



The School of Visual Communication OHIO UNIVERSITY

Words



Infographics

Freaking

T like it

Worries me

I get it

Manhattan

VisCom

Clever

David

Kroger

Useful

Know what I mean

Really Interesting

Works

I don't know

Good idea

Graphics

Not good

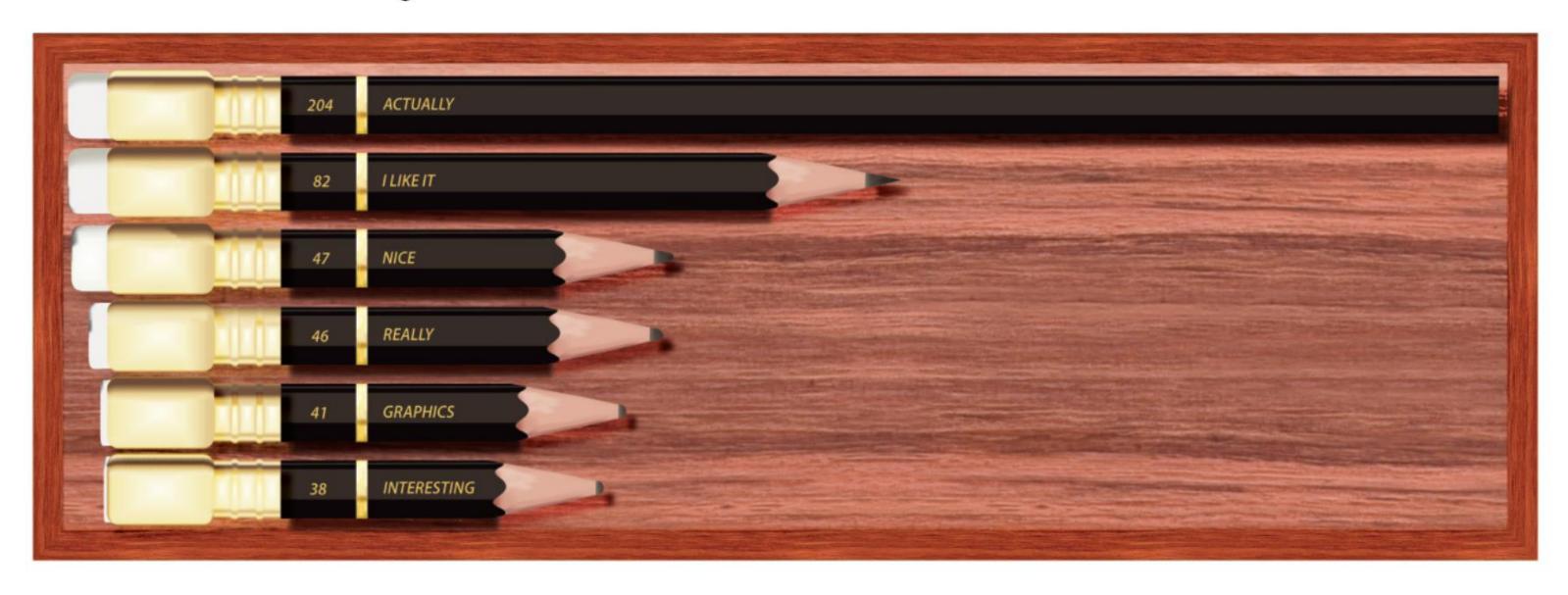
Shocking

Wrong

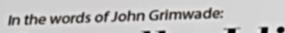
Athens New York

In the words of John Grimwade...

"Actually, I like it."



Data collected from 11 classes over a period of four weeks. In one class, Grimwade said "Actually" 58 times. The pencil is the Palomino Blackwing 602 (his favorite).



"Actually, I like it."



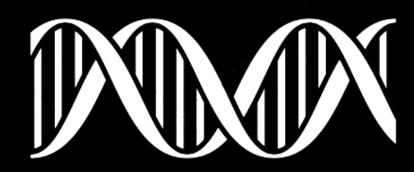
Data collected during 11 classes over a 4 week period and is shown using John's favorite, and oft mentioned, pencil, the Palomino Blackwing 602. John is astonished that he managed to fit in "actually" 58 times in a 55 minute class.

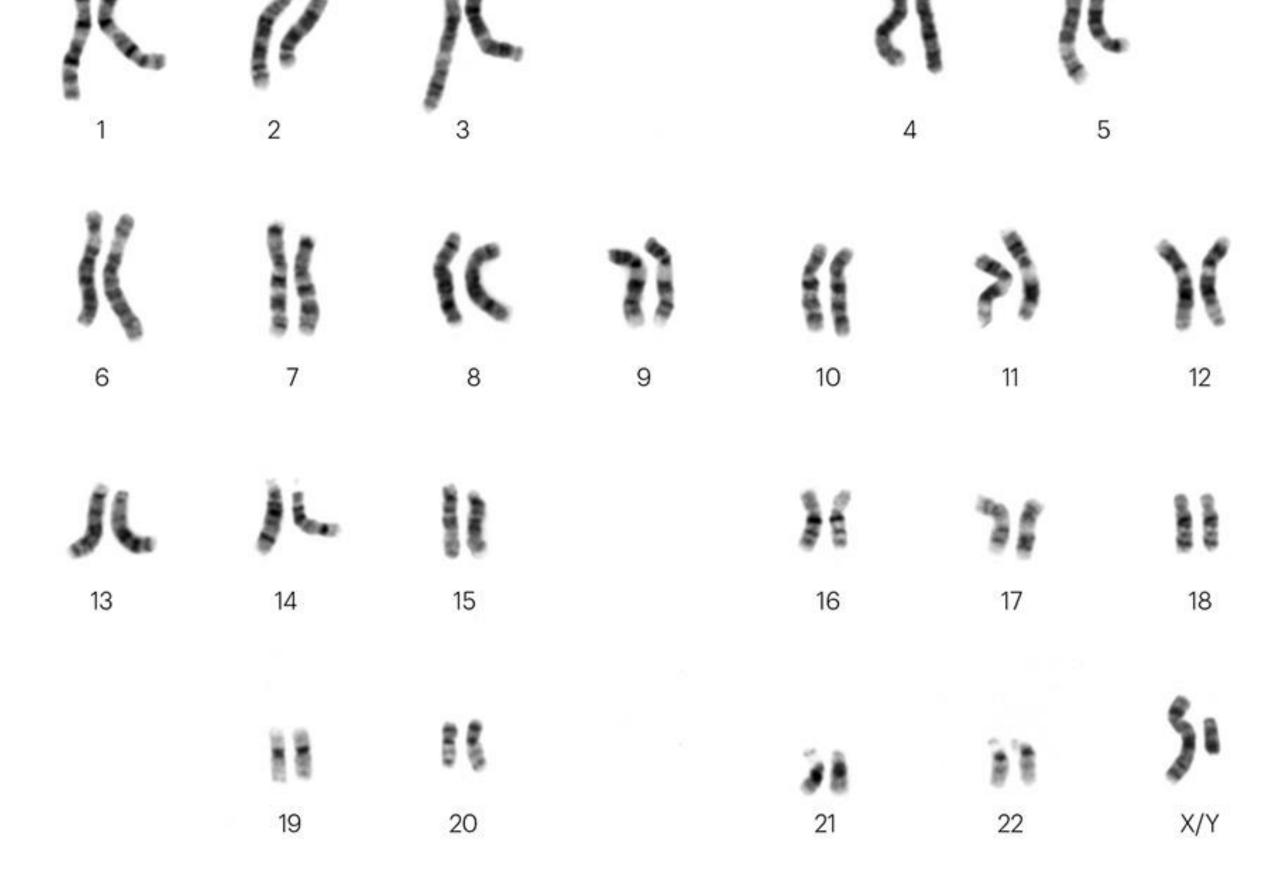
Infographics for the People

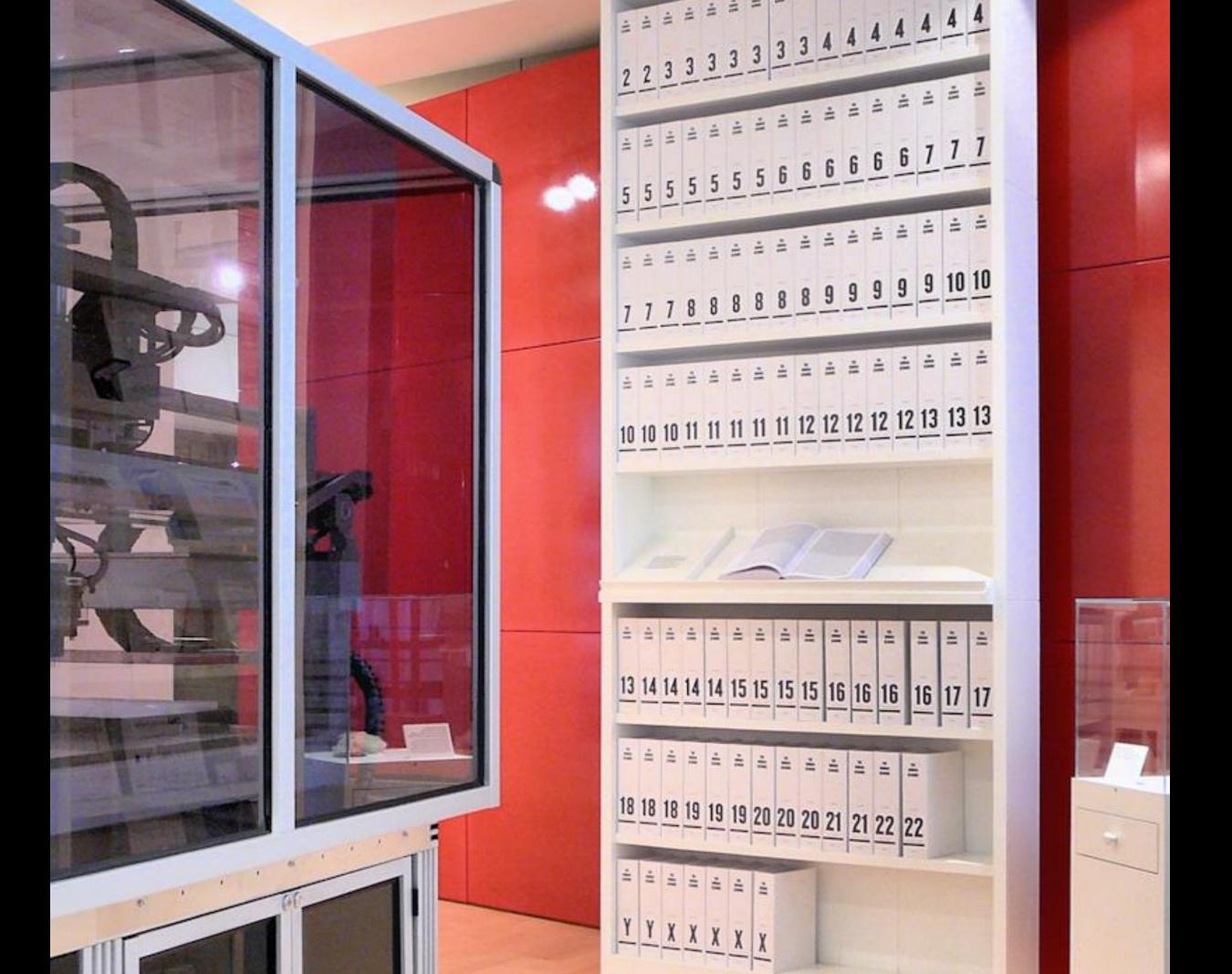


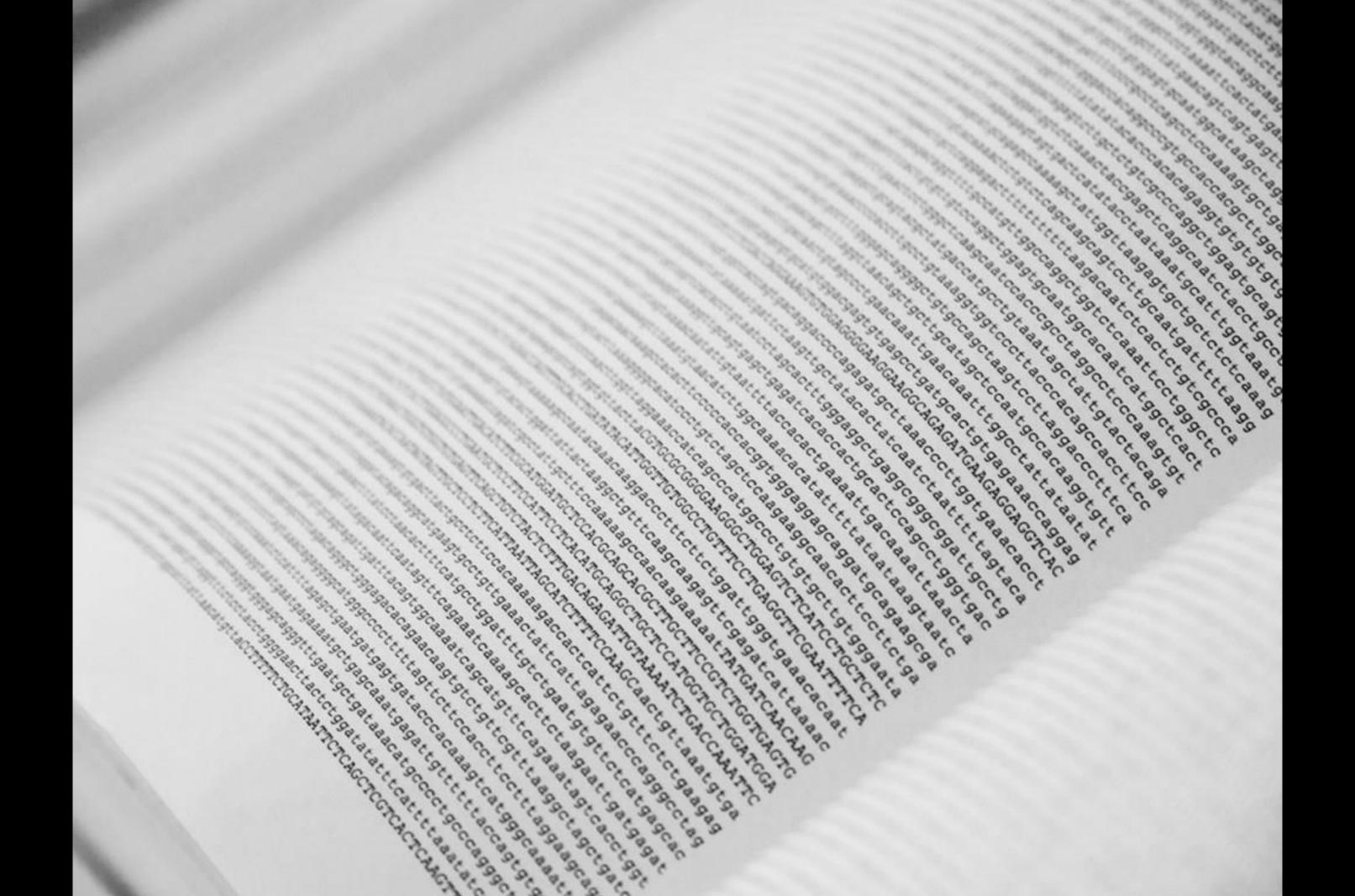
johngrimwade.com/blog

DNA











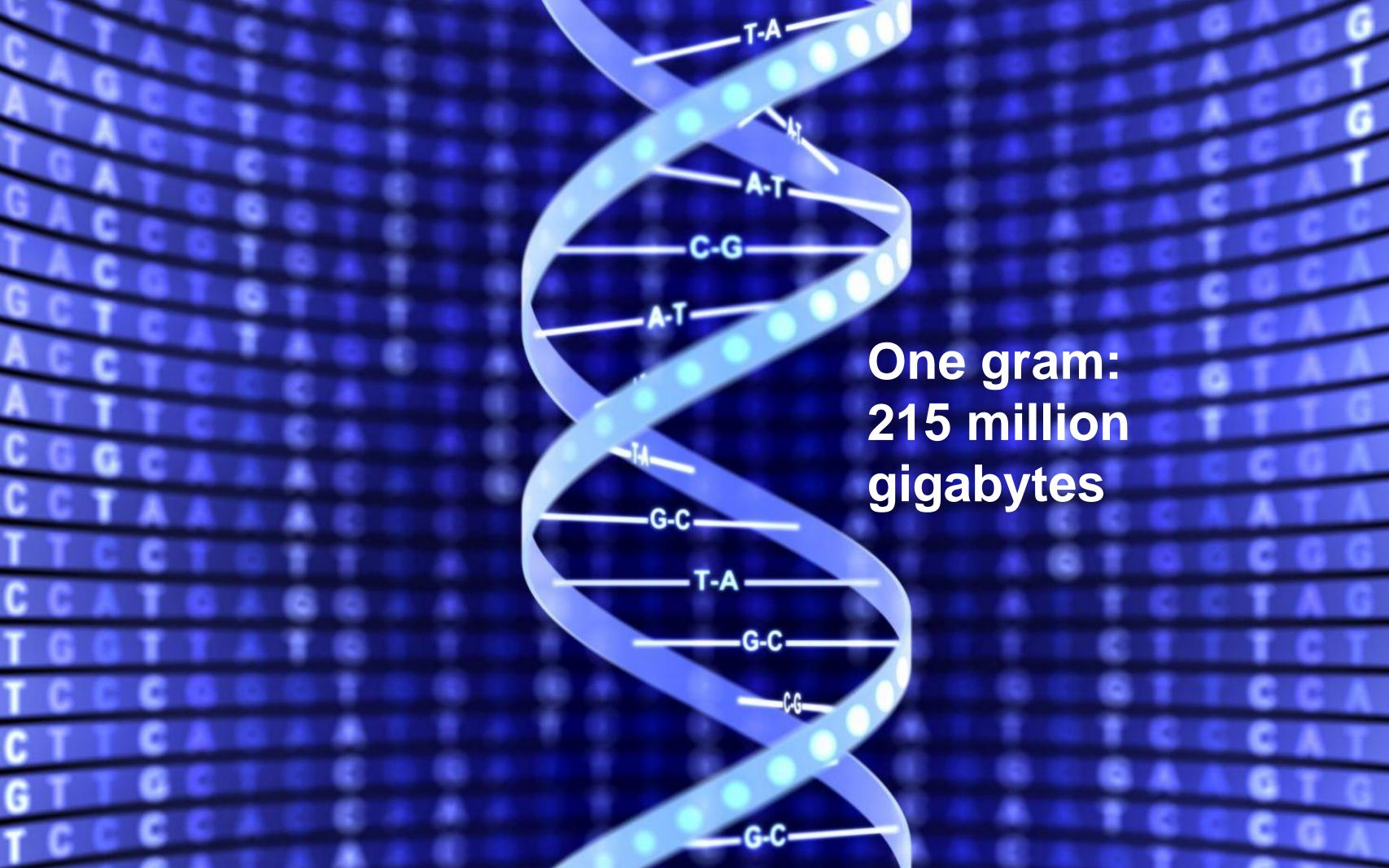
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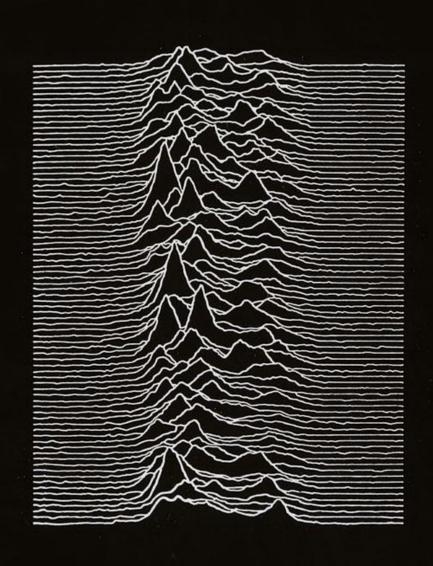
Other Course

workmanship.

\$10,000



Quasars and t-shirts



\$2: Successive parameters from the first parameter Samuel CP HID are here represented monda 5th pales were every 1 255 much Physics want by a reputly

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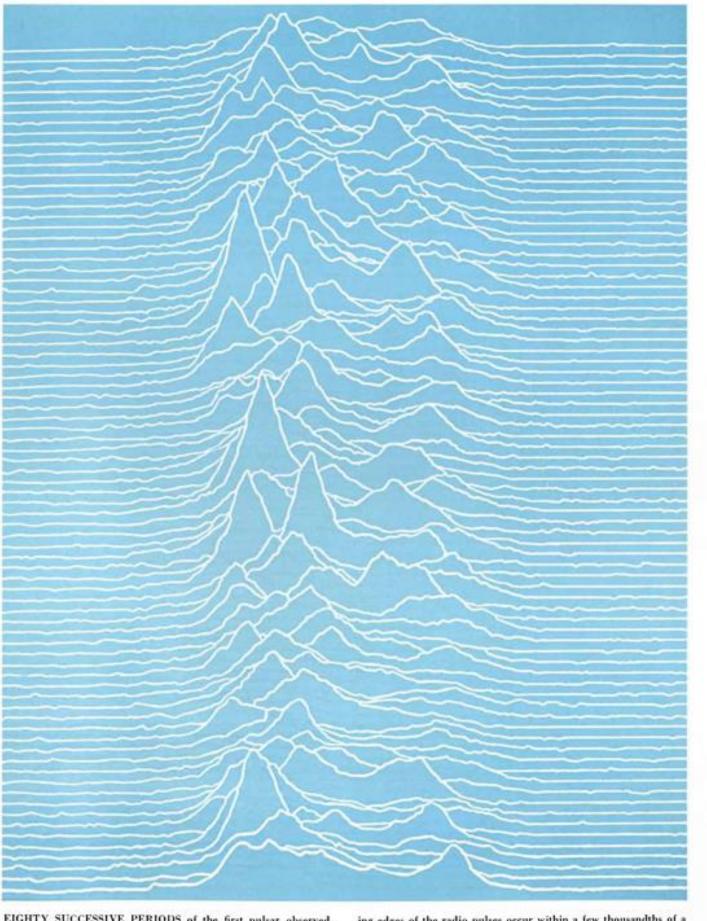
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The attention charged stransationly with the discovery of PERSONAL (Public Tanks) and analysis of the Control by antique and all the Control by antique and all the Control by antique and Connected Laboratory Cambridge The first pulsar to be discompany Cambridge The Design of Cambridge Perform o The state of the s The first state of the state of A pullbroads to fact, the dataset are so regular that the polar The second secon military from these many from Palbary (where 200) have been the The state of the s to the Crab Xabata which has a period of 33 million and a Dischart. All reasonable should that private are reagrestional recommendate that regularity of the point radio signal is provided by the topol reduction of each state and only a neutron ofer can reduce that

The Coal pulsar

The companion that created the Cook Arbade was observed and The special part of the sp and X-tay common from the metals and a backly polarised. code a cay common from the process of the capacity process of the capacity of In a given in the radiation is resident in the case of the state of the case o Augher the Imperior of the 12 to find the padation it cross and the Agent his property of the grounding framework in the control of the first state of the control o the X rankers from the helps of the course of the second within 100 peace. The many that there were by in the before a second first superiors explosion in the property of the SE which provide the the state of the s

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EIGHTY SUCCESSIVE PERIODS of the first pulsar observed, CP1919 (Cambridge pulsar at 19 hours 19 minutes right ascension), are stacked on top of one another using the average period of 1.33730 seconds in this computer-generated illustration produced at the Arecibo Radio Observatory in Puerto Rico. Although the lead-

ing edges of the radio pulses occur within a few thousandths of a second of the predicted times, the shape of the pulses is quite irregular. Some of this irregularity in radio reception is caused by the effects of transmission through the interstellar medium. The average pulse width is less than 50 thousandths of a second.





