

ggplot_hook

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Setting up the environment

Notes: setting up my R environment by loading the 'tidyverse' and 'palmerpenguins' packages #i can load the code by pressing control + alt + i

Assignin the data that we need

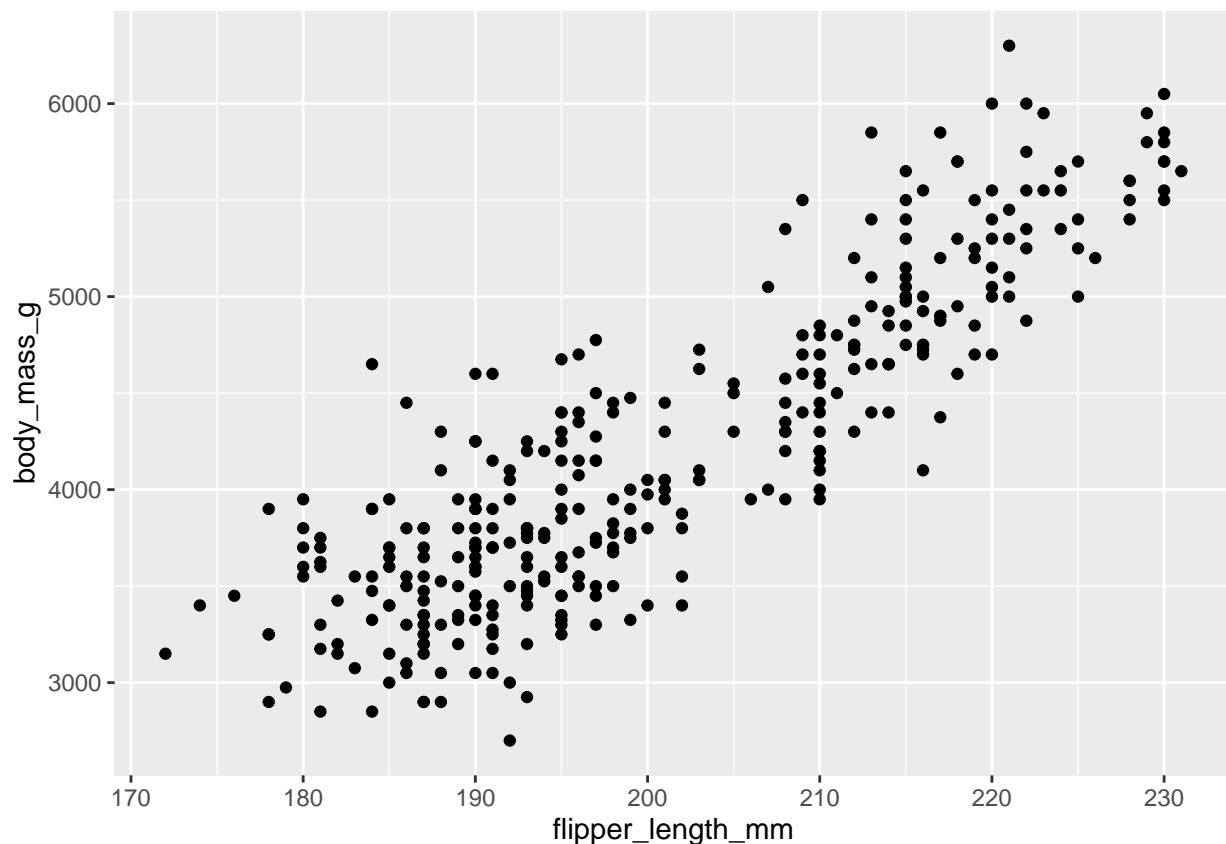
