## Visualisation in R with ggplot2 and plyr

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#### 1. Setup - http://courses.had.co.nz

- 2. Introductions
- 3. Course outline

#### HELLO my name is



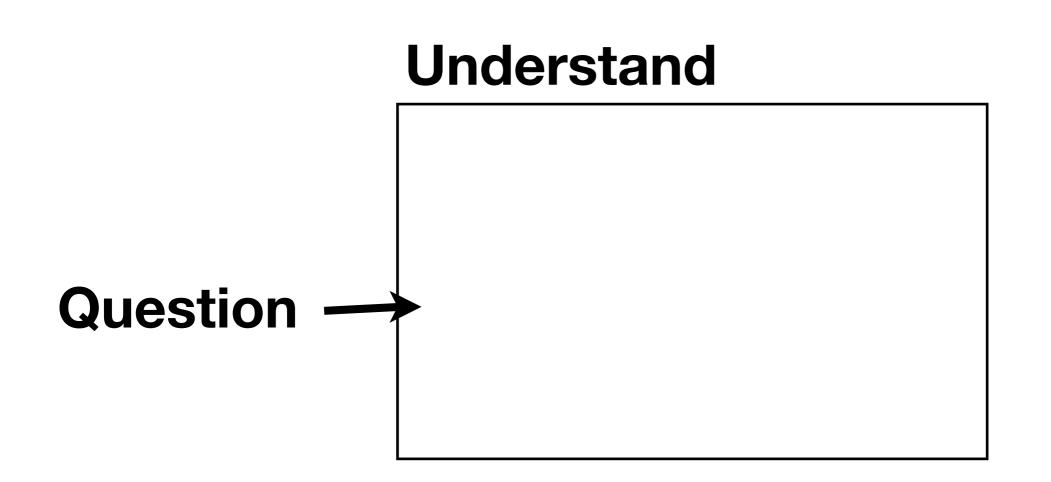
### Your turn

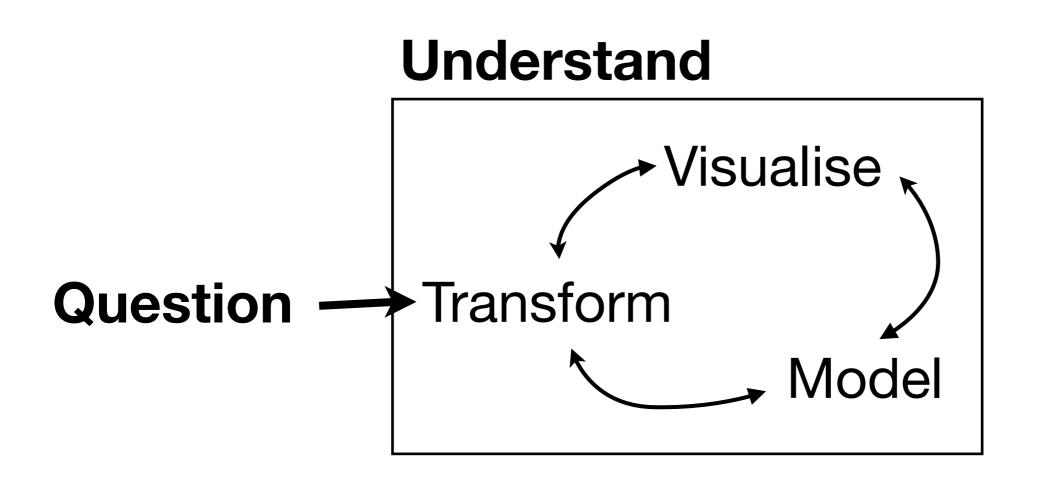
Throughout the course, there will be many opportunities for you to practice what you've learned and receive one-on-one help.

