

ggplot2: transcriber of envisioned plots

'In my head I could very clearly kind of picture...'

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'I'd get a
dataset...'

1

```
ggplot(data = mtcars) +
```

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'In my head I could very clearly kind of picture...'

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dataset...'

1

1
2

```
ggplot(data = mtcars) +  
  aes(x = wt,
```

'I want to put
this on the
x-axis'

2

ggplot2: transcriber of envisioned plots

'In my head I could very clearly kind of picture...'

'I'd get a dataset...'

1

'Let's put this on the y-axis'

3

```
ggplot(data = mtcars) +  
  aes(x = wt,  
      y = mpg) +
```

'I want to put this on the x-axis'

2

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'In my head I could very clearly kind of picture...'

'I'd get a dataset...'

1

'Let's put this on the y-axis'

3

```
1 ggplot(data = mtcars) +  
2   aes(x = wt,  
3       y = mpg) +  
4     geom_point() +
```

'I want to put this on the x-axis'

2

'Put some points here'

4

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'In my head I could very clearly kind of picture...'

'I'd get a dataset...' 1

'Let's put this on the y-axis' 3

'Draw a line' 5

```
1 ggplot(data = mtcars) +  
2   aes(x = wt,  
3       y = mpg) +  
4   geom_point() +  
5   geom_smooth()
```

'I want to put this on the x-axis' 2

'Put some points here' 4

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'In my head I could very clearly kind of picture...'

'I'd get a dataset...' 1

'Let's put this on the y-axis' 3

'Draw a line' 5

1
2
3
4
5
6

```
ggplot(data = mtcars) +  
  aes(x = wt,  
      y = mpg) +  
  geom_point() +  
  geom_smooth() +  
  facet_wrap(vars(cyl))
```

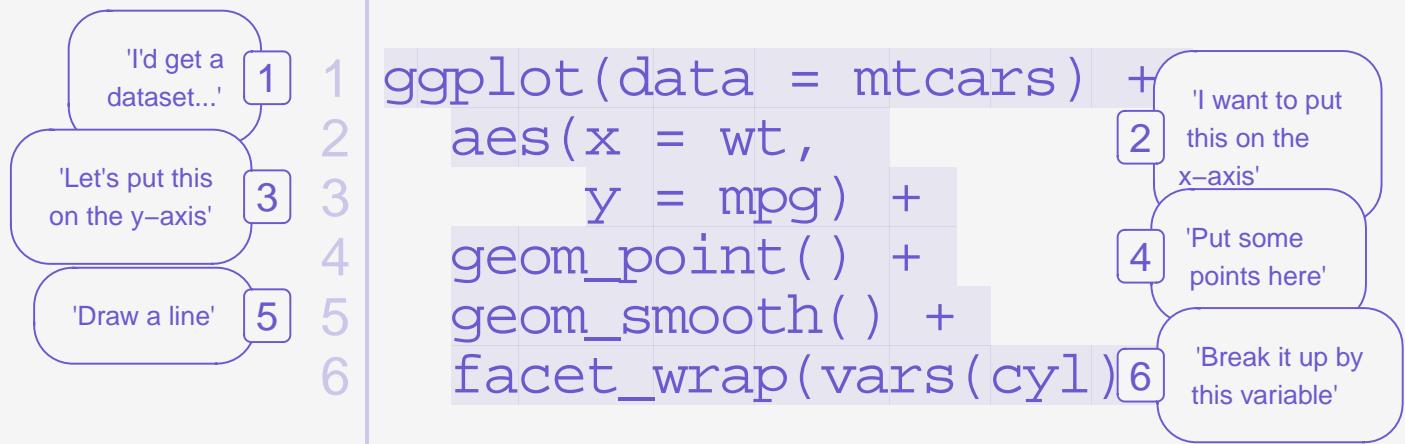
'I want to put this on the x-axis' 2

'Put some points here' 4

'Break it up by this variable' 6

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'In my head I could very clearly kind of picture...'



'And then, like, getting that vision out of my head,
and into reality, [was] just really, really hard.
Just, like, felt harder than it should be. Like,
there's a lot of custom programming involved.'

I just wanted to say, like, you know, this is what
I'm thinking, this is how I'm picturing this plot.
Like, you're the computer 'Go and do it'....

And I'd also been reading about the Grammar of
Graphics by Leland Wilkinson, I got to meet
him a couple of times and ... I was, like,
this book has been, like, written for me.'