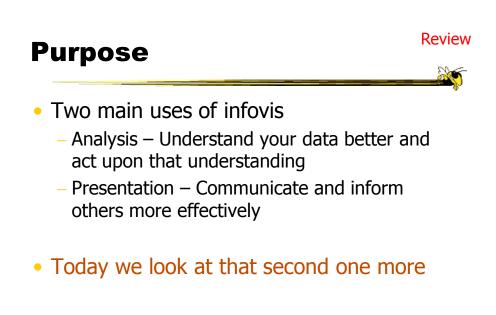
Topic Notes

Storytelling in InfoVis

CS 7450 - Information Visualization October 3, 2012 John Stasko



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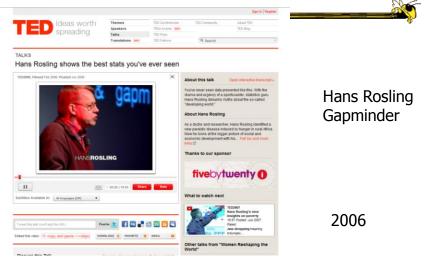
Telling Stories

- Data visualization can help to communicate ideas, summarize, influence, unite, explain, persuade
- Visuals can serve as evidence or support

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A Famous Example



http://www.ted.com/index.php/talks/hans_rosling_shows_the_best_stats_you_ve_ever_seen.html

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Discuss

• Why has this had such a big impact?

Characterizing the Area

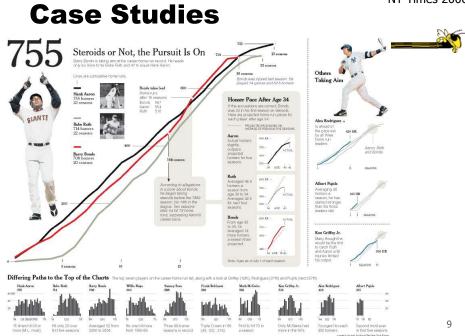
- Studied storytelling: Described topics as "Narrative Visualization"
 - How does this differ from traditional forms of storytelling
 - Reviews the design space
 - Characterizes genres
 - Describes a framework

		Segel & Heer TVCG (InfoVis)`10
all 2012	CS 7450	7

Fa

Thoughts?

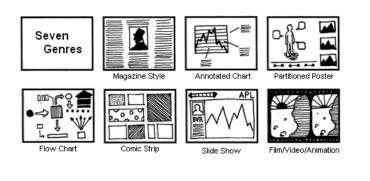
Discuss



Design Space

- Genre
- Visual Narrative
 - Visual structuring
 - Highlighting
 - Transition Guidance
- Narrative Structure
 - Ordering
 - Interactivity
 - Messaging

Genres



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Observations

Clusters of different ordering structures

• Consistency of interaction design

Under-utilization of narrative messaging

Approach

- Author-driven vs. reader-driven
- Common patterns
 - Martini glass
 - Interactive slideshow
 - Drill-down story

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http://thevcl.com/storytelling/

http://flowingdata.com/2010/11/11/telling-stories-with-data-a-visweek-2010-workshop/

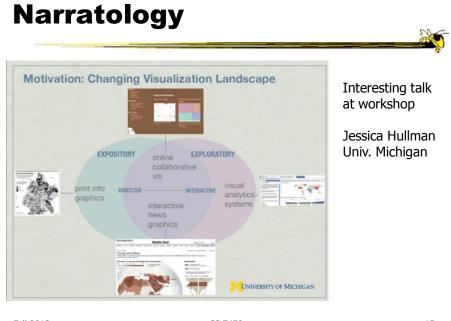
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http://thevcl.com/storytelling/docs/jessica_hullman.pdf

