Penguins

Penguins Dataset

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

```
glimpse(penguins)
```

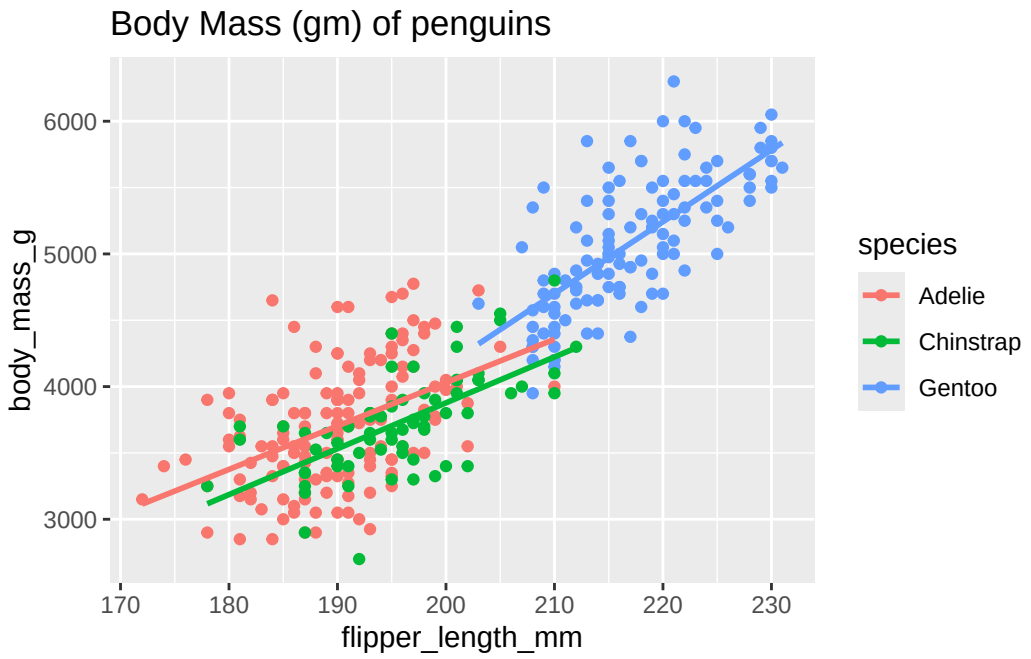
```
Rows: 344
Columns: 8
$ species           <fct> Adelie, Adelie, Adelie, Adelie, Adelie, Adelie, Adel~
$ island            <fct> Torgersen, Torgersen, Torgersen, Torgersen, Torgerse~
$ bill_length_mm    <dbl> 39.1, 39.5, 40.3, NA, 36.7, 39.3, 38.9, 39.2, 34.1, ~
$ bill_depth_mm     <dbl> 18.7, 17.4, 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~
```

Drop Missing or 'na.omit()'

```
penguins <- na.omit(penguins)
```

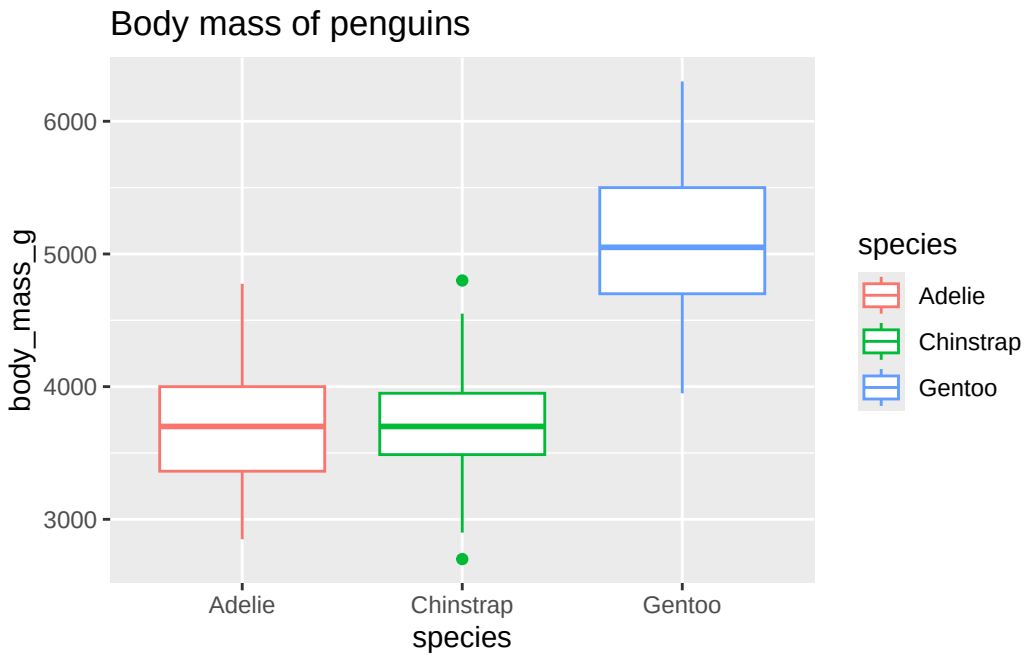
Scatterplot

```
ggplot(penguins, aes(x=flipper_length_mm, y=body_mass_g, color=species))+
  geom_point()+
  geom_smooth(method="lm",se=FALSE)+
  ggtitle("Body Mass (gm) of penguins")
```



Box Plots

```
ggplot(penguins, aes(x=species, y=body_mass_g,color=species))+
  geom_boxplot()+
  ggtitle("Body mass of penguins")
```



Density Plots

```
library(ggridges)
ggplot(penguins, aes(x=body_mass_g, y=species,fill=species))+
  geom_density_ridges()+
  theme_bw()
```