Notes: Using the 'penguins' data

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

create the data visualization by using ggplot2

Here just using ggplot2

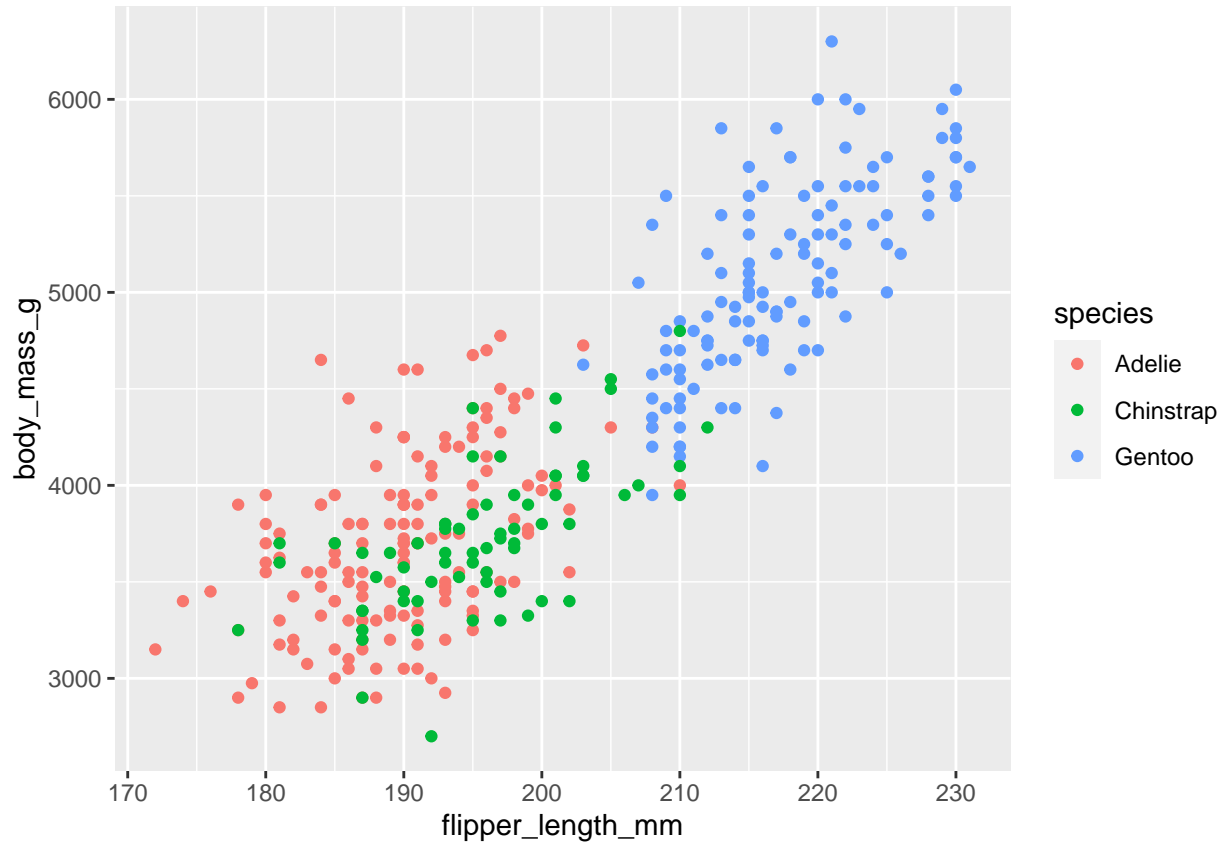
```
ggplot(data = penguins) + geom_point(mapping = aes(x = flipper_length_mm, y = body_mass_g))
```



