Course Review

CS 4460 – Intro. to Information Visualization
December 4, 2014
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Syllabus Review

Week	Dates	Topic	Topic	HW
1	Aug 19, 21	Introduction	InfoVis overview	HW 1
2	Aug 26, 28	Visual perception	Tasks and analysis	
3	Sep 2, 4	Storytelling	Multivariate data & table/graph design	
4	Sep 9, 11	Few's design guidance	Multivariate visual representations 1	HW 2
5	Sep 16, 18	Multivariate visual representations 2	D3 tutorial session	HW 3
6	Sep 23, 25	InfoVis systems & toolkits	Guest lecture: Rahul Basole	HW 4
7	Sep 30, Oct 2	Design session and Exam review	Midterm Exam	
8	Oct 7, 9	Overview & detail	Poster session	
9	Oct 14, 16	No Class - Fall break	Time series data	HW 5
10	Oct 21, 23	Graphs and networks	Hierarchies & trees	HW 6
11	Oct 28, 30	Text & documents 1	Text & documents 2	
12	Nov 4, 6	Interaction	Commercial systems demos	HW 7
13	Nov 11, 13	Value/Benefits of visualization	Project work day	
14	Nov 18, 20	Tufte's design principles	Visual analytics	
15	Nov 25, 27	Casual InfoVis	No Class - Thanksgiving break	
16	Dec 2, 4	Project presentations	Project presentations & Review	
17	Dec 9	Final Exam		

Visualization Zoo

Time series data	Hierarchies
Index line chart	Node-link diagrams
Stacked graph	Cartesian
Small multiples	Radial (dendogram)
Horizon graph	Indented tree layout
	Adjacency diagrams
Statistical distributions	Icicle plot
Stem-and-leaf plots	SunBurst
Q-Q plots	Enclosure diagrams
Scatter plot matrix	Treemap
Parallel coordinates	Circle packing
Maps	**Networks**
Flow map	Force-directed
Choropleth map	Arc diagram
Graduated symbol map	Matrix views Heer, Bostock & Ogievetsky
Cartograms	*CACM* '10

`http://queue.acm.org/detail.cfm?id=1805128`

HW 7

- Return
- What we looked for

Final Exam

- Tuesday, this room, 11:30pm
- Short answer (like midterm)
  - Explain something
  - Identify something
  - Critique something
  - Design something
  - ...

Final Project

- Due on Monday @ 5pm
  - Video
    - Use Camtasia, Do a nice job
    - Will create an "assignment" for turning in on t-square
  - Short descriptive document
    - Team members, quick overview, screenshot(s)
- Questions?

Team Survey

- Include yourself being rated
- 1 (bad) – 5 (good)
- Only I will read these

Grades

- HWs
- Project
- Participation
- Final exam

- Items will be posted in t-square later next week

Course Survey

- Take a few minutes to complete CIOS/TAOS
  - Info: http://www.cetl.gatech.edu/cios
  - Surveys: https://www.smartevals.com/login.aspx?s=gatech

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InfoVis Gospel

- Hopefully, course has increased your awareness of topic and you can become an advocate

- Keep me posted as your use these ideas in your career

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