Penguins Data Visualization using ggplot2

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Setting up my environment

Notes: Setting up my R environment by loading the `tidyverse` and `palmerpenguins` packages

```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.4.1      v purrr   1.0.1
## v tibble  3.1.8      v dplyr   1.1.0
## v tidyr   1.3.0      v stringr 1.5.0
## v readr   2.1.3      v forcats 1.0.0
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(palmerpenguins)
```

Visualization

Here we will go through some series of visualization

Visualization of palmerpenguins dataset

Here we will plot a visualization of flipper_length against the body mass of penguins

```
ggplot(data=penguins,aes(x=flipper_length_mm,y=body_mass_g))+
  geom_point(color="purple")
```

```
## Warning: Removed 2 rows containing missing values (`geom_point()`).
```
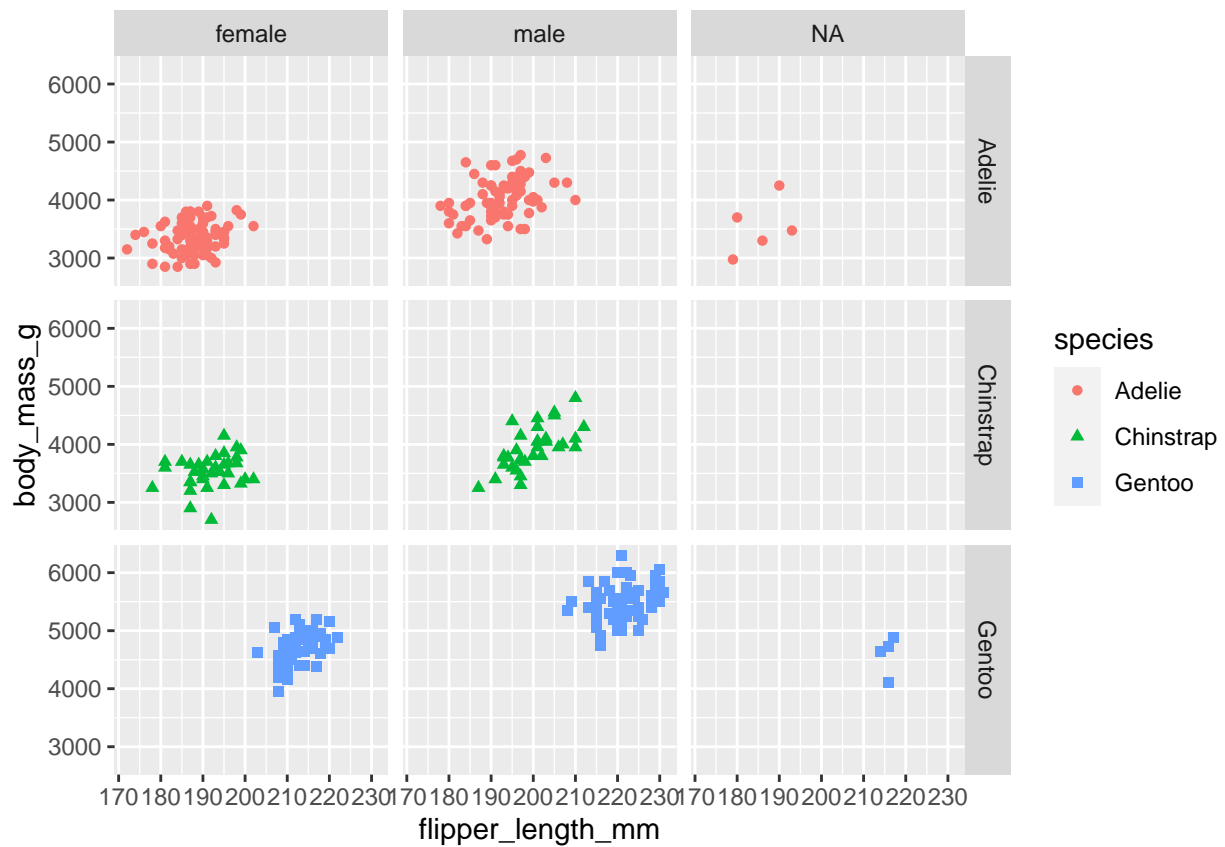
It is obseverd that there is a positive relationship between the flipper length and the body mass of penguins

Flipper length and Body mass by species and sex

here, we plot the flipper length against the body mass byspecies and sex

```
ggplot(data=penguins, aes(x=flipper_length_mm,y=body_mass_g))+
  geom_point(aes(color=species,shape=species))+
  facet_grid(species~sex)
```

```
## Warning: Removed 2 rows containing missing values (`geom_point()`).
```

From the data visulization above, male penguins have higher body mass and longer flipper length than the female penguins. The Gentoo penguin species have higher body mass than other species.