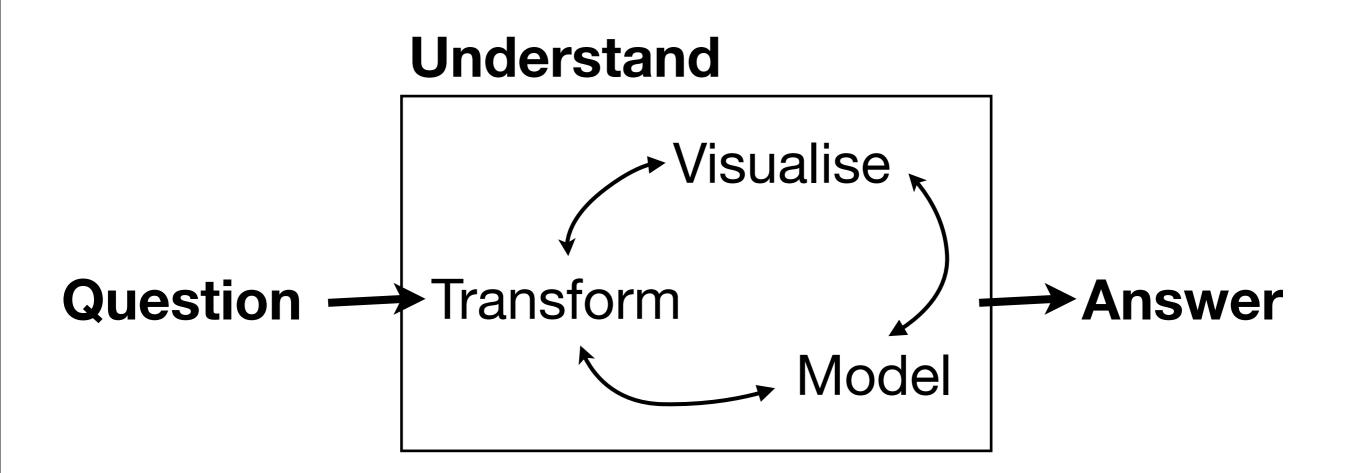
Please get things started by introducing yourself: what's your name and what sort of data do you work with.

