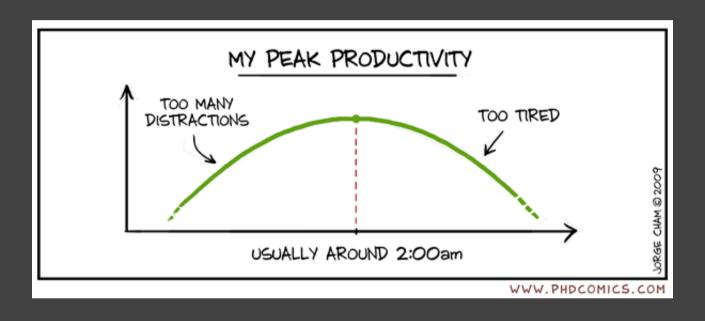
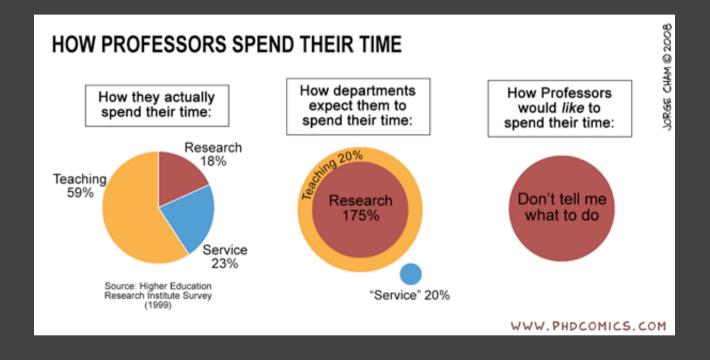
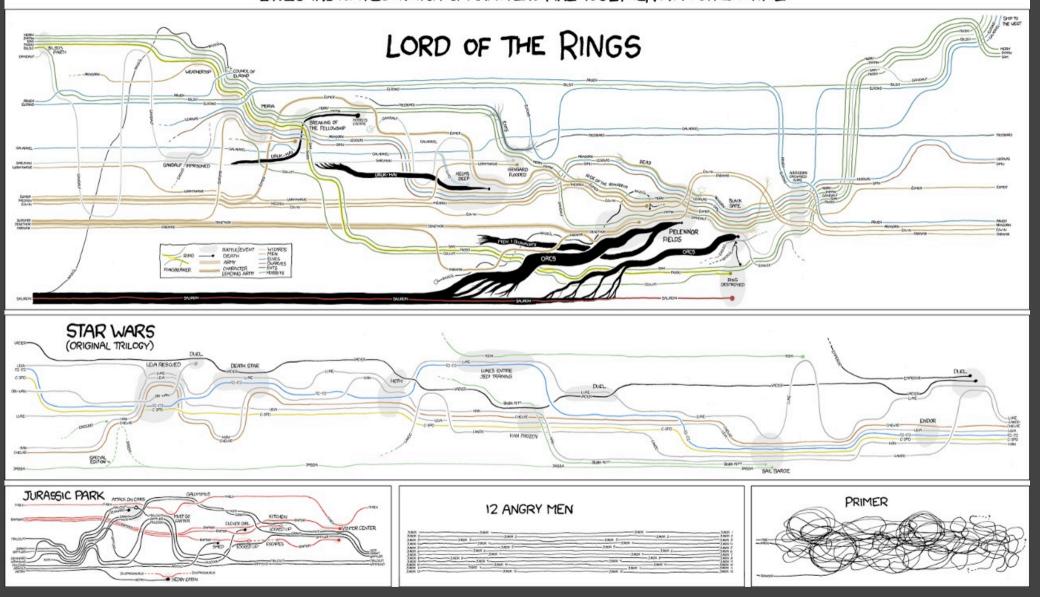
visualization for the masses





THESE CHARTS SHOW MOVIE CHARACTER INTERACTIONS.

THE HORIZONTAL AXIS IS TIME. THE VERTICAL GROUPING OF THE LINES INDICATES WHICH CHARACTERS ARE TOGETHER AT A GIVEN TIME.



to see full comic go to http://xkcd.com/657/

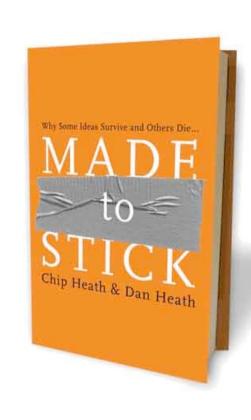
visualization for the masses

Recap of this talk

- NameVoyager
- Many Eyes
- Visualization as a community component

in conclusion, make it *a success*

SUCCESs



- Simple
- Unexpected
- Concrete
- Credible
- Emotional
- Stories

Conclusion

Accessible

- Simple
- Unexpected
- Concrete
- Credible
- Emotional
- Share-able
- Stories

thank you!

Wattenberg (2005)

Baby names, visualization, and social analysis

Motivations

- Simple visualization for wife's book
- Wanted to find out why it became an instant hit
- Hoped to begin discussion on social data analysis

Proposed solution

- Name visualization
- Stacked chart with smooth transitions
- Very simple interaction
- Informal post-hoc analysis

Evaluation

- Looked at what people had to say
- Hypothesized success from
 - Target audience
 - Surprise factor
- Roles of social exploration
 - Achievers, Socializers, Explorers, Killers

Contributions

- A really cool visualization that many people have liked and used
- Design hypothesis for social data analysis
 - Common ground but unique perspective
 - Expressive spectator interface
 - Discovery transfer
- Started discussion on roles in social data analysis

a success?

Viegas et al (2007)

Many Eyes: A Site for Visualization at Internet Scale

Motivations

- Wanted an open environment for visualization collaboration
- Desired to improve upon other collaborative tools, and existing website limitations
 - Ease of use
 - Interaction
 - Visualizations
 - Availability / Accessibility

Proposed solution

- Web 2.0 online tool (YouTube for visualizations)
- Open data structure
- Easily share-able visualizations
- Built in tools for collaboration
- Extremely simple, well thought out design
- Uses non-complex paradigms
- Interactive
- Flexible, built-in visualizations

Contribution

- Tool that allows people all around the world to collaborate on data
- Tool that is compelling to watch as it is to drive
- Furthered discussion on asynchronous collaboration
- Discussed design principles for a general audience

Danis et al (2008) Your Place or Mine? Visualization as a Community Component

Motivation

- See what people were doing with Many Eyes
- Discover why a site that didn't hit "critical mass" still became widely used
- Determine visualization's role in the community

Evaluation

- Detailed interviews with 20 random users
 - Bloggers versus non-bloggers
- Looked at logs

Contribution

- Visualization to prime discussion elsewhere
- Insight from interviews
 - Learn-ability
 - Usability
 - Motivations
 - Explore, Collaborate, Communicate, Teach
 - Conversation and commentary
 - Concerns about public data and privacy

a success?

the big picture...

Recap of this talk

- NameVoyager
- Many Eyes
- Visualization as a community component

Take home guidelines

Accessible

- Simple
- Unexpected
- Concrete
- Credible
- Emotional
- Share-able
- Stories

thank you!

Go try them out!

NameVoyager

http://www.babynamewizard.com/voyager

Many Eyes

http://manyeyes.alphaworks.ibm.com/manyeyes/