Beyond D3
• many visualization environments/ecosystems
  – D3
  – R/Shiny
  – python
  – Processing
  – Tableau
  – Excel
  – charting libraries

Marking breakdown, reminder
• Milestone 1: 15% (6% of total)
  – TA has 30 min slot for marking each project
  – TA skims writeups before demo
  – your group joins on zoom for (up to) 10 min to give demo
    – TA reads writeup more closely after demo and types up marks/comments
  – TA evals

M3 Marking Plan
• Procedure
  – TA has 30 min slot for marking each project
  – TA skims writeups before demo
  – your group joins on zoom for (up to) 10 min to give demo
  – TA reads writeup more closely after demo and types up marks/comments
  – after TAs have marked everything I'll do a pass through all projects too

• Procedure
  – TA reads writeup more closely after demo
  – TA reads writeup more closely after demo and types up marks/comments

Writeups
• no explicit length limits; be concise but be clear
  – do illustrate clearly with screen shots, don’t just rely on demo to show things!

Mid-Semester Survey
• please fill them out now, through Canvas
  – Prof eval
  – TA evals
  – polls for class participation and feedback on TA marking

Evaluations
• please fill them out now, through Canvas
  – Prof eval
  – TA evals

Next Steps
• next week, move Friday TA office hours earlier
  – Fri standard time useless after classes are over and project due
  – shifted to Tue 10am-noon, before deadline
  – use Piazza for URL

• M3 marking demos
  – see Piazza for URL, just released
  – first come first served
  – sign up by group not by individual

Information Visualization Wrapup
Tamara Munzner
Department of Computer Science
University of British Columbia

Week 13 sync class, Jan 2021
https://www.students.cs.ubc.ca/~cs-436v/21Jan/

Foundations
• value of programming assignments and tutorials
• value of recordings vs live lectures for later review
• some negative things
  – breakdowns often awkward, cameras off, lack of engagement
  – isolation of full online mode, difficulty of teamwork formation & communication
• ideas for improvement
  – post async lectures earlier; split into smaller pieces
  – add more TA hours, especially near deadlines
  – avoid "mini scavenger hunt" on Pizzas to find assignment clarifications/updates
  – breakdowns enforce designating group speakers beforehand
  – tune ratio of lecture (more) vs exercises/breakout rooms (less)

Programming
• isolation of full online mode, difficulty of team formation & communication
  – heavily used in science, especially static graphics
  – R/Shiny: some interaction, but much less flexibility than D3

Beyond D3
• many visualization environments/ecosystems
  – D3
  – R/Shiny
  – python

• D3.js: interactive browser-based visualization
  – substantial learning curve (but you won’t hit a wall)
  – browser-based deployment with Heroku
  – dramatic tour

Mid-Semester Survey

• please fill them out now, through Canvas
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  – TA evals

Evaluations
• please fill them out now, through Canvas
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Next Steps
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Other resources: Andy Kirk’s Visualizing Data

Learning through Redesign En Masse: Makeover Mondays
• easy entry point (Tableau focus)
http://www.makeovermonday.co.uk/blog/

Learning through Redesign En Masse: Tidy Tuesdays
• easy entry point (R focus)
https://www.tidytuesday.com/

Learning Design Process In Depth: Dear Data
• inspiring celebration of data humanism
• Giorgia Lupi and Stefanie Posavec
http://www.dear-data.com/by-week/

Learning Design Process In Depth: Data Sketches
• detailed process notes, from sketching through coding
• Shirley Wu and Nadieh Brehmer
http://www.datasketch.es/

Pathways for more participation: organizations
• join Viz@UBC
– https://dfp.ubc.ca/initiatives/viz-ubc
– get on vizatubc-announce email list (send mail to vizatubc-info@cs.ubc.ca)
– talk series (plan to restart after pandemic lifts)
• join Vancouver Visualization meetup (4K+ members)
– https://www.meetup.com/Vancouver-Data-Visualization/
• join Data Visualization Society
– https://www.datavisualizationsociety.com/
– two years old, 17K+ members around the world
– jobs board: full-time, part-time and contract positions worldwide
https://groups.google.com/g/data-vis-jobs
– many other resources, super-active Slack incl local groups, challenges, ...
– Medium articles: Nightingale

Visualization jobs
• spectrum
– visualization as main/core focus
– visualization as occasional task
– visualization skills add strength to your portfolio even if no immediate duties
• local companies
– Tableau Vancouver is largest company focused on visualization
– many smaller ones have visualization / data science needs

Fare well
• last sync class with all of you (although term not over yet)
• best wishes for staying safe and healthy
• enjoy visualization, I hope many of you keep going down this path!