Palmer Penguins

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Required Libraries

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

Do penguins with longer flippers weigh more or less than penguins with shorter flippers?

Overview

```
df <- palmerpenguins::penguins
knitr::kable(head(df))</pre>
```

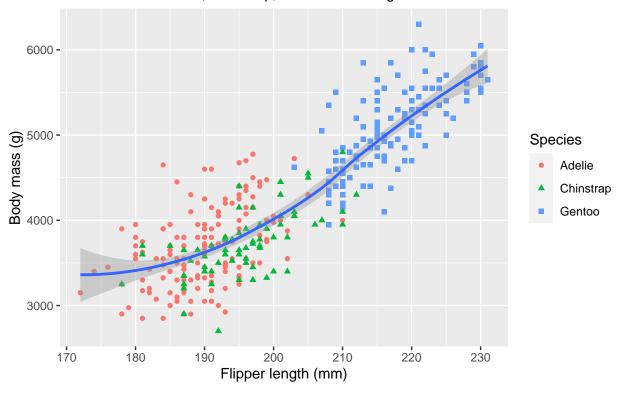
species	island	bill_length_mm bill_	_depthmm flipper_	_length_mm body_	_mass_	_gsex	year
Adelie	Torgersen	39.1	18.7	181	3750	male	2007
Adelie	Torgersen	39.5	17.4	186	3800	female	2007
Adelie	Torgersen	40.3	18.0	195	3250	female	2007
Adelie	Torgersen	NA	NA	NA	NA	NA	2007
Adelie	Torgersen	36.7	19.3	193	3450	female	2007
Adelie	Torgersen	39.3	20.6	190	3650	male	2007

Scatterplot of Body Mass vs. Flipper Length by Species

```
## 'geom_smooth()' using method = 'loess' and formula = 'y ~ x'
```

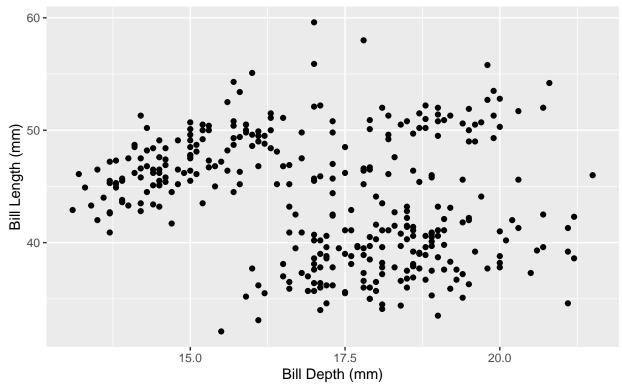
Body Mass vs. Flipper Length

Dimensions for Adelie, Chinstrap, and Gentoo Penguins



Scatterplot of Bill Depth vs. Bill Length

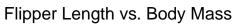
Bill Depth vs. Bill Length

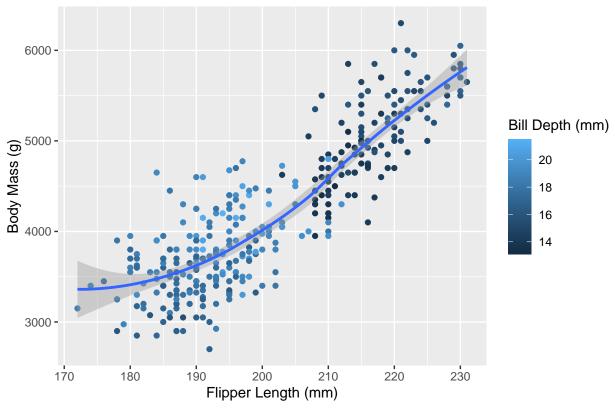


Data come from the palmerpenguins package.

Scatterplot of Flipper Length vs. Body Mass by Bill Depth

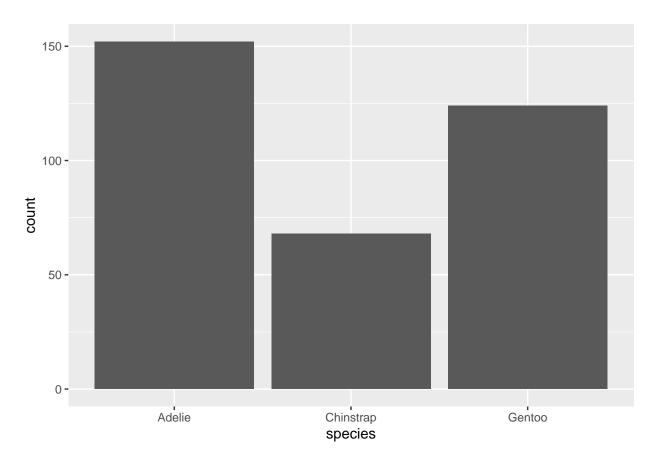
'geom_smooth()' using method = 'loess' and formula = 'y ~ x'





Count Plot of Penguin Species within Dataset

```
ggplot(penguins, aes(x = species)) +
  geom_bar()
```



ggplot(penguins, aes(x = species)) +
 geom_bar()

