Visualisation of big biomedical data

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HELLO

my name is

Hadley

HELLO
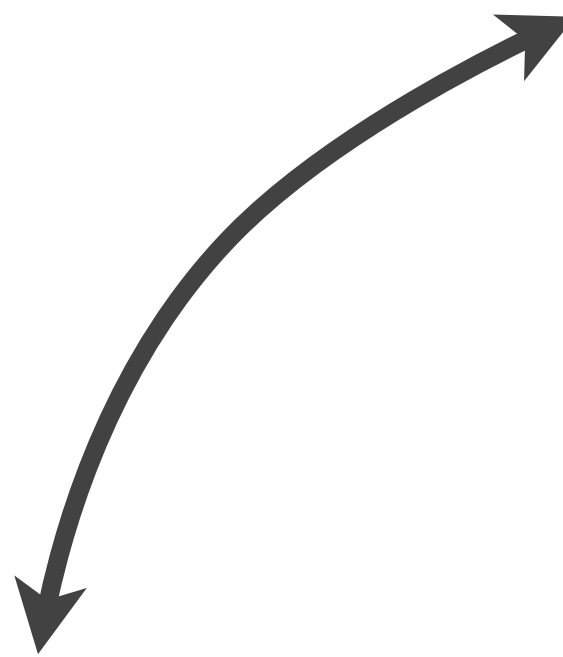## my name is

Di

Import

Visualise
Surprises, but doesn't scale

Tidy
Consistent way
of storing day

Transform
Create new variables & new summaries
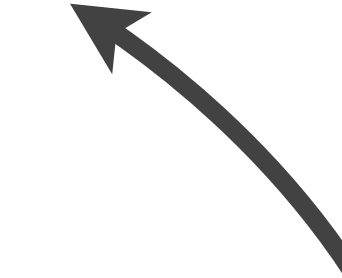
Model
Scales, but doesn't (fundamentally) surprise

Programming
Software development
Communication

Day 1

- Introduction to ggplot2

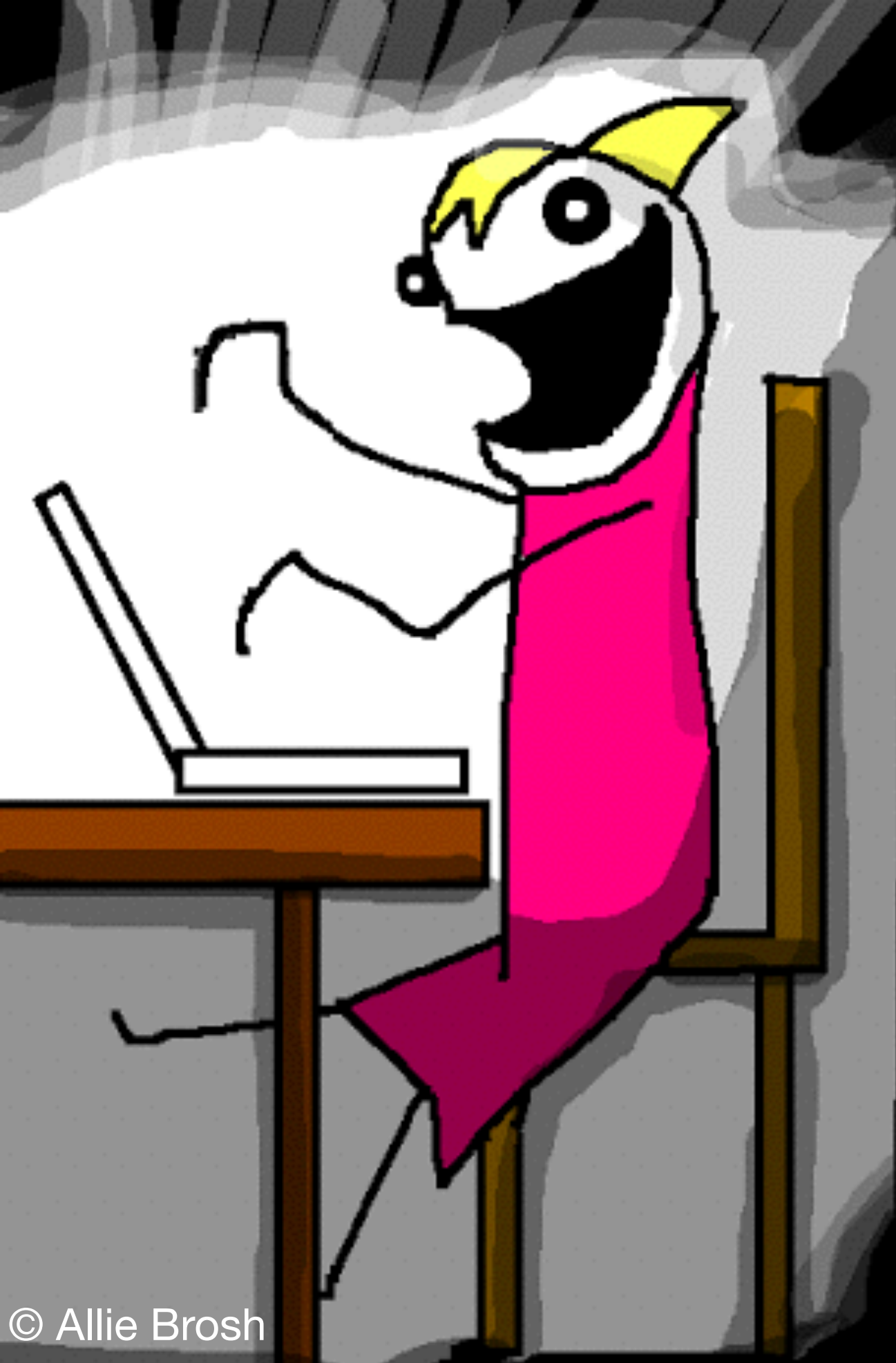- Layering visualisations for big data

Day 2

- Multivariate plots for bioinformatics, using ggplot2 and GGally

- Data mining and genomic plots

- Data manipulation with dplyr

- Tidy data and tidying your messy data with tidyr

Day 3

- Interactive graphics using ggvis

- Building interactive web apps with shiny

- Your turn: make your own shiny app

The bad news:
It's going to be frustrating

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http://hyperboleandahalf.blogspot.com/2010/09/four-levels-of-social-entrapment.html

3:17 AM

The good news: Frustration is **typical** and temporary

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Your turn

Introduce yourself to your neighbours. They are the best resource for help!

Why do you want to learn R?