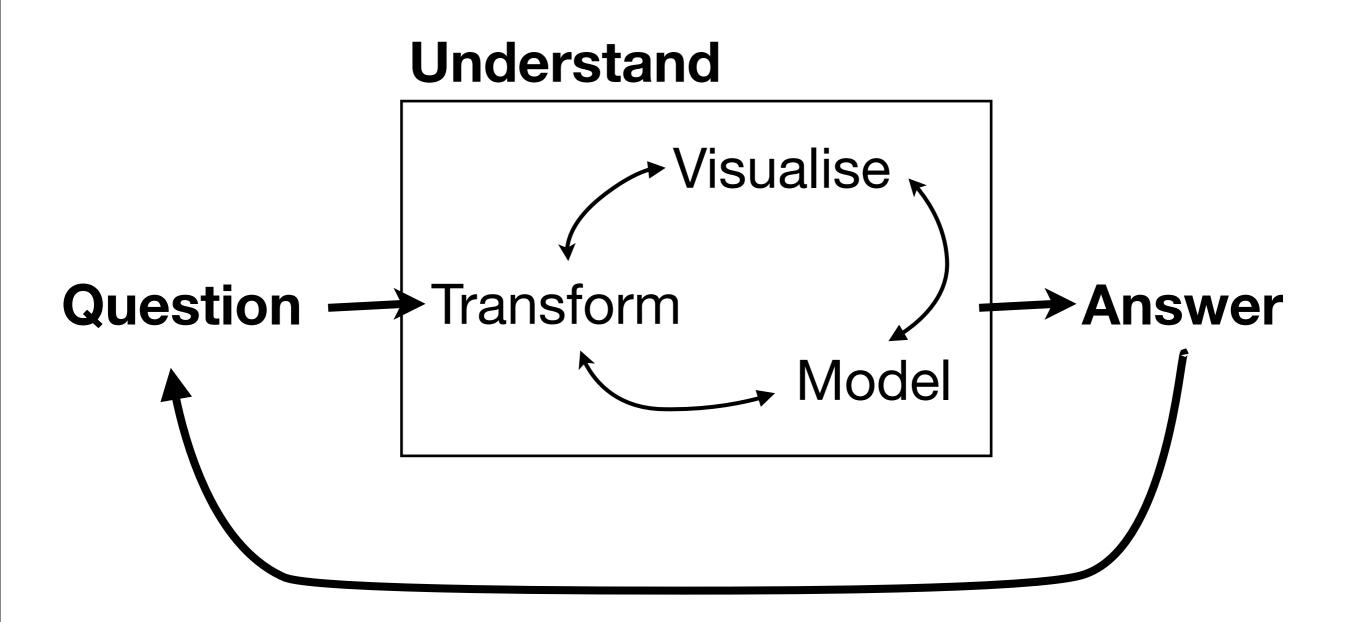
## 

#### Question



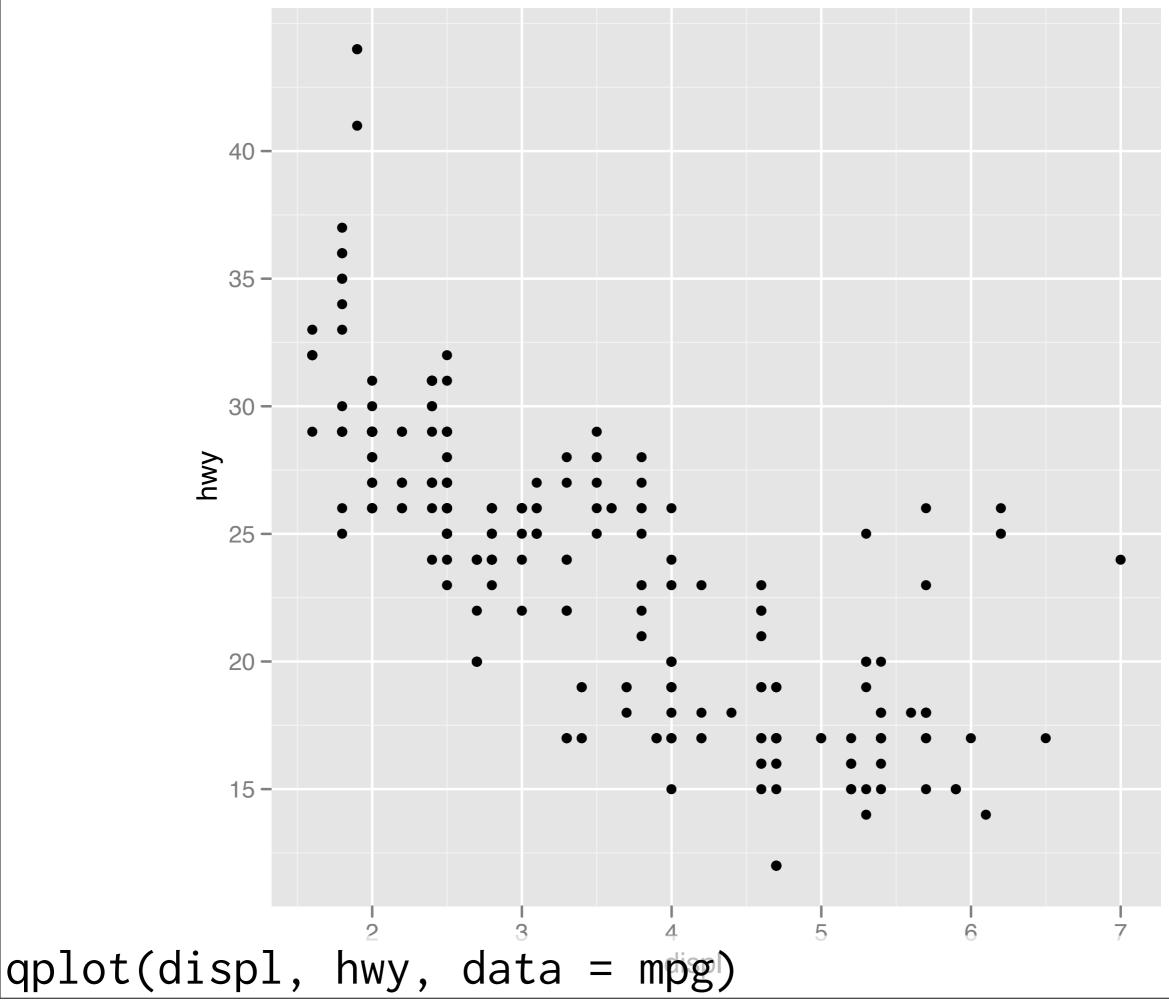


