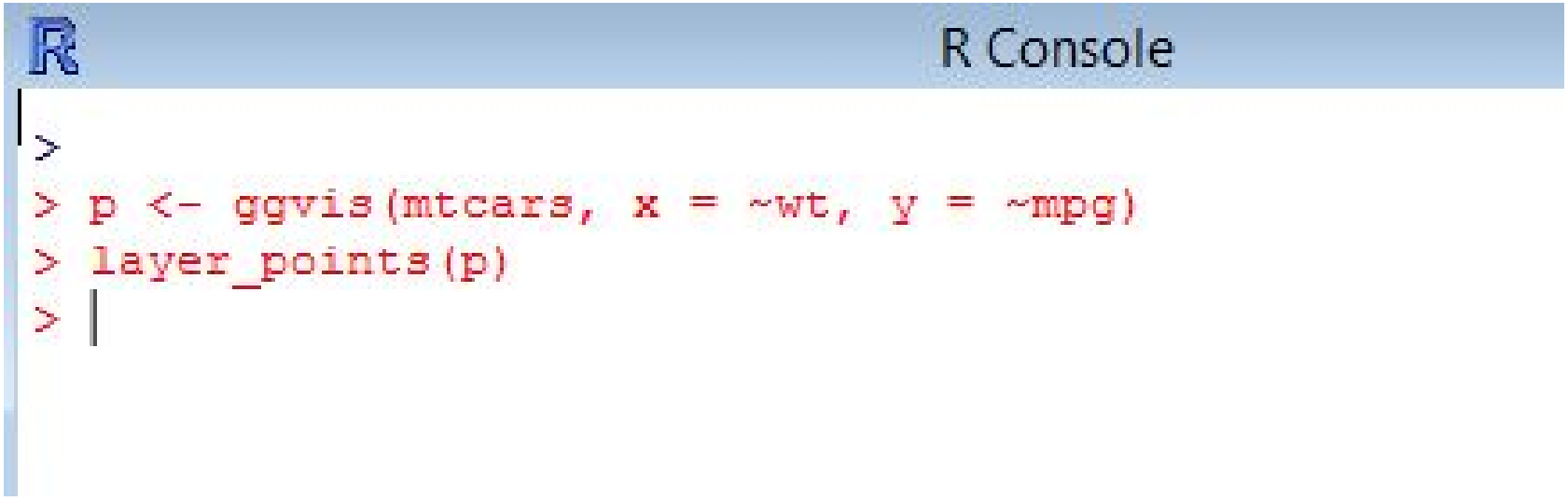
Creating a Basic Plot

- To create a plot object we use the function `ggvis()`
- When we refer to variables in the data we use the '$\sim$' symbol before the name, i.e. $\sim$ `Ozone`
- We need to use a layer function, such as `layer_points`, to plot the object.

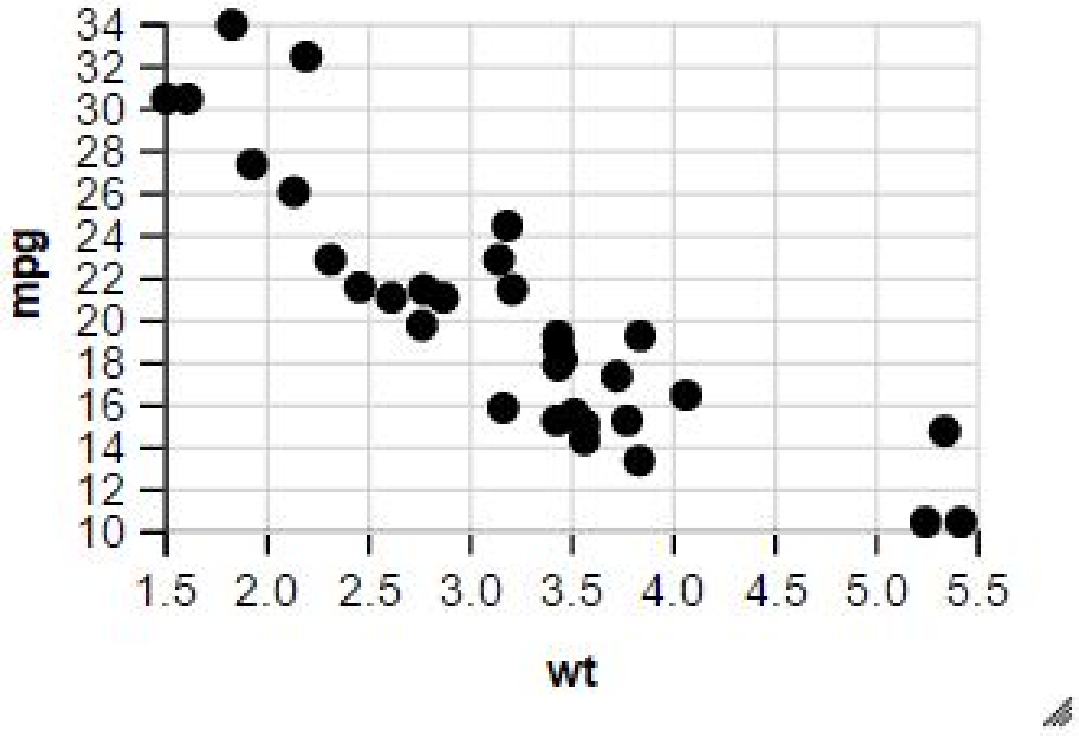



```
p <- ggvis(mtcars, x = ~wt, y = ~mpg)
layer_points(p)
```

(deprecated code?- Watch out for this)

A basic scatter plot:

```
# qvis(mtcars, ~wt, ~mpg)
ggvis(mtcars, props(x = ~wt, y = ~mpg)) + mark_point()
```



Web Graphics

- You will notice that this plot opens in your **web browser** (unless youre using RStudio).
- Thats because all **ggvis** graphics are web graphics, and need to be shown in the web browser.

- RStudio includes a built-in browser so it can show you the plots directly.

Code Legibility

Quoting Hadley Wickham

- All ggvis functions take the visualisation as the first argument and return a modified visualisation.
- This seems a little bit awkward.
- Either you have to create temporary variables and modify them, or you have to use a lot of parentheses:

```
layer_points(ggvis(mtcars, x = ~wt, y = ~mpg))
```