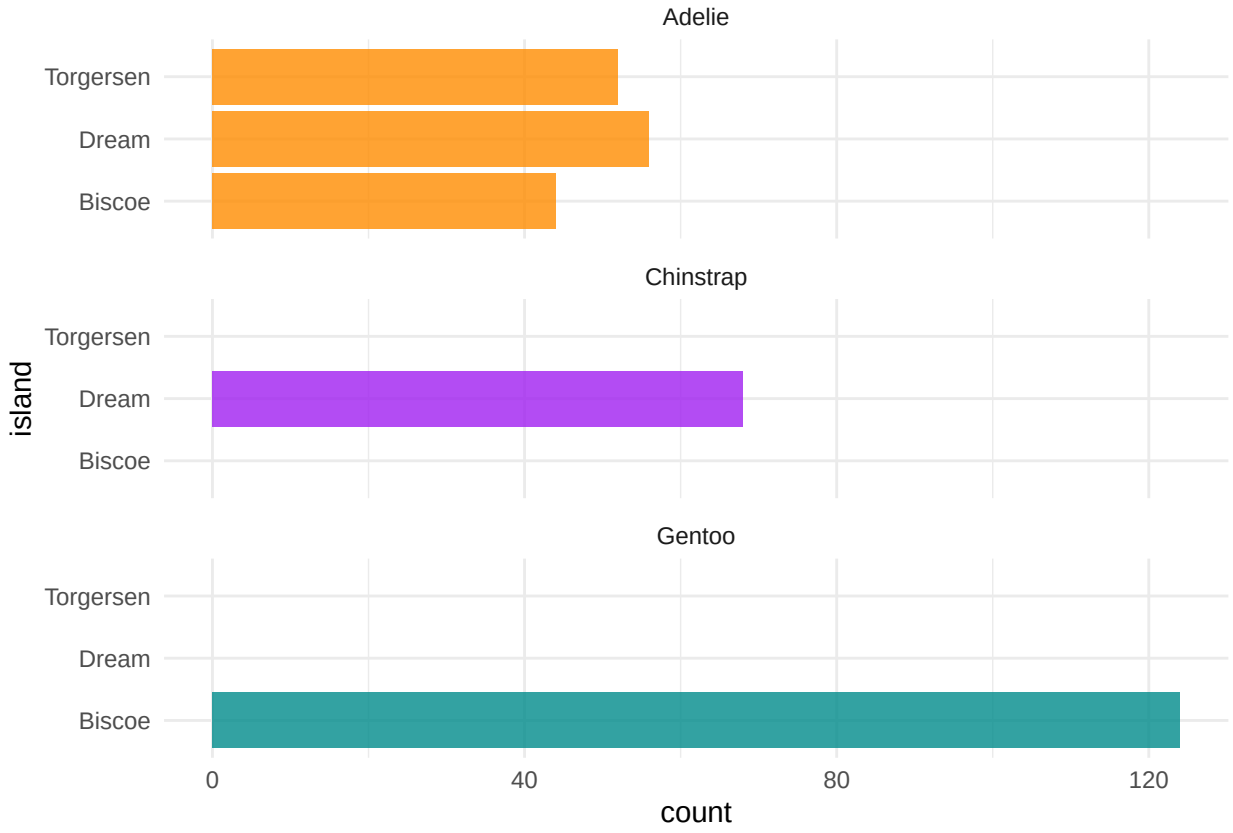

Figure 1: Bills of penguins

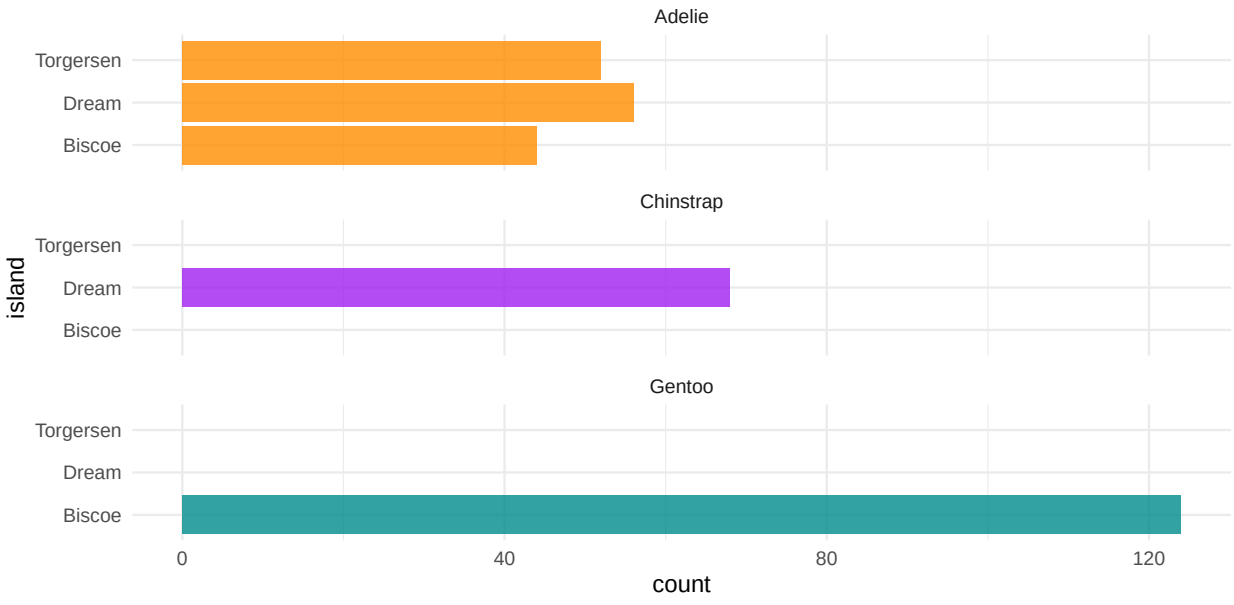

Figure 2: More bills of penguins

3 Model

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

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.

4 Results

5 Discussion

5.1 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.

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

Code and data are available at: https://github.com/karhian/2020-election

References

Friendly, Michael, Chris Dalzell, Martin Monkman, and Dennis Murphy. 2020. *Lahman: Sean "Lahman" Baseball Database*. https://CRAN.R-project.org/package=Lahman.

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Tausanovitch, Chris, and Lynn Vavreck. 2020. *Democracy Fund + Ucla Nationscape,October 10-17, 2019 (Version 20200814)*. https://www.voterstudygroup.org/publication/nationscape-data-set.

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.

Wickham, Hadley, and Evan Miller. 2020. *Haven: Import and Export 'Spss', 'Stata' and 'Sas' Files*. https://CRAN.R-project.org/package=haven.