

READING RESPONSE: QUESTIONS/THOUGHTS

When we were speaking about using interactivity with *the zipcode finder*:

I found myself wondering **how you know if you should include an aspect of interactivity**. There was mention of people often not actually using interactive features especially when it is unclear what question that feature is supposed to answer.

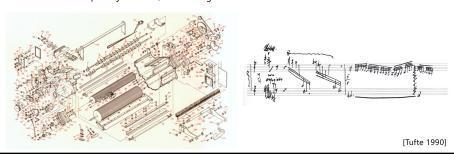
Additionally, oftentime interactivity seems to be used just to increase engagement or make a visualization more stimulating, but not necessarily more expressive. How do you know when a visualization would benefit from interactivity rather than using multiple graphs, and if you do decide to use an interactive feature how do you encourage users to use it in the correct manner?

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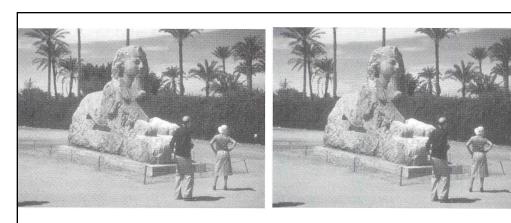
The reading on layering and separation was likewise interesting, there was an example, in which vertical box and whisker plots were minimized to vertical lines and dots that represented the averages. While I agree that this reduces the noise in the plot, it makes comparing the plots much harder. ... where should we draw the line between reducing noise and oversimplifying a visualization?

... a question that I have is: would drawing a diagram or map in 3D be another effective way to layer information? I imagine that the extra layer of depth and perspective can enhance the sense of relation between multiple objects. If so, is modeling a visualization in 3D feasible?



CHANGE BLINDNESS

5



Example from Palmer 1999, originally due to Rock









https://www.csc2.ncsu.edu/faculty/healey/PP/

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SUMMARY

Choosing effective visual encodings requires knowledge of visual perception

Visual features/attributes

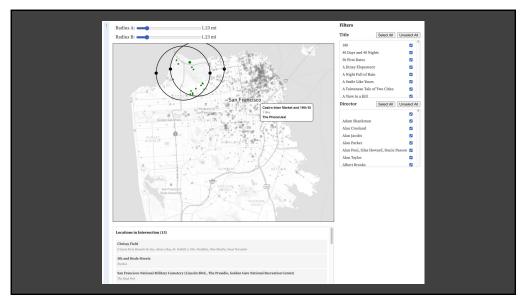
Individual attributes often preattentive Multiple attributes may be separable, often integral

Gestalt principles provide higher level design guidelines

We don't always see everything that is there



ASSIGNMENT 3: INTERACTION Due 10/27 10:30am Create a small interactive dynamic query application similar to HomeFinder, but for San Francisco film locations. 1. Implement interface 2. Submit the application as a website and a short write-up on canvas Can work alone or in pairs



Learning Objectives 1. How stories are constructed in journalism and especially with data. 2. Using interactivity and sequencing to visually convey narrative.

STORYTELLING

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ALL MEDIA TELL STORIES

PEOPLE TELL STORIES

WORDS TELL STORIES

IMAGES TELL STORIES

COMICS TELL STORIES

MOVIES TELL STORIES

VISUALIZATIONS TELL STORIES

narrative (n): An account of a series of events, facts, etc., given in order and with the establishing of connections between them

"... require[s] skills like those familiar to movie directors, beyond a technical expert's knowledge of computer engineering and science."

- Gershon & Page '01

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August 26, 201

Generals Wary of Move to Cut Their Ranks By GINGER THOMPSON AND THOM SHANKER

WASHINGTON — Maj. Gen. Paul D. Eaton, a retired Army officer, is familiar with the perks and pitfalls of power, having commanded tens of thousands of troops at Fort Benning, Ga., managed budgets exceeding \$2 billion in Iraq, and overseen layers upon layers of staff members who helped manage both his professional duties and his personal life.

