

Play it Again

Visualizing Data Using JavaScript

ToDos

- Agenda for final month
- Last module's homework
- Popular javascript tools for data visualization
- Digging into Google Charts
- Digging into d3.js
- This module's homework
- Final presentation

Agenda for final month

- Apologies for changing timing on proposal due dates
- I am approving proposals now and over the next week
- If you aren't sure if your proposal is approved, it isn't
- Next class (5/3), be prepared to share what you've done so far
- Final projects due 5/17

Last module's homework

- Solutions posted on GitHub

Popular javascript tools for data visualization

- Google Charts
- d3.js
- processing.js
- many others for charting

Digging into Google Charts

- There are actually two libraries: Charts & Visualizations
- You have already worked with these! (googleVis in R)
- Now working with the js directly
- Docs are at <https://developers.google.com/chart/>

Google Charts considerations

- Not open source, can't be self-hosted!
- Motion charts are Flash-based
- Security is unclear

Digging into d3.js

- Usually done on svg
- Lower level but very well thought out
- Extremely flexible
- Method chaining
- Good documentation at <https://github.com/mbostock/d3/wiki>

d3.js

- Usually done on svg (<IE 9 issues)
- Not intuitive at all
- Requires CSS work

This module's homework

- Get final approval on your proposal
- Create a d3 AND a google charts visualization with your data

Final presentation

- If you are working with d3 (and I hope you do) start early!
- Ask me for help! josh.laurito@gmail.com

