

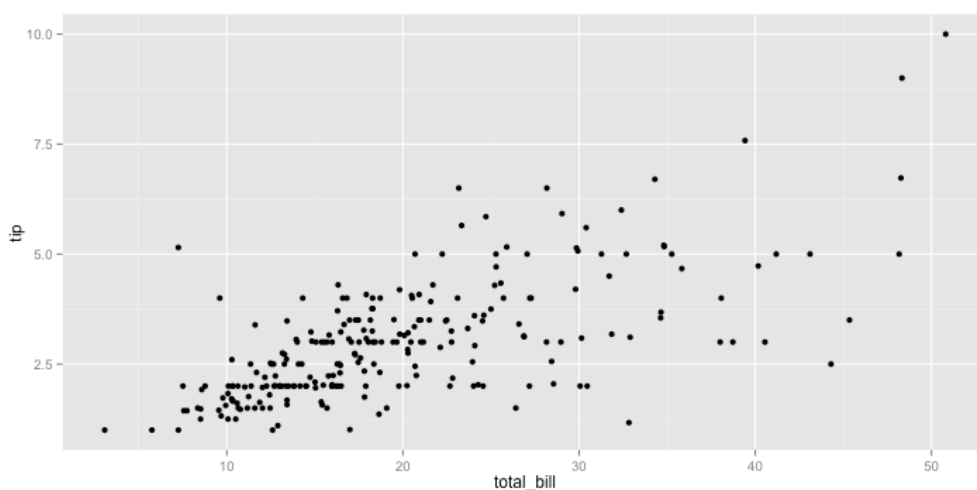


Grammar of Graphics

In this lesson, you will learn about the grammar of graphics, and how its implementation in the `ggplot2` package provides you with the flexibility to create a wide variety of sophisticated visualizations with little code.

We have used `ggplot2` before when we were analyzing the `bnames` data. Just to recap, let me create a simple scatterplot plot of `tip` vs `total_bill` from the dataset `tips` found in the `reshape2` package

```
data(tips, package = 'reshape2')
library(ggplot2)
qplot(total_bill, tip, data = tips, geom = "point")
```



The `qplot` function pretty much works like a drop-in-replacement for the `plot` function in base R. But using it just as a replacement is gross injustice to `ggplot2` which is capable of doing so much more.

So if there is one advice I could give you about learning `ggplot2`, it would be to stop reading examples using `qplot` because it gives you the false impression that you have mastered the grammar, when in fact you have not. `qplot` provides some nice syntactic sugar, but is not the real deal.