

The impact of technology on information design in journalism

IPAM Workshop II

Culture Analytics & User Experience Design
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infoviz for communication

Aimed at **communicating information to specific audiences**, such as experts (e.g., in journals or proceedings) or general audiences (e.g., in news media).



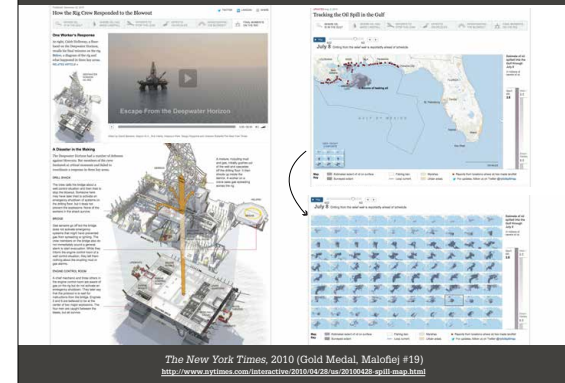
How
phenomena happened



What, Where, When, Who, How many
phenomena happened

How

What, Where, When, Who, How many

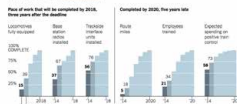


Investigating the Philadelphia Amtrak Train Derailment

Investigators are trying to determine what caused a New York-bound Amtrak train to jump the tracks on May 14, 2015. (AP Photo/Phil Kessel)

Slow Progress Installing Safety System on Freight Lines

Safety investigators and positive train control — technology designed to automatically slow or stop a train — might have prevented the Philadelphia derailment. Congress has mandated that all rail lines have the system by year's end. But meeting the deadline has been a challenge for right major freight lines. (Associated Press)



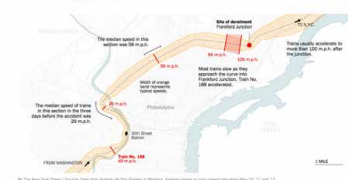
By The New York Times (Source: Association of American Railroads)

Train's Speed Was Normal Until Minutes Before It Derailed



The New York Times, 2015 (Silver Medal Breaking News, Malofej) #24)
http://www.nytimes.com/interactive/2015/05/13/us/investigating-the-philadelphia-amtrak-train-crash.html?_r=0

Train's Speed Was Normal Until Minutes Before It Derailed



By The New York Times (Source: State Police and the Federal Railroad Administration. Images taken from closed state from May 13, 2015, and 14.)

The New York Times, 2015 (Silver Medal Breaking News, Malofej) #24)
http://www.nytimes.com/interactive/2015/05/13/us/investigating-the-philadelphia-amtrak-train-crash.html?_r=0

Train Was Going Twice the Speed Limit

The train derailed at about 10 p.m. along a curved stretch of track about eight miles from where the crash left the Amtrak train in Philadelphia. An official with the National Transportation Safety Board said the train was traveling at about twice the speed limit when the engineers applied the brakes. (Associated Press)