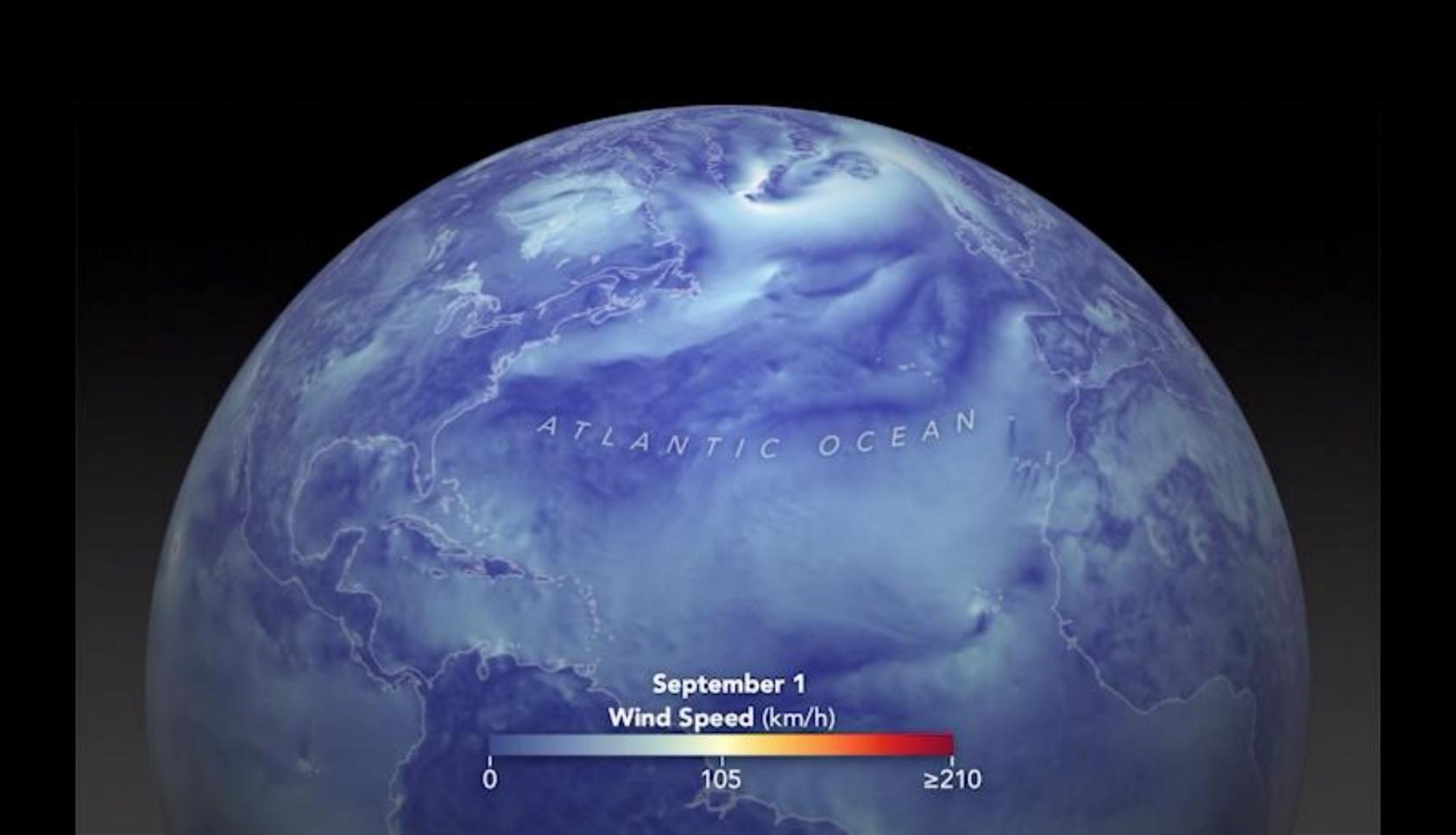


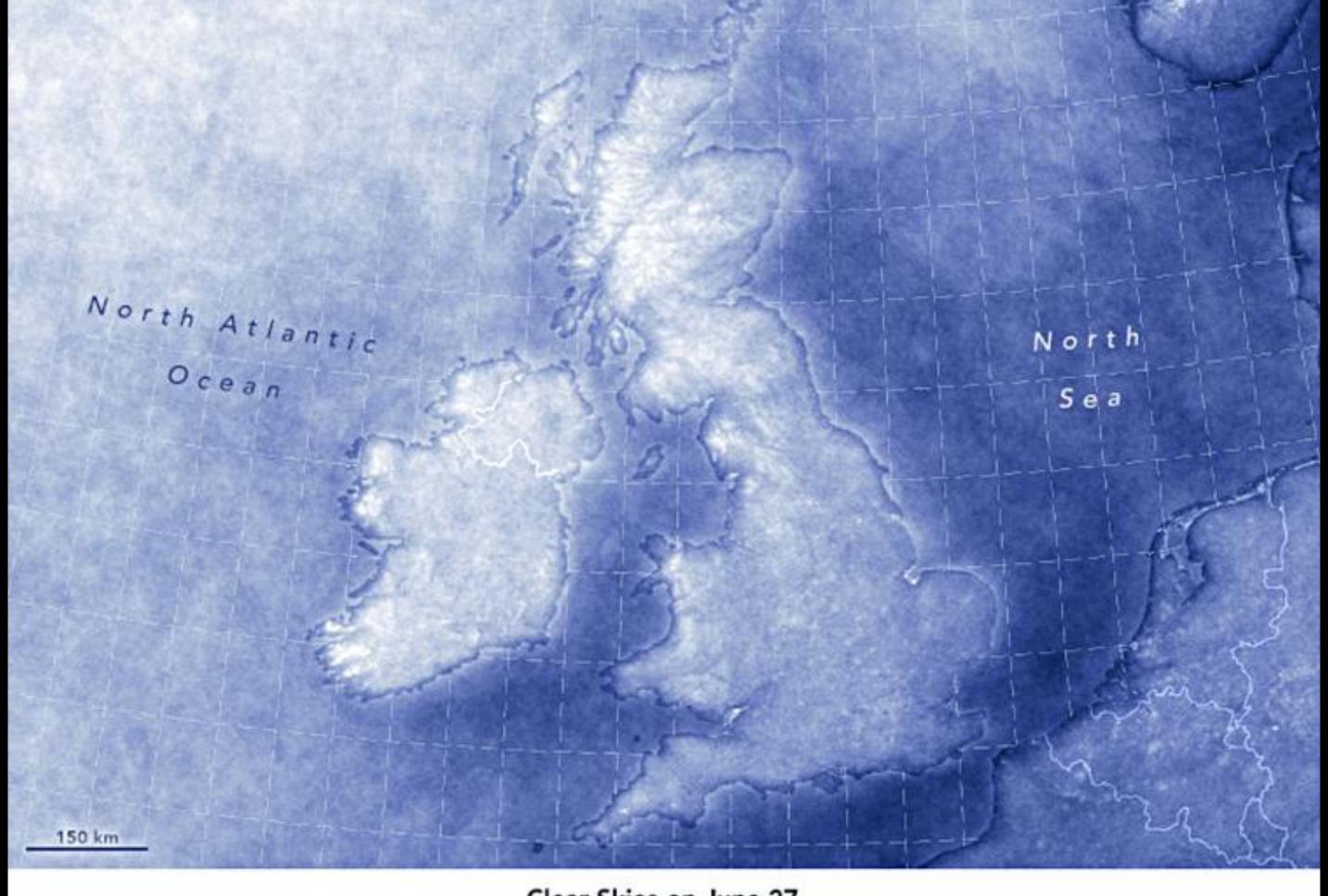




Data mapping



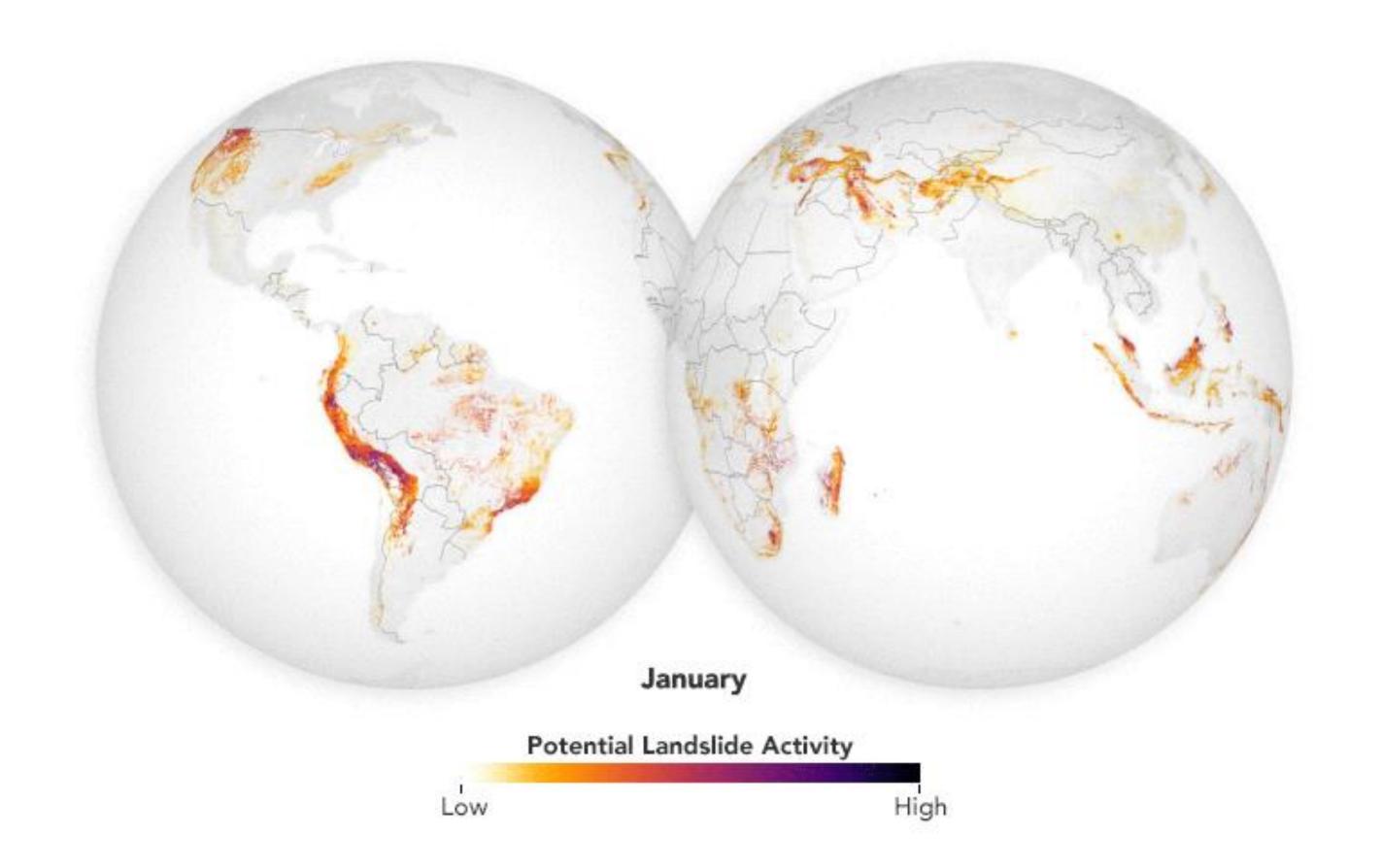




Clear Skies on June 27

Less likely

More likely



Knitted data visualization

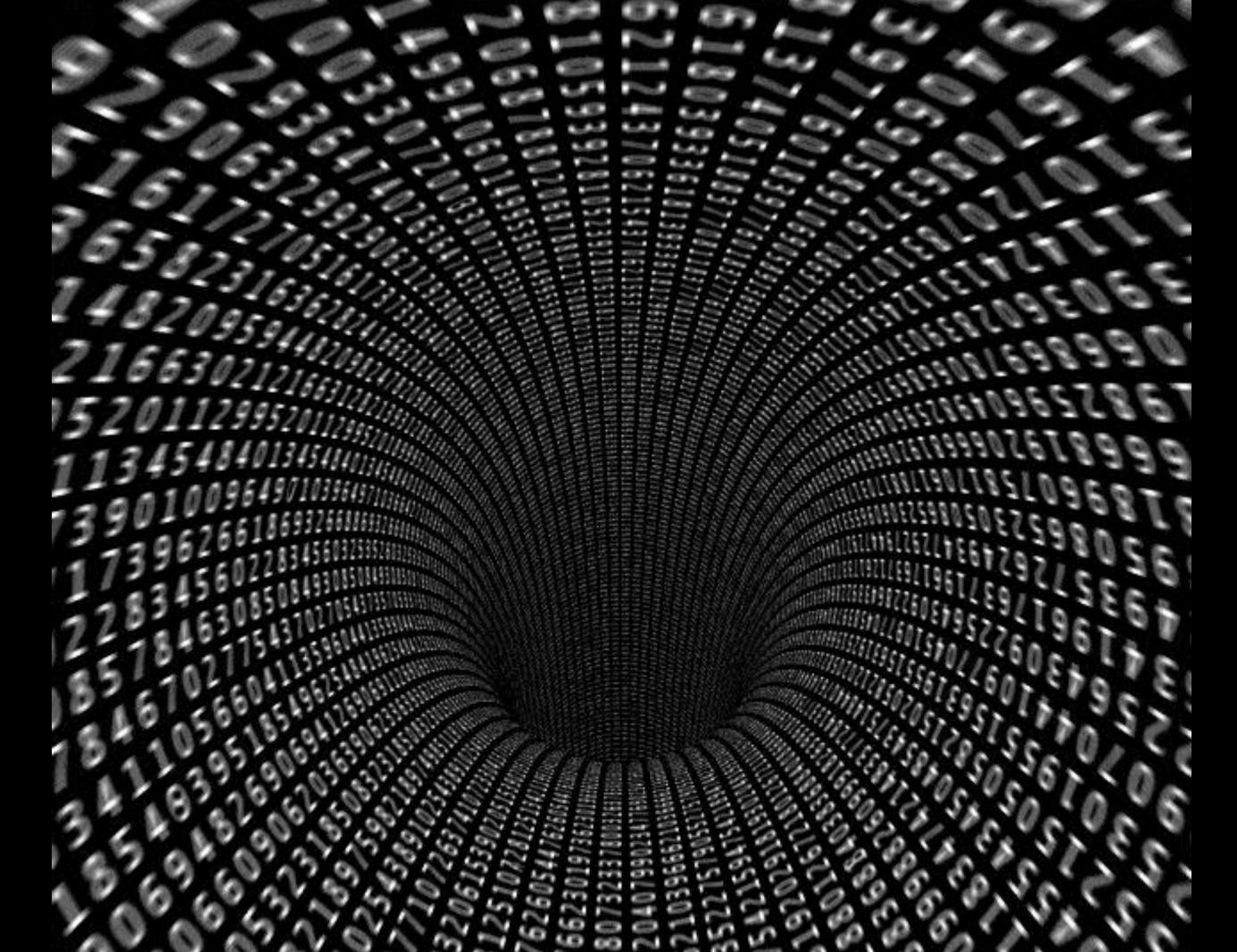






Data Visualization Secrets







2,838,335,911

Internet Users in the world



740,443,093

Total number of Websites



107,319,493,823

Emails sent today



2,123,736,900

Google searches today



1,932,180

Blog posts written today



309,974,267

Tweets sent today



3,820,174,337

Videos viewed today on YouTube



36,688,072

Photos uploaded today on Instagram



53,856,042

Tumblr posts today



1,172,932,842

Facebook active users



300,700,061

Google+ active users



233,496,541

Twitter active users



26,929,842

Pinterest active users



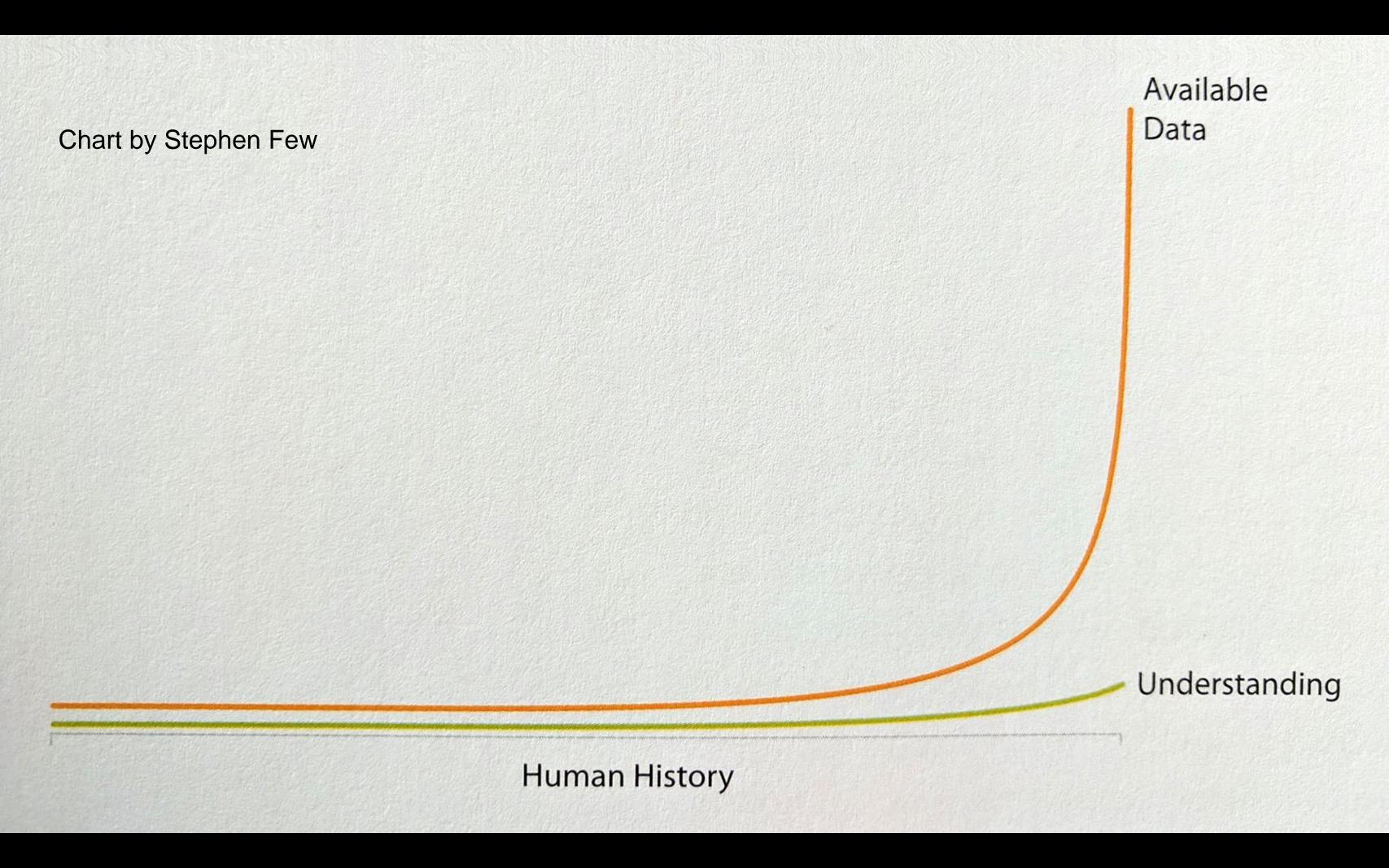
66,343,891

Skype calls today

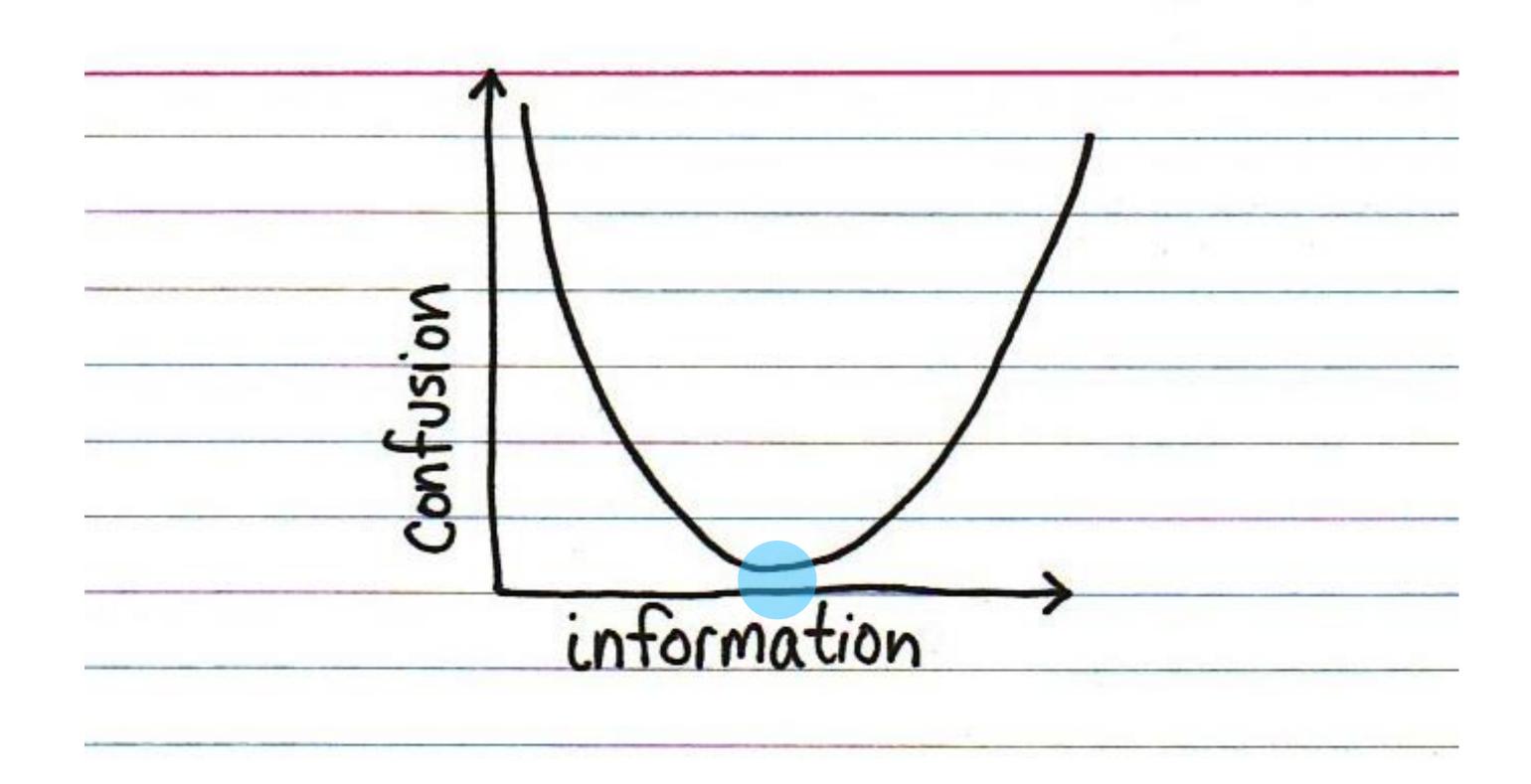


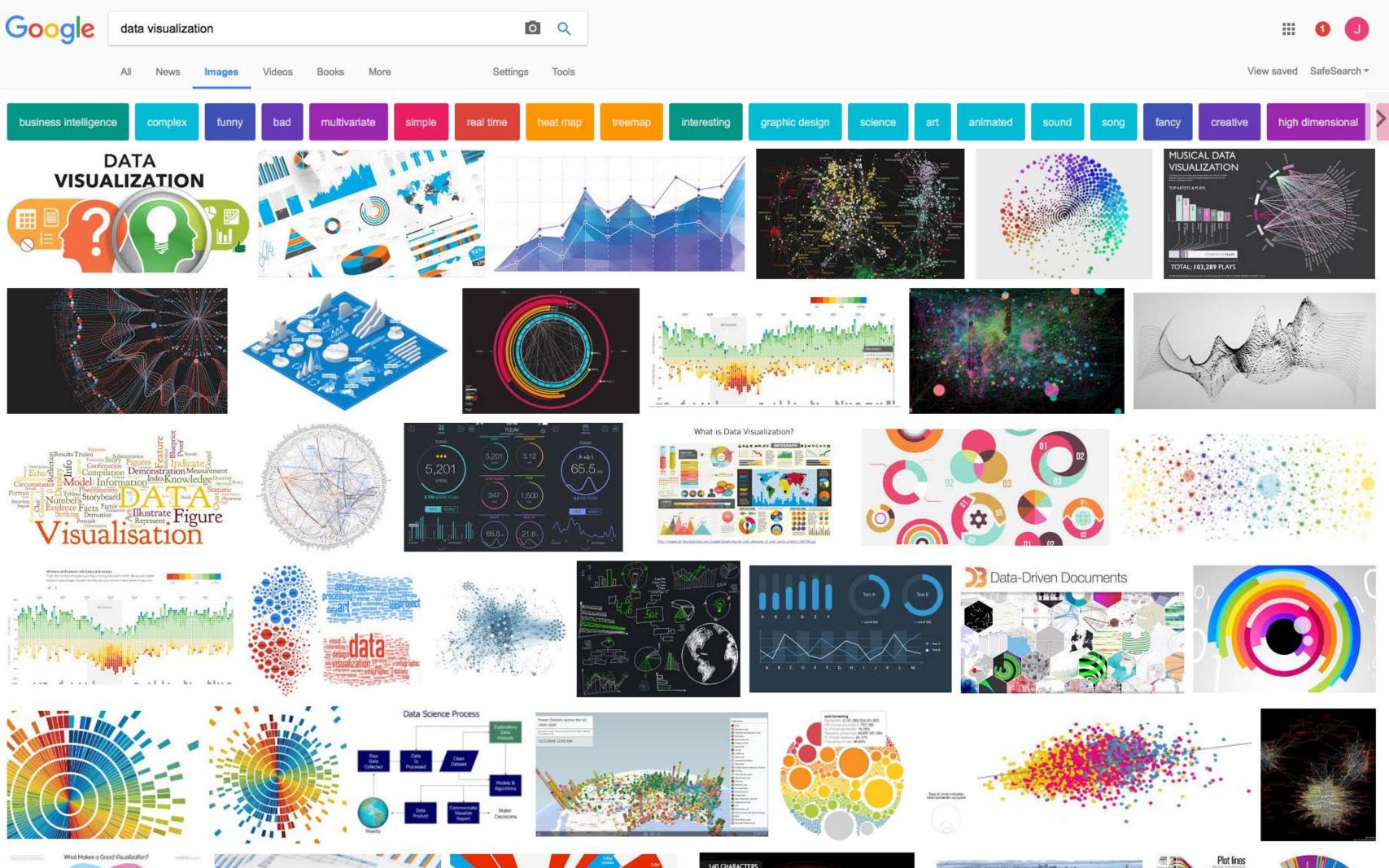
21,392

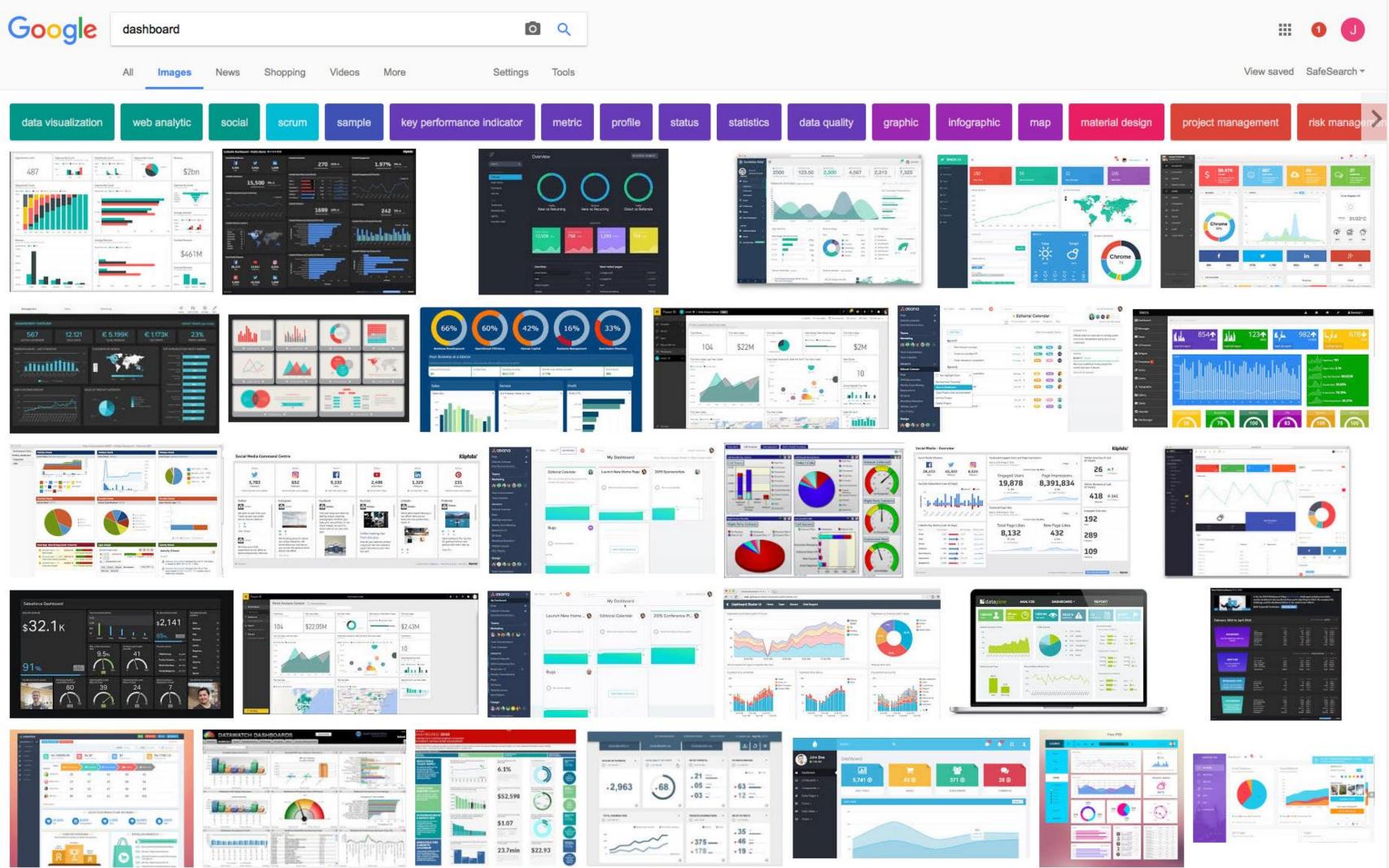
Websites hacked today





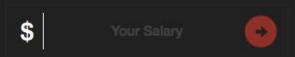


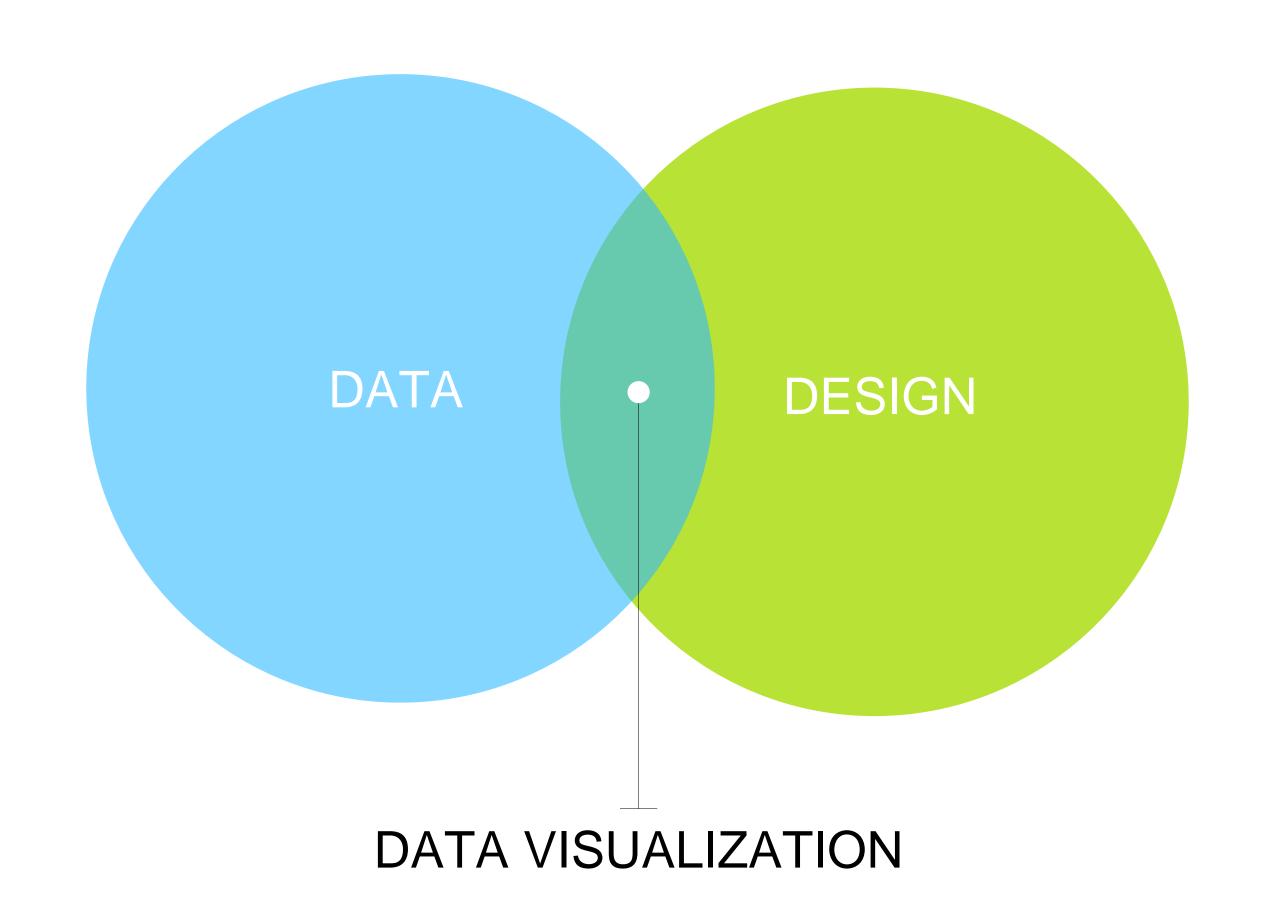




YOU vs. JOHN PAULSON

How long does it take super-trader John Paulson to earn your annual income?











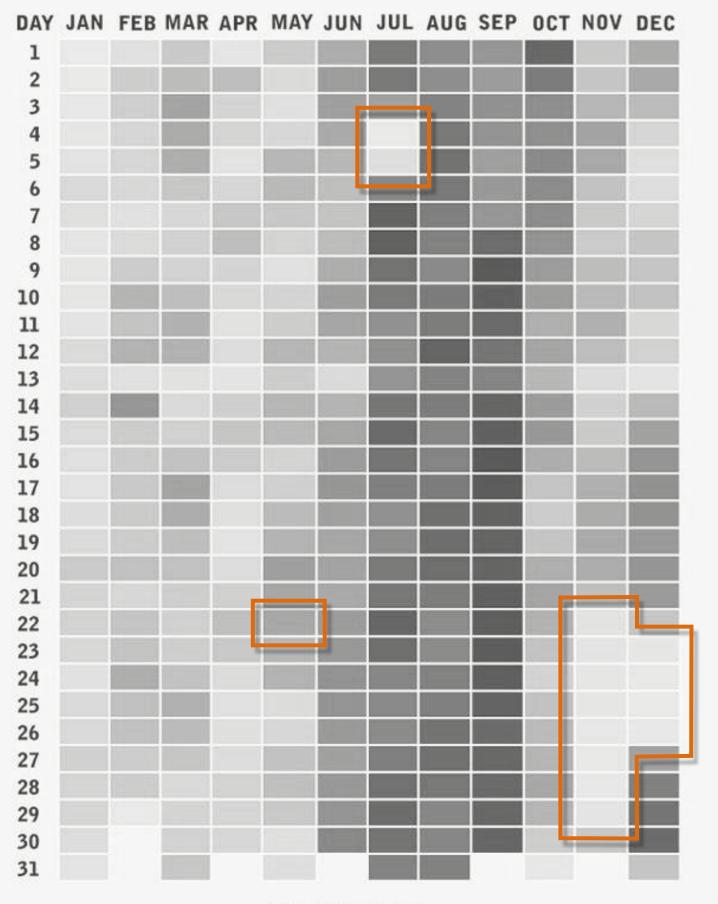
Making charts



"The graph on the wall,
Tells the story of it all."

Depeche Mode: Everything Counts

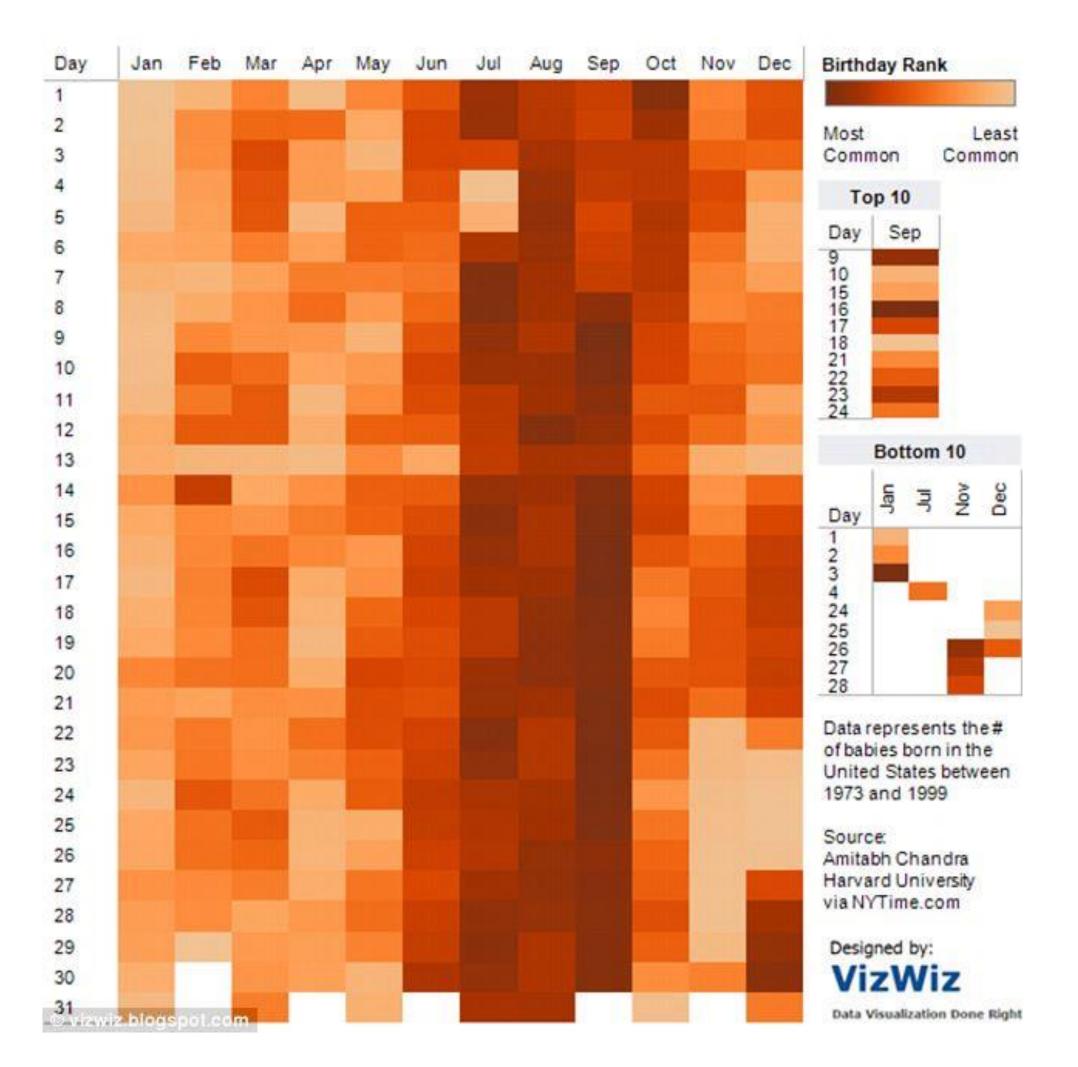
