

ggplot_hook

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2024-09-10

Setting up my environment

Notes: setting up my R environment by loading the 'tidyverse' and 'palmerpenguins' packages

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.1      v tibble    3.2.1
## v lubridate  1.9.3      v tidyr     1.3.1
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(palmerpenguins)
```

Visualizations

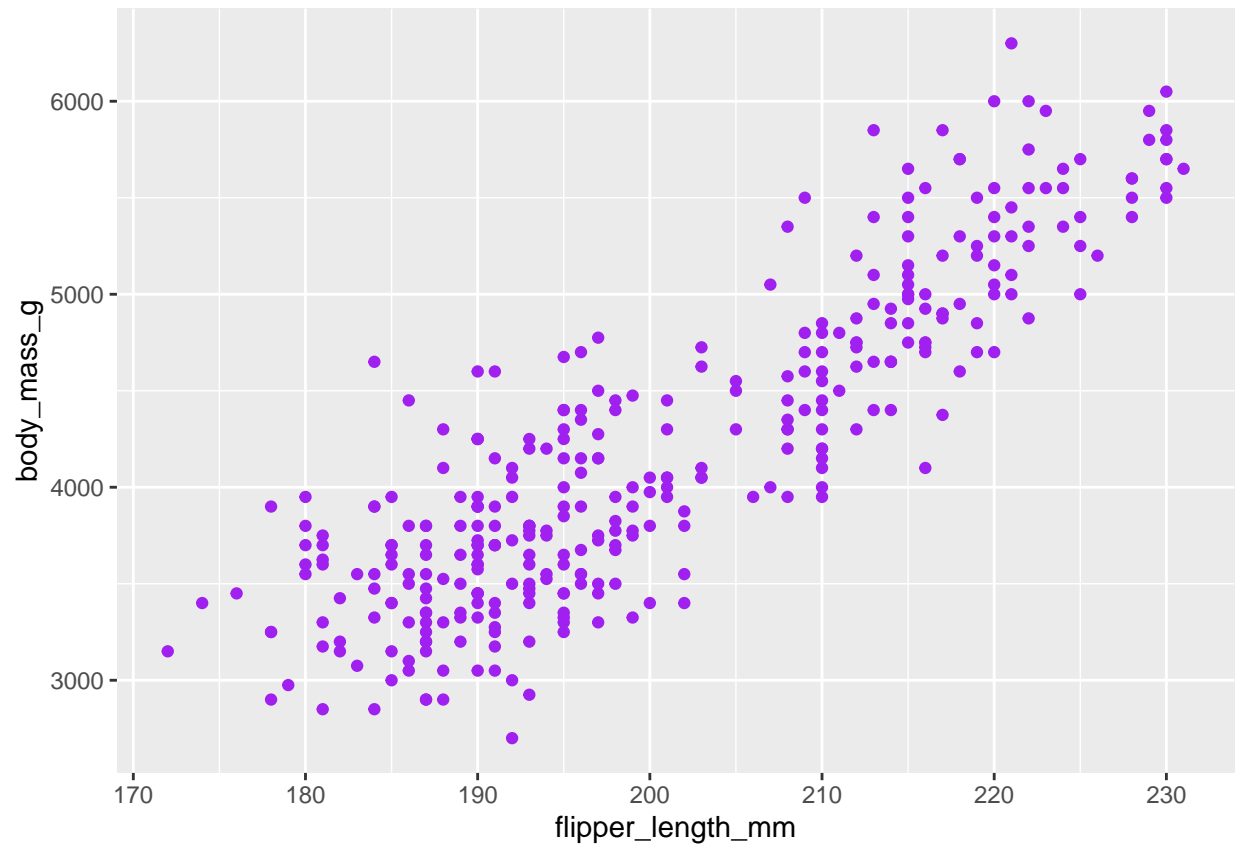
Here we will go through a series of visualizations

Flipper and Body mass in purple

Here, we plot flipper length against body mass

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

```
## Warning: Removed 2 rows containing missing values or values outside the scale range
## ('geom_point()').
```

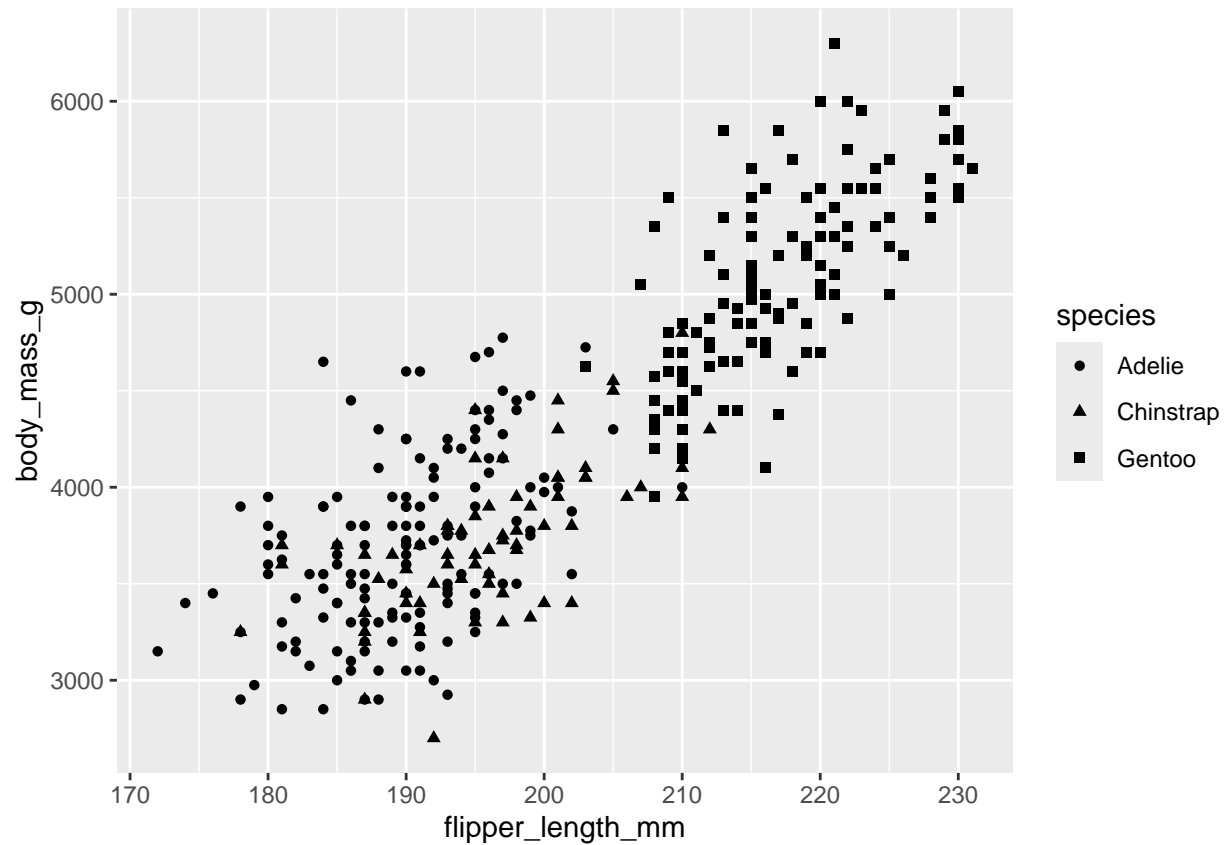


Flipper and Body mass by species

Here, we plot flipper length against body mass and look at the breakdown by species

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

