

Data Management

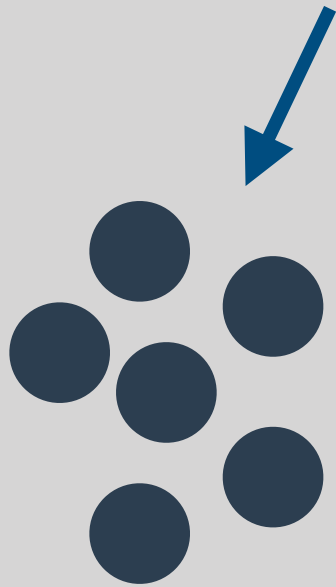
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Spring 2019

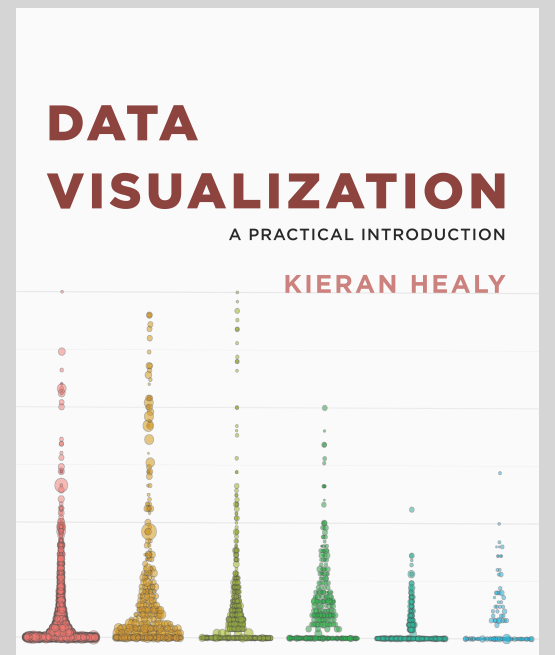
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What I wanted to happen

Intrepid
Students

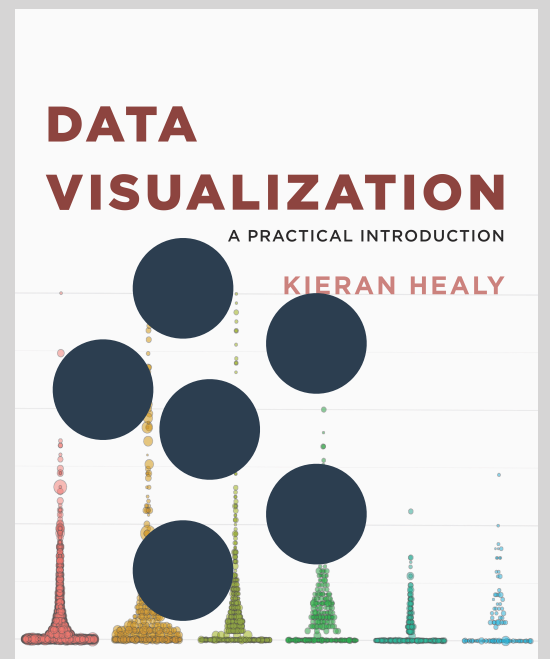


Dataviz
Nirvana



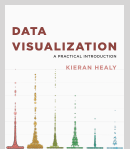
What I wanted to happen

Dataviz
Nirvana



What happened

Dataviz
Nirvana



Frustrated
Students





Hence...

The Plain Person's Guide

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to Plain Text Social Science

Kieran Healy

This mini-seminar offers an opinionated but non-dogmatic overview of tools and techniques you can use when doing quantitative or mixed-methods social science research.

The Plain Person's Guide

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to Plain Text
Social Science

Kieran Healy

**THE BITS
EVERYONE
SKIPS**

Potential Topics: Outside of R

- Why don't I have secure, incremental, automatic, off-site backups?
- How does my computer work, like, in general?
- What is the shell? Why do I need it?
- Why should I use plain-text tools?
- What are some handy Unix-y things I can do, specifically?
- How do I use Git and GitHub?
- How do I organize paper- or chapter-sized projects?
- What if my advisor wants to read papers in MS Word?

Potential Topics: Inside of R

- How do I get my data into R? `readr`, `foreign`
- What's good name hygiene? `janitor`
- What's good code style? `lintr`
- How should I deal with factors and so on? `forcats`
- How do I clean data in R? What are some things to watch out for? `stringr`
- How do I reshape data? `tidyr`
- How do manipulate, summarize, and extend my data? `dplyr`

Tools

R, R Studio

git, GitHub

bash, shell utilities

Install R, R Studio, git, and GitHub

<https://happygitwithr.com>