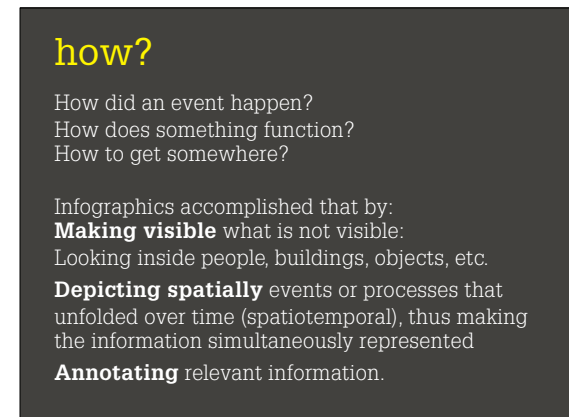
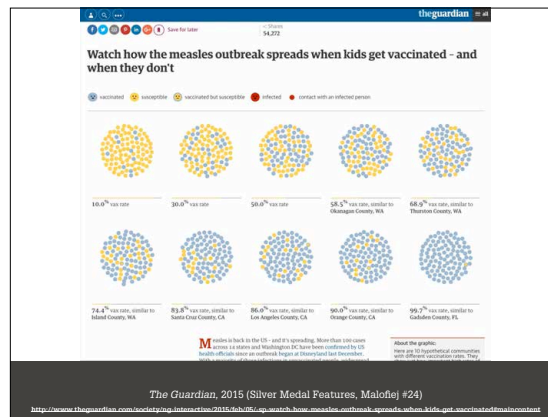
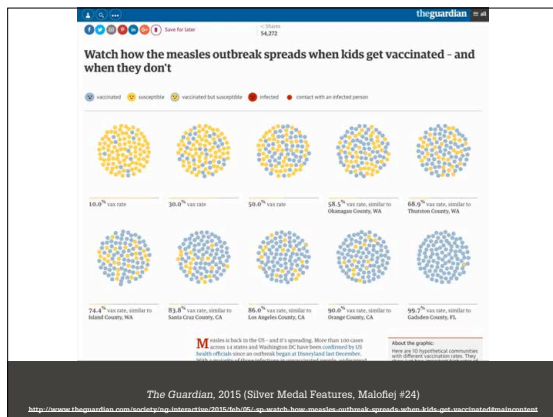
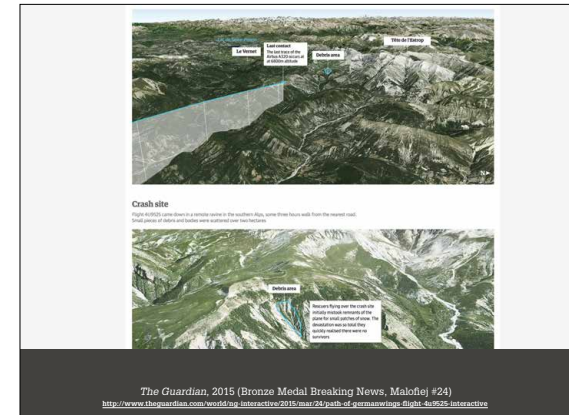
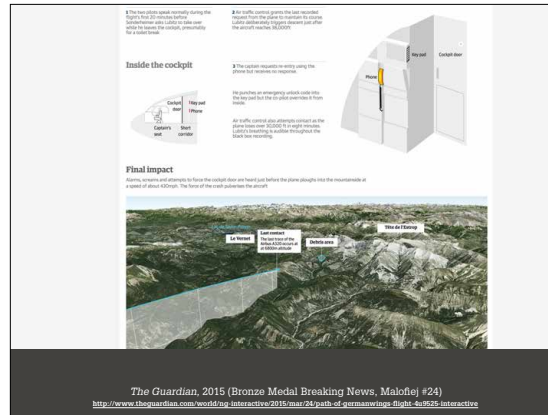
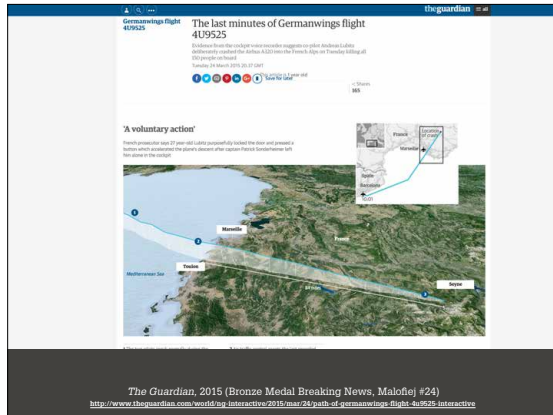
By The New York Times, and photo by Associated International

A Scene of Devastation



The engines pulling the train derailed from the passenger cars and cars by and derailed under another set of tracks.

The New York Times, 2015 (Silver Medal Breaking News, Malofej) #24)
http://www.nytimes.com/interactive/2015/05/13/us/investigating-the-philadelphia-amtrak-train-crash.html?_r=0



how?

How did an event happen?
 How does something function?
 How to get somewhere?

