Data Storytelling Studio charts & creative charts

> CMS.631/831 Rahul Bhargava

## Agenda

- [10] crit
- [15] readings
- [30] inspirations
- [15] "Viz Zoo" activity
- [10] tools
- [10] datasets and team-forming

### Crit Prac

Gun Deaths In Florida

Business Insider / Reuters

#### Gun deaths in Florida

Number of murders committed using firearms



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## Readings

Scott McCloud. 1994. Vocabulary of Comics. In Understanding Comics: The Invisible Art. New York: William Morrow Paperbacks.

Mark Wilson. 2015. Why You Don't Make A Mindlessly Beautiful Visualization Of A Horrific Event. Co.Design (August 2015).

Nigel Holmes. 2009. why so serious, (7 minute video)

What's the difference between Holmes' approach and a today's common infographics? <u>example</u>

When is it ok to visualize human suffering? Can this be an empathic art? <u>Example</u>

How does McCloud connect to Ware on the verbal/visual mix?

### **Traditional Charts**

#### **Creative Charts**

Pictures showing quantitative comparisons.

Pictures that use the visual language of traditional charts to tell a quantitative story.

infographics, explanatory-graphics

### Historical Inspirations



STOWAGE OF THE BRITISH SLAVE SHIP BROOKES UNDER THE REGULATED SLAVE TRADE PLAN OF LOWER DECK WITH THE STOWAGE OF 282 SLAVES 130 OF THESE BEING STOWED UNDER THE SHELVES AS SHEWN IN T ······ IN THE MANNER OF GALLERIES IN A CHERCH THE SLAVES STONED IN THE SHELVES AND BLUE -----AND DESCRIPTION PRODUCED IN THE PROPERTY PROPERTY OF THE PROPE ...................... TRAILING CONTRACTOR The same supersection of

Society for Effecting the Abolition of the Slave Trade, 1788



Florence Nightingale, 1856

#### W. E. D. Du Dois, 1900

## Inspirational Charts

#### REPUBLICANS

Statewide results

ng	

Trump	427	36.6%
Cruz	241	20.7%
Rubio	216	18.5%
Bush	176	15.1%
Carson	57	4.9%
Kasich	50	4.3%



The Guardian, 2015



Bloomberg Business, 2015

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### Inspirational Creative Charts



Courtesy of Visualizing Impact. License CC BY NC SA.

Oliver Uberti, National Geographic, 2011



Gun Violence in America, Vox Media, 2/2016

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### **Inspirational Interactive Graphics**



#### Virtual Water Angela Morelli

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Gun Deaths Periscopic

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**Choose the Right Chart** *Andrew Abela* 





Flow

1

Keef for showing the connection and the connection

The standard appeal

for putting data so a rtup - should always to news rather than turals of the context that turals

Use the ratials runtee than rates - be write that small differences in date will be hard to

magged with an intensity coolse acate its charapter it mag-but cot magged its an odministration.

#### Visual Vocabulary Financial Times

# FT

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#### Visual vocabulary

Designing with data

3

There are so many ways to visualise data - how do we know which one to pick? Use the categories across the top to decide which data relationship is most important in your story, then look at the different types of chart within the category to form some initial ideas about what might work best. This list is not meant to be exhaustive, nor a wizard, but is a useful starting point for making informative and meaningful data visualisations.

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#### ft.com/vocabulary

# "Viz Zoo" Activity

- form a team of 3
- pick a chart type
- read about it on <u>datavizcatalogue.com</u>
- scan <u>http://bit.ly/vizzoo</u>
- prepare a 1-minute summary on what the chart is and why/when we should use it
- you have 6 minutes



tools for making charts

# Team Forming

What do you know?What do you want to make?What dataset are you interested in?

Hubway rides, NYC trees, CO2

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