Which Birth Dates Are Most Common?



BIRTHDAY RANK

Less common

More common



Most common 1 to 10

Least common 1 to 10

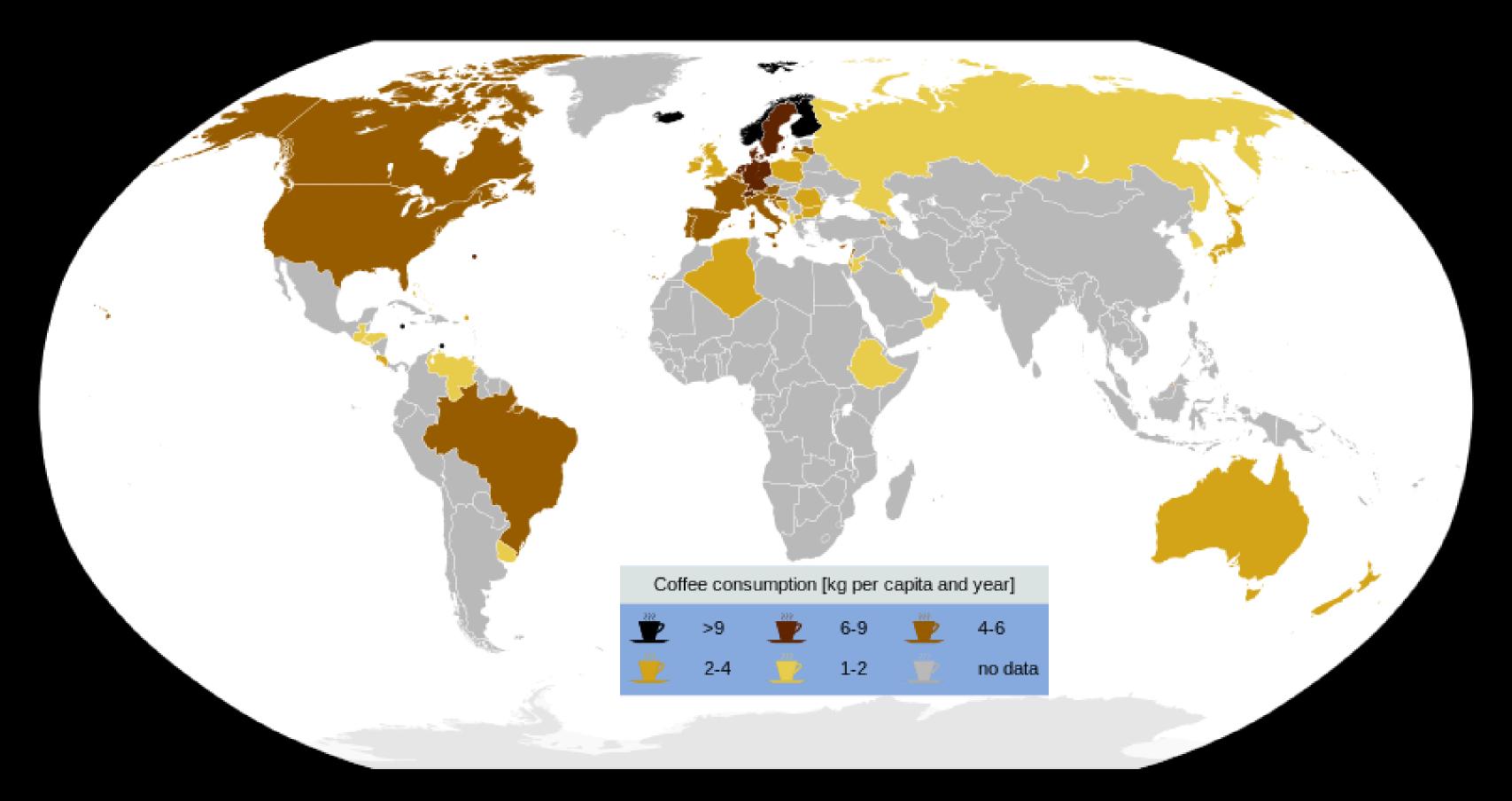


Understand your data

Is the data sound?







Is that a story, or a flaw in the data?



Mackinac Island ranked fifth most violent city in Michigan in statistical anomaly

Updated on September 27, 2017 at 12:27 PM, Posted on September 26, 2017 at 1:47 PM



Mackinac Island, or Michigan's go-to destination for fudge and vacation relaxation was the fifth most violent city in the state, ahead of Flint, according to the FBI's 2016 crime statistics released earlier this month.(MLive file photo)

With only eight incidents of violent crime -- six aggravated assaults and two sexual assaults -- reported on the island in 2016, Mackinac Island would rank 343 if the island population is adjusted for tourists, according to the data.

The island ranked 75 in 2015 with only one aggravated assault and one sexual assault, making the crime rate 4.09 per 1,000 residents, according to the FBI's 2015 crime statistics.

In 2014, the island was ranked 13 with five incidents of sexual assault, making the crime rate 10.2 per 1,000 residents.

The FBI itself discourages ranking cities based on violent crime statistics, stating that any comparisons of crime among different locales should take into consideration numerous other factors besides the areas' crime statistics, according to the FBI website.