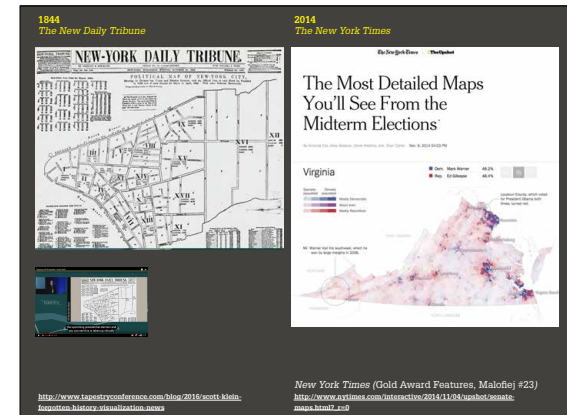
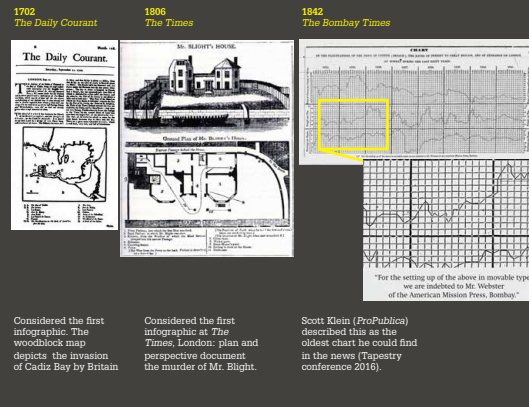
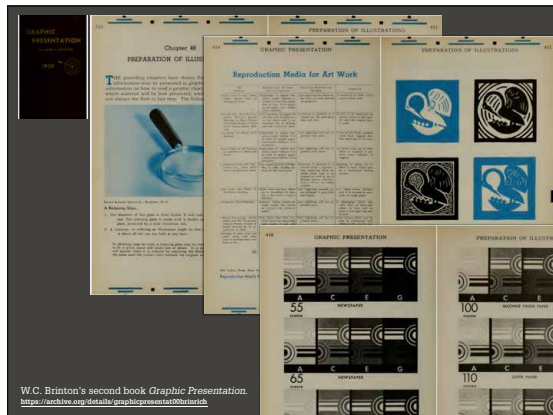
Infographics accomplished that by:
Making visible what is not visible:
 Looking inside people, buildings, objects, etc.