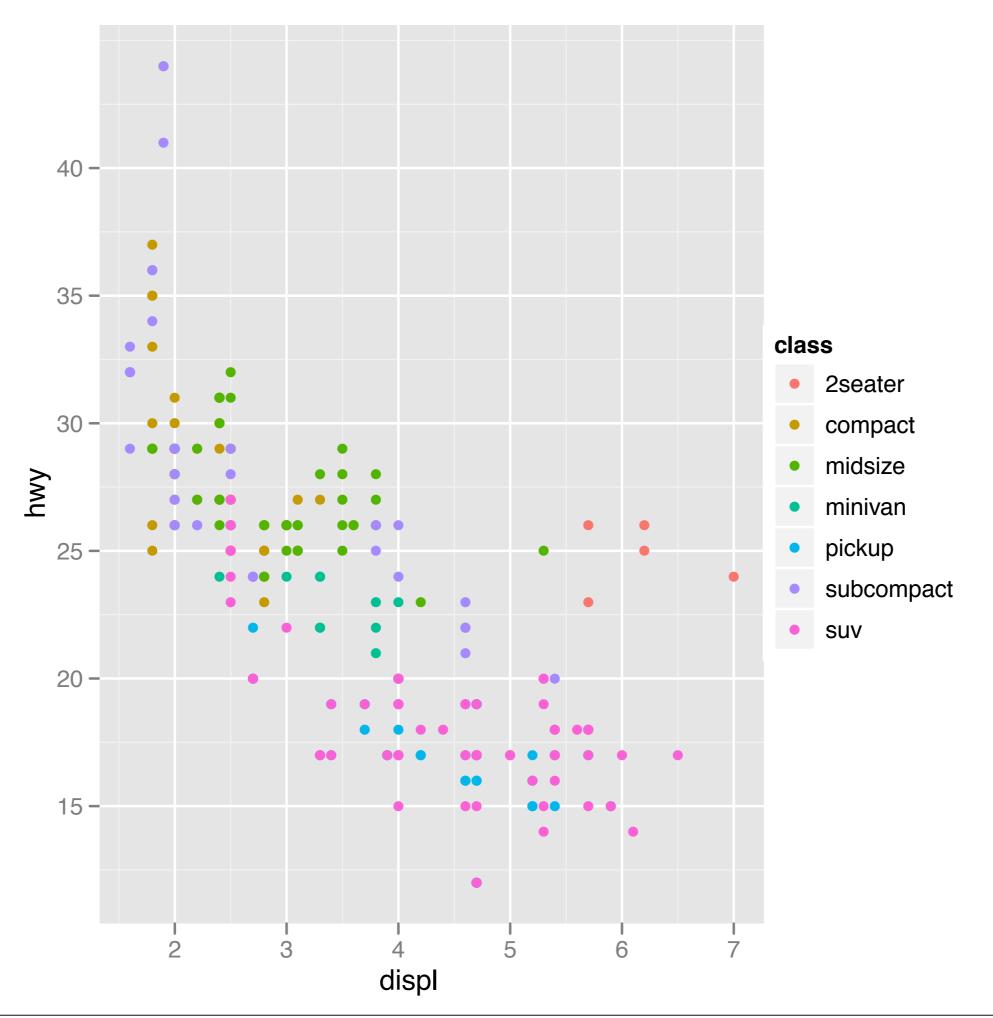


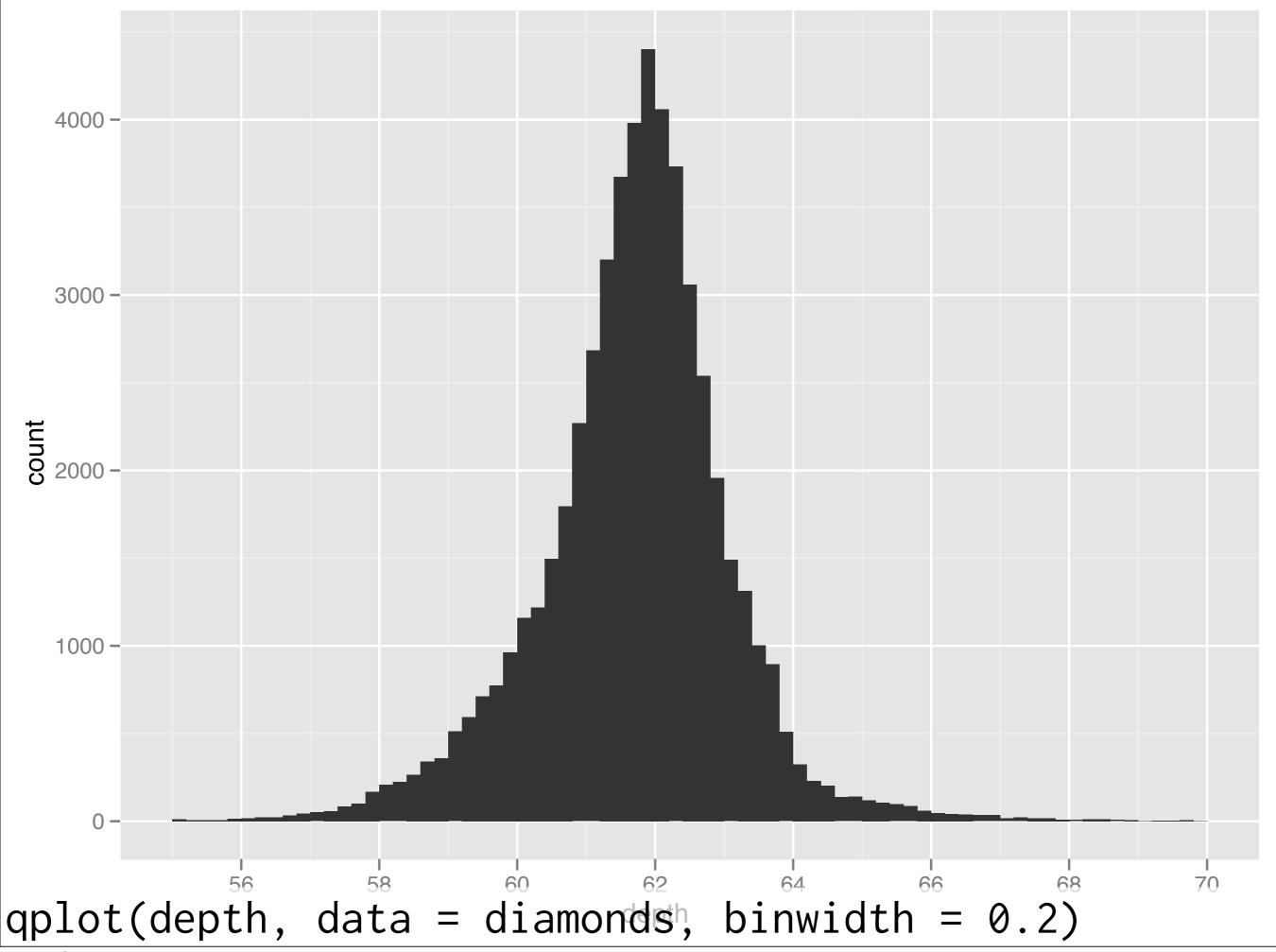