He has experienced the full range of lifestyles that come with military leadership, living at one point in an elegant antebellum mansion, and at another, with eight other officers crowded in a marble bathhouse behind one of Saddam Hussein's old palaces.

When he traveled, he was occasionally able to justify the use of military aircraft, but most times, he said, he flew coach. And today he lives on a pension worth 75 percent of his military salary, with health benefits that cover everything except dental and eye care for himself and his wife.

"We are well compensated, and we live very comfortable lives," General Eaton said, referring to the military's most senior leaders. "But when you look at all the things going on around a general, the nation is getting a very, very high return on its money."

Not everyone at the Pentagon agrees. Two weeks ago, Defense Secretary Robert M. Gates announced a sweeping effort to improve efficiency that, among other things, takes aim at the military's sacrosanct corps of generals and admirals, ordering his staff to cut at least 50 positions, and making clear that he would be happier if they cut more.

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Anecdotal Lead (1st paragraph called Lede)

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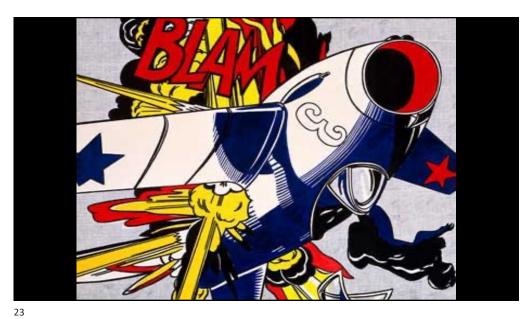
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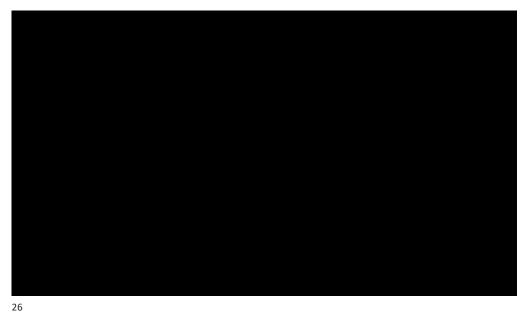
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10/22/25









Montage / editing

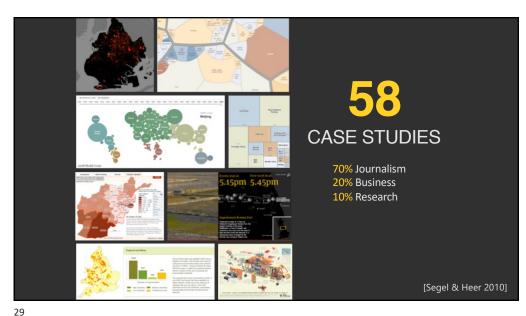
- Prescribed order
- Where you look explicitly directed
- Little reader/viewer agency

