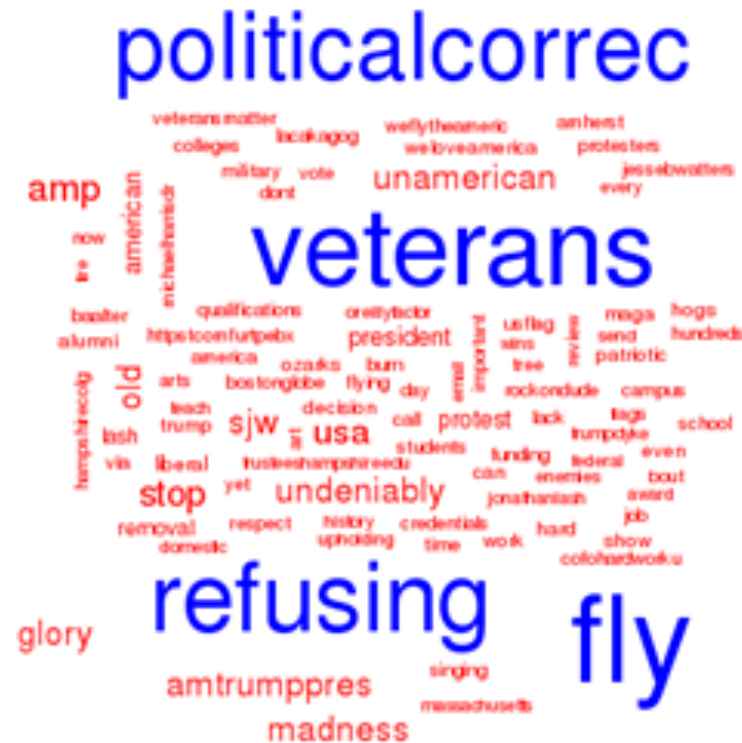


Data Science Tutorial at Hampshire College (fall 2016)



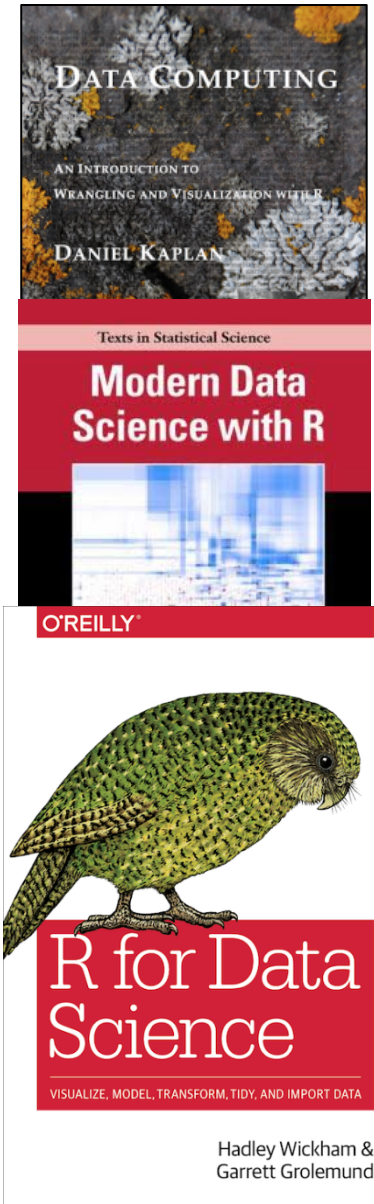
CS 173T: Intro to Data Science tutorial

The class:

- 8 first year students
 - Most had just a little prior programming experience
- Tutorial: Intro to college + advisor + class
- Met twice a week for an 80 minutes

Topics

- Intro to R
- Data Wrangling
- Data Visualization (grammar of graphics/ggplot)
- Machine learning
- Interactive visualizations (Shiny)
- Text manipulation, data scraping (web APIs)



CS 173T: Intro to Data Science tutorial

In class:

- Explained concepts then had them try it in R

Assignments:

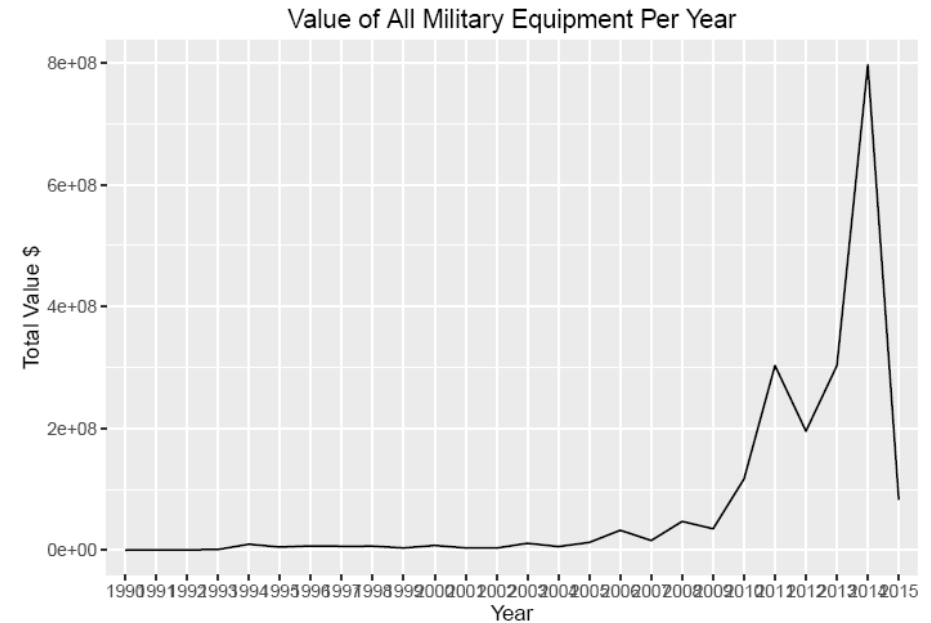
1. Read Data Journalism articles
 - Quote and Reactions and a presentation
2. Weekly worksheets and DataCamp
 - R Markdown worksheets > DataCamp
3. Midterm and final projects
 - 5-10 page Markdown report + presentation

Assignments

A Grump-Murdoch Axis, and What It Means for the World

By JIM RUTENBERG

The ties between Rupert Murdoch and Mr. Grump are undeniably close, writes our media columnist. But what does that



Color points by

Armed/Unarmed

✖ Unarmed
✖ Armed



Takeaways

Super fun

So much more to add!

- R-bloggers
 - La Quinta is Spanish for “Next to Denny’s”

Educational outcomes

- Students learned how explore data and answer questions using R
- Prerequisite for Intro to Statistics?

