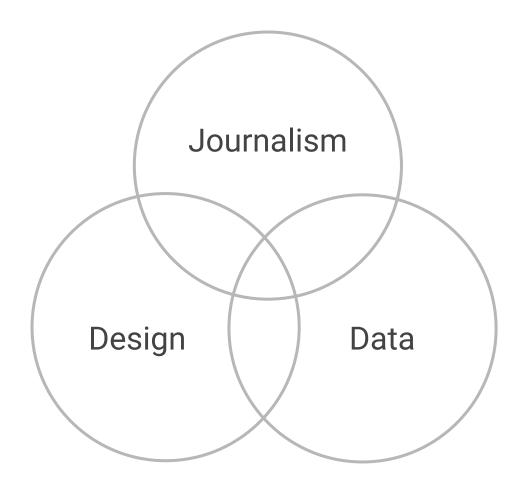
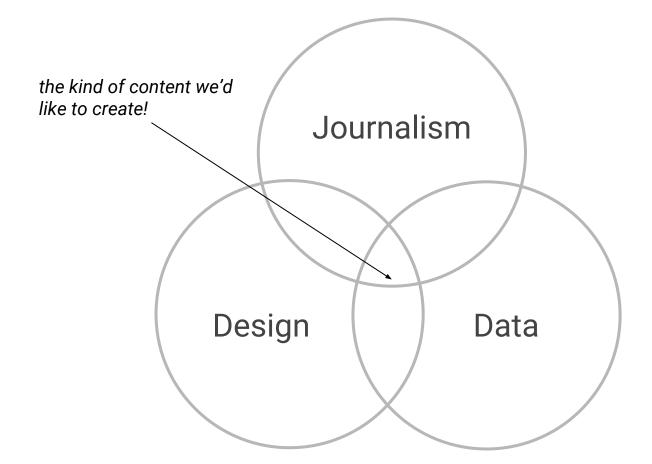


Design + Data Journalism



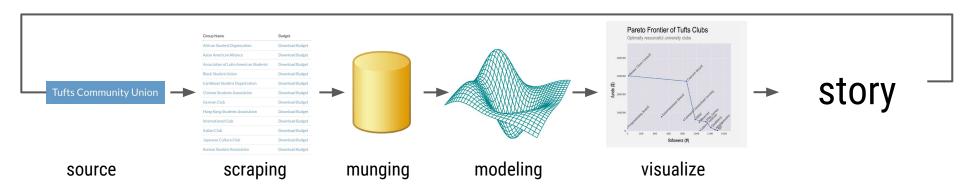






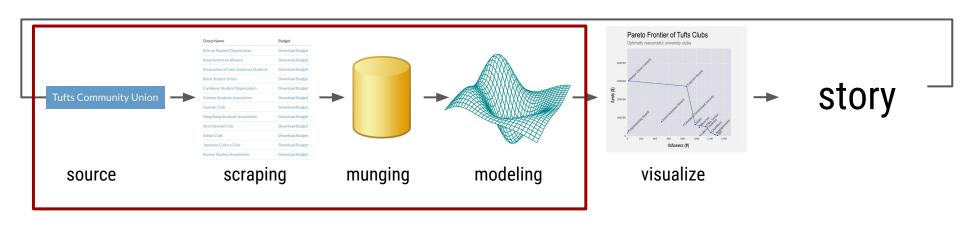


Journalism as a storytelling pipeline.

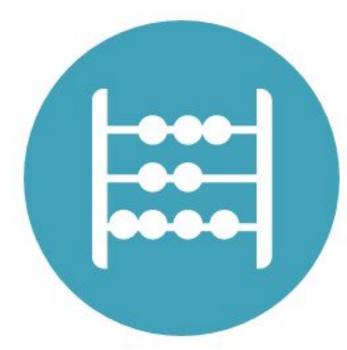




Journalism as a storytelling pipeline. Data as the 'raw material'.