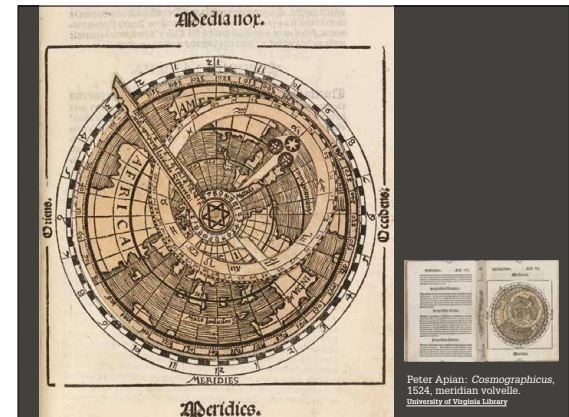
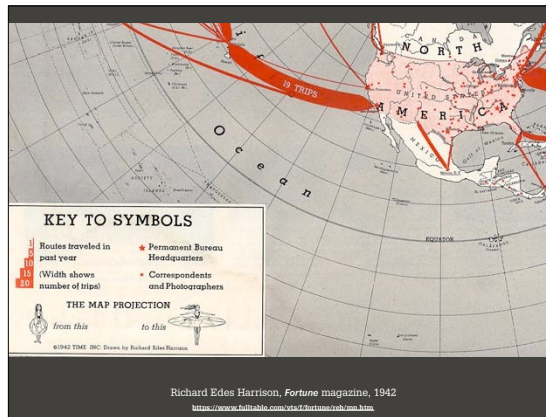
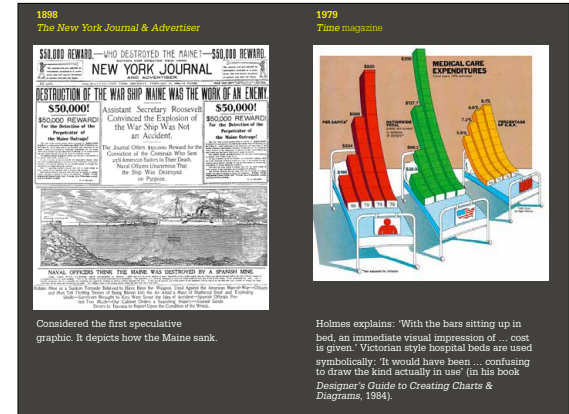
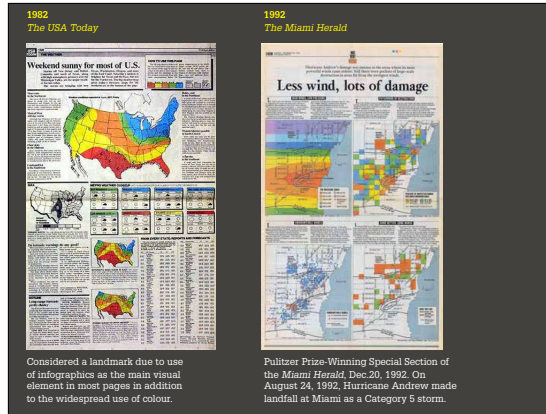
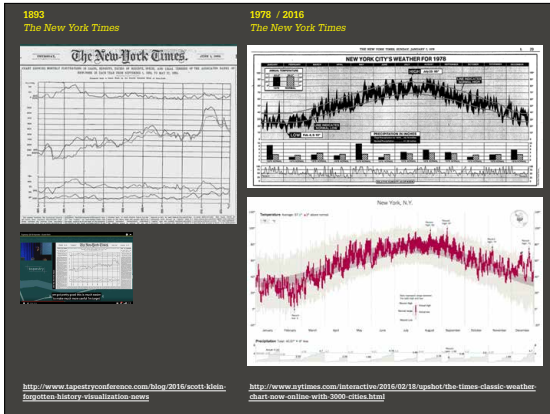
Depicting spatially events or processes that unfolded over time (spatiotemporal), thus making the information simultaneously represented
Annotating relevant information.

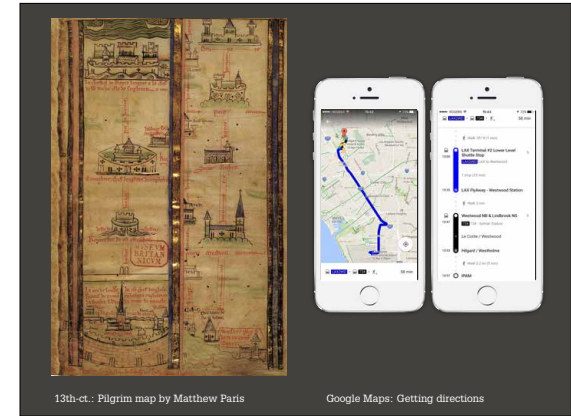
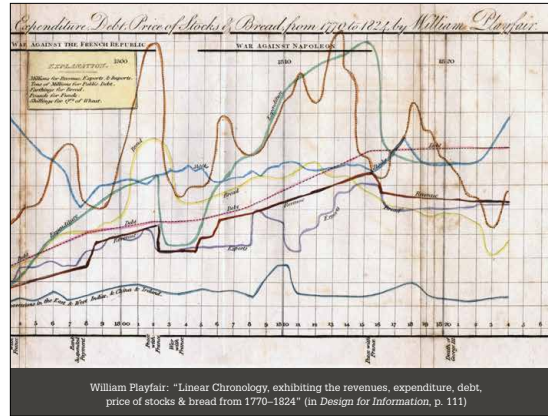
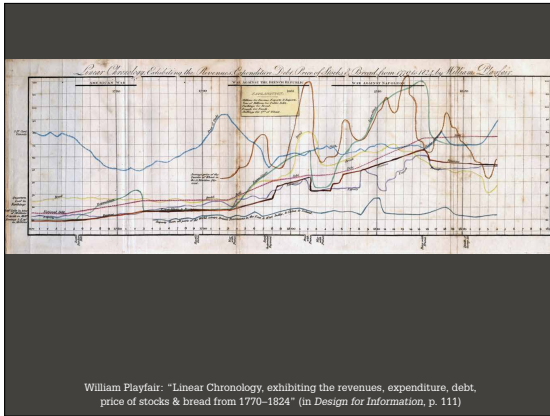
The impact of technology on information design in journalism