```
## Warning: Removed 2 rows containing missing values or values outside the scale range  
## ('geom_point()').
```

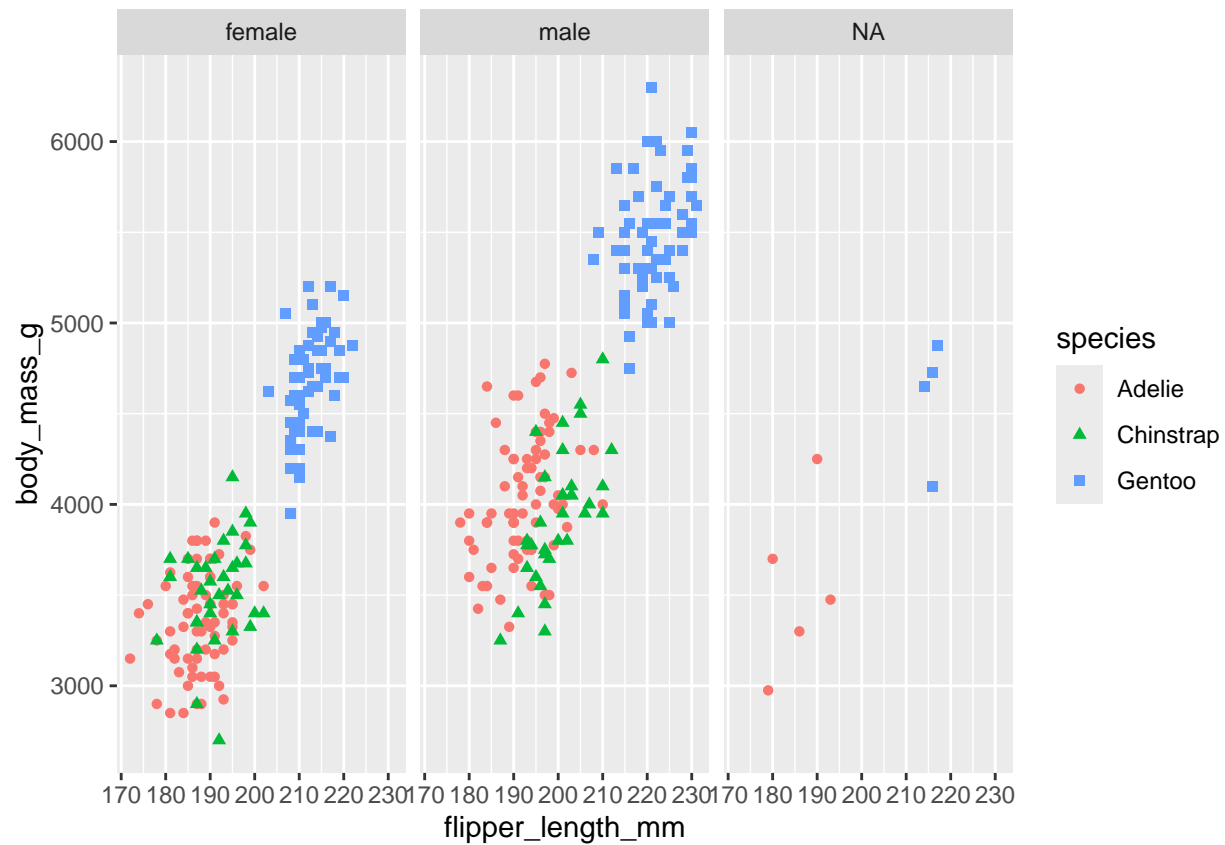


Flipper and Body mass by species and sex

Here, we plot flipper length against body mass and look at the breakdown by species and sex

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

```
## Warning: Removed 2 rows containing missing values or values outside the scale range
## ('geom_point()').
```



```
penguins %>%
  drop_na(sex) %>%
  ggplot(aes(x=flipper_length_mm,y=body_mass_g))+
  geom_point(aes(color=species,
                  shape=species)) +
  facet_wrap(~sex)
```