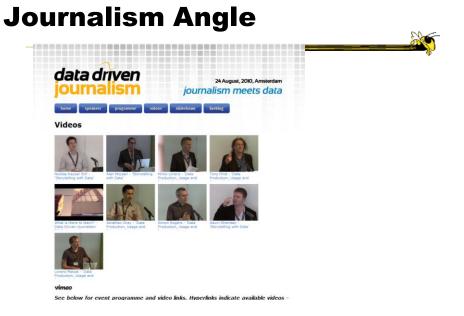


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http://datadrivenjournalism.net





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Journalism in the Age of Data



Some Examples

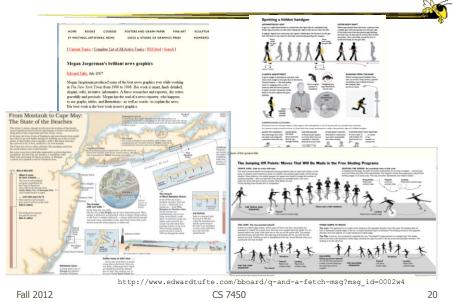
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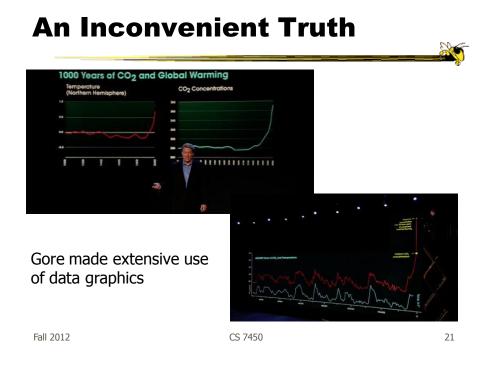
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News Stories

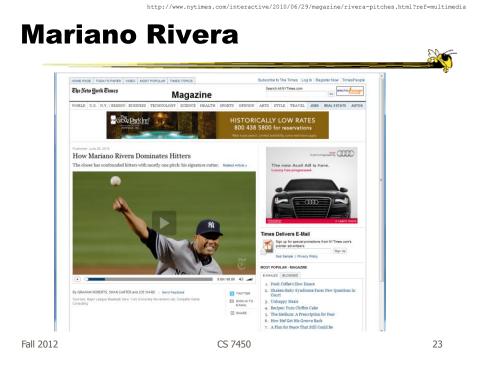
Tufte praises the work of Megan Jaegerman at NY Times







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http://www.cnn.com/homeandaway

Casualties of War



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VisualEyes

http://www.viseyes.org



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The President Going Interactive

2011 State of Union Address



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Data Matters



http://www.ted.com/talks/david_mccandless_the_beauty_of_data_visualization.html

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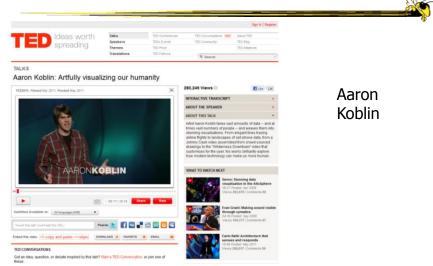
http://www.informationisbeautiful.net/

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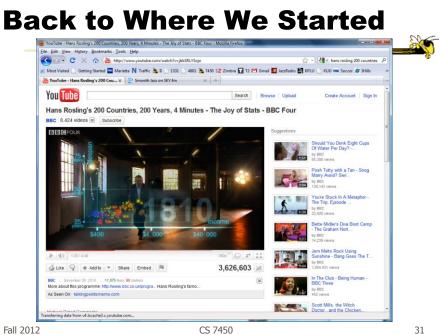
More Visualization Stories



http://www.ted.com/talks/aaron_koblin.html

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http://www.youtube.com/watch?v=jbkSRLYSojo



Questions

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 How do these types of visualizations differ from "traditional" infovis?

Questions



- Would you characterize these as information visualizations?
 - Consider some of the different examples

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HW 5

- Commercial systems review
 - Any questions?
- Due next Weds Oct 10

Upcoming

- Guest speakers
- Overview and Detail
 - Reading:
 Bederson et al `04

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