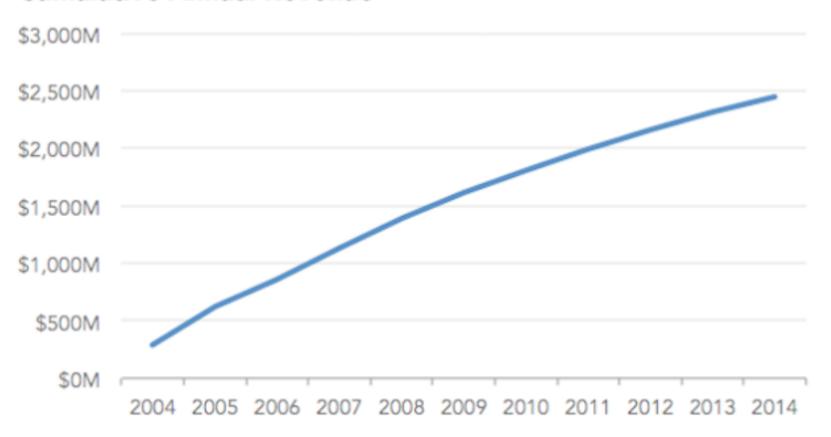
Don't assume that data will be available



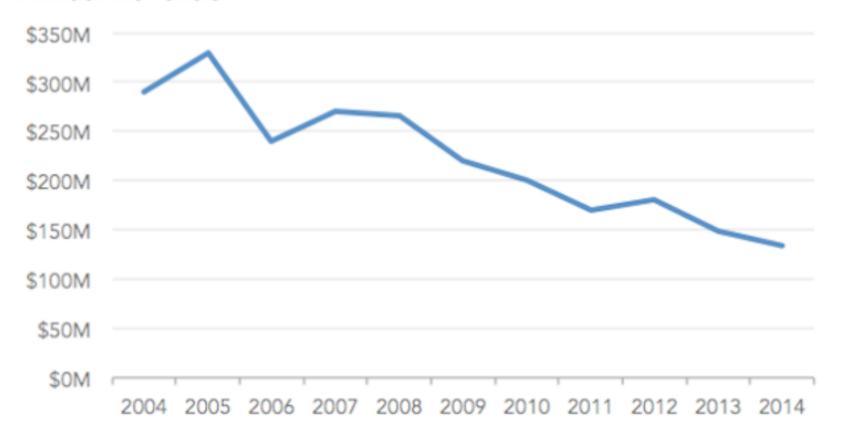
Data ethics



Cumulative Annual Revenue



Annual Revenue





Outliers

the truthful art data, charts, and maps for communication

alberto cairo

"Cairo sets the standard for how data should be understood, analyzed, and presented. The Truthful Art is both a manifesto and a manual for how to use data to accurately, dearly, engagingly, imaginatively, beautifully, and reliably inform the public."

Jeff Jarvis, professor, CUNY Graduate School of Journalism, and author of Geeks Bearing Gifts: Imagining New Futures for News

DIRECTORIES SEARCH UNC DEPARTMENTS UNCHOME

PDF of 2015-2016 Bulletin

Bulletin Archive

An Introduction

Admissions

Course Abbreviations

Academic Organization and Undergraduate Requirements

> Undergraduate Education

Academic Units

Academic Policies and Procedures

Student Affairs

Facilities and Services

Finances and Financial Aid

UNC-Chapel Hill Regulations and Policies

UNC: Seventeen Constituent Institutions

Campus Map

Appendix

Return to Front Page

2015-2016 Undergraduate Bulletin

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Department of Geography

geography.unc.edu

205 Saunders Hall, CB# 3220; (919) 962-8901

MICHAEL E. EMCH, Chair

Introduction

Geography is an integrative discipline that seeks to understand the evolving character, spatial organization, and complexities of the earth and its inhabitants including feedbacks between "natural" and "social" systems. Within this broad vision, geographers study many issues, including the geographic manifestations of cultural, social, economic, and political processes; the geography and dynamics of the earth's environmental systems; and geographic information analysis and visualization. Across these domains, geographic work is often fundamentally tied to the analysis of data collected in the field.

Human geographers study the spatial aspects of human existence: how people and their activities are distributed across the globe, how humans use, produce, and perceive space, place, regions, and landscapes, and how they create, transform, and sustain the character of places. Environmental geography is rooted in a systems approach to the dynamics within, and interactions between, the atmosphere, hydrosphere, biosphere, and lithosphere, and how these produce geographic patterns in vegetation, biological communities, weather and climate, landforms, soils, and resource availability. Geography also has been at the forefront in the development and application of satellite remote sensing, geographic information systems, and other spatial data, analysis, and visualization approaches for understanding human and environmental systems.

Geographers find careers in numerous government agencies; nongovernmental organizations working on social, health, and environmental issues; private and public sector work in energy, transportation, economics, development, and tourism; urban and regional planning; research and education; community development; resource management; and private, public, and research careers in environmental inventory, monitoring, modeling.

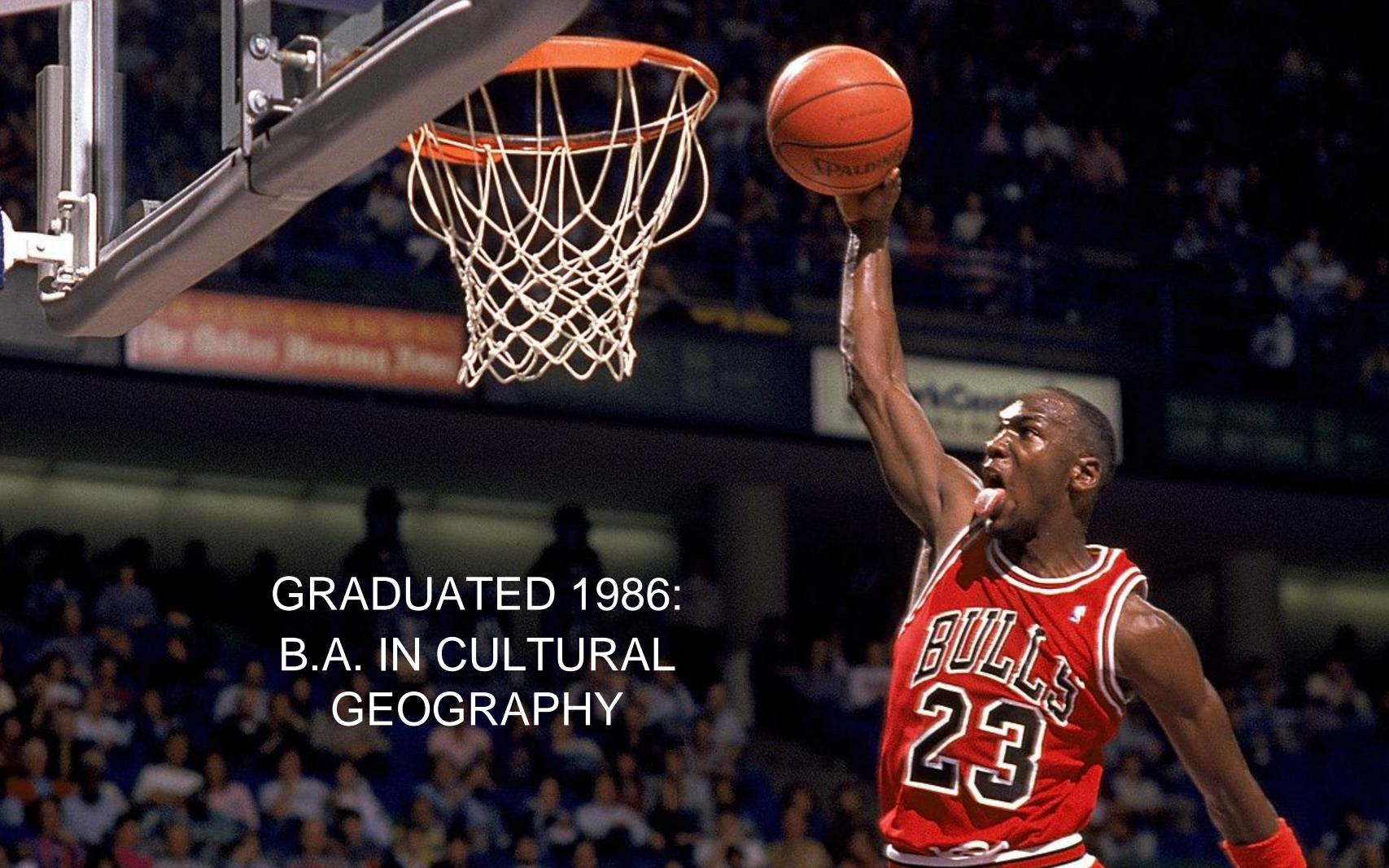
Geography Major, B.A.

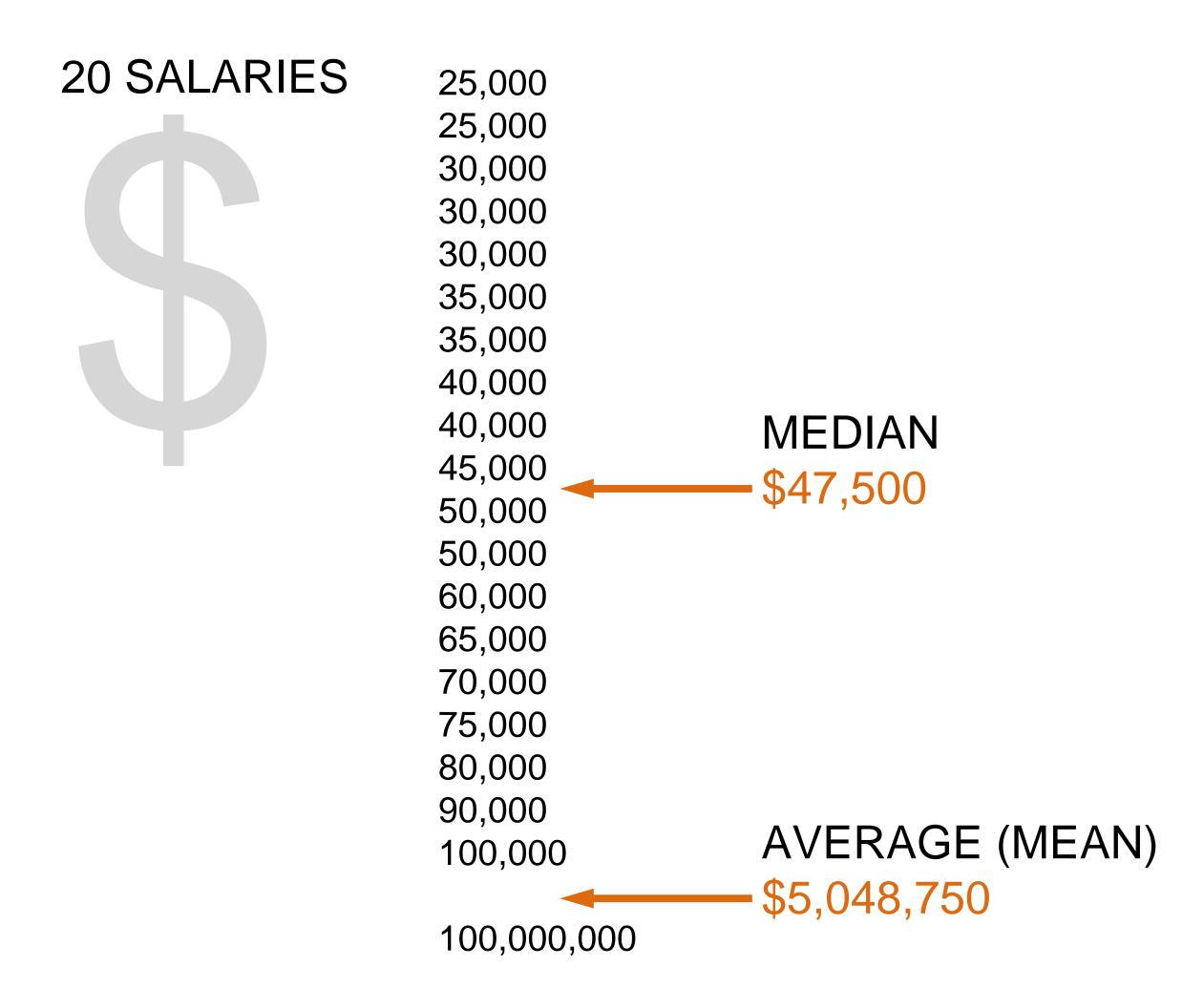
Core Requirements

- GEOG 110 or 111
- GEOG 120, 121, or 130
- GEOG 370, 391, 392, and 697
- Four additional courses, at least three of which must be at the 400-level or above. These may

GEOGRAPHY DEPT. HIGHEST SALARY FOR GRADUATES

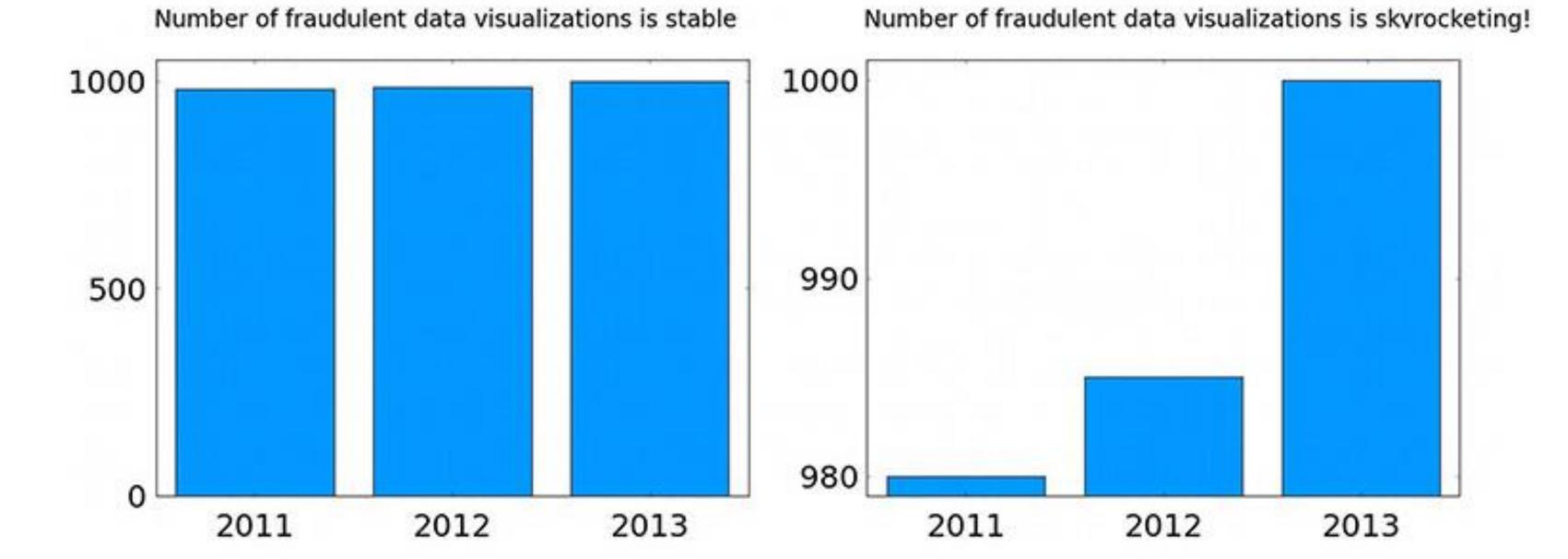




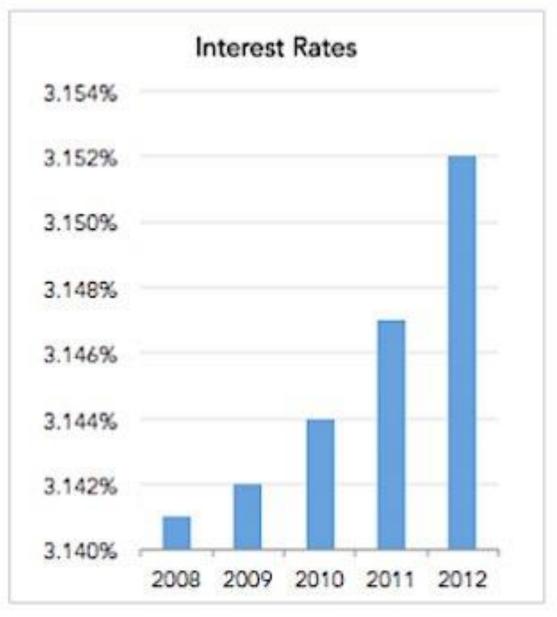


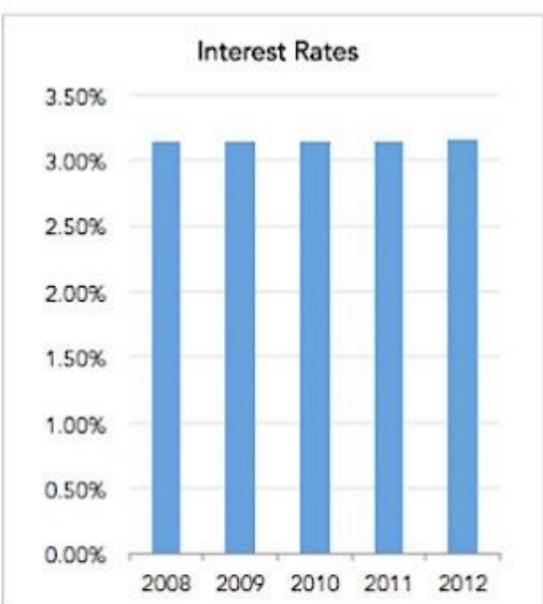


The Y-axis

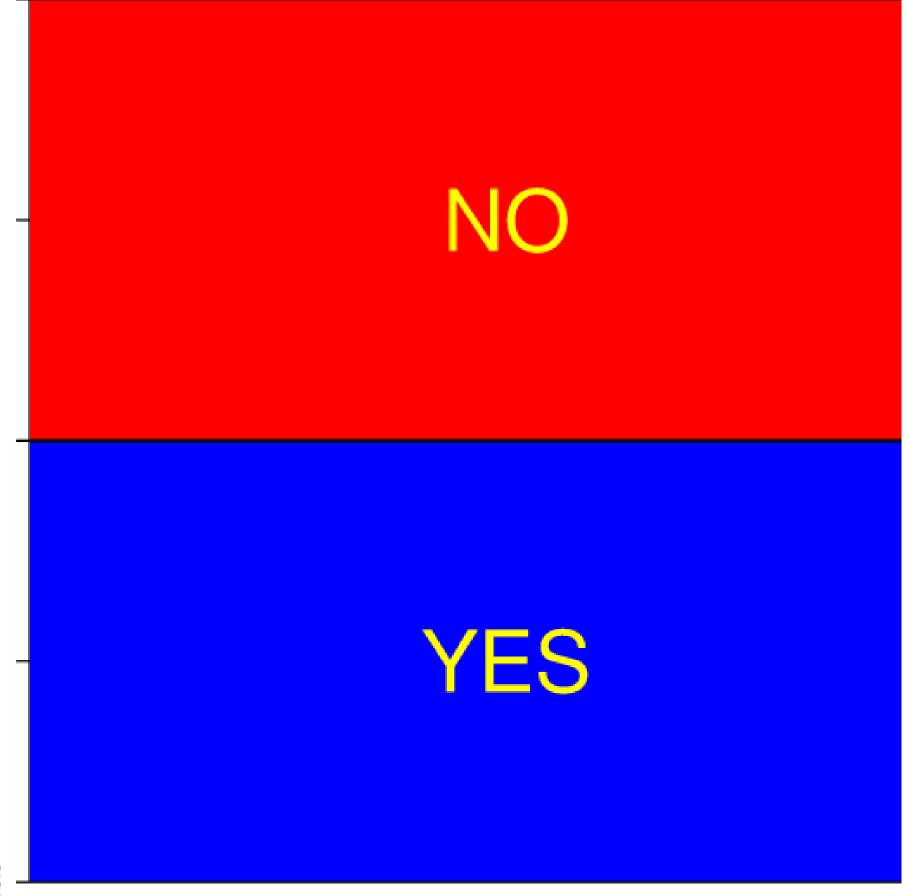


Same Data, Different Y-Axis



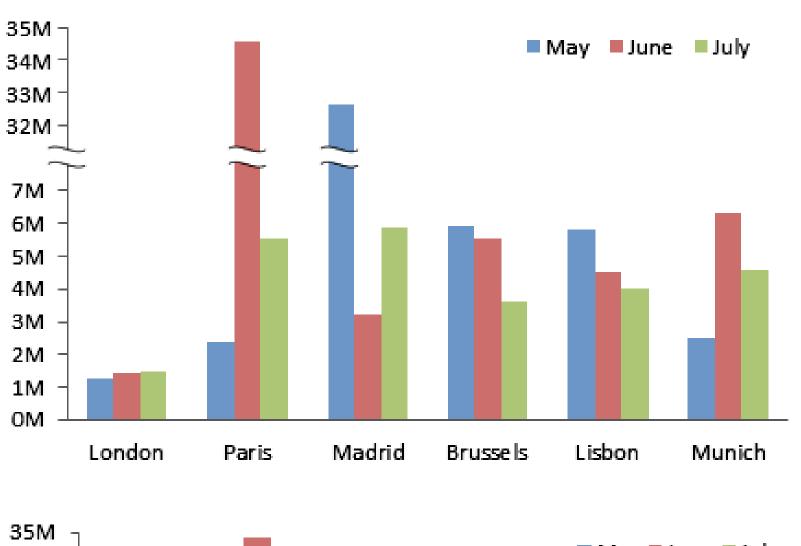


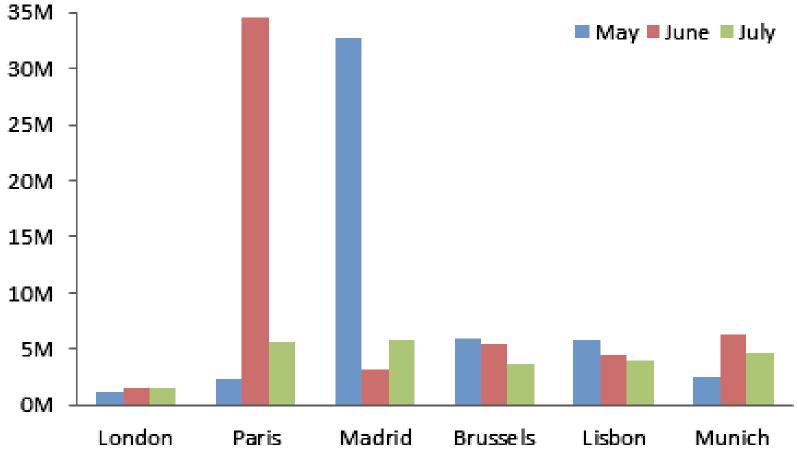
IS CUTTING OFF THE Y-AXIS MISLEADING?



