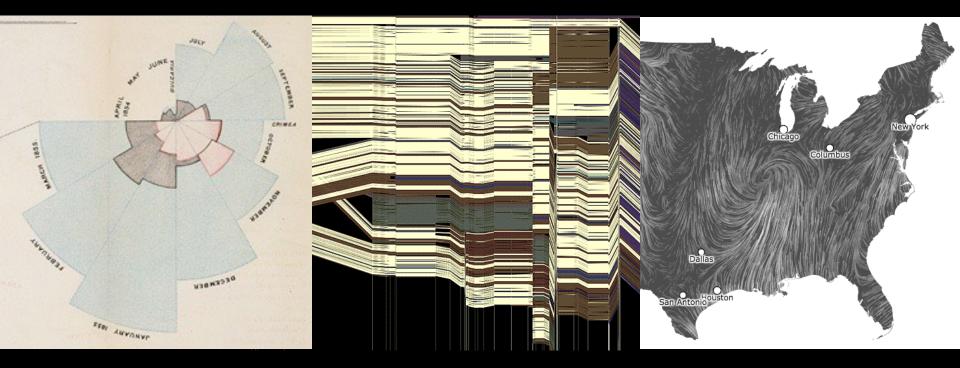
CSE 442 - Data Visualization

Design Review & Critique



Jeffrey Heer University of Washington

Prototype Peer Critiques

Critique Questions

What is the purpose of the visualization? Does it serve its purpose well? Does it convey the data honestly? Does it show the appropriate level of detail? Are expressive & effective visual encodings used? Do the interactions aid understanding of the data? Is the design well-organized? Is it innovative? What would like to change or refine? How might things be done differently?

I Like... / I Wish... / What If?

I LIKE...

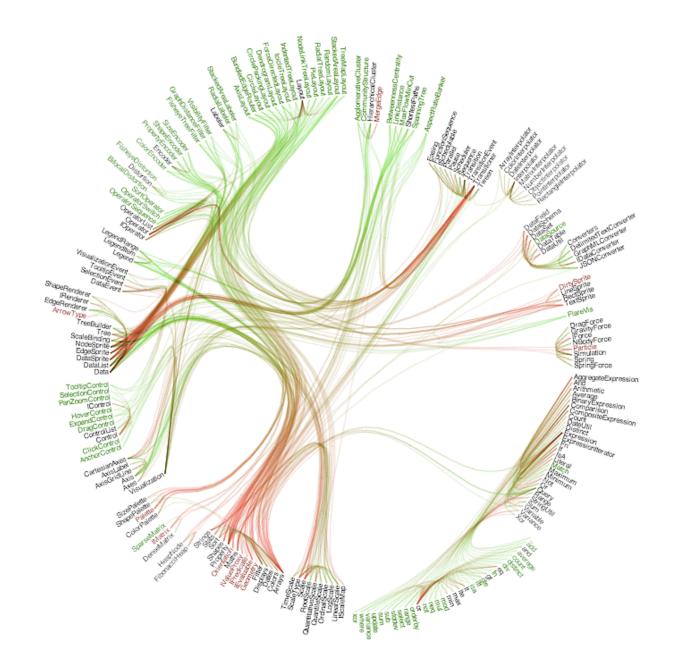
Praise for design ideas and/or well-executed implementation details. *Example: "I like the navigation through time via the slider; the patterns observed as one moves forward are compelling!"*

I WISH...

Constructive statements on how the design might be improved or further refined. *Example: "I wish moving the slider caused the visualization to update immediately, rather than the current lag."*

WHAT IF?

Suggest alternative design directions, or even wacky half-baked ideas. Example: "What if we got rid of the slider and enabled direct manipulation navigation by dragging data points directly?"



I Like... / I Wish... / What If?

I LIKE...

The goal of supporting developers to improve decoupling. The "cut-line" interaction to isolate links of interest. The use of gradients to show edge directionality.

I WISH...

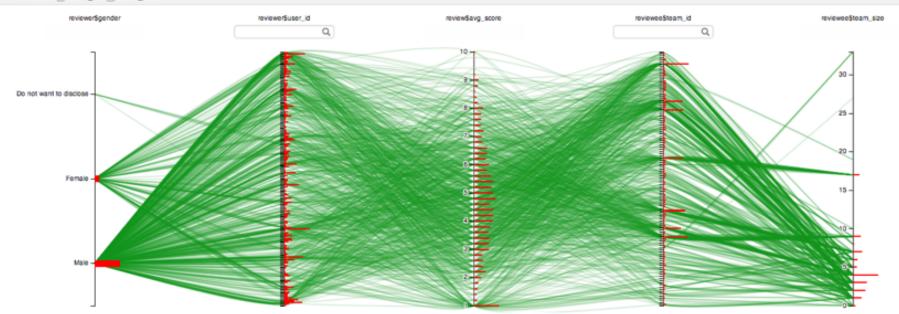
I could author multiple cut-lines for compound queries. More details on demand were shown upon mouse-hover.

WHAT IF?

You could incorporate information from applications that use this code? How often are different modules used?

Exploring Peer Evaluation on Venture-Lab Spring 2012 1. Select Axes 2. Filter About

REVIEWER gpa academic_major age_range location gender signin_count guser_id REVIEW gavg_score score1 score2 score3 score4 score5 REVIEWEE gteam_id gteam_size



reviewer\$gpa	reviewerSacad	reviewerSage	reviewer\$locat	reviewerSgender	reviewer\$signi	reviewer\$user_id	reviewSavg_s	review\$score1	review\$score2	review\$score3	review\$score4	review\$score5	reviewee\$tea	revieweeStea
NULL	NULL	NULL	NULL	NULL	21	37212	4	4	5	6	4	1	5069	4
NULL	NULL	NULL	NULL	NULL	21	37212	7.4	8	7	7	6	9	5470	17
Does not	Science	26-30	Netherlands	Male	124	2230	6.8	7	7	8	7	5	5693	7
Does not	Science	26-30	Netherlands	Male	124	2230	2.2	2	1	3	4	1	5836	4
Do not w	Business	31-35	Spain	Male	80	2848	4.4	4	1	7	9	1	5069	4
3-3.49	Other	21-25	Spain	Female	75	2826	5	5	5	5	5	5	5215	4
3-3.49	Engineering	over 50	United St	Male	110	19502	3.6	5	5	2	3	3	5215	4
3.5-4.00	Science	36-40	Greece	Male	125	27386	3.6	3	6	5	3	1	5250	3
3-3.49	Engineering	over 50	United St	Male	110	19502	7	9	5	9	6	6	5693	7
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Showing 1206 row(s).(s)

I Like... / I Wish... / What If?

I LIKE...

The 1D histograms on the parallel coordinates display. The use of brushing and linking between components. Attention to small details, such as white masks for axis labels.

I WISH...

Data fields were configured to focus on the most relevant features. The interaction was faster (lower latency). A color-blind friendly color palette had been used.

WHAT IF?

One tried to visualize the data using a technique other than parallel coordinates? What encodings work best for the intended audience?

Critique Categories

Visualization Design

Choice of visual encodings (expressive, effective?) Is the appropriate information visible by default?

Interaction Design

Choice of interaction techniques Do they enhance understanding of the data? Usability, discoverability, performance

Overall Design Quality

Organization, legibility, fitness for chosen goals