The impact of technology *of reproduction* *of readership* on information design in journalism

technologies: reproduction







technologies: reproduction



1741
Gottfried Hensel:
Europa poly glotta



2011
Eric Fischer:
Language communities of Twitter



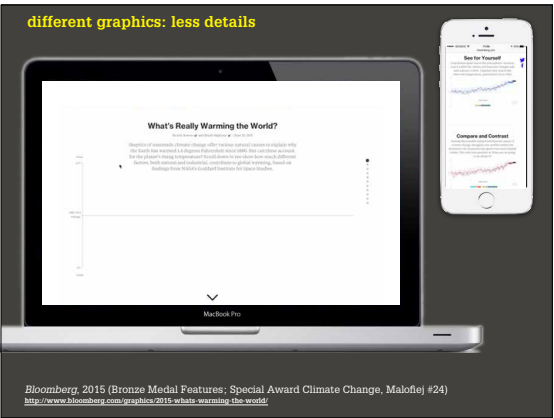
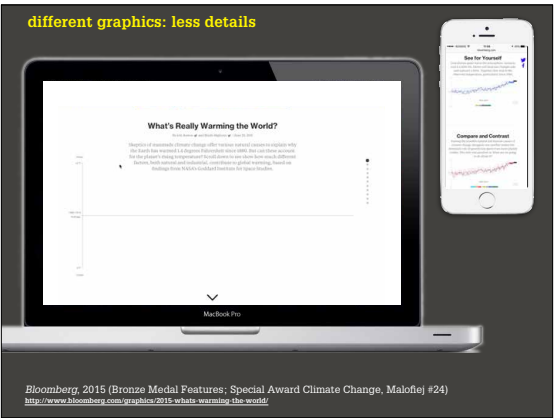
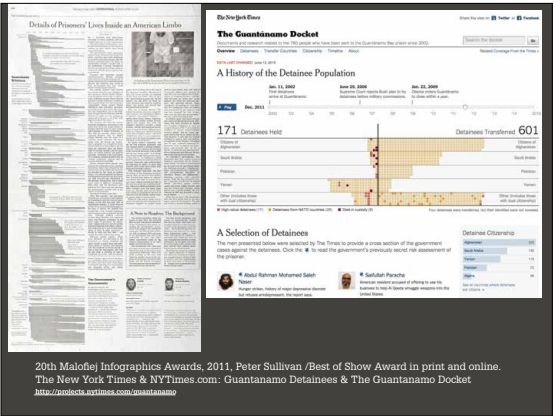
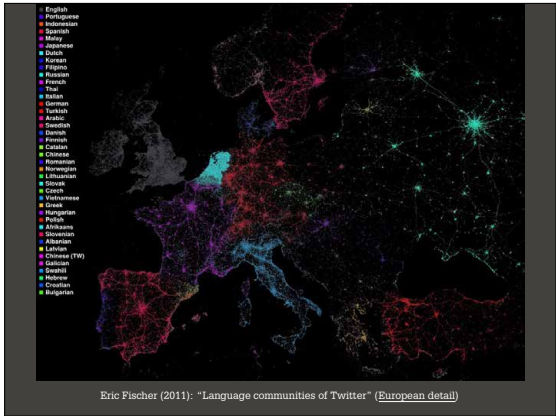
2013
The New York Times:
How Y'all, Youse and You Guys Talk



Gottfried Hensel: Europa poly glotta, 1741 (Princeton Library, Historic Maps Collection)



Gottfried Hensel: Europa poly glotta, 1741 (Princeton Library, Historic Maps Collection)



Globalization
Hot is the city

BY STEVE KATZ
Solutions to globalized cities are coming from the suburbs, not from other businesses.

