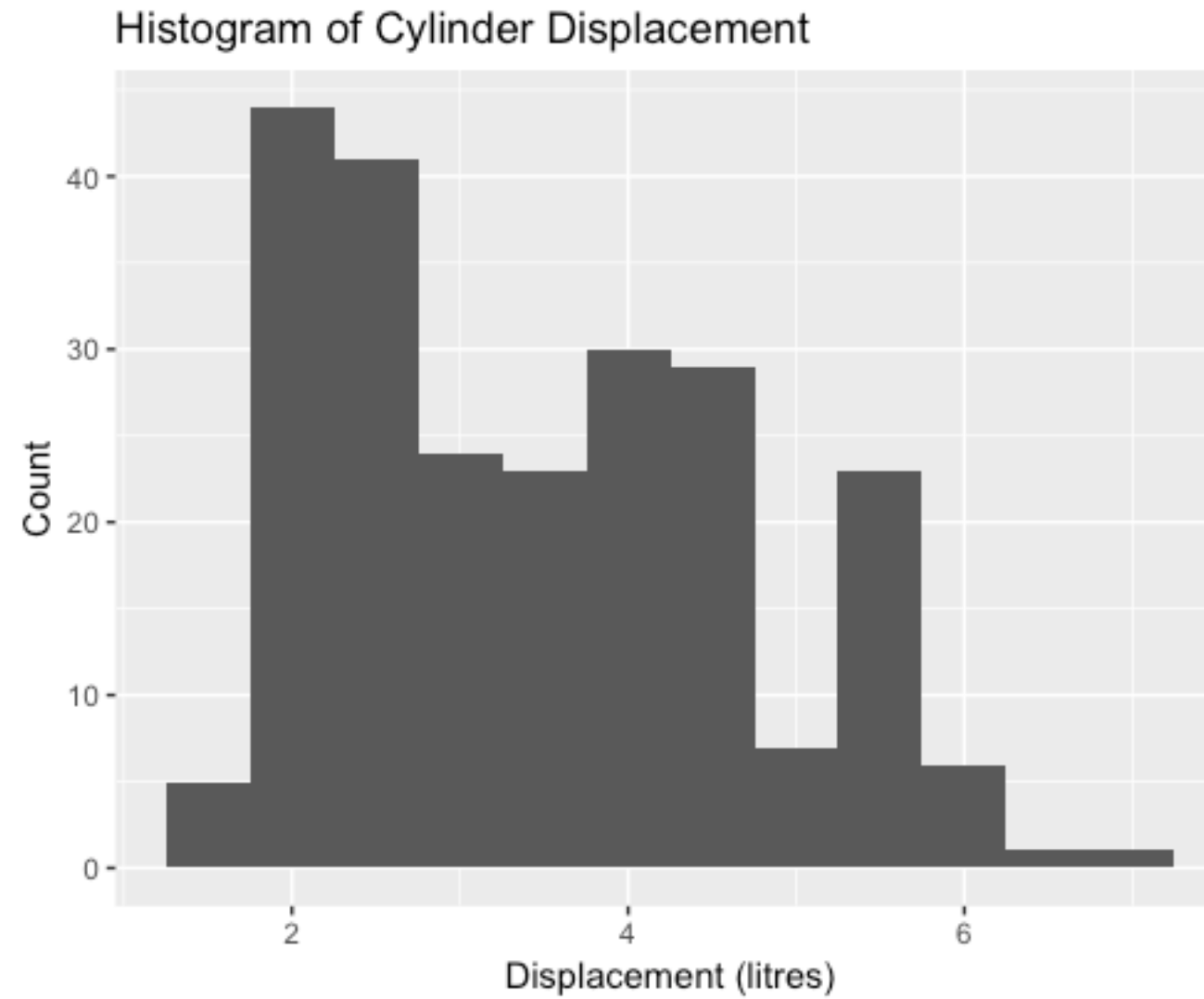


Highway Fuel Consumption by Cylinder Displacement
for Each Vehicle Class with Non-Linear Regression Line



```
#now with a non-linear function to each
ggplot(mpg, aes(displ, hwy, colour = class)) +
  geom_point() + facet_wrap(~class) +
  guides(colour = FALSE) + geom_smooth(method = "loess") +
  xlab("Displacement (litres)") + ylab("Highway Fuel Consumption (mpg)") +
  ggtitle ("Highway Fuel Consumption by Cylinder Displacement \nfor Each Vehicle Class with
Non-Linear Regression Line")
```



```
#plot basic histogram
ggplot(mpg, aes(displ)) +
  geom_histogram(binwidth = .5) +
  guides(colour = FALSE) +
  xlab("Displacement (litres)") + ylab("Count") +
  ggtitle ("Histogram of Cylinder Displacement")
```