

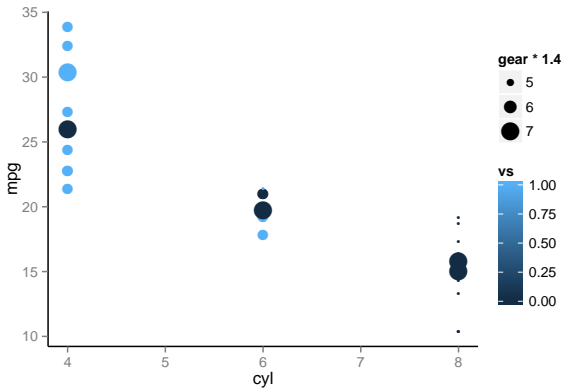
# Introduction to ggplot2

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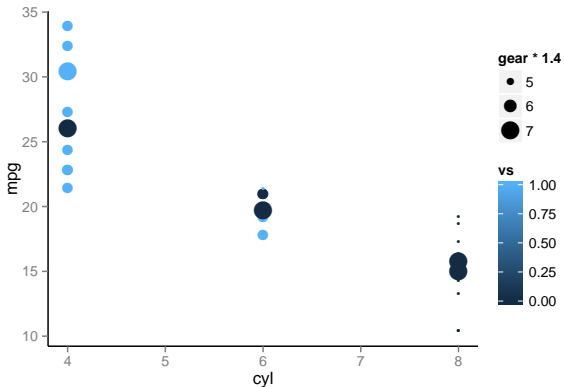
This is a demo of **ggplot2**:

```
ggplot(mtcars, aes(cyl, mpg, color = vs)) +  
  geom_point(aes(size = gear*1.4))  
x <- 1:100
```



Now we can vary the gear size.

```
ggplot(mtcars, aes(cyl, mpg, color = vs)) +  
  geom_point(aes(size = gear * 1.4))
```



The first element of `x` is 1. Boring boxplots and histograms recorded by the PDF device:

```
x <- rnorm(100)
y <- 1
```

The first element of `x` is -0.6809. Boring boxplots and histograms recorded by the PDF device:

```
ggplot(data, aes(x, y)) + geom_point(size = 4)
```

```
ggplot(data, aes(x, y)) + geom_point(size = 4)
```

```
ggplot(data, aes(x, y)) + geom_point(size = 4)
```

The first element of  $x$  is -0.6809. Boring boxplots and histograms recorded by the PDF device:

