

# ggvis at a glance

Rich Interactive Graphics

**ggvis**

JWC

21/02/2017

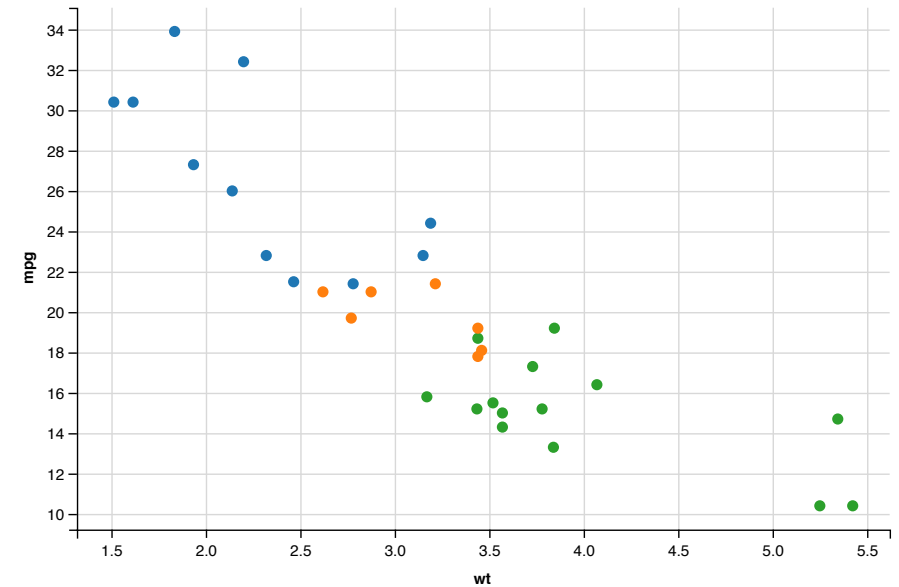
# let's get started

```
library(ggvis)
head(mtcars)
```

##		mpg	cyl	disp	hp	drat	wt	qsec	vs
##	Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0
##	Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0
##	Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1
##	Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1
##	Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0
##	Valiant	18.1	6	225	105	2.76	3.460	20.22	1

# recipe #1: scatter plot

```
mtcars %>%
  ggvis(~wt, ~mpg) %>%
  layer_points(fill = ~factor(cyl))
```



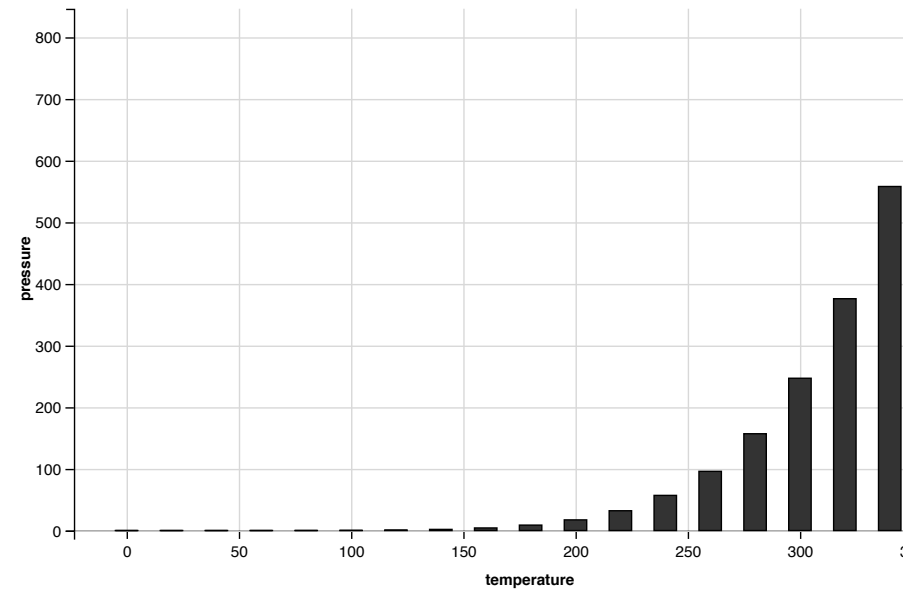
## recipe #2: bar graphs

```
head(pressure)
```

```
##   temperature pressure
## 1           0  0.0002
## 2          20  0.0012
## 3          40  0.0060
## 4          60  0.0300
## 5          80  0.0900
## 6         100  0.2700
```

## recipe #2: bar graphs

```
pressure %>%
  ggvis(~temperature, ~pressure) %>%
  layer_bars(width = 10)
```

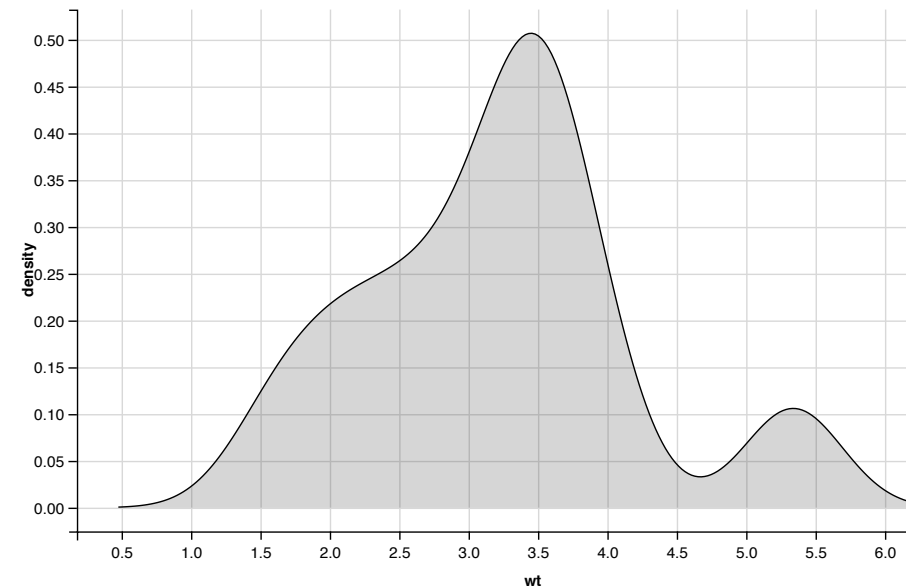


## now sprinkle on some interactivity

- `input_slider`
- `input_select`
- `input_checkbox()`
- `input_checkboxgroup()`
- `input_radiobuttons()`

## plot it

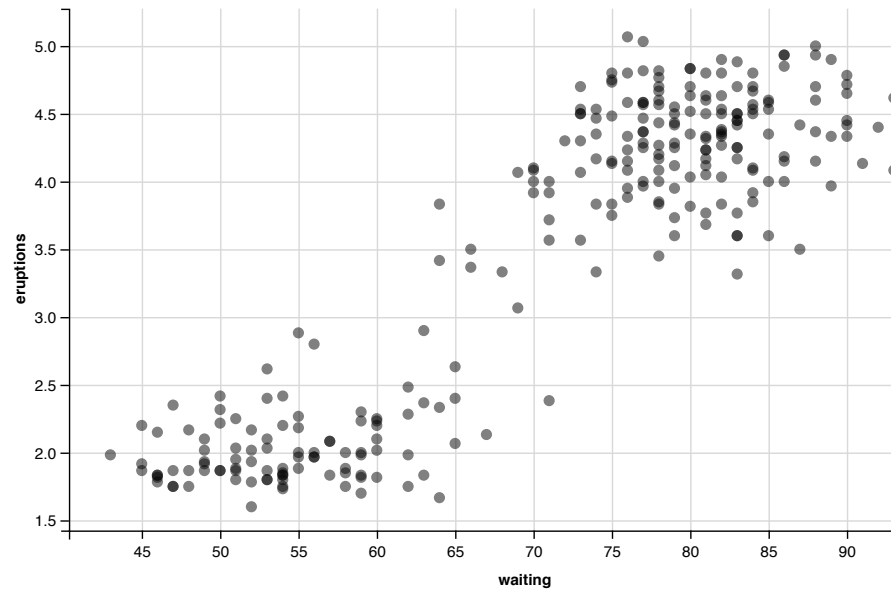
```
## Warning: Can't output dynamic/interactive ggvis plots i  
## Generating a static (non-dynamic, non-interactive) vers
```



# More recipes

<https://github.com/jlow2499/ggvis-examples/blob/master/interactiveplots1.R>

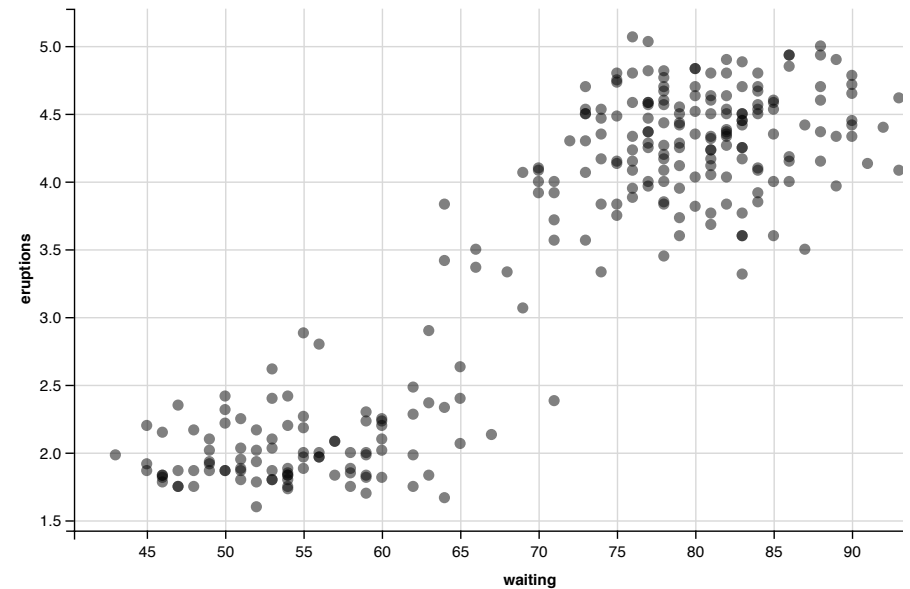
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