BY STEVE KATZ

FOR THE FIRST TIME, a city's economic health is being measured by the number of people who leave it each day. The new metric, called the "commuter deficit," is the difference between the number of people who leave a city and the number who arrive. It's a measure of the city's economic health, and it's the first time it's been used to measure a city's economic health.

GLOBALIZATION HAS created a handful of megacities, that attract people and ideas from all over the world, almost irrespective of how these national economies are doing. These places, in such places, metropolitan, compare the national economy. In our latest round-up of global housing, we find that prices have risen in 30 of the 40 cities we track, and that the pace is at a historically average pace of 0.5%



Global house prices

Hot in the city

NEW YORK
Volatility in globalised cities are rising much faster than in their hinterlands

1 House prices in their hinterlands

GLOBALISATION HAS created a handful of metropolitan hubs around the world, and cities have been the centre of economic and social life from all over the world, almost irrespective of where these national economies lie. House prices in such places, unsurprisingly, consequently rose much over the past years. In the latest survey of global housing, we find that prices have risen in six of the 10 cities we track over the past years, at an (unweighted) average pace of 6.5%

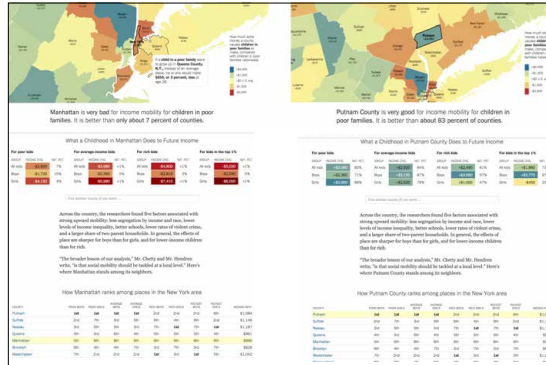
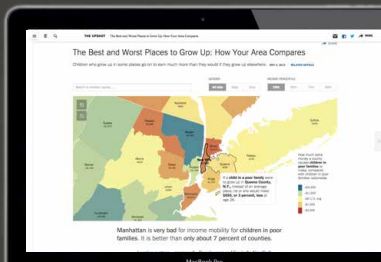
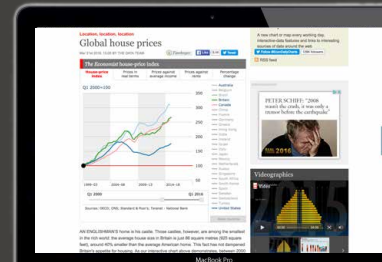


Hot in the city

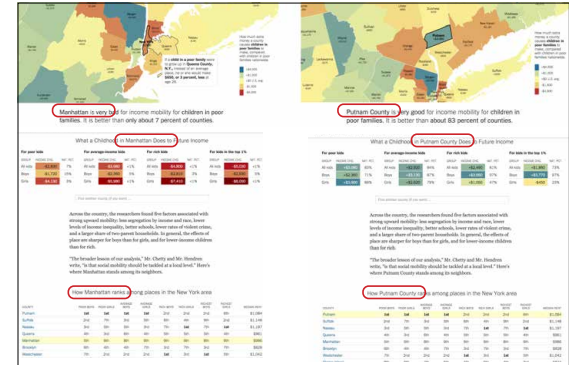
ANALYSIS
Inequality in globalised cities can mean rising costs for the poor