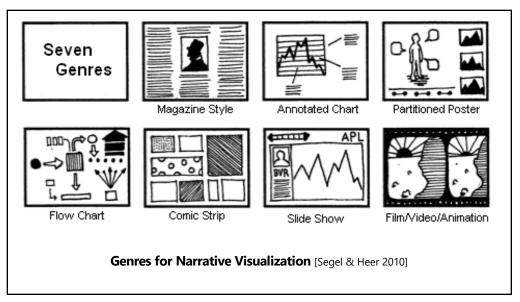


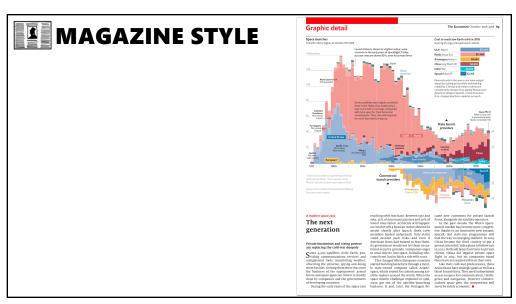
Ensemble staging / direction

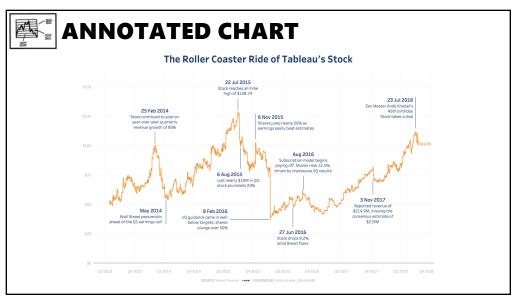
- Less prescribed order
- Salience, structure nudges you to look
- More reader/viewer agency

