LAST WEEK ON IO LAB

Project 3 on the semantic web was due today at noon. Be ready to demo and discuss in class today.

HTML 5 and friends: localStorage, navigator.geolocation, CSS transitions,

In-class exercise using Freebase or microformats on Upcoming.com and Corkd.com.
PROJECT 3
DEMONSTRATIONS
PROJECT 4
Social & Distributed Classification
PROJECT 4
Social & Distributed Classification
The Super Mario Bros infinite 1-up

In a recent interview for the 25th anniversary of Super Mario Bros., Mario's baby daddy Shigeru Miyamoto revealed that the infinite 1-up trick was included in the game on purpose but that the minus world was a bug.

"We did code the game so that a trick like that would be possible," Miyamoto revealed. "We tested it out extensively to figure out how possible pulling the trick off should be and came up with how it is now, but people turned out to be a lot better at pulling the trick off for ages on end than we thought." What about the famed Minus World? "That's a bug, yes, but it's not like it crashes the game, so it's really kind of a feature, too!"

By Jason Kottke  ·  Oct 28, 2010  ·  Post to Twitter  ·  interviews  ·  Nintendo
Shigeru Miyamoto  ·  Super Mario Bros  ·  video games

SOCIAL VS. INDIVIDUAL
CLASSIFICATION SCHEMES
GRAPHING DELICIOUS
TAG FREQUENCY
VISUALIZATION

Minard’s Napoleon
VISUALIZATION GOALS

Exploration

Communication
GRANULARITY

Don’t store too many data points in too few pixels.

5 pixels per data point

2.5 pixels per data point

1.3 pixels per data point

less than 1 pixel per data point
Canvas
Raster
2004 (Apple)
IE requires a plugin
Scripted bitmaps

SVG
Vector
1999 (W3C)
IE requires a plugin
Declarative XML
INTERFACE OPTIONS

- Write raw XML or canvas code
- Use a visualization library
- Use a chart and graph library
Google Chart API
Google Chart API

A simple bar chart
r.g.barchart(10, 10, 300, 220,
[[55, 20, 13, 32, 5, 1, 2, 10]],
0,
{type: "sharp"});
PROTOVIS
Minard’s Napoleon
vis.add(pv.Bar)
  .data([1, 1.2, 1.7, 1.5, .7, .3])
  .width(20)
  .height(function(d) d * 80)
  .bottom(0)
  .left(function() this.index * 25);

PROTOVIS
A simple bar chart
FOR NEXT WEEK

Find a group for project 4.
New people. They’re out there.

Intermediate Course Evaluation.

Visualization Tools. In-browser technologies and libraries: SVG, canvas; Protovis, Rafael, Flot, and others.