

Lecture 15: Presentation, Interaction, and Case Studies II

In this lecture we will discuss and expand upon topics involved in presentation (choosing how and which infovis elements are to be displayed) and interaction (controlling and understanding the results of changes in successive infovis views). We will apply these ideas to additional case studies of designing interactive information visualization applications.

Goals for the lecture

By the end of the class, you will enhance your ability to:

- Consider options and tradeoffs in designing presentations in infovis applications
- Consider options and tradeoffs in designing interactivity in infovis applications

Reading Assignment

Robert Spence, *Information Visualization*, December 2006.

Required: Chapter 5, Interaction.

Optional: Chapter 4, Representation, for review and reference.

Text and figures are available online from the class Schedule page.

Things to consider as you read

1. What are the essential features of passive interaction, stepped interaction, and dynamic interaction?
2. Are the ideas in this chapter relevant to your project?
3. How would you apply them?

Reflection questions

These questions are to help you think more broadly about what you've read and its relationship to the class. It is optional, but strongly encouraged, that you answer them and email your answers to info424@gmail.com to aid in discussion in class. Email must be received by 11 am on the day of the class.

1. Consider a travel scheduling website like www.travelocity.com (air) or www.transit.metrokc.gov (bus). What sorts of sensitivity information would be valuable to users? How you would display it?