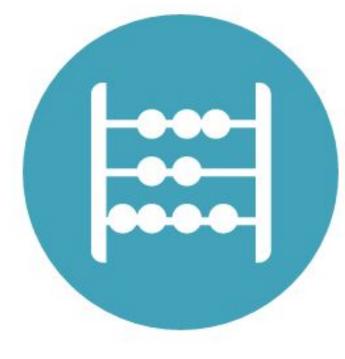






Data Types



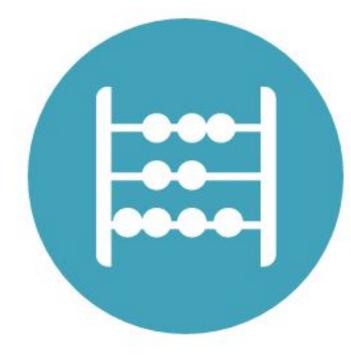


Ordinal

(i.e. 'rank')

Data Types

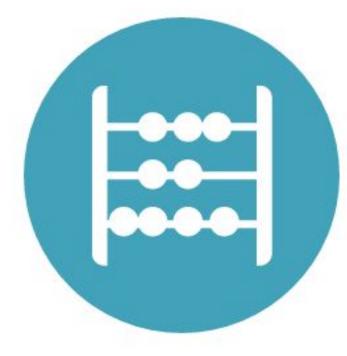




Ordinal Interval (i.e. 'rank') (i.e. 'difference')

Data Types



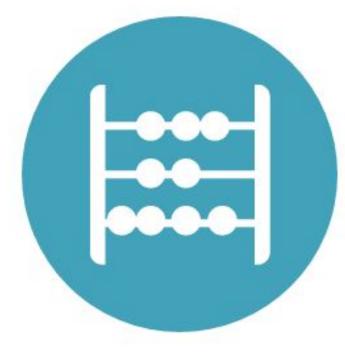


Ordinal Interval Ratio (i.e. 'rank') (i.e. 'difference')

(i.e. 'relative size')

Data Types





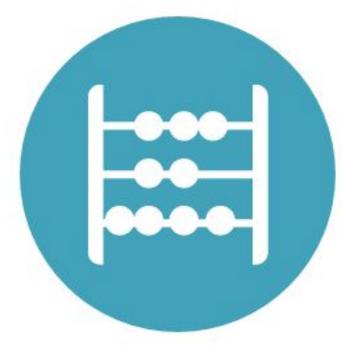
Ordinal
Interval
Ratio
Categorical

(i.e. 'rank') (i.e. 'difference') (i.e. 'relative size')

(i.e. 'groups')

Data Types



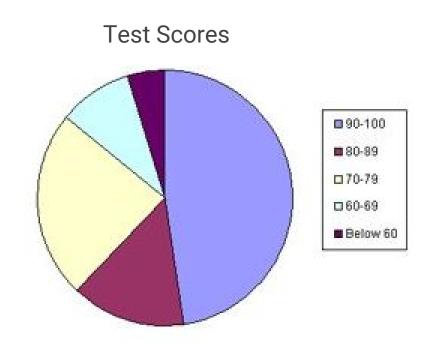


Ordinal
Interval
Ratio
Categorical
Qualitative

(i.e. 'rank')
(i.e. 'difference')
(i.e. 'relative size')
(i.e. 'groups')
(i.e. 'non-numeric')