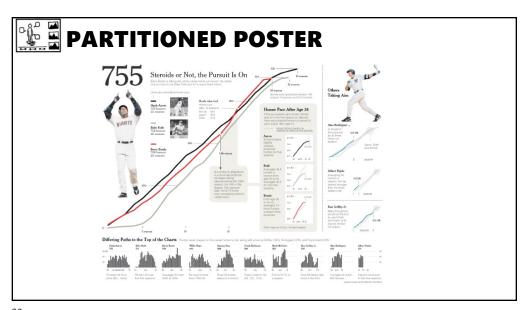
DESIGN SPACE OF NARRATIVE VISUALIZATION

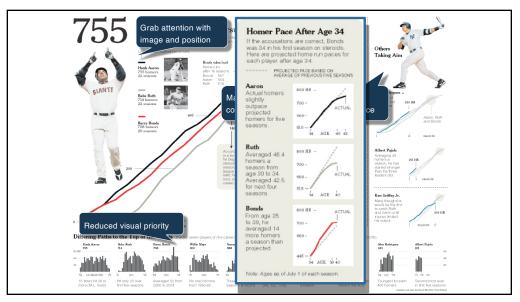


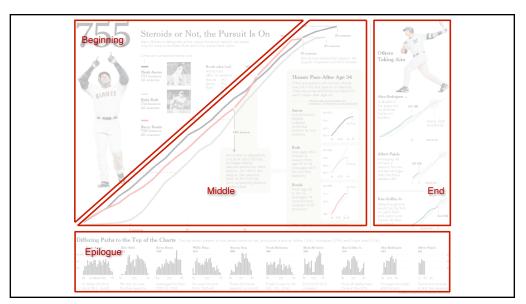


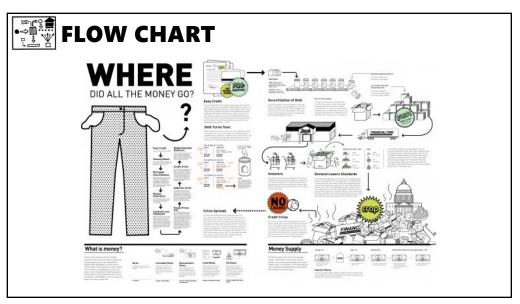


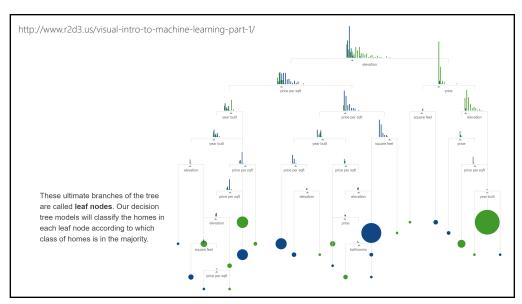


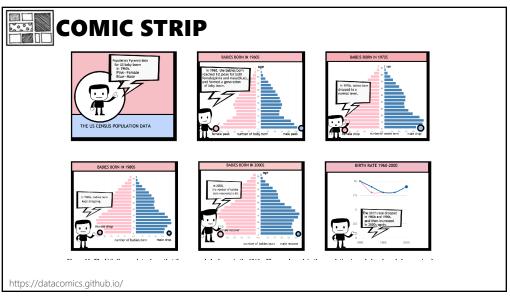


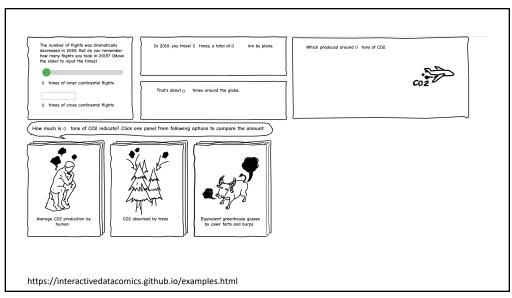


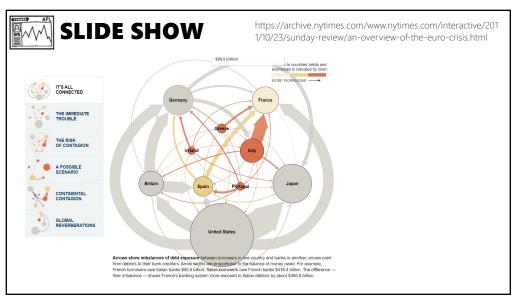


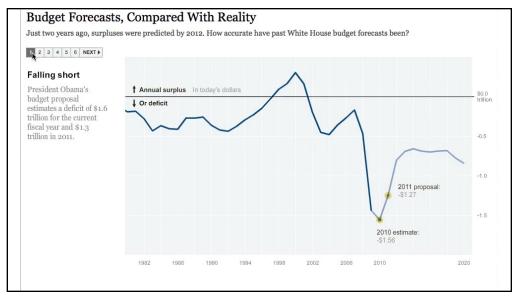


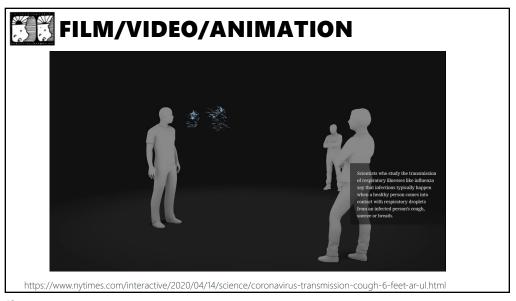




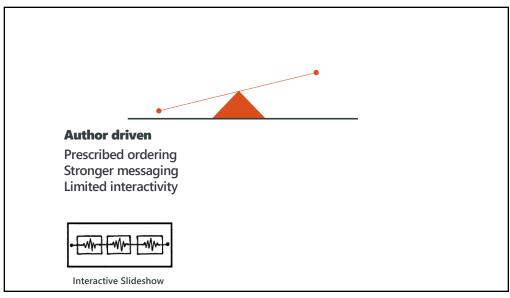


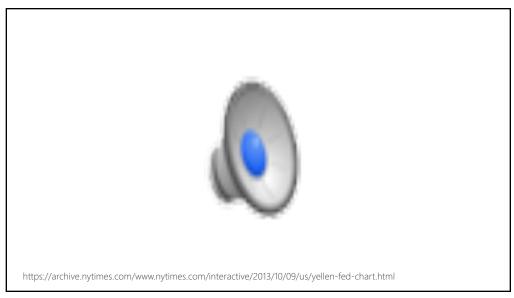


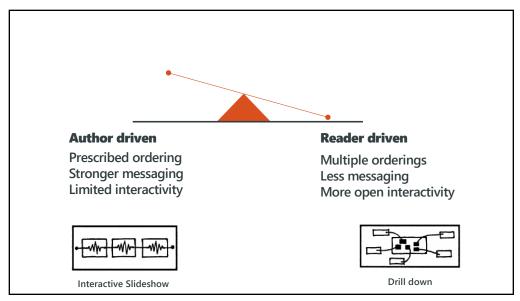