YES

NO





CLICK TO STANDARDIZE AXIS RANGE



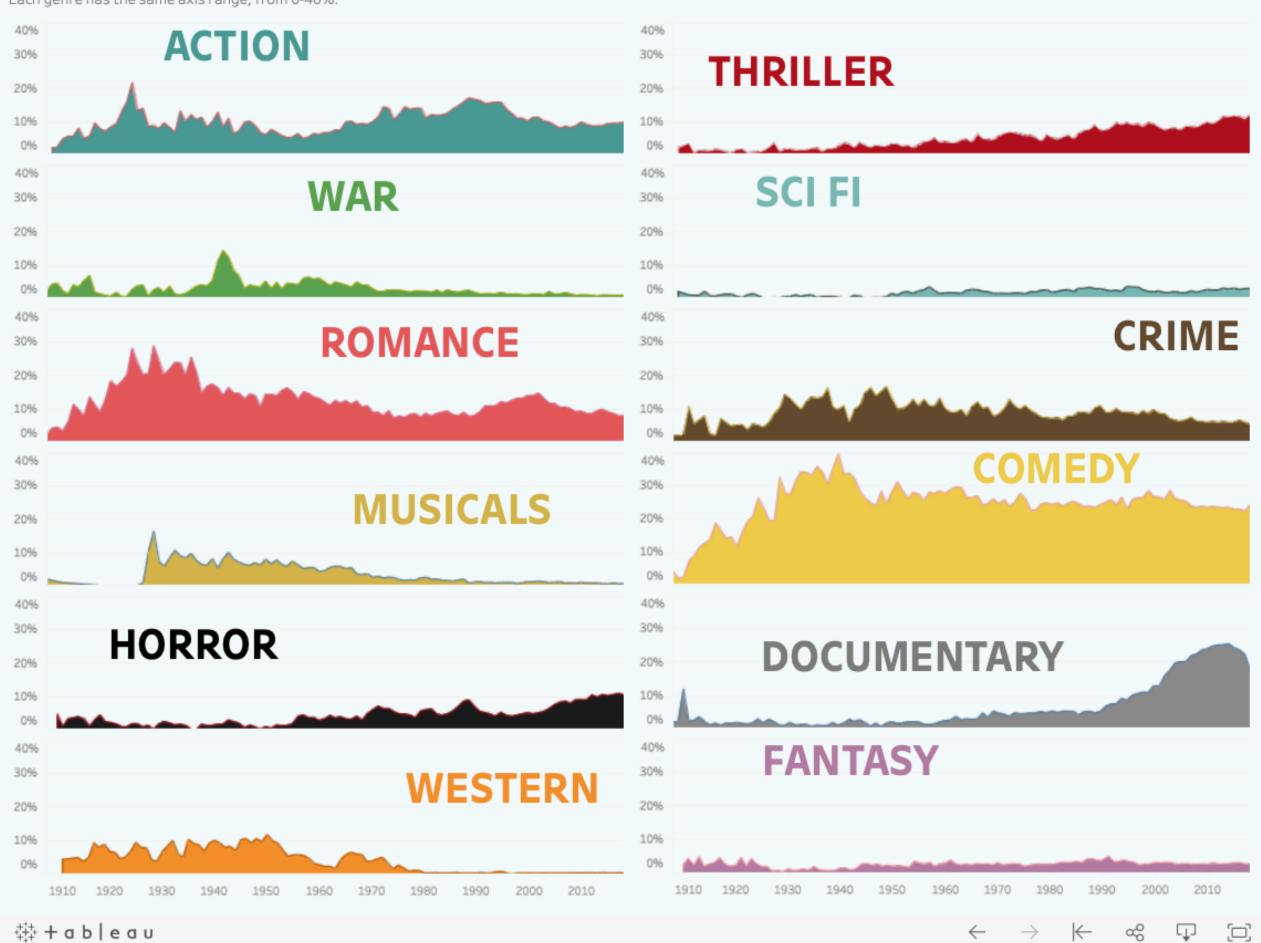
This graphic shows film genre popularity over time, represented as the percentage of all films released that year with the specified genre tagged on IMDB. Each genre has a different axis range, so these lines show popularity relative to other years, not necessarily relative to other genres.

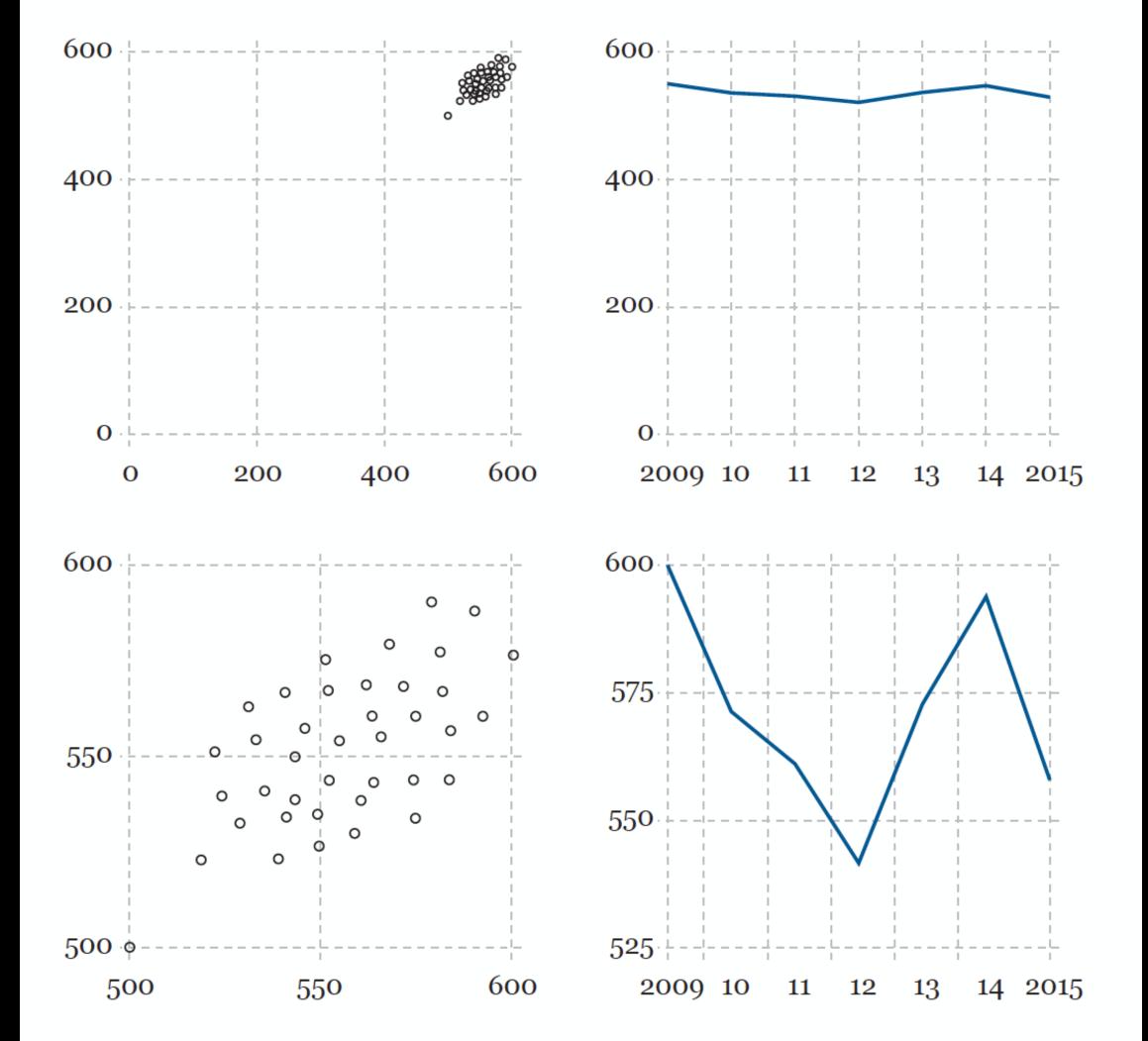


CLICK TO VARY AXIS RANGE

BO MCCREADY JOBOKNOW SDATA

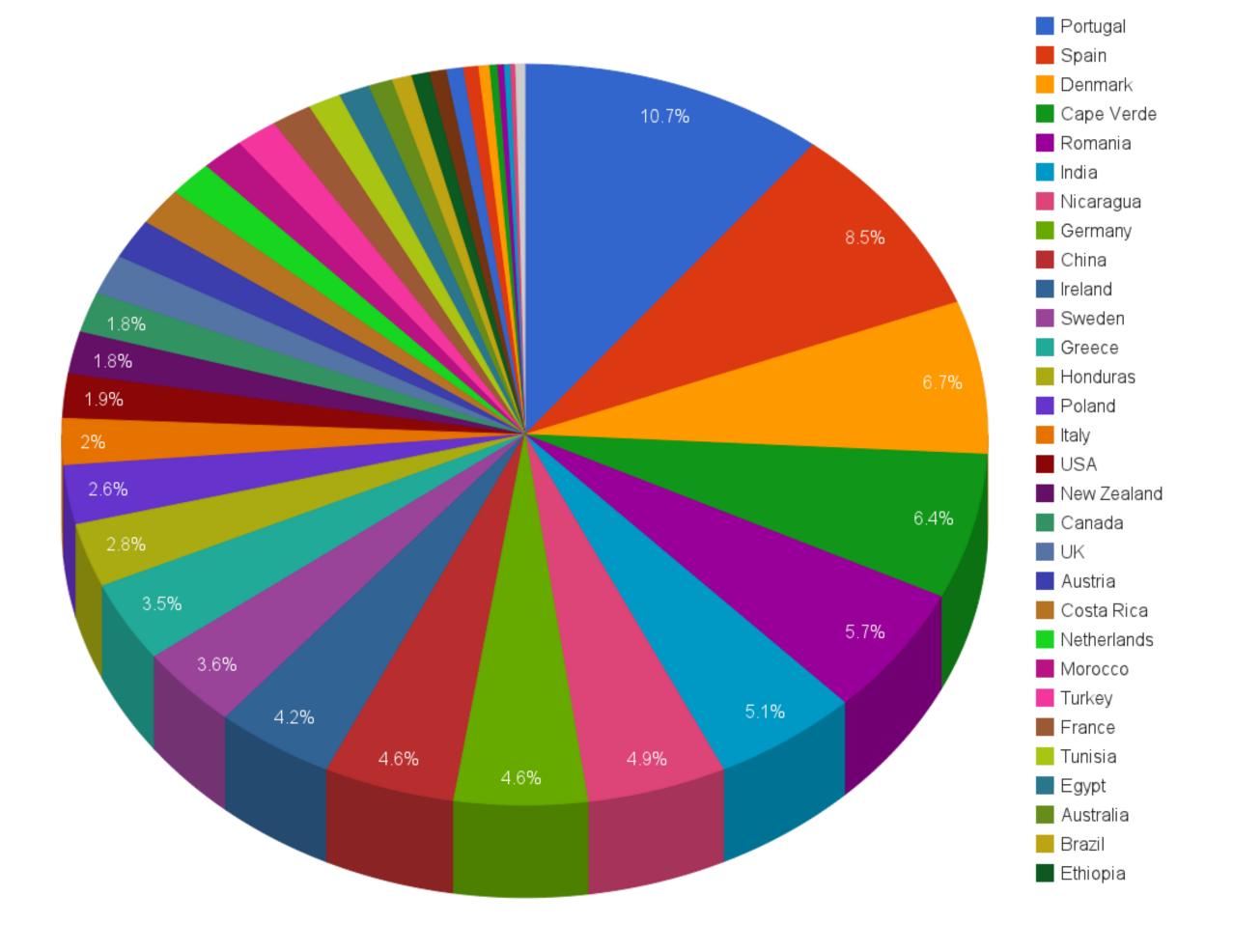
This graphic shows film genre popularity over time, represented as the percentage of all films released that year with the specified genre tagged on IMDB. Each genre has the same axis range, from 0-40%.

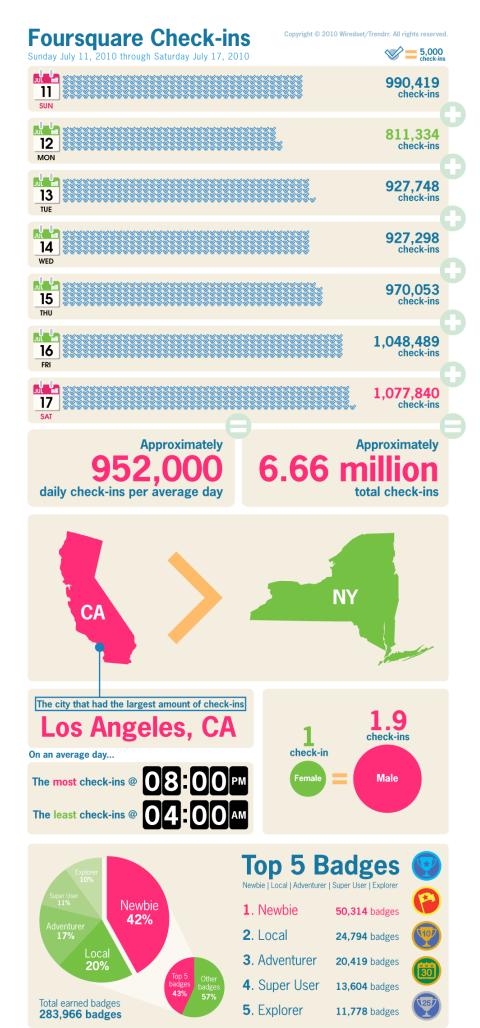






Color



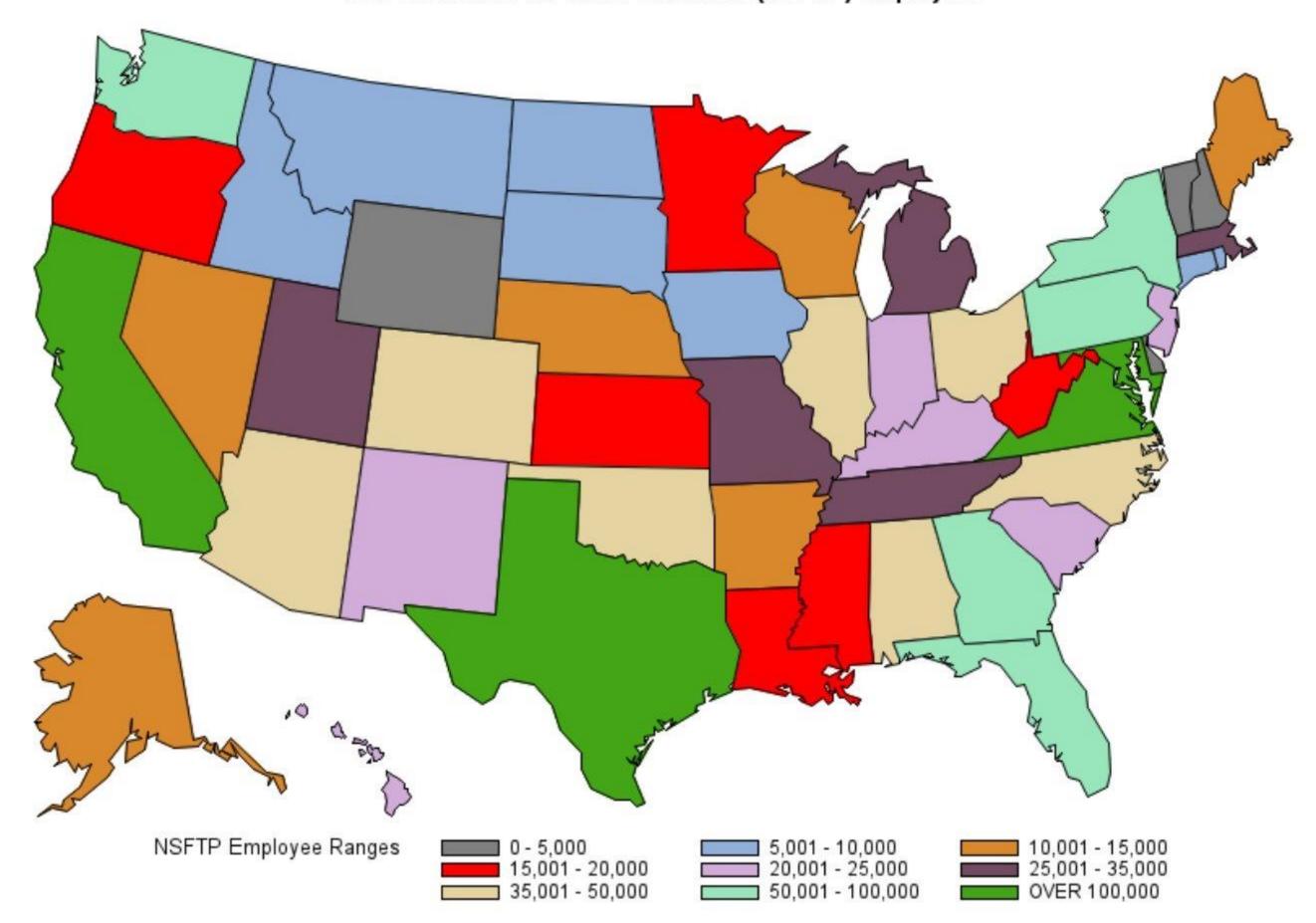


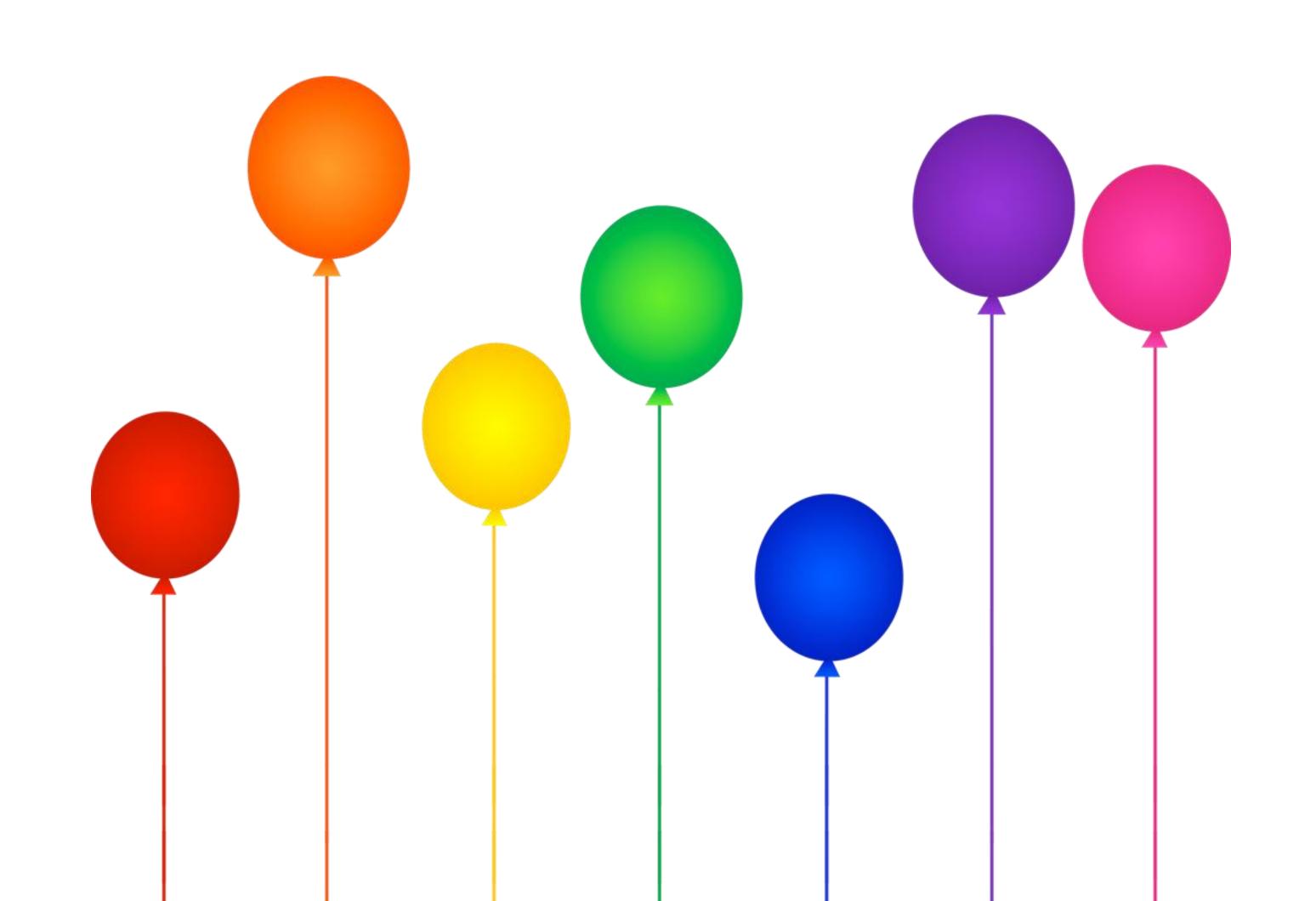
Approximately 952,000 daily check-ins per average day

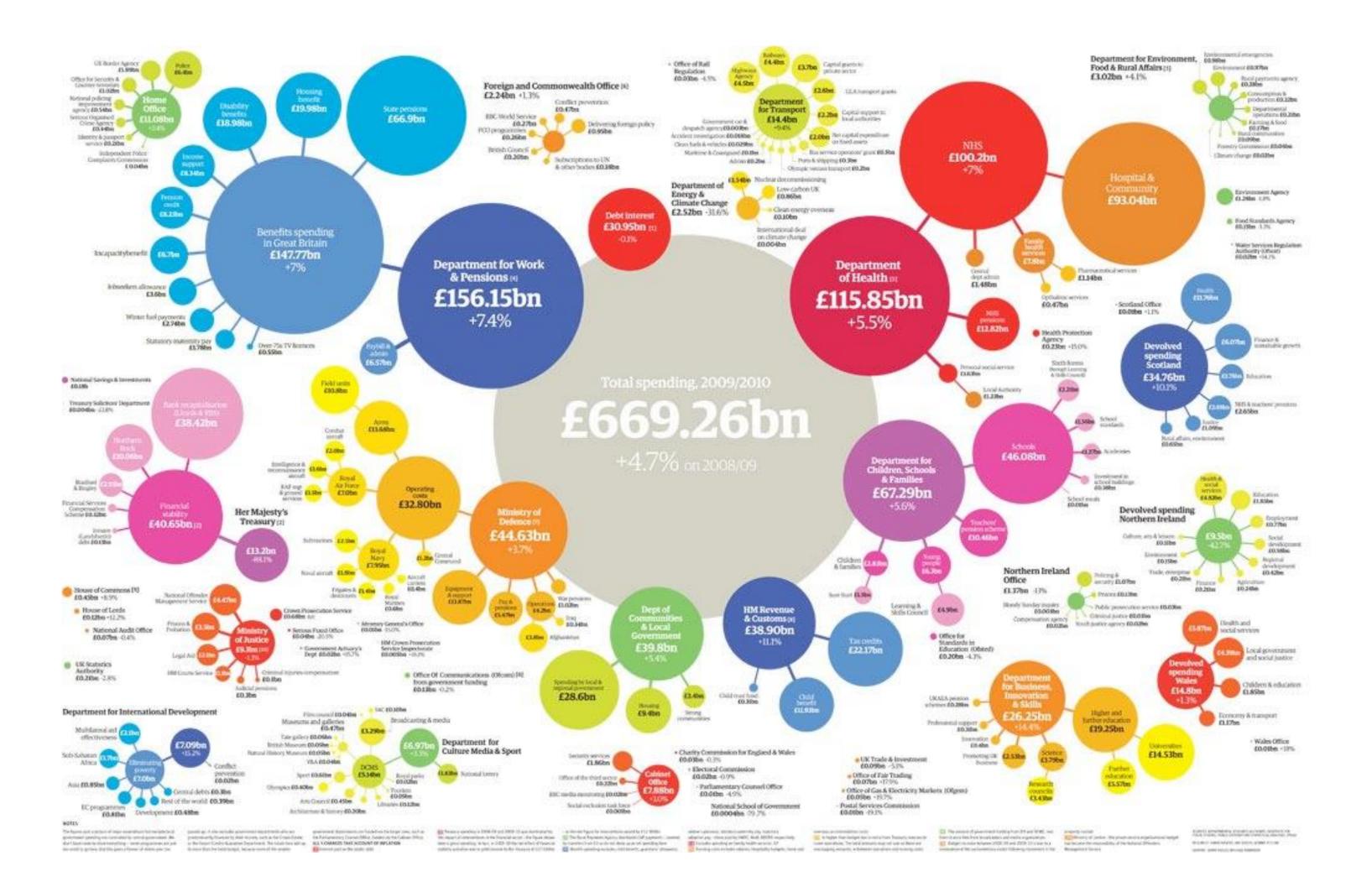
6.66 million total check-ins



U.S. MAP
Non-Seasonal Full-Time Permanent (NSFTP) Employees









Which chart?