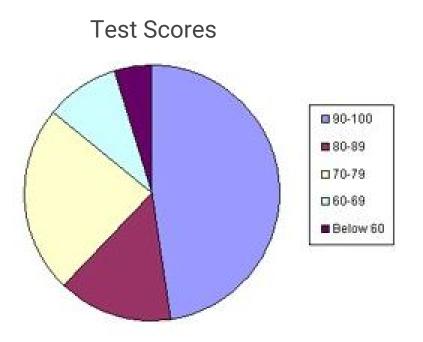
Data Types





Source: k12handhelds

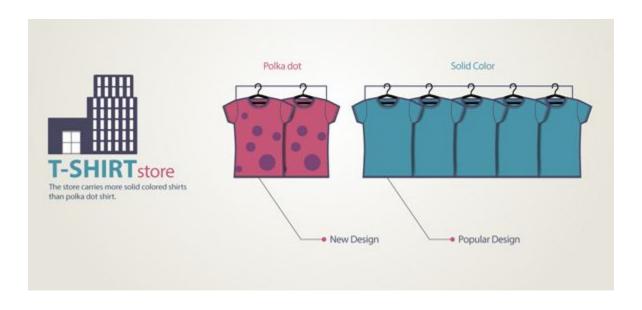




clearly proportions... so *ratio*

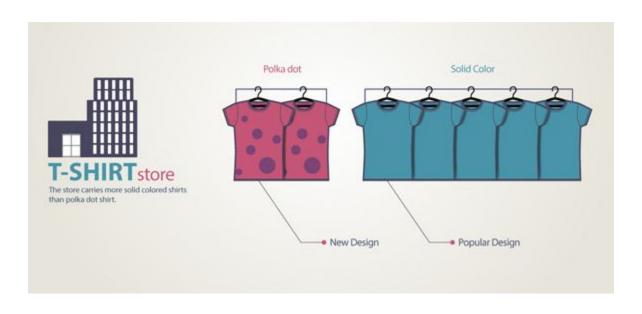
Source: k12handhelds





Source: The Visual Learner





representation of groups... so categorical

Source: The Visual Learner

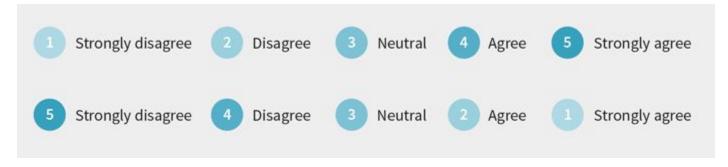


"Opinion Survey"

1 Strongly disagree 2 Disagree 3 Neutral 4 Agree 5 Strongly agree
5 Strongly disagree 4 Disagree 3 Neutral 2 Agree 1 Strongly agree



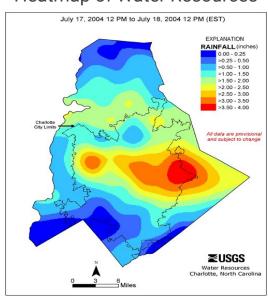
"Opinion Survey"



rank matters... so it's ordinal



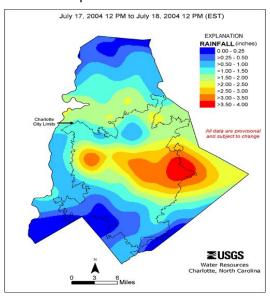
Heatmap of Water Resources



Source: USGS



Heatmap of Water Resources



depiction of ranges... so interval

Source: USGS



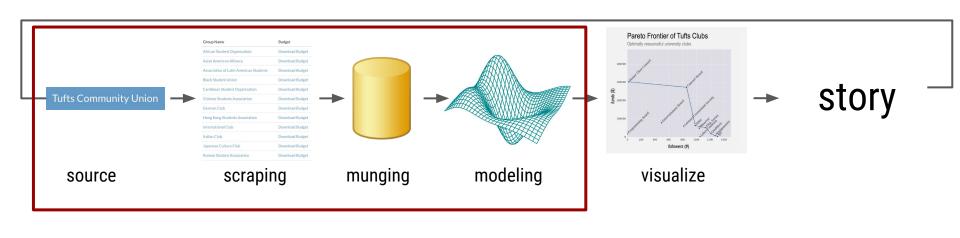
E

Grocery Store Inventory

Item	Section	Aisle	Quantity	Cost (US\$)
Oranges—Lbs	Produce	4	2	2.58
Apples—Lbs	Produce	4	1	1.29
Mozzarella—Lbs	Dairy	7	1	3.49
Milk—Skim—Gallon	Dairy	8	1	4.29
Peas—Bag	Frozen	15	1	0.99
Green Beans—Bag	Frozen	15	3	1.77
Tomatoes	Canned	2	4	3.92
Potatoes	Canned	3	2	2.38

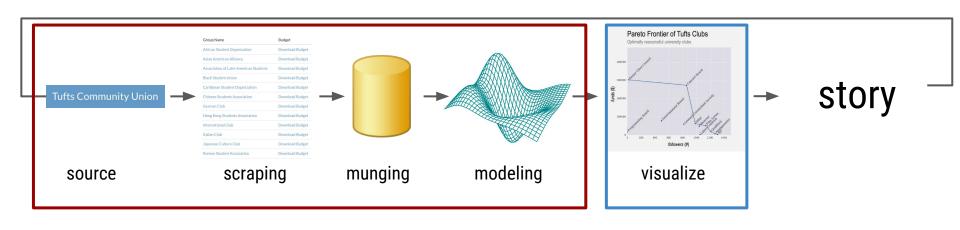


Journalism as a storytelling pipeline. Data as the 'raw material'.