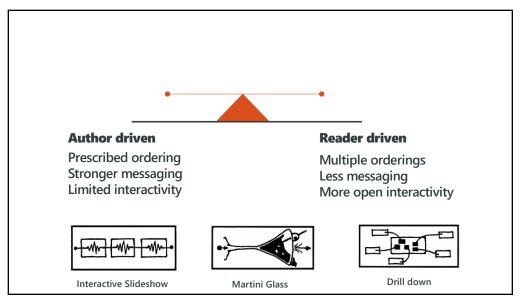


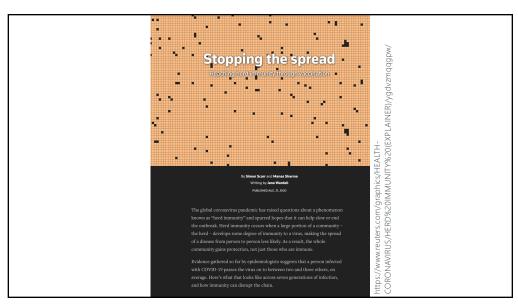


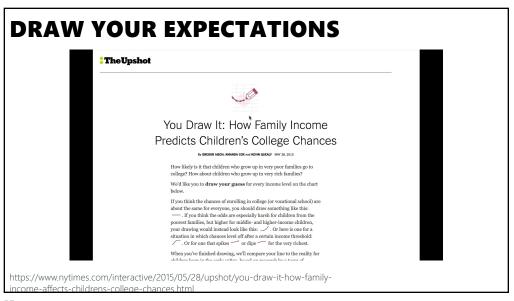




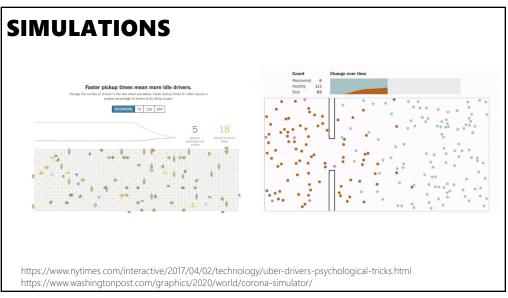


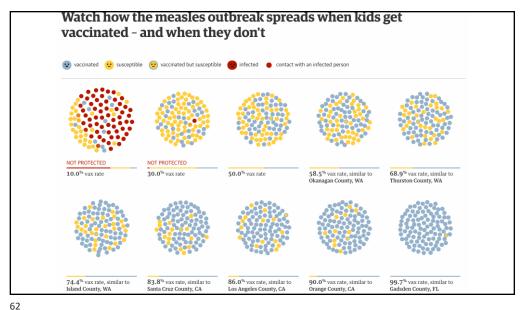


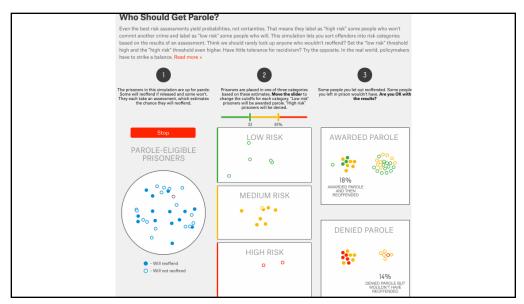








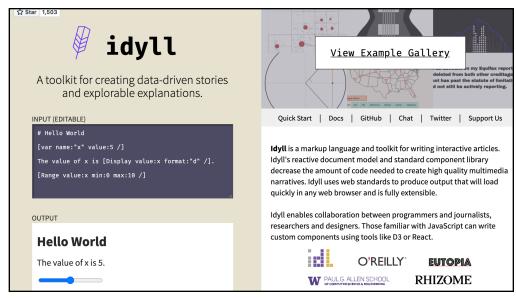






6.5





SUMMARY

Narrative visualizations blend communication via **imagery and text** with interaction techniques

Specific strategies can be identified by studying what expert designers make

Tools to facilitate construction of effective explainers is an active area of Visualization research