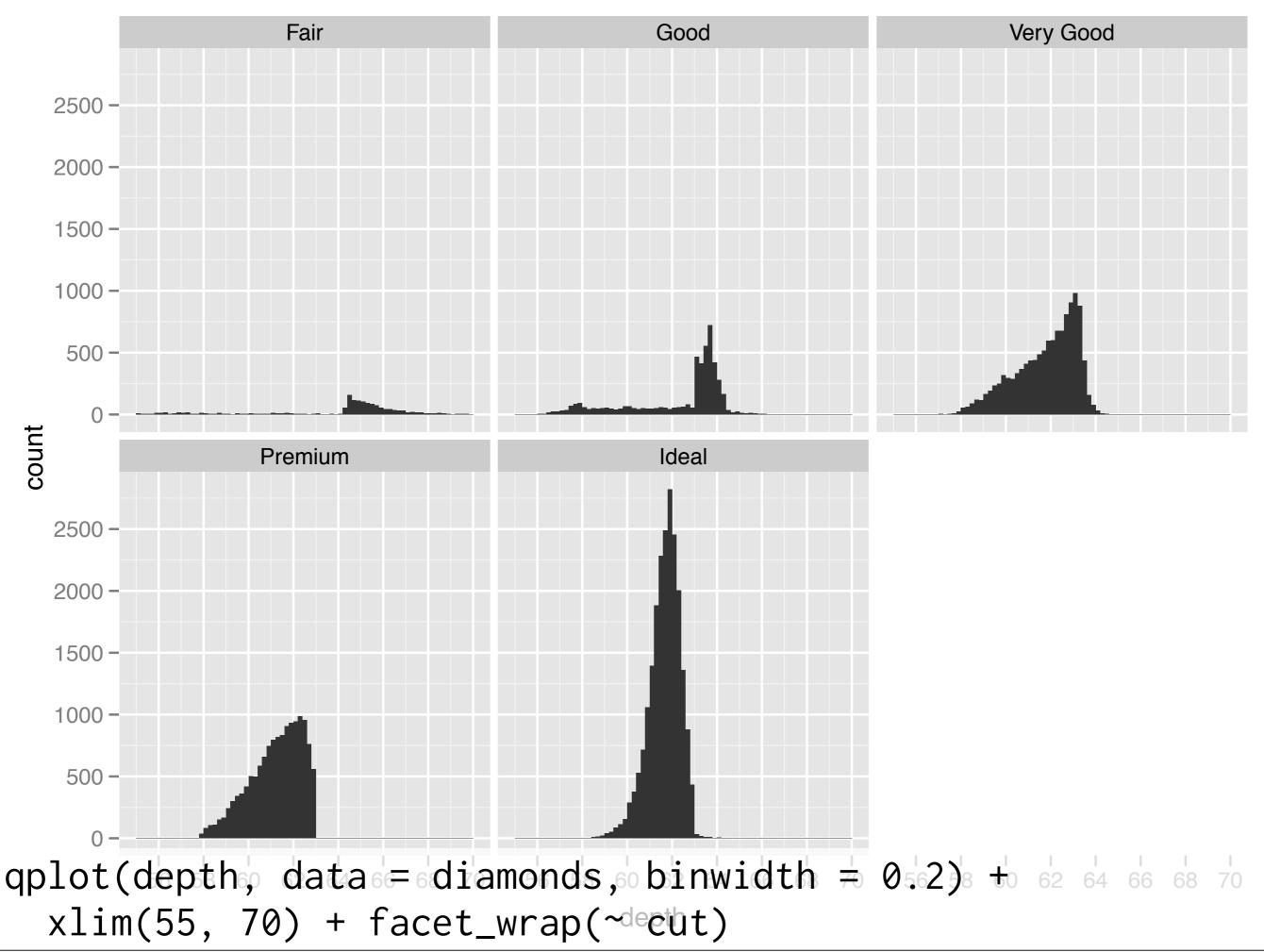
# Visualise **Transform** Model

## ggplot2 