Many Eyes

For 21st century math, April 24, 2013. Irene Greif
Many Eyes Overview

- Anyone can upload any spreadsheet or text data
- 2 dozen interactive visualizations easily map onto data
- Everyone can interact, snapshot, comment and share

- www.many-eyes.com
Visualization techniques

Stack graph

Line graph

Bar chart

Scatterplot

US Map

World map

Block histogram

Bubble chart

Pie chart

Treemap (2 types)

Stack graph for categories

Network diagram
Anonymous says:
What is this spike in housing assistance?
Posted Wednesday January 10, 8:34 PM [ edit | delete ]
see view for this comment
Movie Genres
Fuel Efficiency 1: Organized by Manufacturer
Fuel Efficiency 2: Organized by Transmission
Visualizations: Survival on Titanic by Class and Gender

Uploaded by: wyplep
Created at: Apr 5 2012

Description: This graph shows proportions of survivors and the dead on the wrecked ship Titanic among different classes of passengers of both sexes. In all classes more women than men survived. Generally in both sexes the passengers of higher classes had a better chance of survival, with the exception among men where a larger proportion of male third-class passengers survived compared to male second-class ones.
Happiness

Visualizations: Happiness to Per Capita Income

Uploaded by: Anonymous
Created at: Apr 23 2012
Description: The title is somewhat self-explanatory, isn’t it?
Tags: income capita global per gross happiness nations
Uses in Education

• Replace hand drawing graphs (and they are interactive too)
• Engaging explorations
• Collaboration
• Hypothesis formulation (then use statistics)

• Issues:
  – Too open?
  – Time for teachers to learn?
Beyond Many Eyes

• Some recent business visualizations that might apply to education
Sellerscope

• Analyzes sales force for who will make quota, who might leave, correlation to other qualities (time in jobs, et.)

• Imagine: analyze student population, identify at risk to fail, to drop out, and see correlations to other aspects of their learning style and experience
SellerScope
Social Pulse

Uses sentiment analysis – more typically used for marketing and customer relations – to understand the workforce state of mind.

Improves on employee satisfaction surveys:
- ongoing, not twice a year
- you can drill down to source comments and find out what business problem led to bad sentiment.

Imagine: do the same to understand how students are reacting to course (perhaps more relevant to MOOCs than K-12).
Social Pulse