

# Hello, Penguins!

Sebastian Camilo Loos

## Data

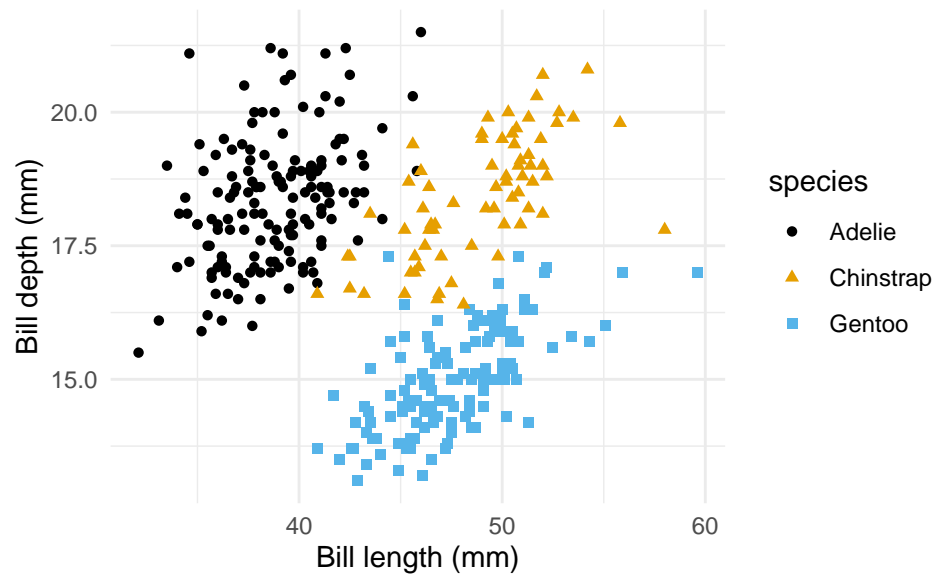
For this analysis we'll use the penguins dataset from the palmerpenguins R package.

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

## Species

The figure below is a scatterplot of species of penguins.

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



## Flipper Histogram

```
flipper_hist <- ggplot(data = penguins, aes(x = flipper_length_mm)) +
  geom_histogram(aes(fill = species),
    alpha = 0.5,
    position = "identity") +
  scale_fill_manual(values = c("darkorange", "purple", "cyan4")) +
  labs(x = "Flipper length (mm)",
    y = "Frequency",
    title = "Penguin flipper lengths")
```

## Penguins

The table below shows the first 10 penguins from the 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

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