basics









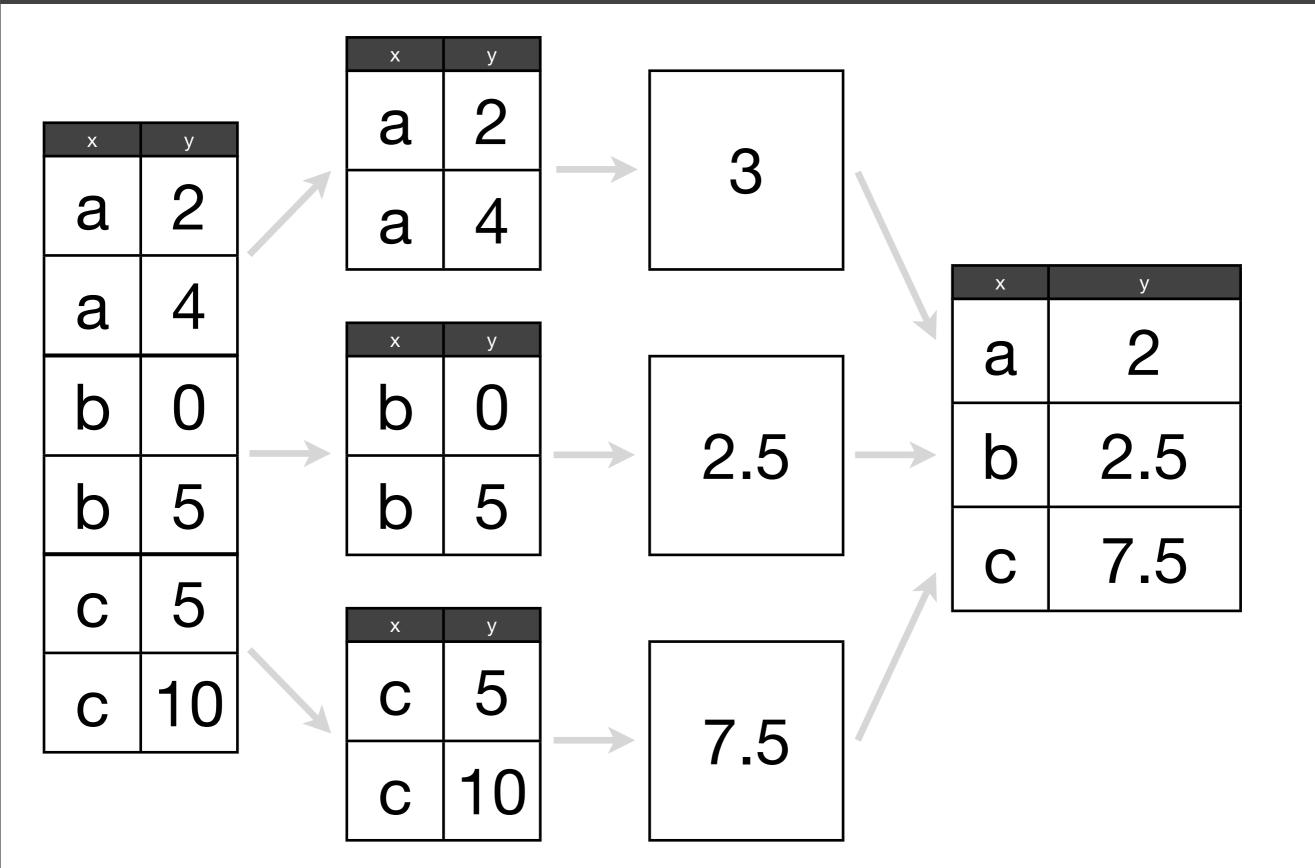
### Data manipulation