Adding colors to the scatter plot

Improving the scatter plot by adding color the species

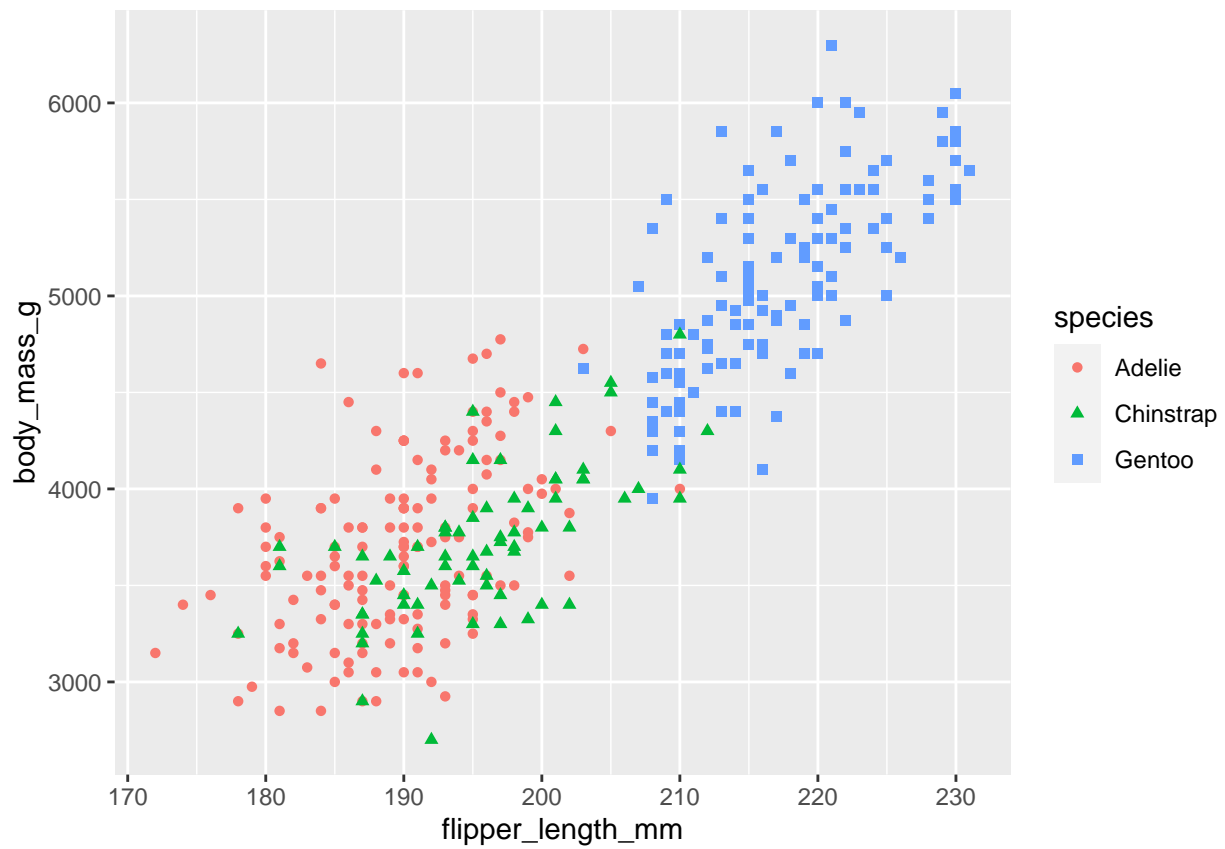
```
ggplot(data = penguins) + geom_point(mapping = aes(x = flipper_length_mm, y = body_mass_g, color=species))
```



Improving by adding shape and color

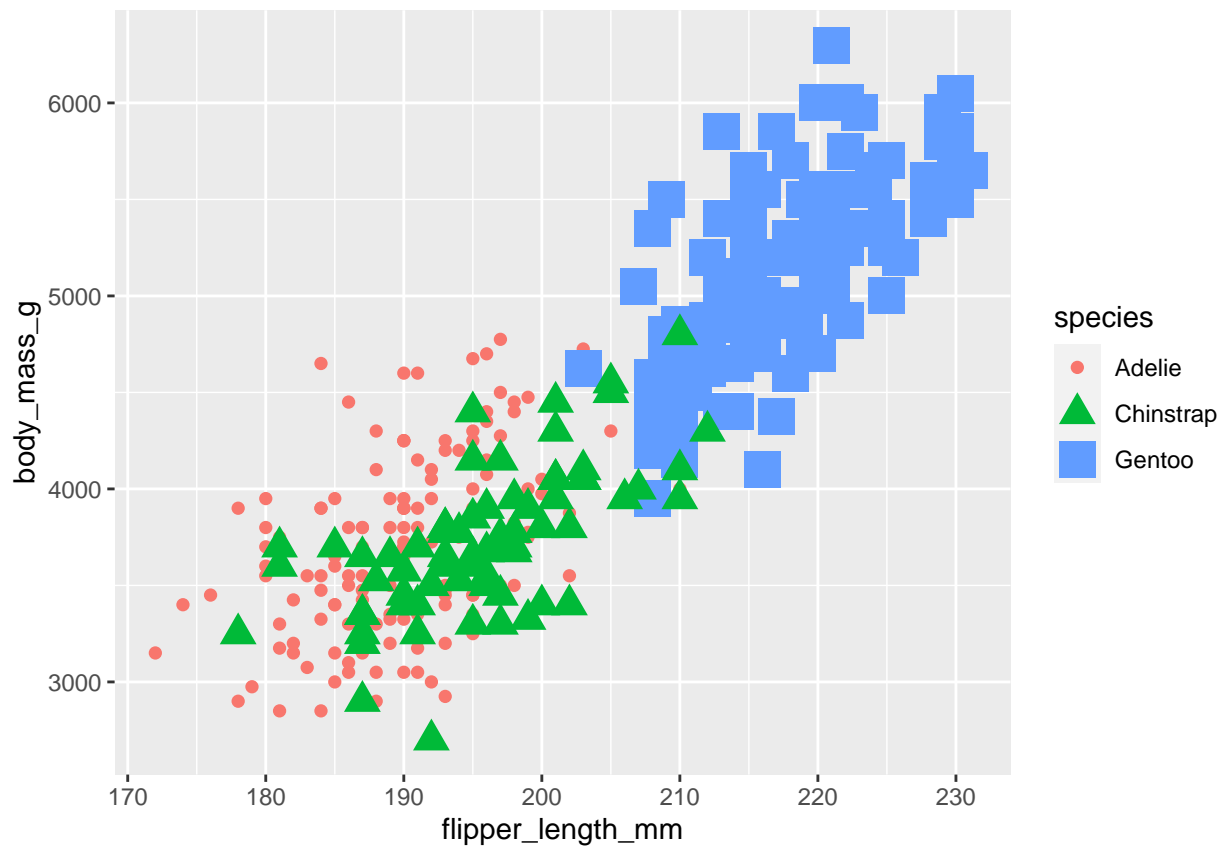
Adds shape and color to the scatter plot

