

Assignment Instructions

Assignment #3

Part I: Due 6pm Tuesday, February 26, 2008

Part II: Due 6pm Monday, March 3, 2008

Graphical Deconstructions and reconstructions

Note: This assignment is to be done in pairs. If you do not have a partner, please post a message to the forum on bspace.

Part I

Find a plot on <http://www.swivel.com> or <http://services.alphaworks.ibm.com/manyeyes/home> Choose a plot that:

- shows data on a topic that interests you
- that you think you can improve upon

Post the url to the plot that you have chosen on the class wiki in bspace. There are instructions on the wiki for how to make your posting.

Part II

A. Deconstruction

1. Describe the data used in the plot
2. Describe the plot using the terminology introduced in class
3. Briefly explain what you think the point is attempting to make

B. Reconstruction

1. Provide at least two examples from Wainer's dirty dozen that are in the plot that you chose.
2. Reconstruct the plot in R, where you fix these two problems.
3. Improve upon the plot by adding additional data or more features to it.
4. Briefly explain how your new version of the plot makes a clearer, more informative observation.

What to turn in:

You are to write an html page with the following information: your responses (explanations, descriptions, etc) to the seven responses in Part II; three images: a) the original image from the website, b) the image from the first reconstruction (B.2), and c) the image with the additional information (B.3); urls to any information (including data) that were used in the assignment.

A template for the html page will be provided. You may use this template, or start from scratch, but you are to write your html using a plain text editor (not Word, nor a WYSIWYG html editor).

Place your html page, image files, data, and code in a folder called s133xxxx, where the xxxx is the concatenation of the two two-letter suffix for your class accounts (you and your partner). Name your html file, index.html.

Be sure to use relative paths to the images etc. in your html file.