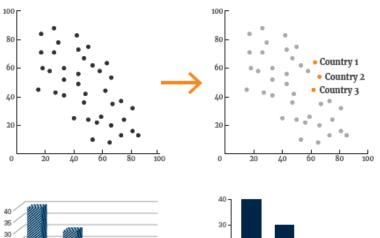
johngrimwade.com/iedc



Core Principles of Data Visualization

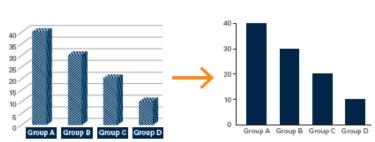
Show the data

People read graphs in a research report, article, or blog to understand the story being told. The data is the most important part of the graph and should be presented in the clearest way possible. But that does not mean that all of the data must be shown—indeed, many graphs show too much.



Reduce the clutter

Chart clutter, those unnecessary or distracting visual elements, will tend to reduce effectiveness. Clutter comes in the form of dark or heavy gridlines; unnecessary tick marks, labels, or text; unnecessary icons or pictures; ornamental shading and gradients; and unnecessary dimensions. Too often graphs use textured or filled gradients.



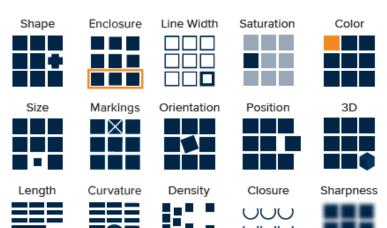
Integrate the text and the graph

Standard research reports often suffer from the **slideshow effect**, in which the writer narrates the text elements that appear in the graph. A better model is one in which visualizations are constructed to complement the text and at the same time to contain enough information to stand alone. As a simple example, legends that define or explain a line, bar, or point are often placed far from the content of the graph—off to the right or below the graph. Integrated legends—right below the title, directly on the chart, or at the end of a line—are more accessible.

Chart Title Here

Preattentive Processing

Effective data visualization taps into the brain's **preattentive visual processing.** Because our eyes detect a limited set of visual characteristics (such as shape and contrast), we combine various characteristics of an object and unconsciously perceive them as comprising an image. Preattentive processing refers to the cognitive operations that can be performed prior to focusing attention on any particular region of an image. In other words, it's the stuff you notice right away.





Visual vocabulary

Designing with data

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.

Distribution

Show values in a dataset and how often they occur. The shape (or 'skew') of a distribution can be a memorable way of highlighting the lack of uniformity or equality in the data.

Example uses
Income distribution, population (age/sex) distribution

Histogram



The standard way to show a statistical distribution - keep the gaps between columns small to highlight the 'shape' of the data.

Boxplot



Summarise multiple distributions by showing the median (centre) and range of the data

Violin plot



Similar to a box plot but more effective with complex distributions (data that cannot be summarised with simple average).

Population pyramid



A standard way for showing the age and sex breakdown of a population distribution; effectively, back to back histograms.

Dot strip plot



Good for showing individual values in a distribution, can be a problem when too many dots have the same value.

Dot plot



A simple way of showing the change or range (min/max) of data across multiple categories.

Barcode plot



Like dot strip plots, good for displaying all the data in a table, they work best when highlighting individual values.

Cumulative curve



A good way of showing how unequal a distribution is: y axis is always cumulative frequency, x axis is always a measure.

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View by List













Arc Diagram

Area Graph

Bar Chart

Box & Whisker Plot

Brainstorm

Bubble Chart

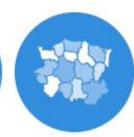












Bubble Map

Bullet Graph

Calendar

Candlestick Chart

Chord Diagram

Choropleth Map













Circle Packing

Connection Map

Density Plot

Donut Chart

Dot Map

Dot Matrix Chart



Error Bars











Histogram

Flow Chart Flow Map

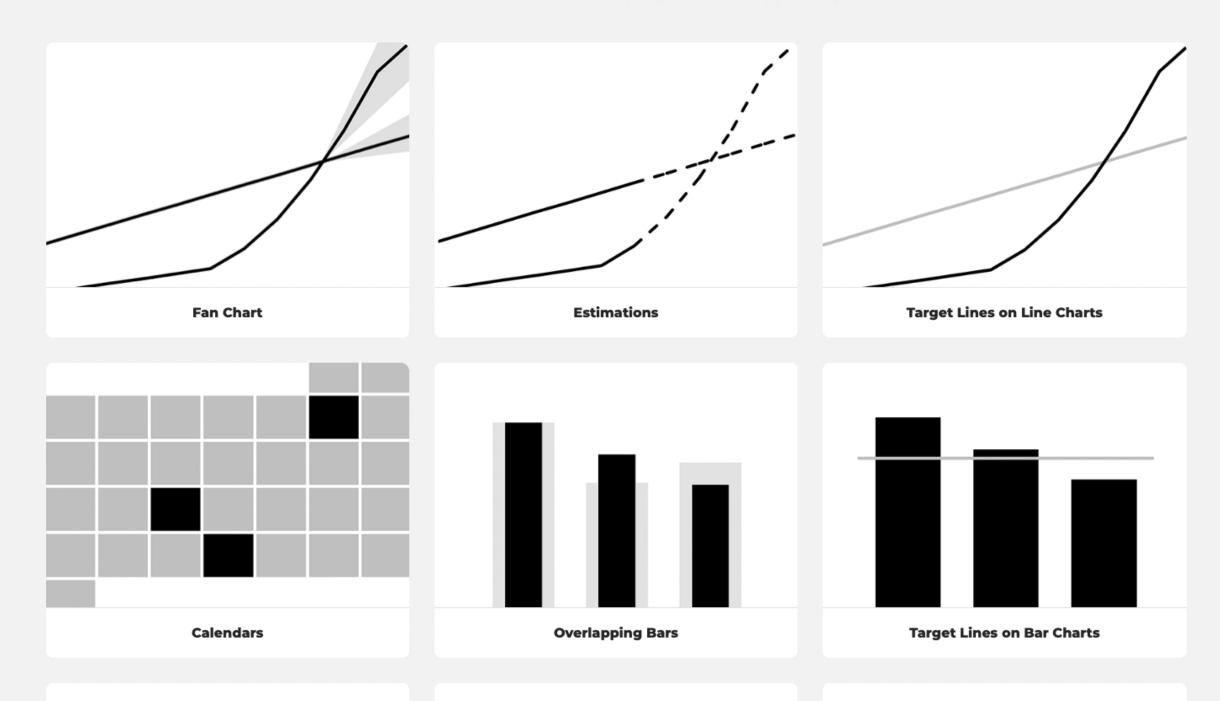
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Interactive Chart Chooser

Wondering which type of graph is the best fit for your data? Explore our interactive chart chooser using the filters. For example, if you click on 3+ Points in Time, you'll see familiar faces like line graphs and meet new friends like multimedia timelines.

All | 1 Point in Time | 2 Points in Time | 3+ Points in Time | Comparisons | Correlation | Distribution | Exploratory | Part to Whole | Progress Towards Goals | Relationships



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Chart Chooser brought to you by Juice Analytic



Need more juice? Check out Juicebox a new kind of tool for presenting data.

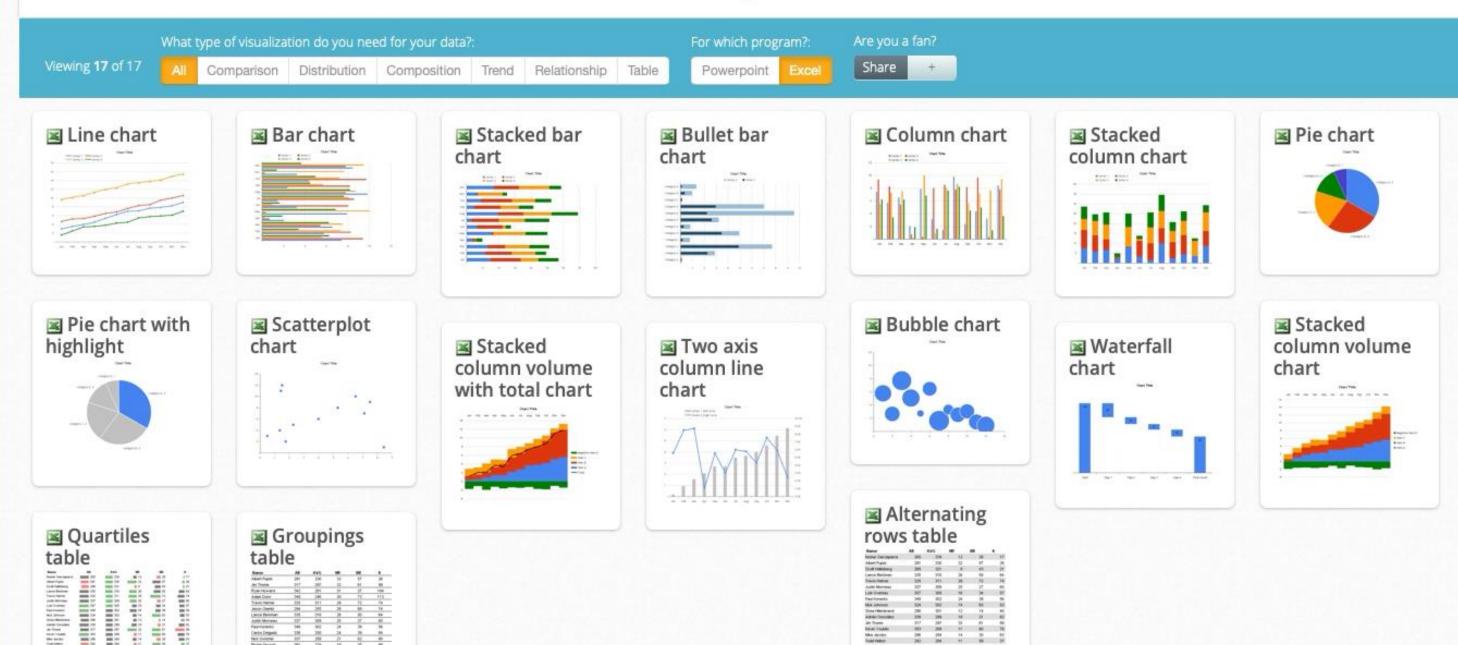
SCHEDULE A DEMO

LEARN MORE

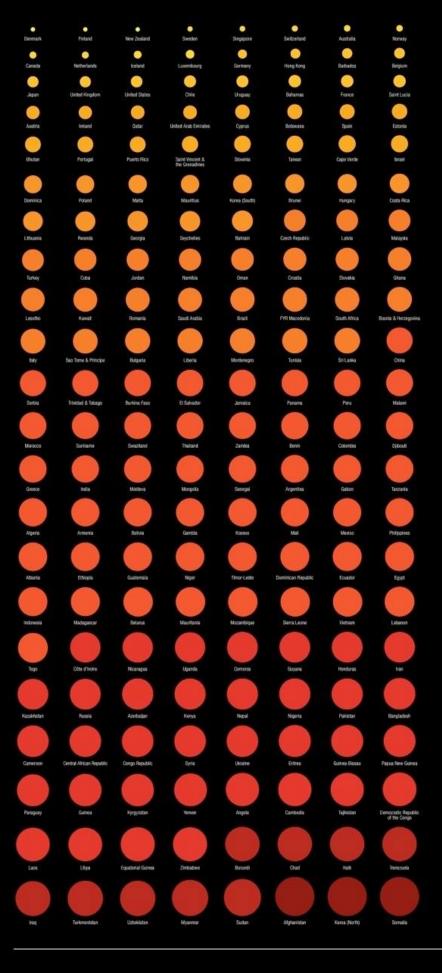
Welcome to Chart Chooser — our favorite tool for improved Excel and PowerPoint charts.

Use the filters below to find the right chart type for your needs, then download as Excel or PowerPoint templates and insert your own data.

Learn more about the origins of Chart Chooser here.



labs.juiceanalytics.com/chartchooser

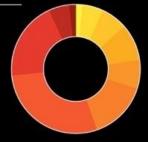


HOW CORRUPT IS YOUR COUNTRY?

The perceived levels of public sector corruption in 176 countries/territories around the world.

GLOBAL

70% of countries score less than 50 out of 100. 43 is the average score worldwide.





AMERICAS

66% score below 50 Top: Canada Bottom: Haiti, Venezuela

ASIA PACIFIC

68% score below 50 Top: New Zealand Bottom: Afghanistan, Korea (North)





EASTERN EUROPE & CENTRAL ASIA 95% score below 50

Top: Georgia Bottom: Turkmenistan, Uzbekistan

EU & WESTERN EUROPE

23% score below 50 Top: Denmark, Finland Bottom: Greece





MIDDLE EAST & NORTH AFRICA

78% score below 50 Top: Qatar, United Arab Emirates Bottom: Iraq

SUB-SAHARAN AFRICA 90% score below 50

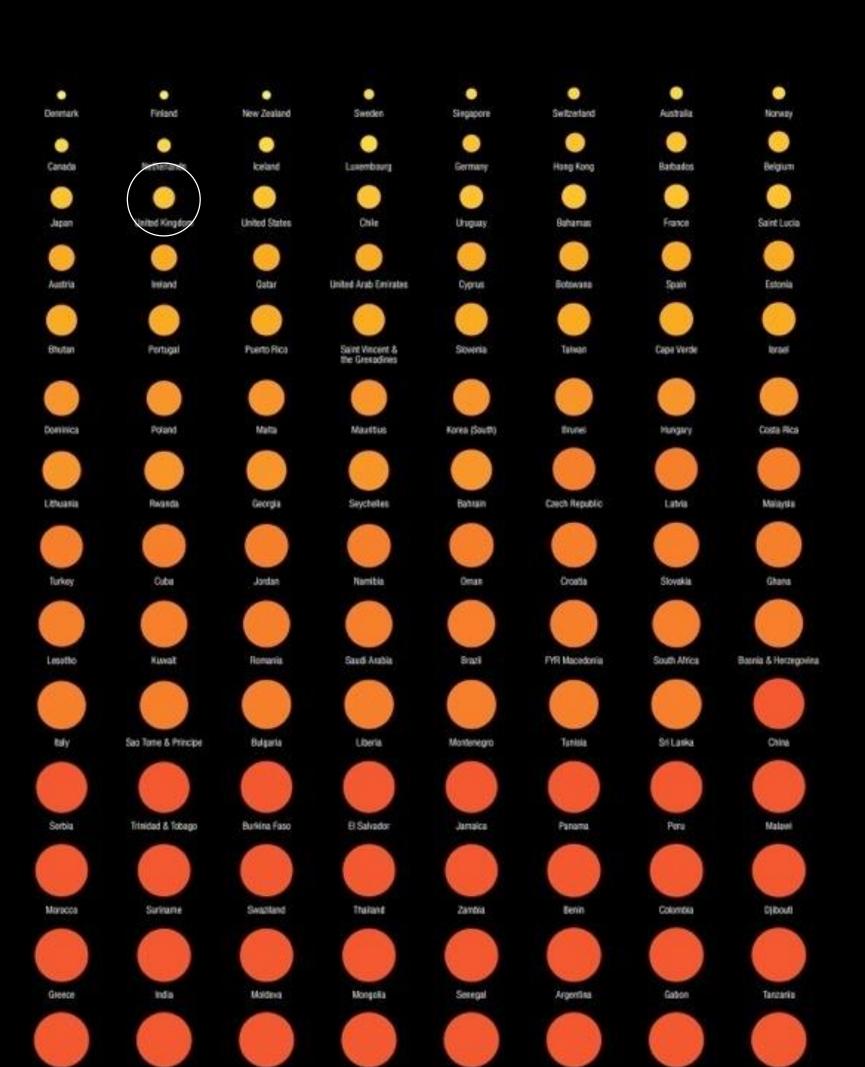
Top: Botswana Bottom: Somalia



Source: Corruption Perceptions Index 2012







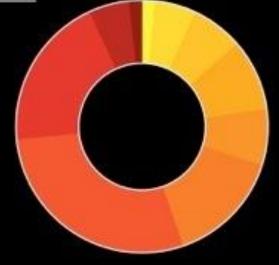
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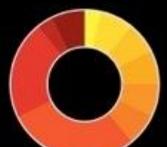
AMERICAS

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ASIA PACIFIC

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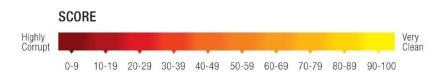
Top: New Zealand Bottom: Afghanistan, Korea (North)





CORRUPTION PERCEPTIONS INDEX

The perceived levels of public sector corruption in 176 countries/territories around the world.



Denmark 90 Finland 90 90 New Zealand Sweden 88 Singapore 87 Switzerland 86 85 Australia 85 Norway Canada 84 Netherlands 84 82 Iceland 80 Luxembourg 79 Germany Hong Kong 77 Barbados 76 75 Belgium 74 Japan 74 United Kingdom United States 73 Chile 72 72 Uruguay

Bahamas

22 France

71

71

RANK COUNTRY/TERRITORY SCORE

22	Saint Lucia	71
25	Austria	69
25	Ireland	69
27	Qatar	68
27	United Arab Emirates	68
29	Cyprus	66
30	Botswana	65
30	Spain	65
32	Estonia	64
33	Bhutan	63
33	Portugal	63
33	Puerto Rico	63
	Saint Vincent and the Grenadines	62
37	Slovenia	61
37	Taiwan	61
	Cape Verde	60
	Israel	60
41	Dominica	58
41	Poland	58
43	Malta	57
43	Mauritius	57
45	Korea (South)	56
46	Brunei	55

RANK	COUNTRY/TERRITORY	SCORE
46	Hungary	55
48	Costa Rica	54
48	Lithuania	54
50	Rwanda	53
51	Georgia	52
51	Seychelles	52
53	Bahrain	51
54	Czech Republic	49
54	Latvia	49
54	Malaysia	49
54	Turkey	49
58	Cuba	48
58	Jordan	48
58	Namibia	48
61	Oman	47
62	Croatia	46
62	Slovakia	46
64	Ghana	45
64	Lesotho	45
66	Kuwait	44
66	Romania	44
66	Saudi Arabia	44
69	Brazil	43

69	FYR Macedonia	43
69	South Africa	43
72	Bosnia and Herzegovina	42
72	Italy	42
72	Sao Tome and Principe	42
75	Bulgaria	41
75	Liberia	41
75	Montenegro	41
75	Tunisia	41
79	Sri Lanka	40
80	China	39
80	Serbia	39
80	Trinidad and Tobago	39
83	Burkina Faso	38
83	El Salvador	38
83	Jamaica	38
83	Panama	38
83	Peru	38
88	Malawi	37
88	Morocco	37
88	Suriname	37
88	Swaziland	37

88 Thailand 37 88 Zambia 37 94 Benin 36 94 Colombia 36 94 Djibouti 36 94 Greece 36 94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33 113 Ethiopia 33	RANK	COUNTRY/TERRITORY	SCORE
94 Benin 36 94 Colombia 36 94 Djibouti 36 94 Greece 36 94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Bolivia 34 105 Gambia 34 105 Mali 34 105 Mexico 34 105 Philippines 34 105 Philippines 34	88	Thailand	37
94 Colombia 36 94 Djibouti 36 94 Greece 36 94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 105 Philippines 34	88	Zambia	37
94 Djibouti 36 94 Greece 36 94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Gambia 34 105 Mali 34 105 Mali 34 105 Philippines 34 105 Philippines 34	94	Benin	36
94 Greece 36 94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Bolivia 34 105 Gambia 34 105 Mali 34 105 Mexico 34 105 Philippines 34 105 Philippines 34	94	Colombia	36
94 India 36 94 Moldova 36 94 Mongolia 36 94 Senegal 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	94	Djibouti	36
94 Moldova 36 94 Mongolia 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	94	Greece	36
94 Mongolia 36 94 Senegal 36 102 Argentina 35 102 Gabon 35 105 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Gambia 34 105 Gambia 34 105 Mali 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	94	India	36
94 Senegal 36 102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	94	Moldova	36
102 Argentina 35 102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 105 Albania 33	94	Mongolia	36
102 Gabon 35 102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 105 Philippines 34 113 Albania 33	94	Senegal	36
102 Tanzania 35 105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	102	Argentina	35
105 Algeria 34 105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	102	Gabon	35
105 Armenia 34 105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	102	Tanzania	35
105 Bolivia 34 105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	105	Algeria	34
105 Gambia 34 105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	105	Armenia	34
105 Kosovo 34 105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	105	Bolivia	34
105 Mali 34 105 Mexico 34 105 Philippines 34 113 Albania 33	105	Gambia	34
105 Mexico 34 105 Philippines 34 113 Albania 33	105	Kosovo	34
105 Philippines 34 113 Albania 33	105	Mali	34
113 Albania 33	105	Mexico	34
	105	Philippines	34
113 Ethiopia 33	113	Albania	33
	113	Ethiopia	33

113	Guatemala	33
113	Niger	33
113	Timor-Leste	33
118	Dominican Republic	32
118	Ecuador	32
118	Egypt	32
118	Indonesia	32
118	Madagascar	32
123	Belarus	31
123	Mauritania	31
123	Mozambique	31
123	Sierra Leone	31
123	Vietnam	31
128	Lebanon	30
128	Togo	30
130	Côte d'Ivoire	29
130	Nicaragua	29
130	Uganda	29
133	Comoros	28
133	Guyana	28
133	Honduras	28
133	Iran	28
133	Kazakhstan	28

RANK	COUNTRY/TERRITORY	SCORE
133	Russia	28
139	Azerbaijan	27
139	Kenya	27
139	Nepal	27
139	Nigeria	27
139	Pakistan	27
144	Bangladesh	26
144	Cameroon	26
144	Central African Republic	26
144	Congo Republic	26
144	Syria	26
144	Ukraine	26
150	Eritrea	25
150	Guinea-Bissau	25
150	Papua New Guinea	25
150	Paraguay	25
154	Guinea	24
154	Kyrgyzstan	24
156	Yemen	23
157	Angola	22
157	Cambodia	22

