

Minimizing Pixels: Web-delivered Visualization Lessons

Graham Wills

Bell Labs

The web's been around for a few years now and yet we don't see many interactive visual displays of data on the web. Why is that? Is inertia the reason or is that current methods just don't work?

Our Visualization group in Bell Labs has been developing a library to build visualizations of data to be presented within browsers. There are many technical challenges associated with such an effort, but from a research perspective amongst the most interesting questions are ones such as:

- * Is there a practical difference in designing for the web?
- * What interactions is possible, desirable, or necessary?
- * What are the limits for data size and update frequency?

In this talk I'll draw on our experiences in building visualizations both for internal customers and as trial services to explore these questions and report our successes and failures.