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



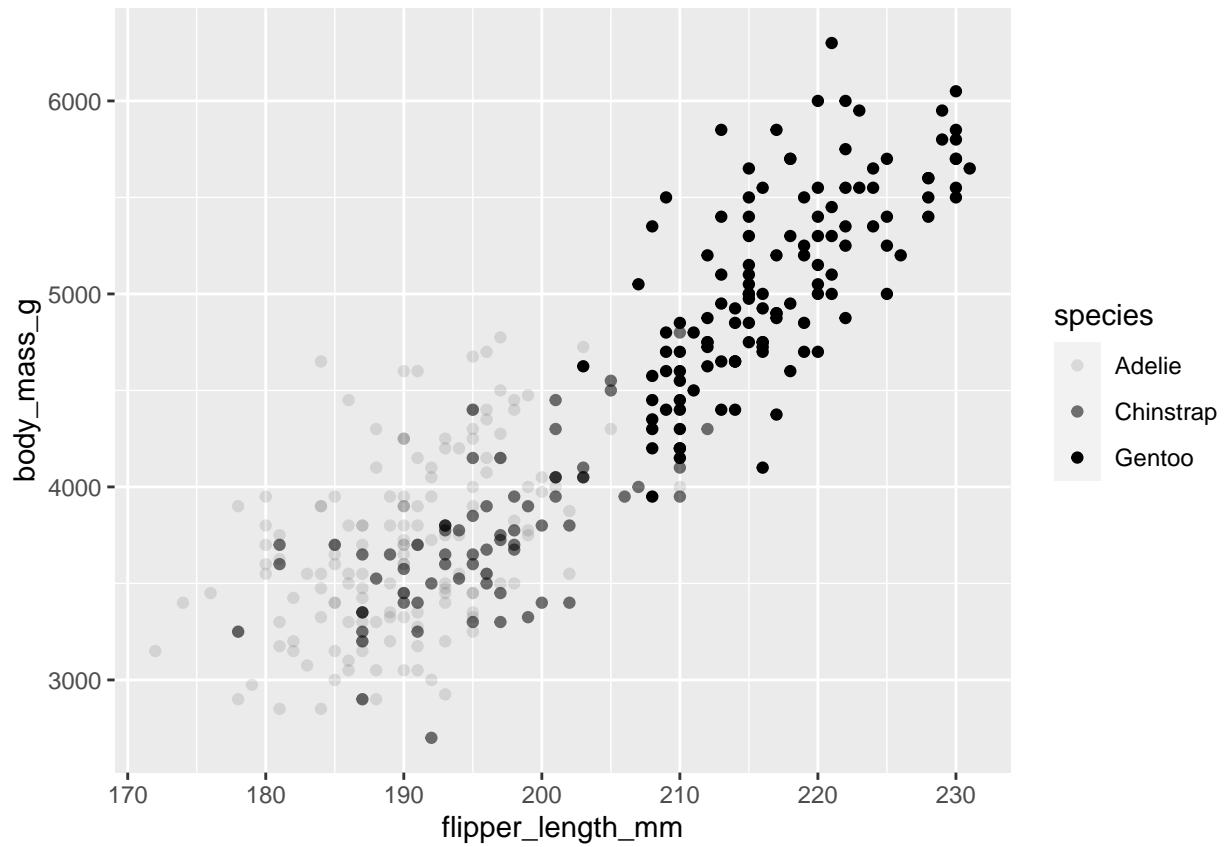
Adding size

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



using alpha for transparency

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



assigning a particular color

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

