

Hello, Quarto!

Hendra Bunyamin

Table of contents

1	Introduction	1
1.1	Data	1
1.2	Species	2
1.3	Penguins	2
2	Analysis	3
2.1	Modeling results	3
	References	3

1 Introduction

1.1 Data

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

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

```
glimpse(penguins)
```

```
Rows: 344
Columns: 8
$ species      <fct> Adelie, Adelie, Adelie, Adelie, Adelie, Adelie, Adel~
$ island       <fct> Torgersen, Torgersen, Torgersen, Torgersen, Torgerse~
$ bill_length_mm <dbl> 39.1, 39.5, 40.3, NA, 36.7, 39.3, 38.9, 39.2, 34.1, ~
```

```

$ bill_depth_mm      <dbl> 18.7, 17.4, 18.0, NA, 19.3, 20.6, 17.8, 19.6, 18.1, ~
$ flipper_length_mm <int> 181, 186, 195, NA, 193, 190, 181, 195, 193, 190, 186~
$ body_mass_g        <int> 3750, 3800, 3250, NA, 3450, 3650, 3625, 4675, 3475, ~
$ sex                <fct> male, female, female, NA, female, male, female, male~
$ year               <int> 2007, 2007, 2007, 2007, 2007, 2007, 2007, 2007, 2007~

```

1.2 Species

Figure 1 is Create a bar plot of species of penguins.

```

ggplot( penguins, aes(x = species)) +
  geom_bar()

```

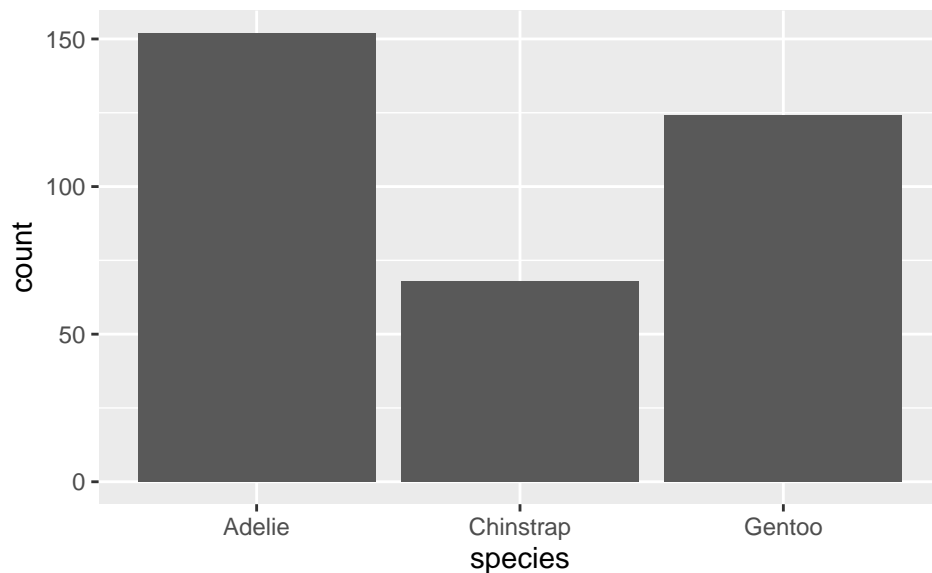


Figure 1: Bar plot of species of penguins.

1.3 Penguins

Table 1 shows the first 10 penguins from the dataset.

```

```{r}
#| label: tbl-penguins
#| tbl-cap: First 10 penguins from the dataset.
#| code-fold: true

```

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

```

Table 1: 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 |

2 Analysis

2.1 Modeling results

A little bit of analysis ...

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>.