BY ROBERTO ROSENTHAL

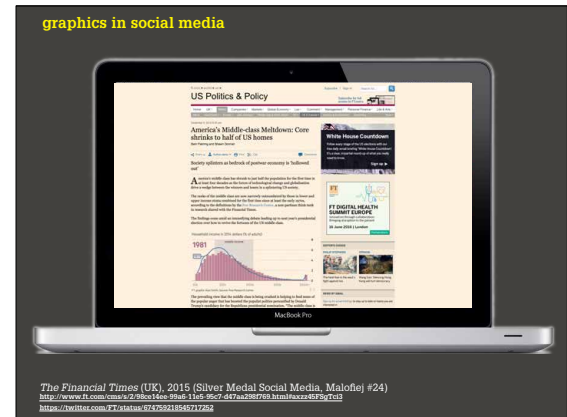
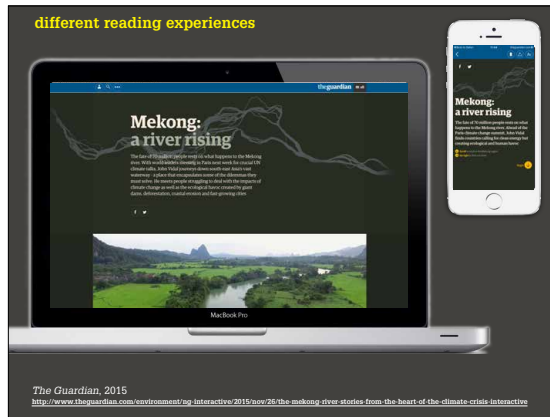
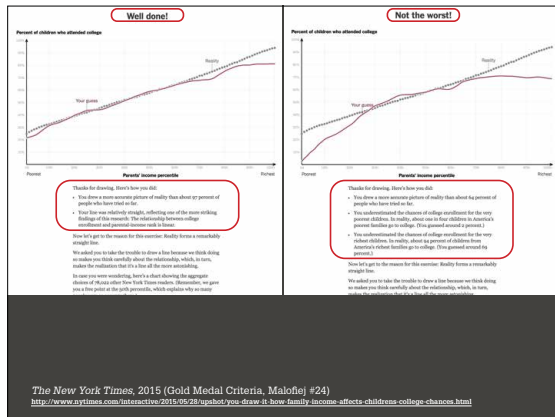
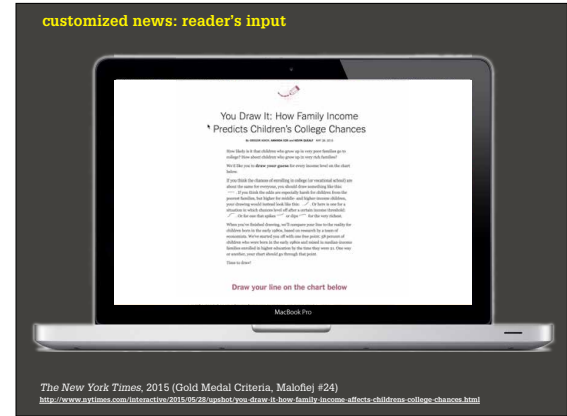
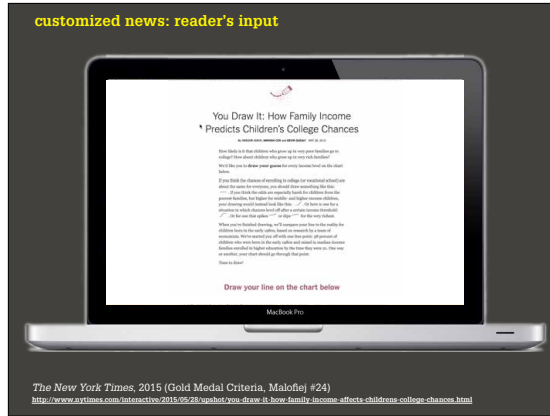
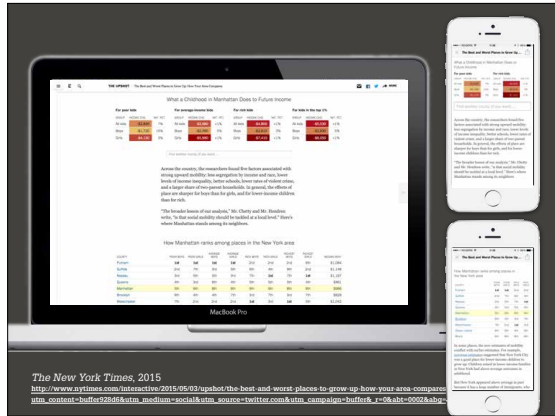
NEW YORK, LONDON AND SYDNEY have created a handful of megacities that attract people, capital and ideas from all over the world, attract transplants of their national economies to them, shape parts of the national identity. In the last decade of global housing, we find that prices have risen in 25 of the 30 countries we track over the past year, at an average/median average price of 1.5%



