# ggplot_hook

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## setting up my environment

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

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.2     v readr     2.1.4
## v forcats   1.0.0     v stringr   1.5.0
## v ggplot2   3.4.2     v tibble    3.2.1
## v lubridate 1.9.2     v tidyr     1.3.0
## v purrr     1.0.1
## -- 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")
```

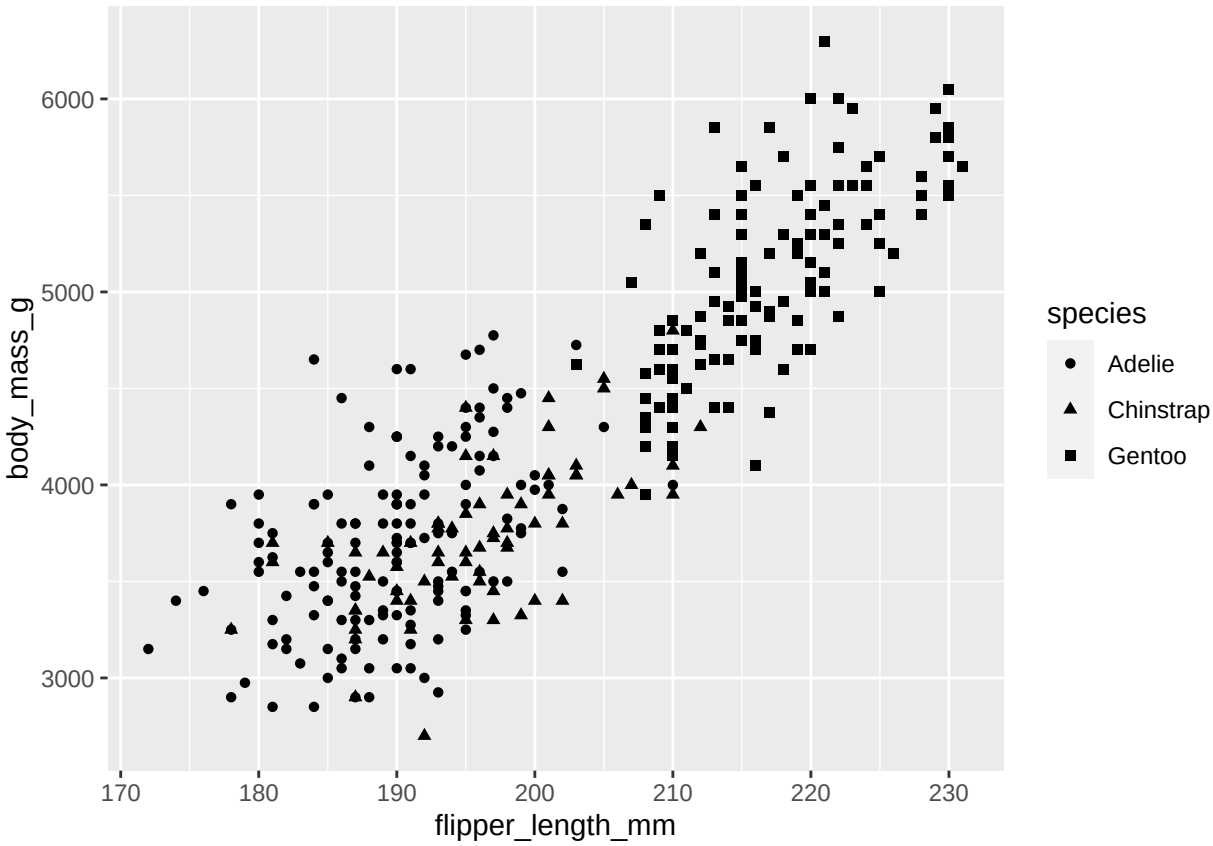
```
## Warning: Removed 2 rows containing missing values (`geom_point()`).
```


### Flipper and body mas 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 (`geom_point()`).
```

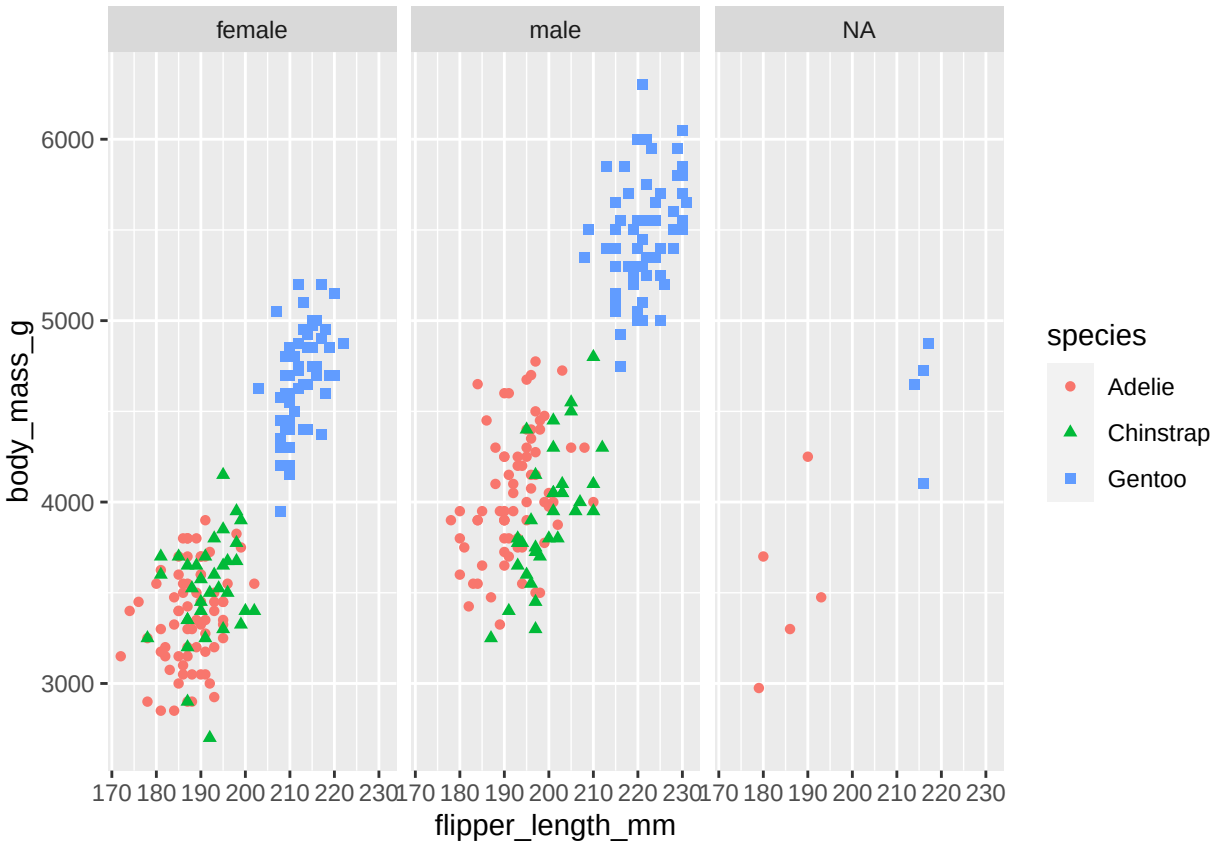



### Flipper and body mass by species and sex

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 (`geom_point()`).
```


female
male
NA
6000
5000
4000
3000
body_mass_g
170 180 190 200 210 220 230
flipper_length_mm
species
Adelie
Chinstrap
Gentoo