Hello, Penguins!

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Introduction

Data

For this analysis we'll use the `penguins` dataset from the **palmerpenguins** package.(Gorman, Williams, and Fraser 2014)

```
library(tidyverse)
library(ggthemes)
library(palmerpenguins)
library(gt)
```

Species

Figure 1 is a bar plot of species of penguins.

```
ggplot(
  penguins,
  aes(
    x = bill_length_mm, y = bill_depth_mm,
    color = species, shape = species
  )
) +
  geom_point() +
  theme_minimal() +
  scale_color_colorblind() +
  labs(x = "Bill length (mm)", y = "Bill depth (mm)")
```

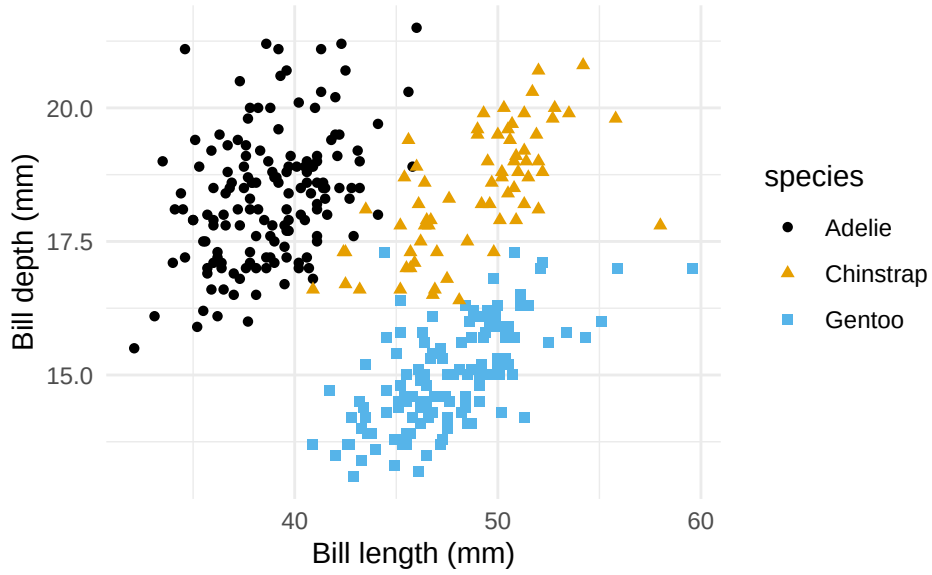

Figure 1: A scatterplot of three species of penguins showing the relationship between bill depth and bill length.

Penguins

Table 1 shows the first 10 penguins from the dataset.

```
penguins |>
  slice_head(n = 10) |>
  select(species, island, bill_length_mm, bill_depth_mm) |>
  gt()
```

Analysis

Model 1 results

- Some information about the model
- Some text about results
- Some comments about shortcomings

Table 1: Top 10 rows of the penguins dataset.

species	island	bill_length_mm	bill_depth_mm
Adelie	Torgersen	39.1	18.7
Adelie	Torgersen	39.5	17.4
Adelie	Torgersen	40.3	18.0
Adelie	Torgersen	NA	NA
Adelie	Torgersen	36.7	19.3
Adelie	Torgersen	39.3	20.6
Adelie	Torgersen	38.9	17.8
Adelie	Torgersen	39.2	19.6
Adelie	Torgersen	34.1	18.1
Adelie	Torgersen	42.0	20.2

Model 2 results

blah blah blah

References

Gorman, Kristen B., Tony D. Williams, and William R. Fraser. 2014. "Ecological Sexual Dimorphism and Environmental Variability Within a Community of Antarctic Penguins (Genus Pygoscelis)." Edited by André Chiaradia. *PLoS ONE* 9 (3): e90081. https://doi.org/10.1371/journal.pone.0090081.