Course Review

CS 4460 – Intro. to Information Visualization

December 4, 2017

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Schedule

Topic Review
Visualization Zoo

Time series data
- Index line chart
- Stacked graph
- Small multiples
- Horizon graph

Statistical distributions
- Stem-and-leaf plots
- Q-Q plots
- Scatter plot matrix
- Parallel coordinates

Maps
- Flow map
- Choropleth map
- Graduated symbol map
- Cartograms

Hierarchies
- Node-link diagrams
  - Cartesian
  - Radial (dendogram)
  - Indented tree layout
- Adjacency diagrams
  - Icicle plot
  - SunBurst
- Enclosure diagrams
  - Treemap
  - Circle packing

Networks
- Force-directed
- Arc diagram
- Matrix views

Heer, Bostock & Ogievetsky
CACM ’10

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

Grades

- Components
  - HWs
  - Programs
  - Midterm exam
  - Final exam
  - Participation

- Everything will be in t-square
  - Do not go by its total percentage calculation
    (it’s wrong)
Team Assessment

- Gathering them
- Only I will read these

P5 Projects

- I will try to make some of them available
  - May even show some at the start of the final
Exam

- Wednesday 13th 11:30-2:20 here
- Short answer (15-20 questions)
- Four styles
  - Concept (explain, compare, define, show, draw)
  - Code (D3 visualization)
  - Analyze and critique a visualization
  - Design a representation for data
- Assess the learning objectives

Class - Your Reflections

- How did things go?
  - Labs
  - Design
  - Anything else

- What were most interesting topics?

- What advice would you have for next time it is taught?
Course Survey

• Take a few minutes to complete CIOS/TAOS
  – Info: https://www.assessment.gatech.edu/resources/cios/
  – Actual Survey: http://gatech.smartevals.com
    (and from t-square homepage)

InfoVis Gospel

• Hopefully, course has increased your awareness of topic and you can become an advocate
• You have a great skill now!
• Keep me posted as your use these ideas in your career