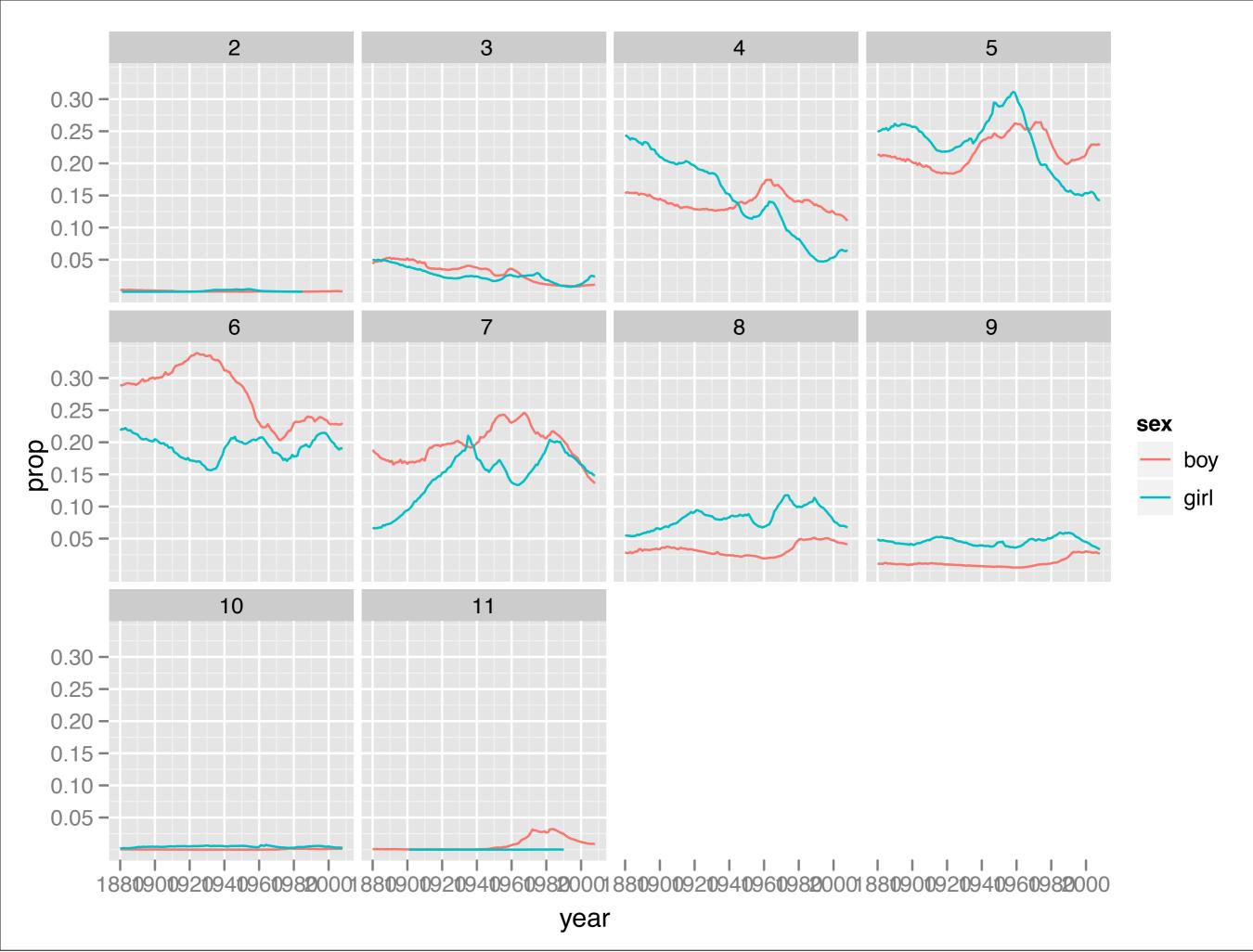
Function	Package
subset	base
summarise	plyr
mutate	plyr
arrange	plyr

