Final Project Requirements

Working in a group of three or four people, you will design and develop an interactive visualization with some (not too much) supporting text, for viewing online. You may use any dataset you like. Final deliverables are an in-class demonstration, an online, interactive visualization that demonstrates your design in action, and a very brief final report.

Your final project web site may be hosted anywhere you like. One readily available place is your I School personal webspace. To upload via SFTP, connect to the hostname ischool.berkeley.edu, authenticate with your I School username and password, and drop the files in your public_html folder.

Proposals (Week 6)

Please prepare a very short (no more than 1 or 2 pages), informal summary of what you plan to do as a group, and upload or email it to your instructor by the week six live session. Address the following in your write-up. This will not be a graded assignment, but it is important for keeping your project group on track. Your instructor will give feedback, and they may ask you to change your scope if they think it's too much or too little for this class.

- Names of students in your group

- What is your project concept?

- What will be the goals or purpose of your visualization?

- Where will you get your data?

Group Sign-Ups

Final Project Group Sign Up

Mid-Term Presentations (Week 9)

You will give a 15-minute presentation showing your prototype thus far during the week nine live session. At this point, you should have some form of prototype that can demonstrate the interactions. You might do this with Keynote or PowerPoint, for example. You may use a static drawing program if you can explain the interaction thoroughly. You can show your work in code if you like, but it's not required at this stage. You should show several iterations of designs that your group has considered and explain why you made the choices you made to get the current design. You should also explain how you plan to test your design. All team members must participate in the presentation.

Feedback for presentations: Each member of a group will be assigned to give feedback to another group (group 1 members each provide their thoughts to group 2, group 2 to group 3, etc.). See the midterm presentation peer review google doc for a list of questions to consider. Try to make your notes during the presentation itself so that you can send your feedback right away. Your group's presentation should include an email address to which your peer reviewers can send their feedback.

Final Presentations (Week 14)

You will give a demonstration of your visualization in action for your classmates during the discussion section. Like the mid-term presentations, you will have 15 minutes. This demonstration is your chance to show your fellow students how far your design has come since the mid-term milestone. Tell us what you changed and why. You must include details and conclusions from at least one round of usability testing (with at least three different subjects).Tell how your design changed (or will change) in response to your findings. Also address your choice of tools for building the final interactive visualization. All team members must participate in the presentation.

Project Web Site (Week 15)

The project web site must include (a) an interactive visualization, and (b) explanatory text to accompany the interactive visualization. Text should include the names of team members, the visualization's goals, its intended audience, and the data source(s). This may be included as an About page or integrated with the visualization itself, as appropriate.

Please use the I School web servers for the final project if possible. (Instructions for using your I School web site are under Coursework/Additional Resources.)   Each group is expected to share a description, link, and screencapture image of their project through the I School Projects page for posterity: https://www.ischool.berkeley.edu/node/add/stpr. Please do select the course and section. Students who use Amazon or another service that will not remain live are expected to make a video walkthrough of the site and to include this in their post.

Final Papers (Week 15)

The final paper will be very brief. You must include the URL for the final version of the project web site and a breakdown of which group members undertook which tasks. Include any additional information you would like your instructor to be aware of, changes you would have made if you had more time, such as information you didn't have time to include in the final presentation or changes you made in the last week, since the in-class demo. Here is a sample final paper.

Grading for Final Projects

Your instructor will consider the final presentations, the web site, and any additional information you provide in the final paper in determining a single grade for the final project.

12 points - Is the final product of appropriate form?

12 points - Does it successfully solve a problem or inform the user?

12 points - Is the explanatory text clear?

12 points - Did you show substantial iteration?

10 points - Can the visualization be understood without too much effort?

10 points - Is it aesthetically pleasing?

10 points - Did you include results of usability testing?

8 points - Did you present data in a novel way?

8 points - Did you explain your choice of tools?

6 points - Did everyone in your group participate?

Example Projects from MIDS Classes

2014

http://courses.ischool.berkeley.edu/ds209/su14/

Example Projects from MIMS Classes

2014

http://people.ischool.berkeley.edu/~cameron/infoviz2014/fire_and_drought/

http://people.ischool.berkeley.edu/~f.hutchinson/wearables-viz-master/dev_web/

http://people.ischool.berkeley.edu/~ruchitarathi/infoviz-final-caw/

http://people.ischool.berkeley.edu/~parvizu/infoviz/howhigh/

http://people.ischool.berkeley.edu/~sophia.lay/infoviz_chinese_keywords/

2013

http://priya-i.github.io/visualize-ao/ (with a little more text)

http://people.ischool.berkeley.edu/~suhani/FoodForThought/about.html

http://sftransithistory.com/