Penguins Dataset

Gen

2024-02-26

```
# let's start by nstalling and loading the required packages
if (!requireNamespace("ggplot2", quietly = TRUE)) {
   install.packages("ggplot2")
}
if (!requireNamespace("palmerpenguins", quietly = TRUE)) {
   install.packages("palmerpenguins")
}
library(ggplot2)
library(palmerpenguins)
```

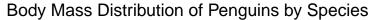
Now, I will load the penguins dataset

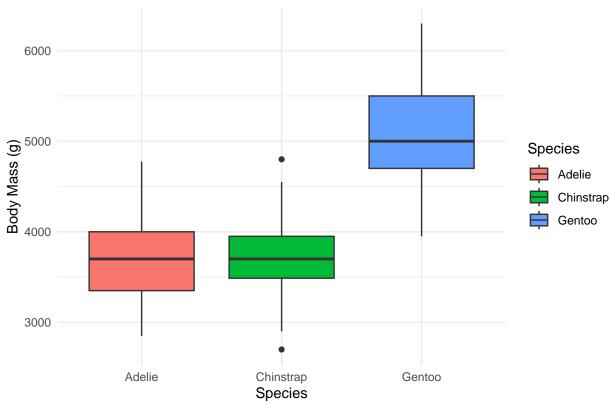
```
data("penguins")
```

Nex, I want to create a GGplot - Boxplot of body mass distribution of penguins by species

```
ggplot(penguins, aes(x = species, y = body_mass_g, fill = species)) +
  geom_boxplot() +
  labs(title = "Body Mass Distribution of Penguins by Species",
        x = "Species",
        y = "Body Mass (g)",
        fill = "Species") +
  theme_minimal()
```

Warning: Removed 2 rows containing non-finite values (`stat_boxplot()`).

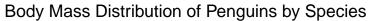


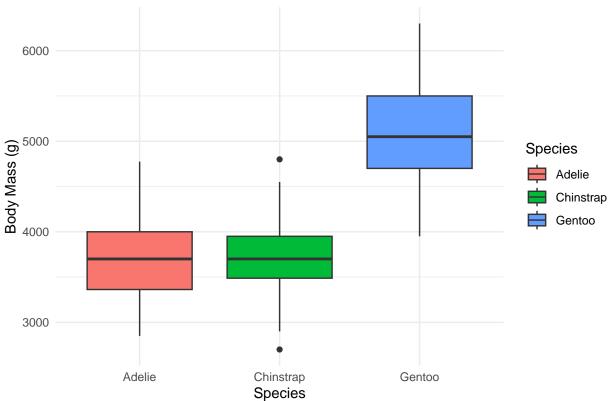


Oops, we got a warning! I will remove the rows with missing values and see what happens.

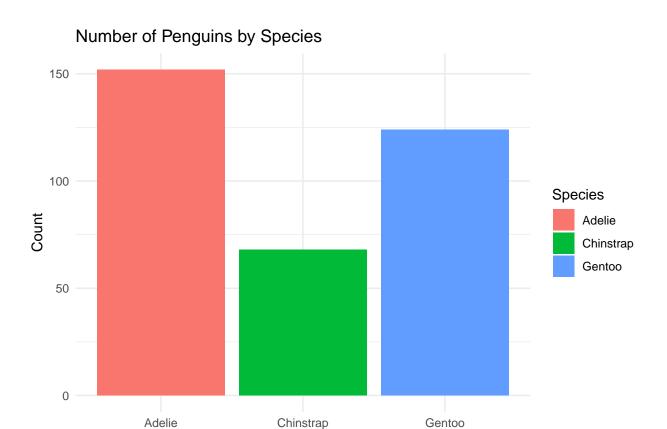
```
penguins_clean <- na.omit(penguins)</pre>
```

Now, I will re-create a GGplot - Boxplot of body mass distribution of penguins by species





Much better!!! :) Now. I will create a bar chart of Number of penguins by species. I would like to know how many species we have in this dataset.



Sweet!! Now, I would like to see a bar chart of body mass by species & sex.

Species

Body Mass by Species and Sex