ly income and race, lower rates of violent crime, and, in general, the effects of and for lower-income children



by income and race, lower rates of violent crime, etc. In general, the effects of the program are positive and for lower-income children.

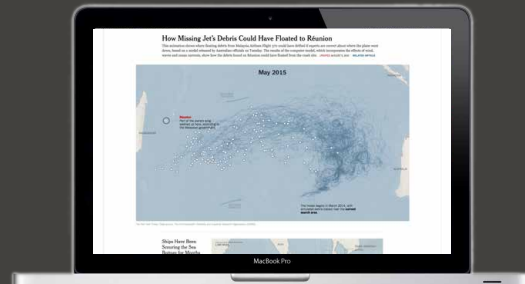


graphics in social media



The Financial Times (UK), 2015 (Silver Medal Social Media, Malofej #24)
<http://www.ft.com/cms/a/3/9/15e-98a6-11e5-96c7-00144fe00000.html#axzz58P9r7c9>
<https://twitter.com/FT/status/6747091854571728>

graphics in social media



The New York Times, 2014 (Bronze Medal Social Media, Malofej #24)
http://www.nytimes.com/interactive/2014/03/17/world/asia/search-for-flight-370.html?_r=0
<https://twitter.com/nytimes/status/62899215449954176>

graphics in social media



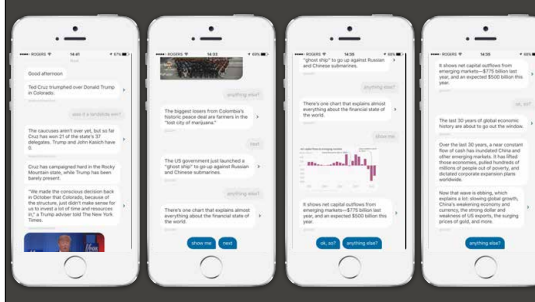
The New York Times, 2014 (Bronze Medal Social Media, Malofej #24)
http://www.nytimes.com/interactive/2014/03/17/world/asia/search-for-flight-370.html?_r=0
<https://twitter.com/nytimes/status/62899215449954176>

graphics in VR



The Los Angeles Times, 2015
<http://graphics.latimes.com/mars-gale-crater/vr/>

"conversation with the news"



Quartz: News in a whole new way iPhone app, 2016
<http://itunes.apple.com/us/app/quartz-news-in-a-whole-new-way/id1076683237?mt=8>



technologies: readership



different graphics

less detailed & included/excluded graphics



customized graphics & news

reader's location (IP) & reader's input



different reading experiences

device specific design



new technologies: VR graphics



social media graphics + apps

based on the reader's location (IP)

Information+
Schedule + Speakers

June 10-18, 2016
Emily Carr University of Art + Design
Vancouver, BC, Canada
@infoPlusConf

We will announce the schedule soon. Below is a list of invited and contributed presentations.

KEYNOTE SPEAKERS

Tamara Munzner
Visualization Analysis and Design

Colin Ware
Visual Thinking about Data: The Cognitive Thread, Interaction and the Visual Query

INVITED SPEAKERS

Gregor Alsch
Catherine D'Ignazio
Creative Data Literacy: Bridging the Gap Between the Data Haves and Have-nots

Scott Murray
Designing Online Learning Experiences for People

Chad Skelton
How to Think like a Data Journalist

Schedule + Speakers
Workshop
Exhibition
Organizers + Sponsors
Venue
Registration

Thank you!

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