Journalism as a storytelling pipeline. Data as the 'raw material'. Design as the 'finished good'.











Sketch





Sketch Collaborate





Sketch Collaborate Cohesion





Sketch
Collaborate
Cohesion
Composition







What makes an infographic visually appealing?





What makes an infographic visually appealing?

Where is the reader's eye directed?





What makes an infographic visually appealing?

Where is the reader's eye directed?

What is the message that the designer is trying to communicate?



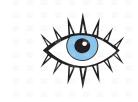


What makes an infographic visually appealing?

Where is the reader's eye directed?

What is the message that the designer is trying to communicate?

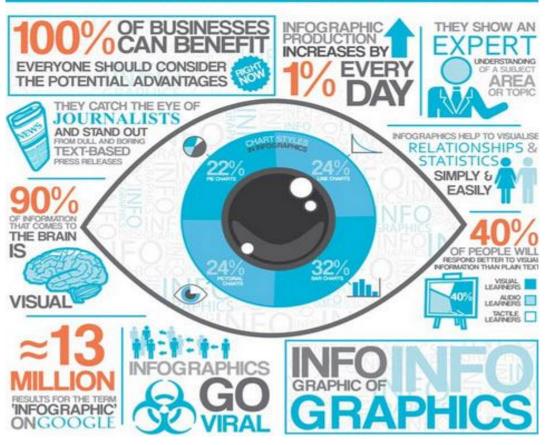
What is the importance of white space?

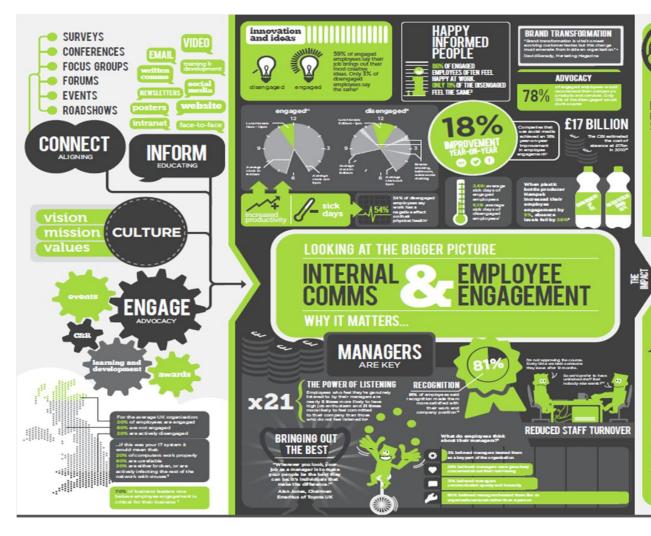




Case Studies

WATCH THIS SPACE. INFOGRAPHICS ARE







UNEMPLOYMENT RATE

for 27 WEEKS or more

PERCENTAGE of UNEMPLOYED

Stationalise 2007 | Naturalise 2000

GOVERNMENT UNEMPLOYMENT

WHO HAVE BEEN UNEMPLOYED

Neverther 2010

November 2007

BENEFITS PAID

How the Recession Changed Us

WHAT A DIFFERENCE TWO YEARS MAKES. By Timothy Lavin Graphics by Amunda Back

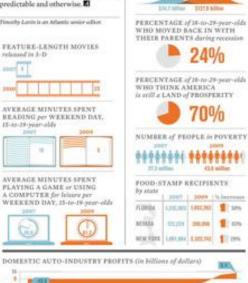
FFICIALLY, THE GREAT Recession lasted from December 2007 to June 2009: A mere 18 monthsabout average, as recessions go. Yet if the trauma this time feels deep and lasting, that may be because, as the figures on these pages show, so many disruptions have upended national life at once.

Millions of Americans have lost their jobs, nearly every state faces a budget shortfall, and hundreds of banks have shut their doors. The young are

unemployed, living at home, and play-

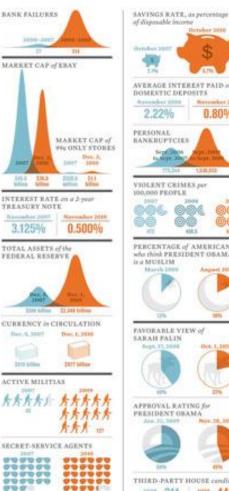
Youghy Lovin is an Affantic senior editor.

