Assignment 2 Rubric

1. Clear questions and applicable data set
2. Data set, acquisition, and transformation described
3. Visual exploration process description
4. Depth of analysis
5. Design of final visualization
   * Instructive image (does it answer the question?)
   * Appropriate caption and description
   * Expressiveness / Effectiveness of visualization
Final Project
Final Project

Design a new visualization system or technique
Many options: new system, interaction technique, design study
6-8 page paper in conference paper format
2 Presentations: in-class report & final poster session

Schedule
Project Proposal: Thursday, Nov 8 (end of day)
In-Class Presentation: Tuesday, Nov 27
Poster Presentation: Tuesday, Dec 11 (5-7pm)
Final Papers: Wednesday, Dec 12 (end of day)

Logistics
Groups of 2 to 4 people, graded individually
Clearly report responsibilities of each member

Protovis: A Graphical Toolkit for Visualization
Mike Bostock

RunMonster
Troy Brant & Steve Marmon

Protovis: A Graphical Toolkit for Visualization
Mike Bostock
Final Project Ideas

Read the Final Project Wiki Page ASAP!
Also follow the links for suggested projects. A number of domain experts have provided project ideas and are excited to collaborate with you.

We strongly encourage you to consider working in a partnership with a domain expert, especially if you have difficulty formulating a problem-focused project idea.

Tips for an effective project

Focus on a compelling real-world problem
How will you gauge success?
Consider multiple design alternatives
Prototype quickly (use Tableau, R, Gephi...)
Seek feedback (representative users, peers, ...)
Even informal usage can provide insights
Choose appropriate team roles
Start early!! (and read the suggested paper!)

Final Project Proposal

Deliverables
Form project group (2-4 people)
Create project wiki page
Post project abstract (1-2 paragraphs)
Should clearly state the problem, relevance & planned solution
Start your related work search now to inform your proposal

Due Thur Nov 8 (by end of day)
A3 Design Critiques

Design Critique

What is the purpose of the visualization?
Does it serve its purpose well?
Does it convey the data honestly?
Does it show the appropriate amount of data?
Are effective visual encodings used?
Is interaction used to enable effective exploration or examination of the data?
Does it address an important topic?
Is it innovative?
In-Class Critique Exercise

Visit A3 page on class wiki, find your assignment. Use the visualization, read the submission. Form a critique: note strengths & opportunities. Write up your critique, post to wiki. Next, you will meet in person to discuss. Brave souls can then volunteer to share visualizations & critiques with the class. Be respectful & constructive!

Design Critique

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