Tajikistan Democratic Republic of the Congo Laos	22
Republic of the Congo	21
Laos	
territoria (anti-	21
Libya	21
Equatorial Guinea	20
Zimbabwe	20
Burundi	19
Chad	19
Haiti	19
Venezuela	19
Iraq	18
Turkmenistan	17
Uzbekistan	17
Myanmar	15
Sudan	13
Afghanistan	8
Korea (North)	8
Somalia	8
	Libya Equatorial Guinea Zimbabwe Burundi Chad Haiti Venezuela Iraq Turkmenistan Uzbekistan Myanmar Sudan Afghanistan Korea (North)



Pie chart

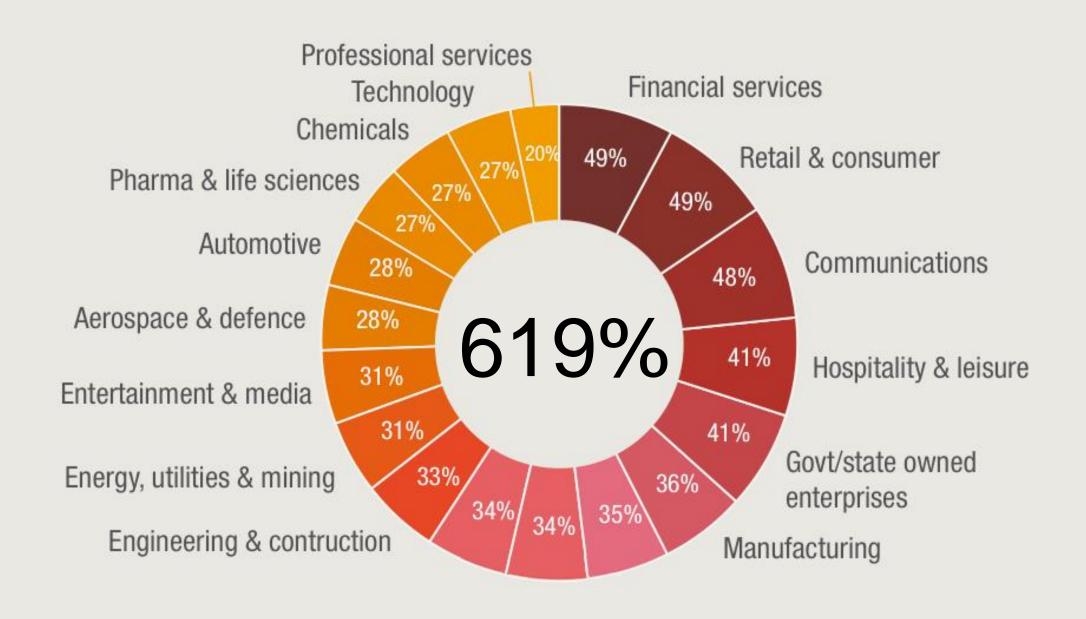


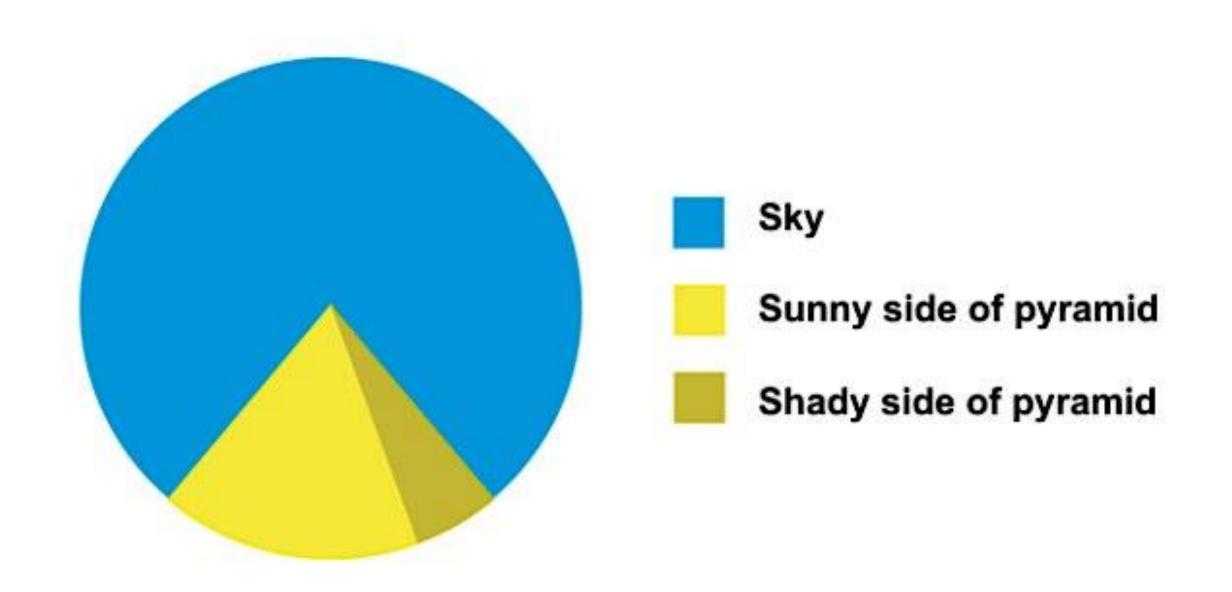
"The only worse design than a pie chart is several of them."

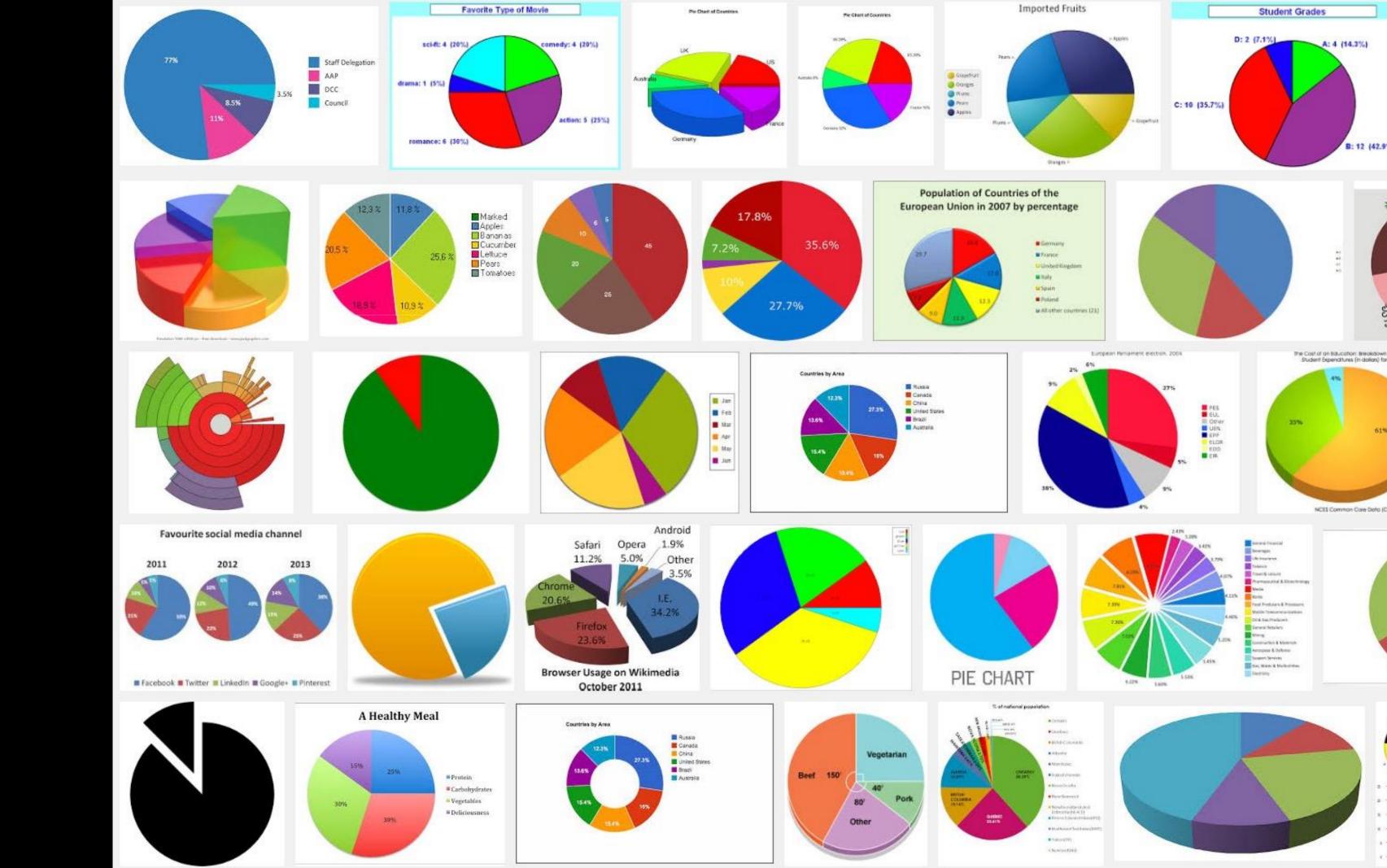
EDWARD TUFTE

Which industries are at risk?

By industry, economic crime is most commonly reported in the financial services, retail and consumer, and communications sectors. Nearly 50% of respondents in each said they had been crime victims.



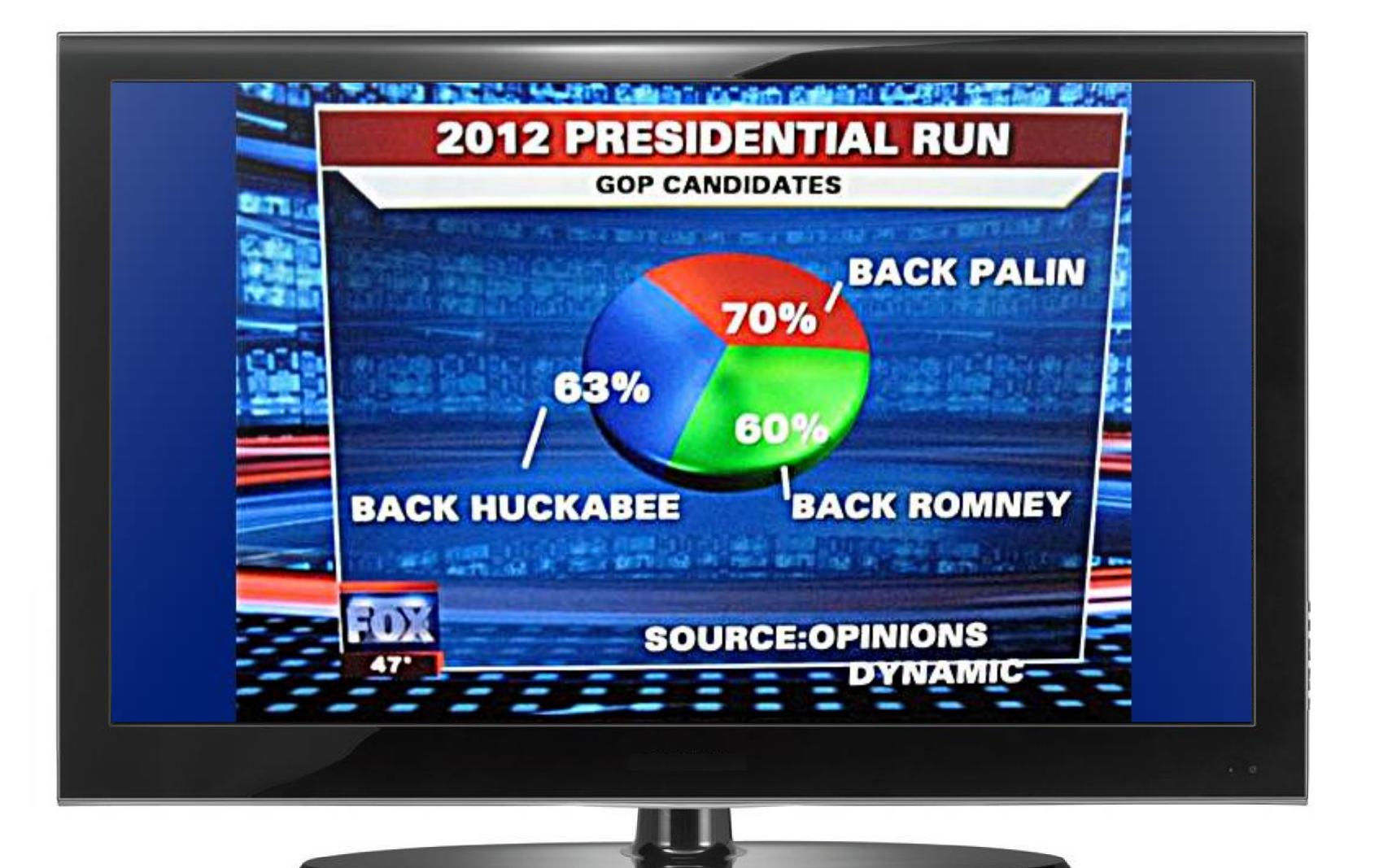


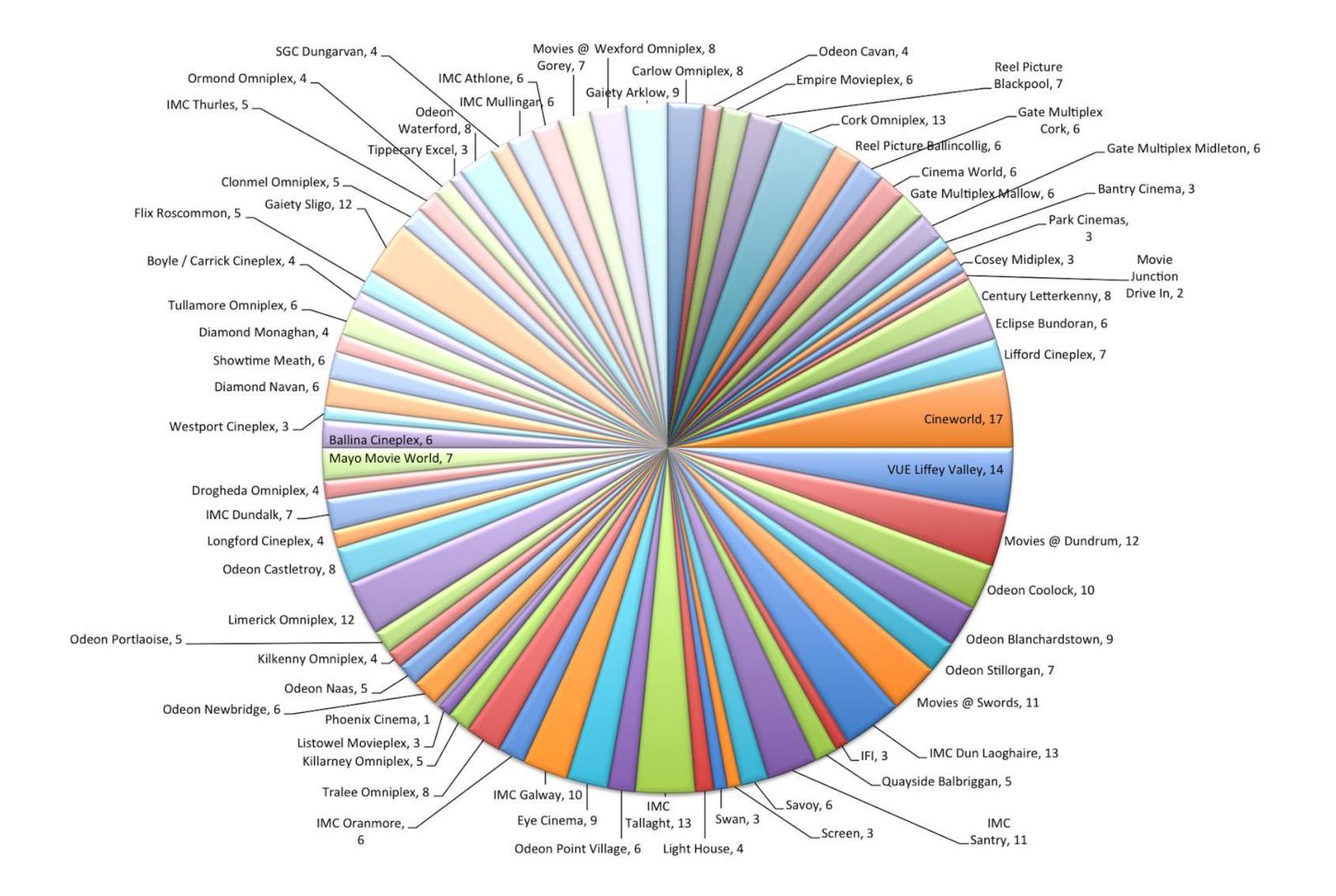


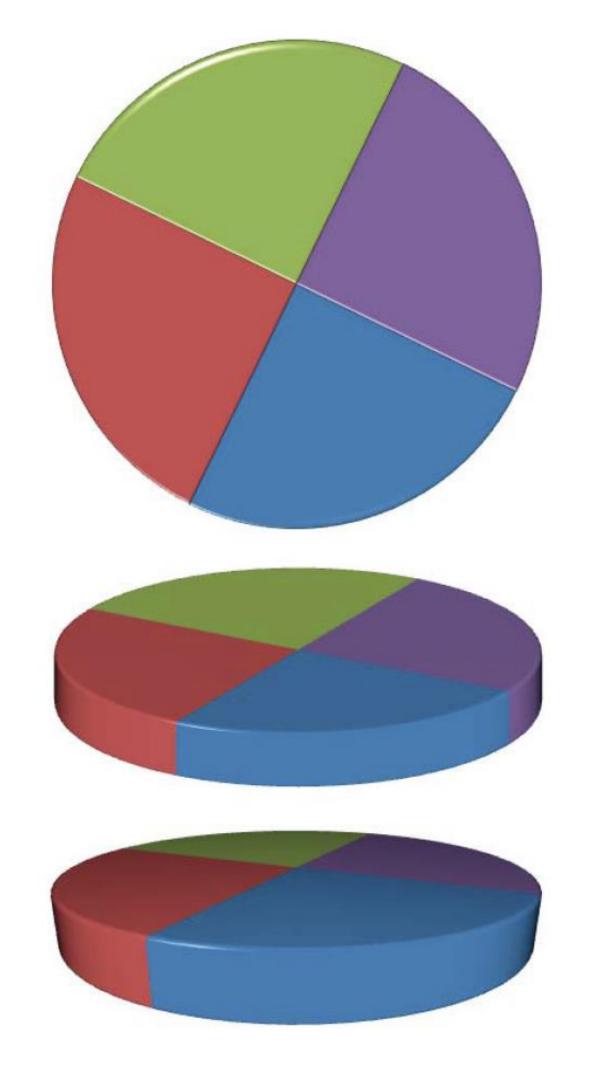
100%

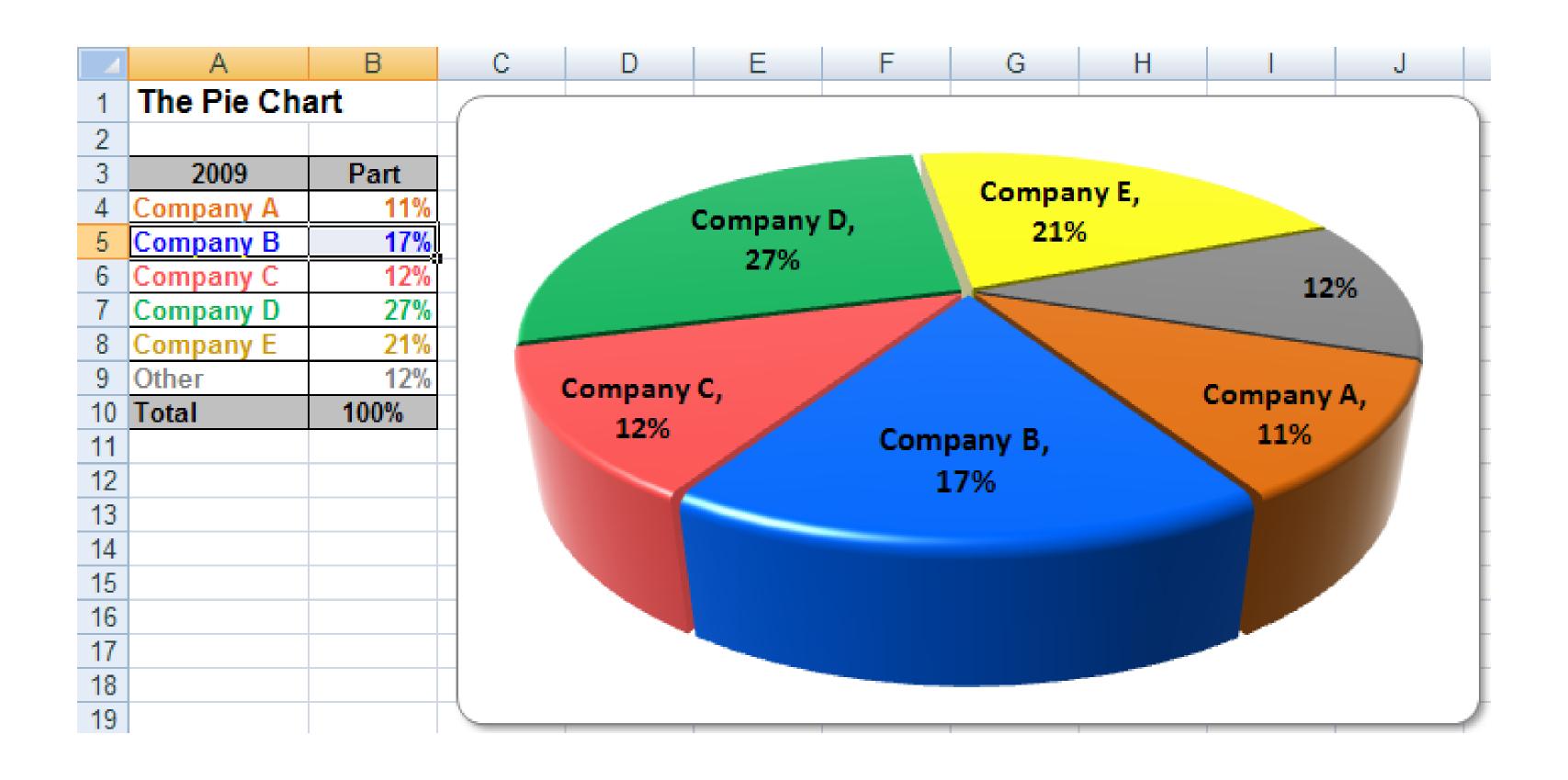
Parts of a whole.

The same data can be shown as bars, but the sense of the values being components of a complete item will not be as strong.











Bar chart

Work bests for categorical data.