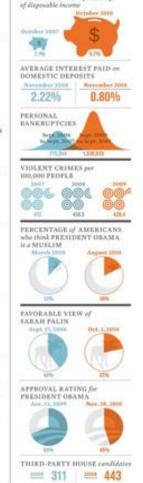
ing video games. The ranks of thirdparty candidates have swollen, militias have proliferated, and national leaders of both parties have seen their support decline. Of course, times of flux are often times of anxiety and unrest. But as the economy begins its slow and stuttering recovery, the vast changes wrought by this recession will continue to reverberate for many years-in ways. predictable and otherwise.

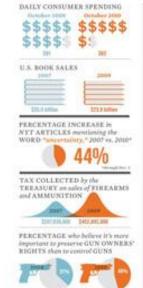


VEHICLEY COUNTED









VIRTUAL WATER inside products





































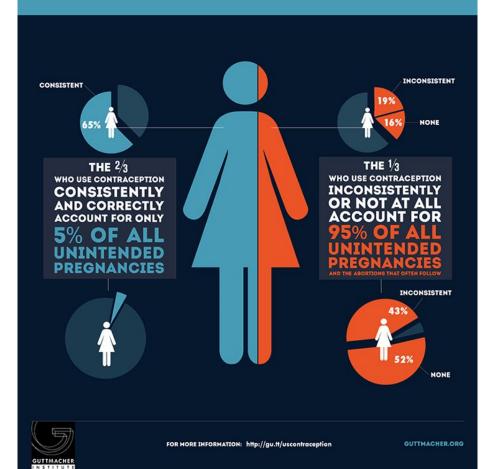








CONTRACEPTION IS HIGHLY EFFECTIVE





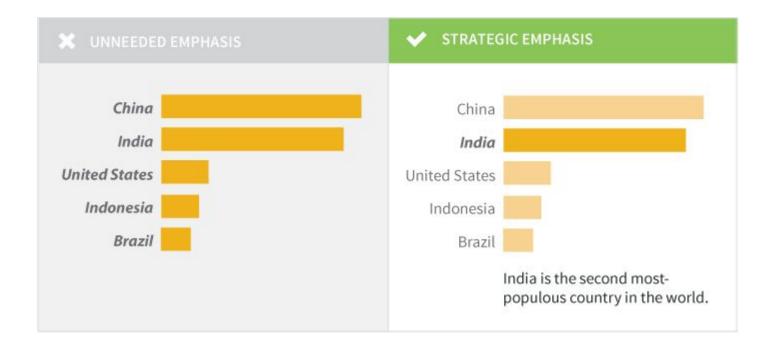
Tufts Labor Coalition Infographic

click me





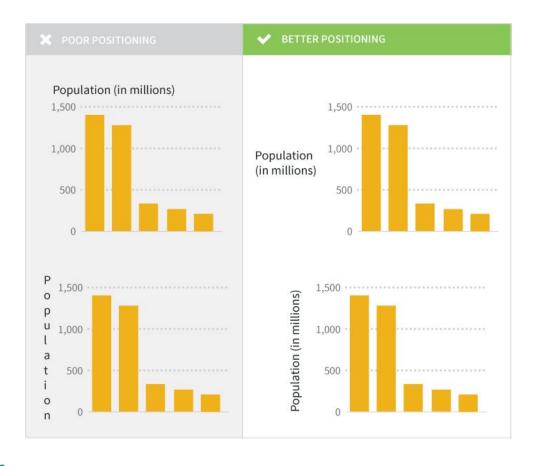














Tips & Hints

Guide your reader visually

Have a specific purpose

Tell a story

Choose representations that make sense

Don't be afraid of white space





Design Tools

The Noun Project

"Free vector icons for small illustrations."

Canva

"Easy to use infographic templates."

Microsoft Powerpoint

"...Surprisingly good + easy tool."

Adobe Creative Suite

"Steep learning curve, but making anything in the world."



Visualization Tools

(more in a future workshop!)

Plot.ly

"Easily create charts and graphs online."

Tableau

"Explore data and quickly visualize in many different ways."

<u>D3</u>

"Create interactive graphics in Javascript."

Thanks!

