

My title*

My subtitle if needed

First author

Another author

16 February 2023

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

1 Introduction

You can and should cross-reference sections and sub-sections. For instance, Section [2](#) and Section [5.1](#).

2 Data

Taylor swift (?@fig-taylor).

Table 1: Bills of penguins

Album	Average danceability
1989	0.6499487
1989 (Big Machine Radio Release Special)	0.6702692
1989 (Deluxe Edition)	0.6332941
1989 (Deluxe)	0.6332105
evermore	0.5156444
evermore (deluxe version)	0.5225588
Fearless	0.5813651
Fearless (Big Machine Radio Release Special)	0.6713846
Fearless (International Version)	0.5708125
Fearless (Karaoke Version)	0.5517692

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

Album	Average danceability
Fearless (Platinum Edition)	0.5759474
Fearless (Taylor's Version)	0.5510385
Fearless Karaoke	0.5576154
Fearless Platinum Edition	0.5759474
folklore	0.5675938
folklore (deluxe version)	0.5480294
folklore: the long pond studio sessions (from the Disney+ special) [deluxe edition]	0.5547353
Live From Clear Channel Stripped 2008	0.5481250
Lover	0.6582222
Midnights	0.6440385
Midnights (3am Edition)	0.6272750
Red	0.6165000
Red (Big Machine Radio Release Special)	0.6740312
Red (Deluxe Edition)	0.6333864
Red (Karaoke Version)	0.6101250
Red (Taylor's Version)	0.5771667
reputation	0.6579333
reputation (Big Machine Radio Release Special)	0.6840323
reputation Stadium Tour Surprise Song Playlist	0.5964130
Speak Now	0.5504643
Speak Now (Big Machine Radio Release Special)	0.6206071
Speak Now (Deluxe Edition)	0.5564500
Speak Now (Deluxe Package)	0.5590000
Speak Now (Japanese Version)	0.5534375
Speak Now (Karaoke Version)	0.5680000
Speak Now (US Version)	0.5491429
Speak Now World Tour Live	0.4413125
Taylor Swift	0.5452667
Taylor Swift (Big Machine Radio Release Special)	0.6298000
Taylor Swift (Karaoke Version)	0.5407857
Taylor Swift Karaoke	0.5334286
Taylor Swift Karaoke: 1989	0.6326923
Taylor Swift Karaoke: 1989 (Deluxe Edition)	0.6040000
Taylor Swift Karaoke: 1989 (Deluxe)	0.6154375
Taylor Swift Karaoke: Red	0.6121875
Taylor Swift Karaoke: reputation	0.6024667
Taylor Swift Karaoke: Speak Now	0.5692857

Talk more about it.

Also bills and their average (`?@fig-taylor`). (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.)

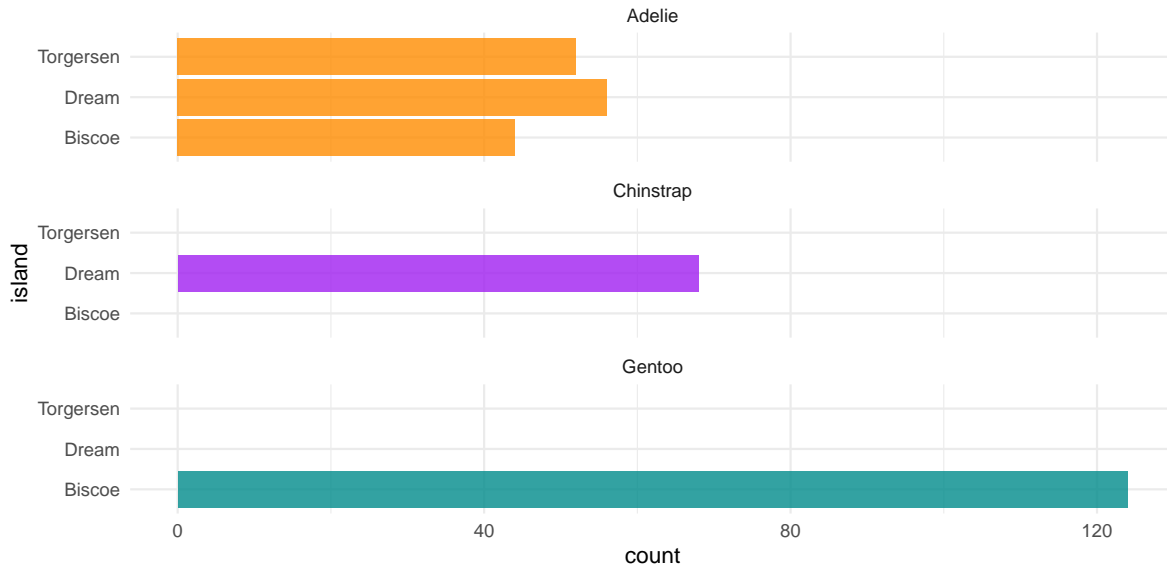


Figure 1: More bills of penguins

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 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>.