Assignment-5

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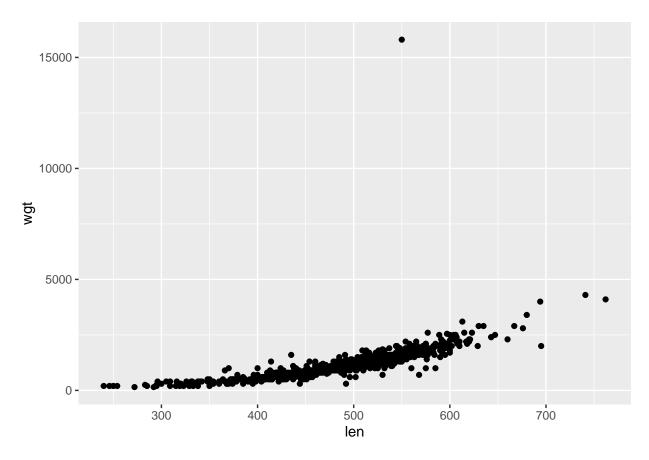
Load information

```
# load library
library(FSAdata)
library(tidyverse)
library(here)

# load in data
rawdata <- read_csv(here("data", "siscowet.csv"))</pre>
```

Clean data

Warning: Removed 1 rows containing missing values ('geom_point()').



```
dev.off()

## null device
## 1

# identify outlier and remove
which(rawdata$wgt >= 15000)

## [1] 541
```

```
cleandata <- rawdata %>%
  filter(!row_number() %in% 541)

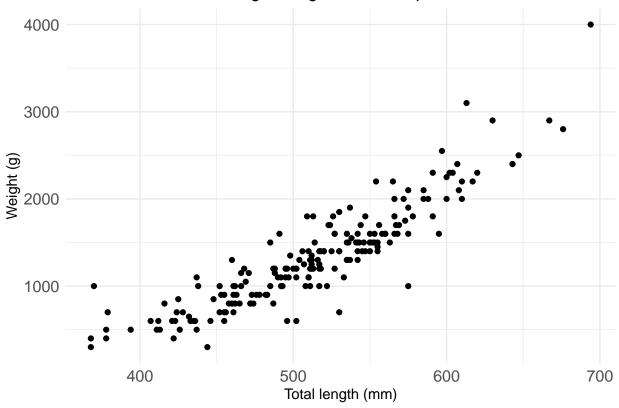
# identify NAs and remove
cleandata <- cleandata %>%
  drop_na()
```

Exploratory graph

```
# new plot attempt
explor <- cleandata %>%
ggplot(aes(x = len,
```

```
y = wgt)) +
geom_point() +
theme_minimal() +
xlab("Total length (mm)") +
ylab("Weight (g)") +
theme(axis.text = element_text(size = 12)) +
labs(title = "Siscowet Lake Trout weight-length relationship")
explor
```

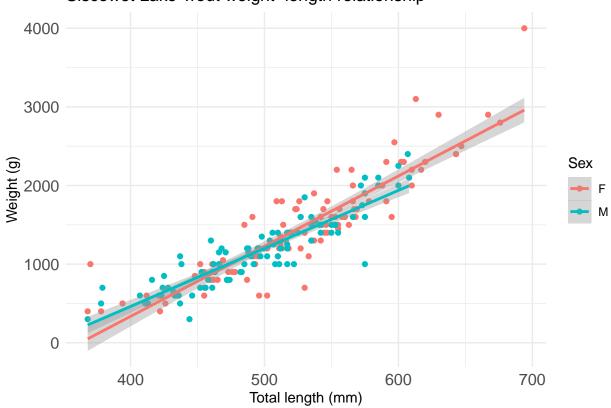
Siscowet Lake Trout weight-length relationship



Expository graph

```
geom_smooth(method = "lm", formula = y~x)
exposi
```





```
pdf("figures/explor.pdf")
explor
dev.off()

## pdf
## 2

pdf("figures/exposi.pdf")
exposi
dev.off()

## pdf
```

##

2