**Split** 





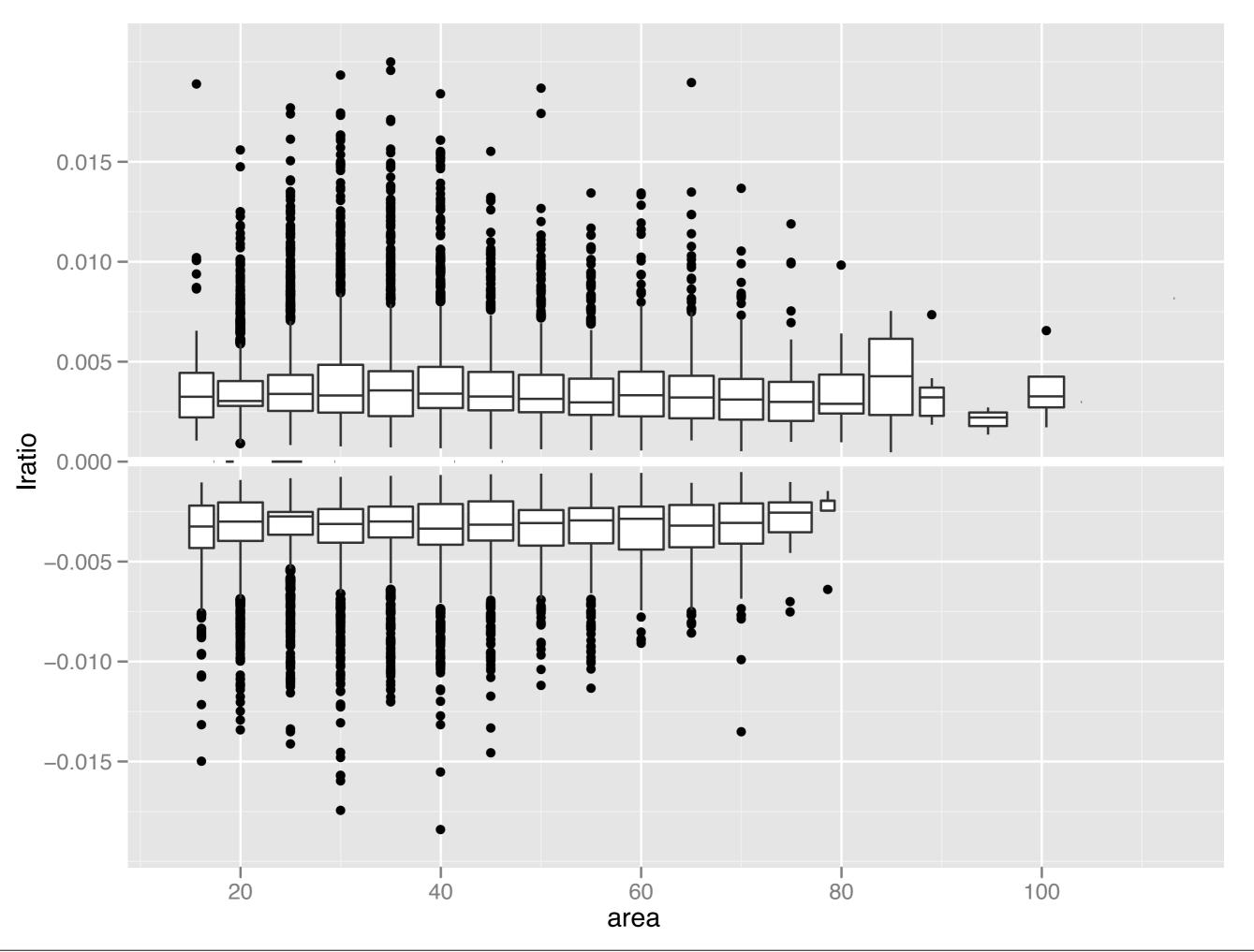




# Graphics: critique and creation

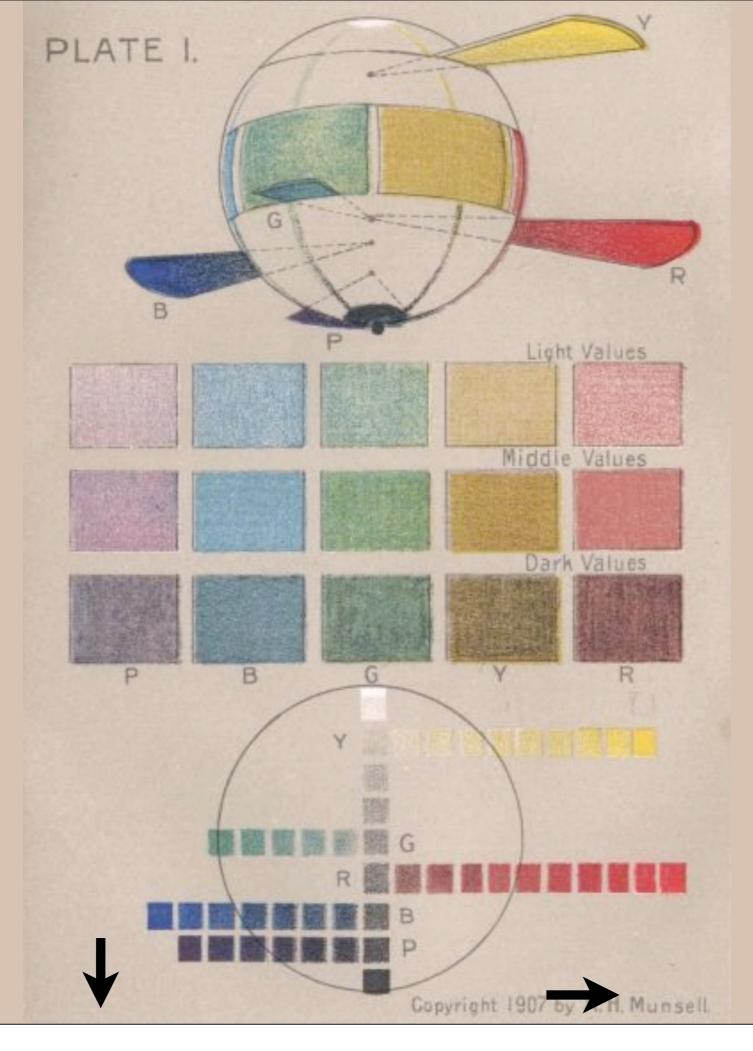
## What should I plot? How can I plot it?





# Polishing plots for presentation

- 1. Scales: used to override default perceptual mappings, and tune parameters of axes and legends.
- 2. Coordinate systems: override default Cartesian coordinate system
- 3. **Themes**: control presentation of non-data elements.
- 4. Saving your work: to include in reports, presentations, etc.



## Learning a new language is hard!