

# The Anatomy of a Plot

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To reason about visualizations we need to know a little bit about the anatomy of a plot.

```
library(tidyverse)

mtcars %>%
  mutate(cyl = as.factor(cyl)) %>%
  ggplot(aes(hp, mpg, color = cyl)) +
  geom_point() +
  labs(x = "Horsepower",
       y = "Fuel Consumption (miles per US gallon)",
       color = "Cylinders")
```

Canvas

Geoms

Grid

Legends

Axes

Title and Axis Titles

Caption

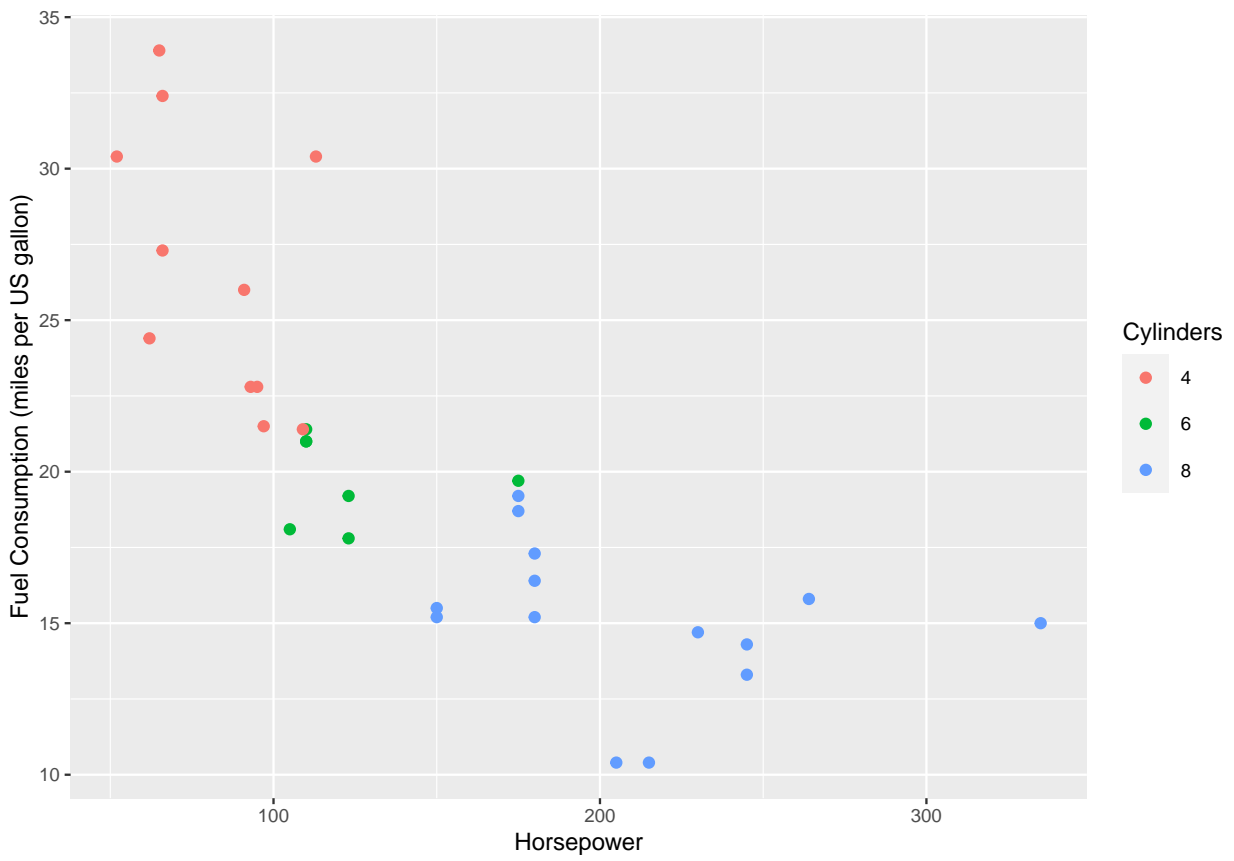


Figure 1: Horsepower and fuel consumption in miles per gallon for a set of motor cars in the 1974 Motor Trend US magazine.