

TBD\*

TBD

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01 November 2020

### Abstract

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

## 1 Introduction

## 2 Data

Our data is of penguins (Figure 1).

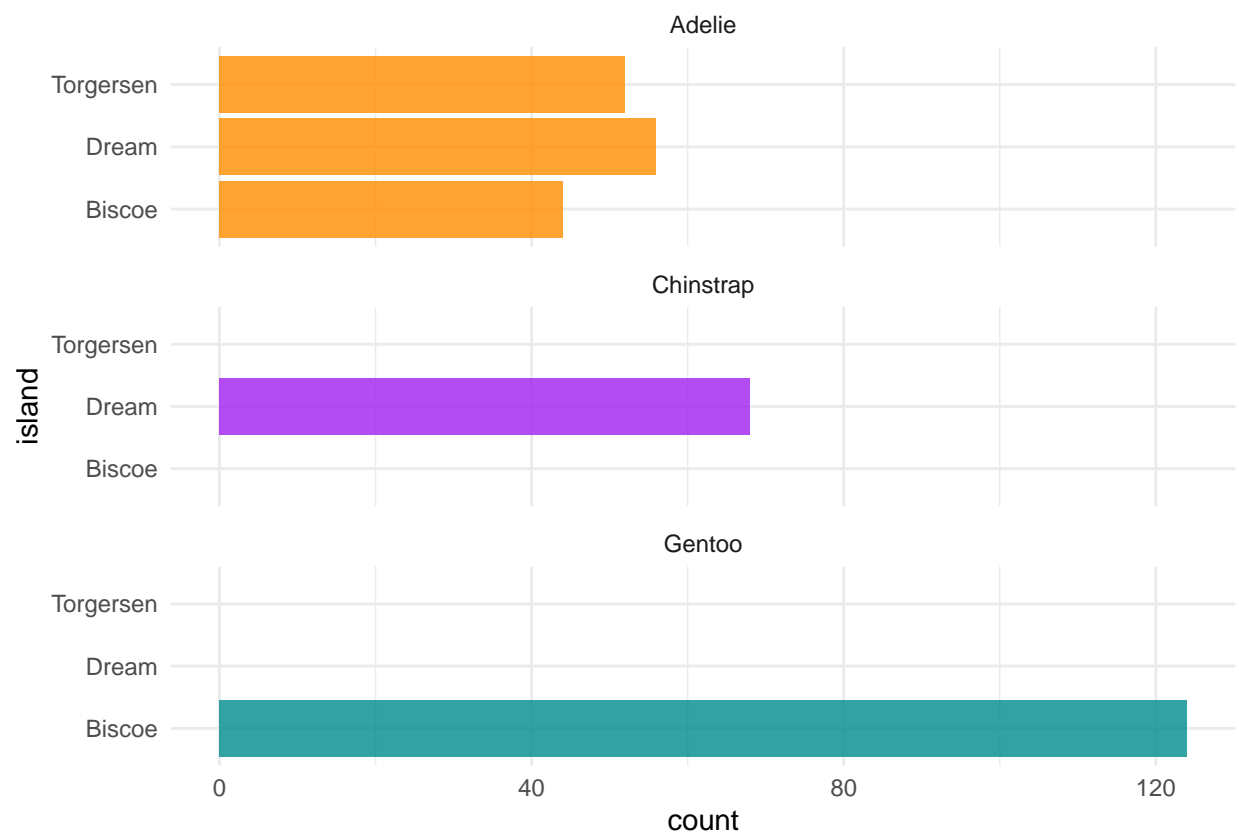


Figure 1: Bills of penguins

Talk more about it.

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\*Code and data are available at: [LINK](#).

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

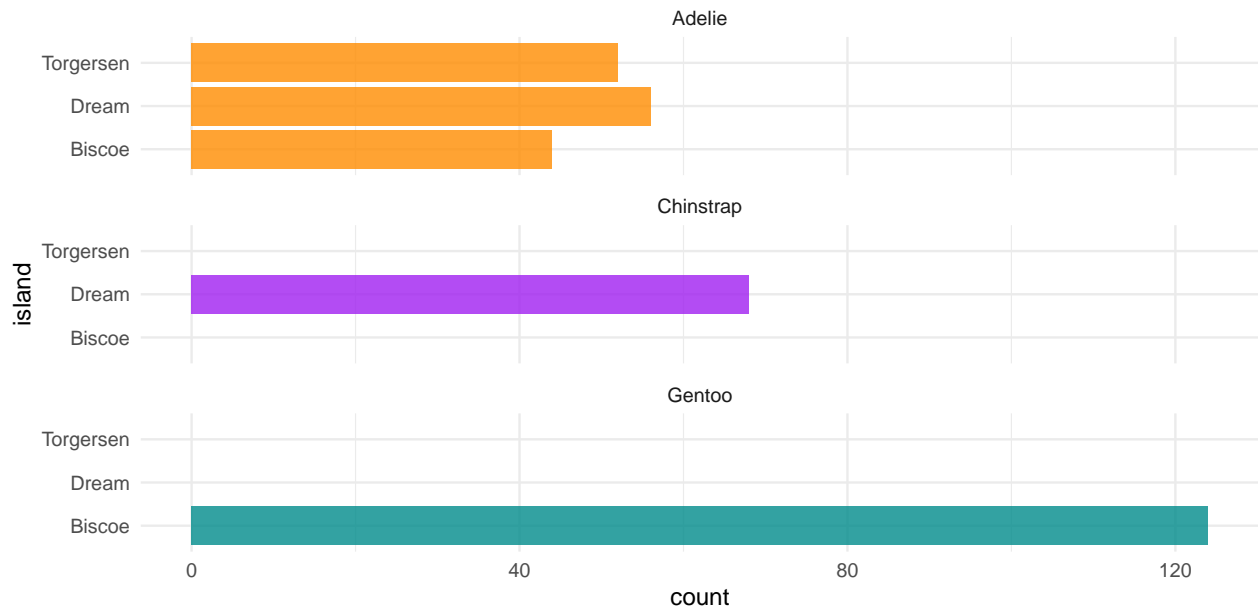


Figure 2: More bills of penguins

Talk way more about it.

### 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 (???) 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

## 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/>.