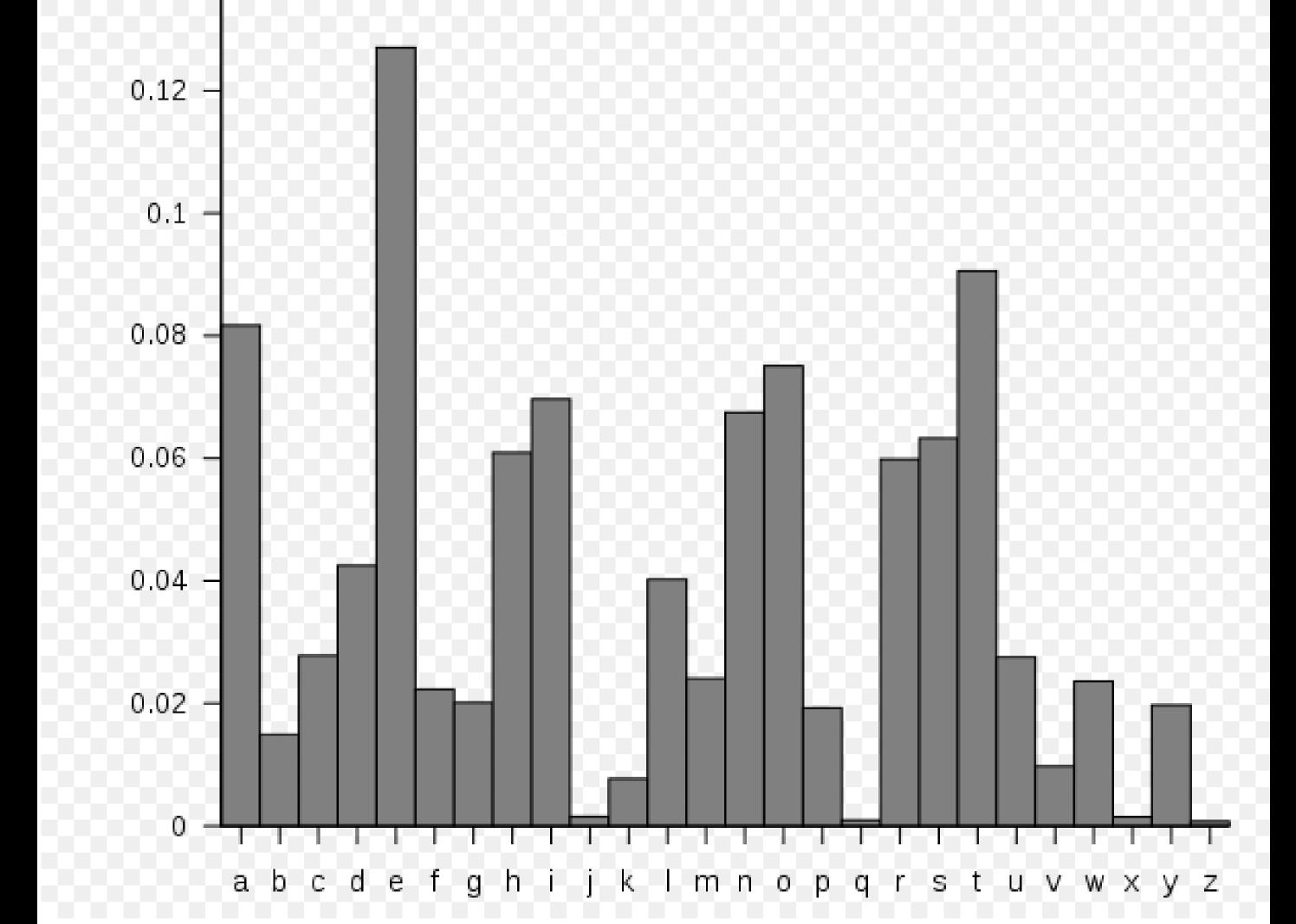
Easy to compare bar lengths.

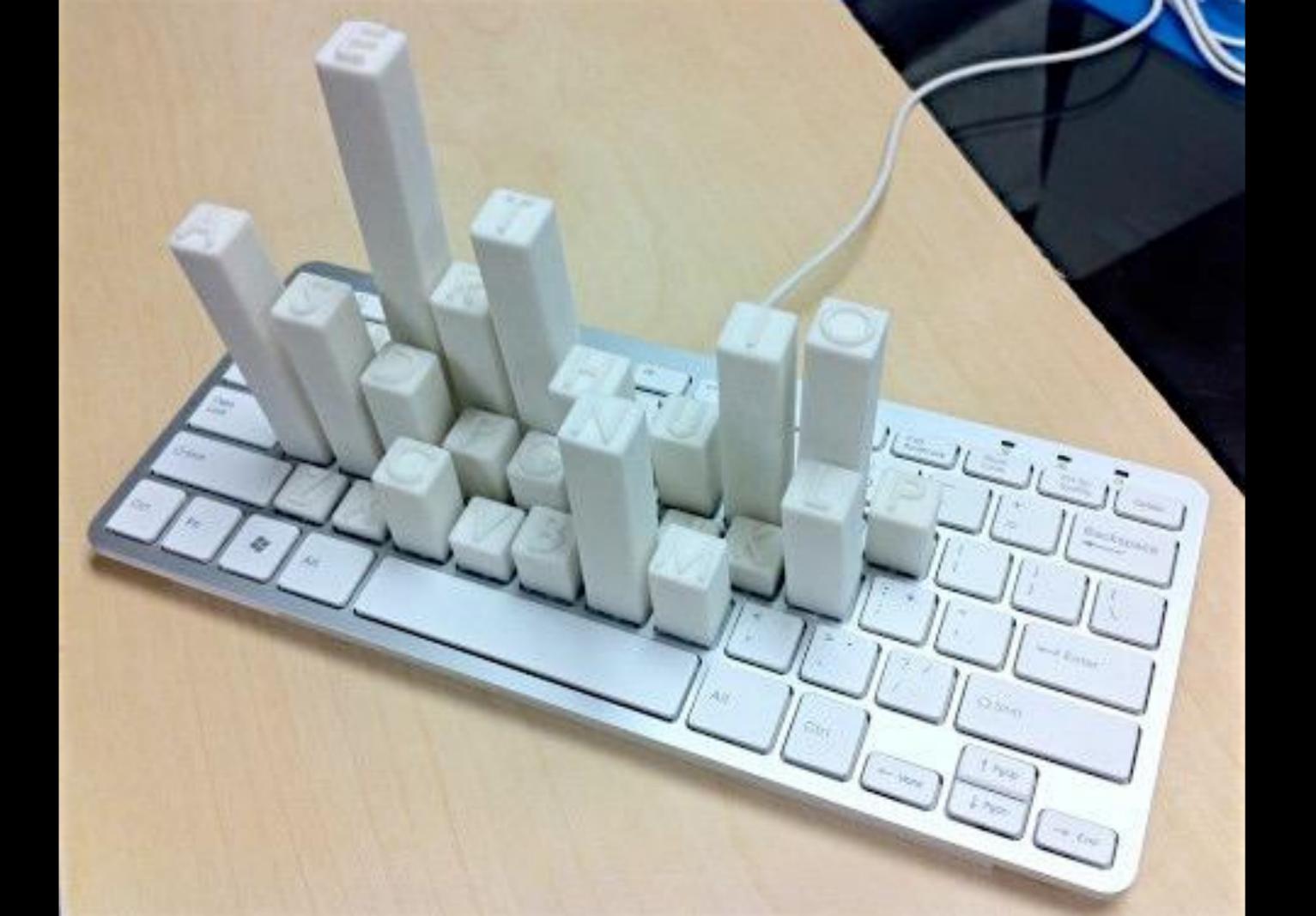
It's not easy to compare proportional shapes, especially when the differences are small.

EN QUIÉNES CONFIAMOS LOS MEXICANOS









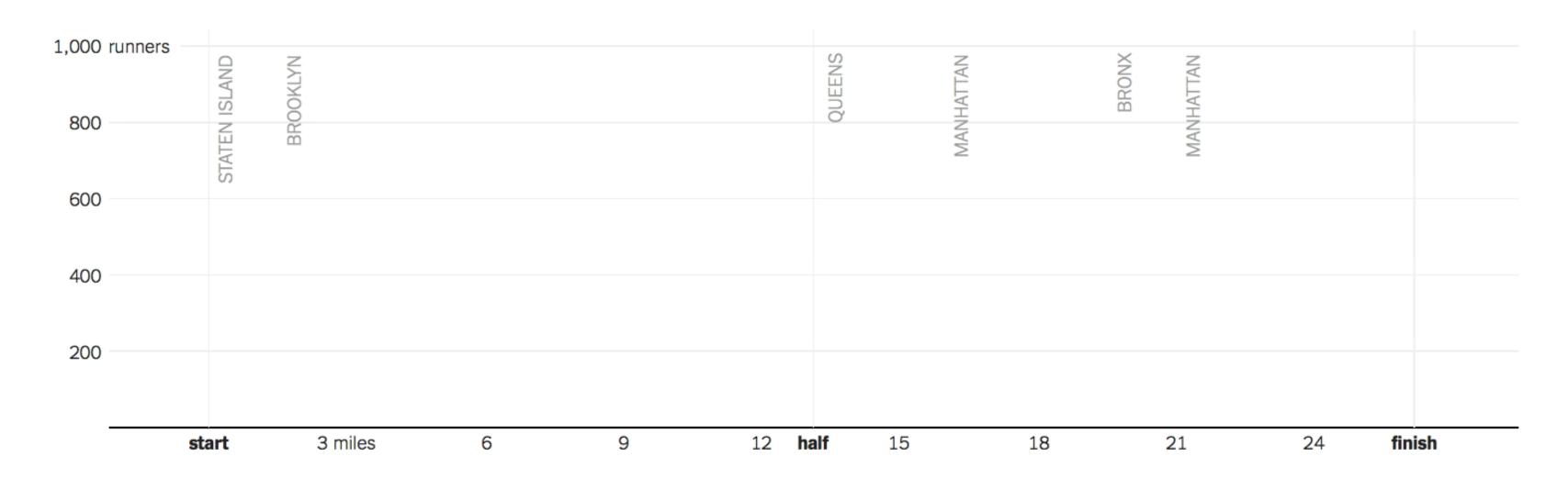


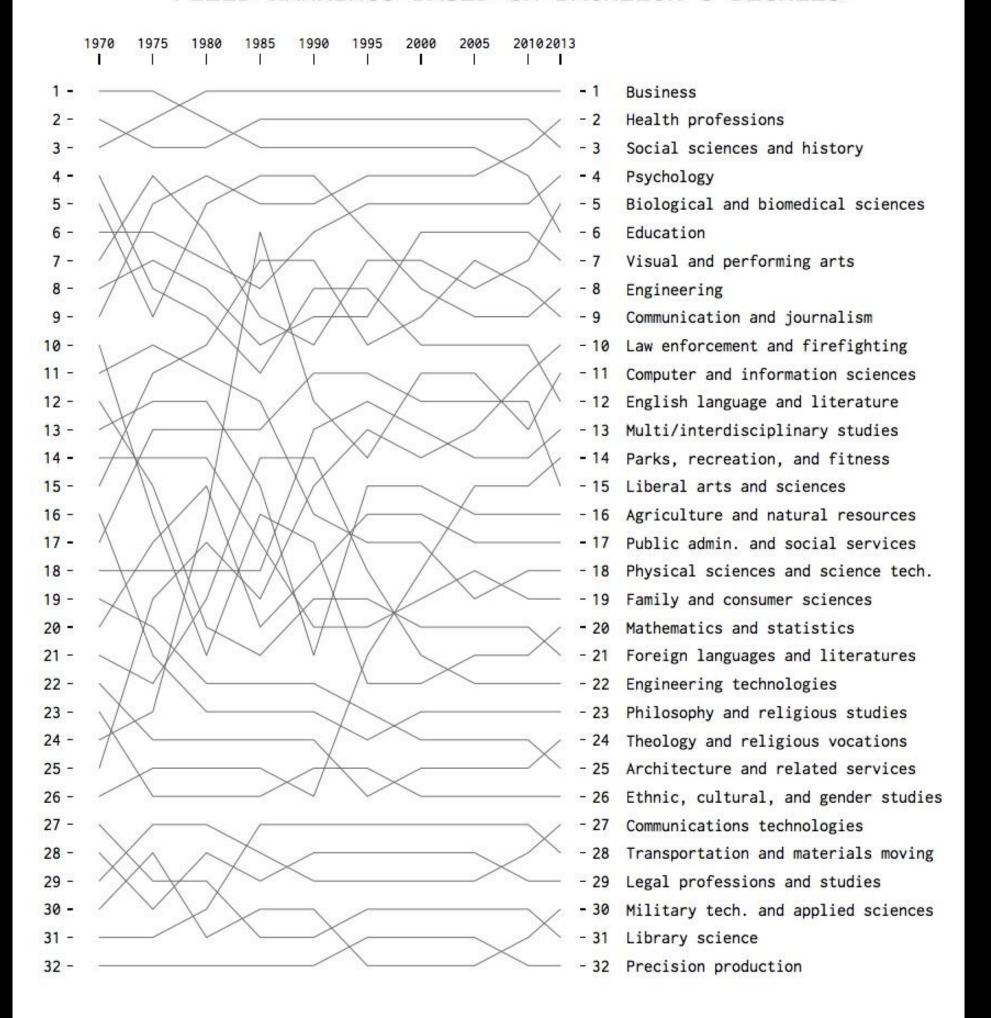
Fever chart

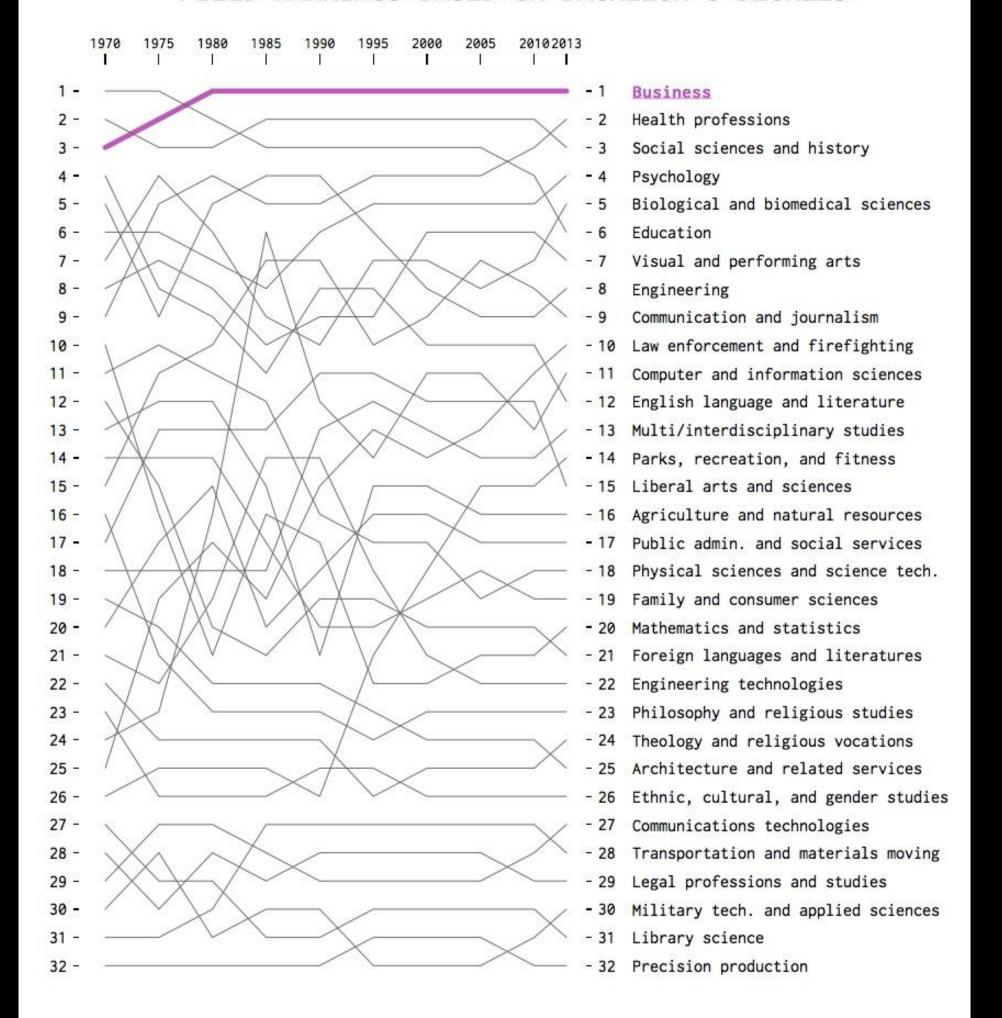
Shows changes over time.

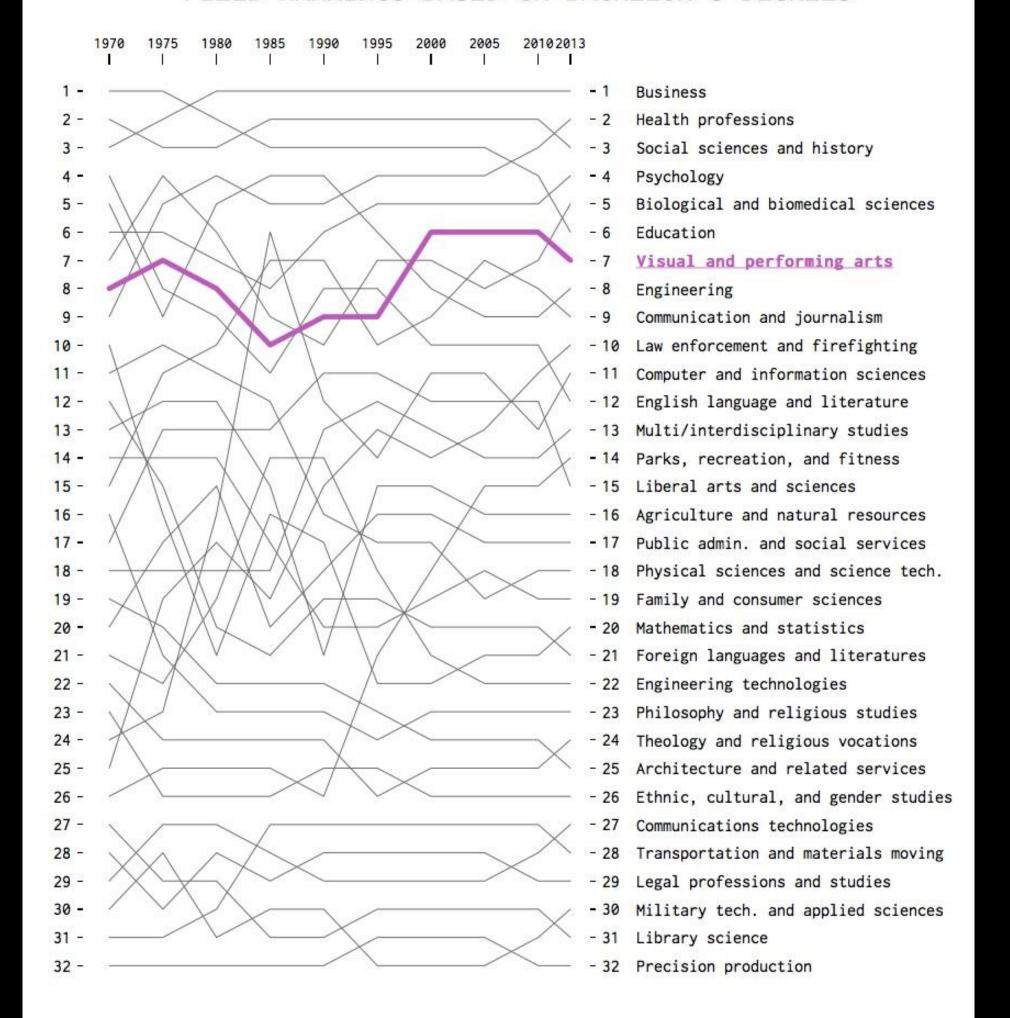
Works best for continuous data.

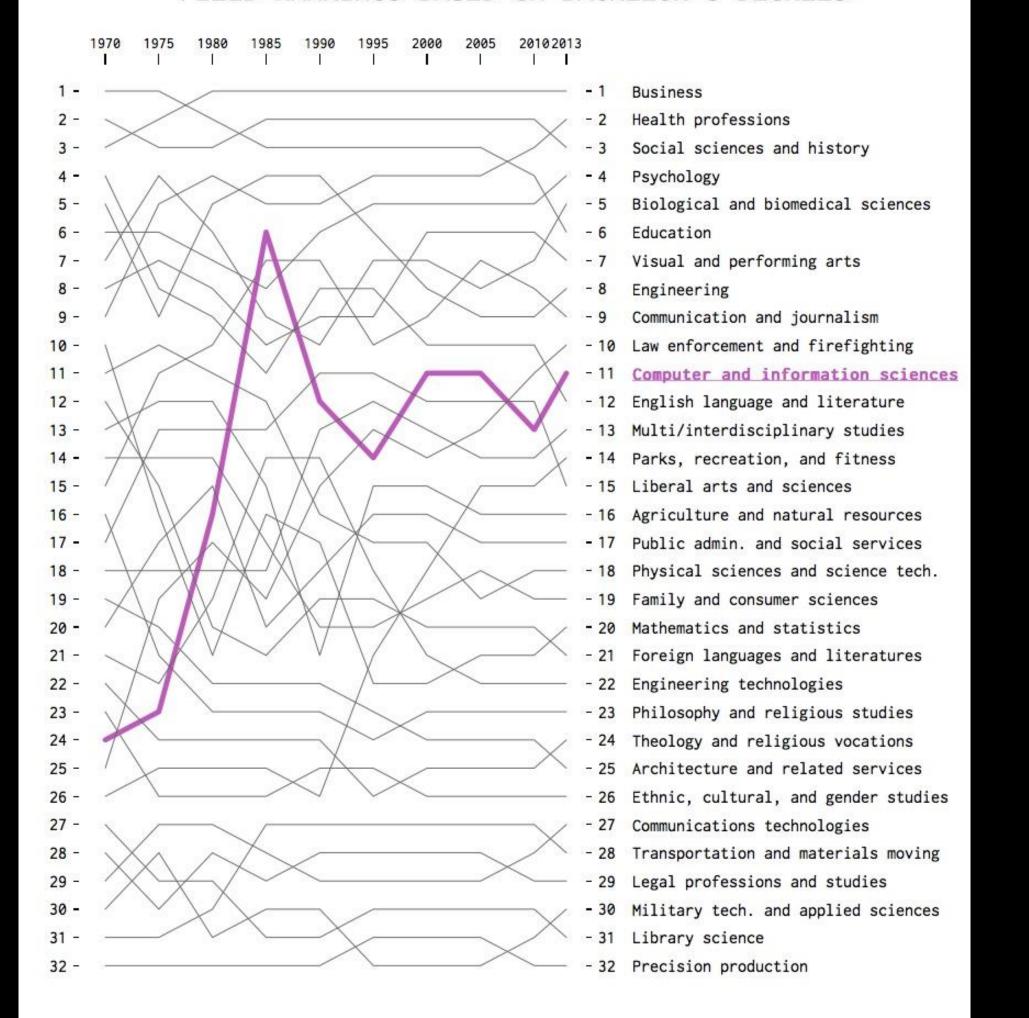
50,000 Runners, Moving in Waves

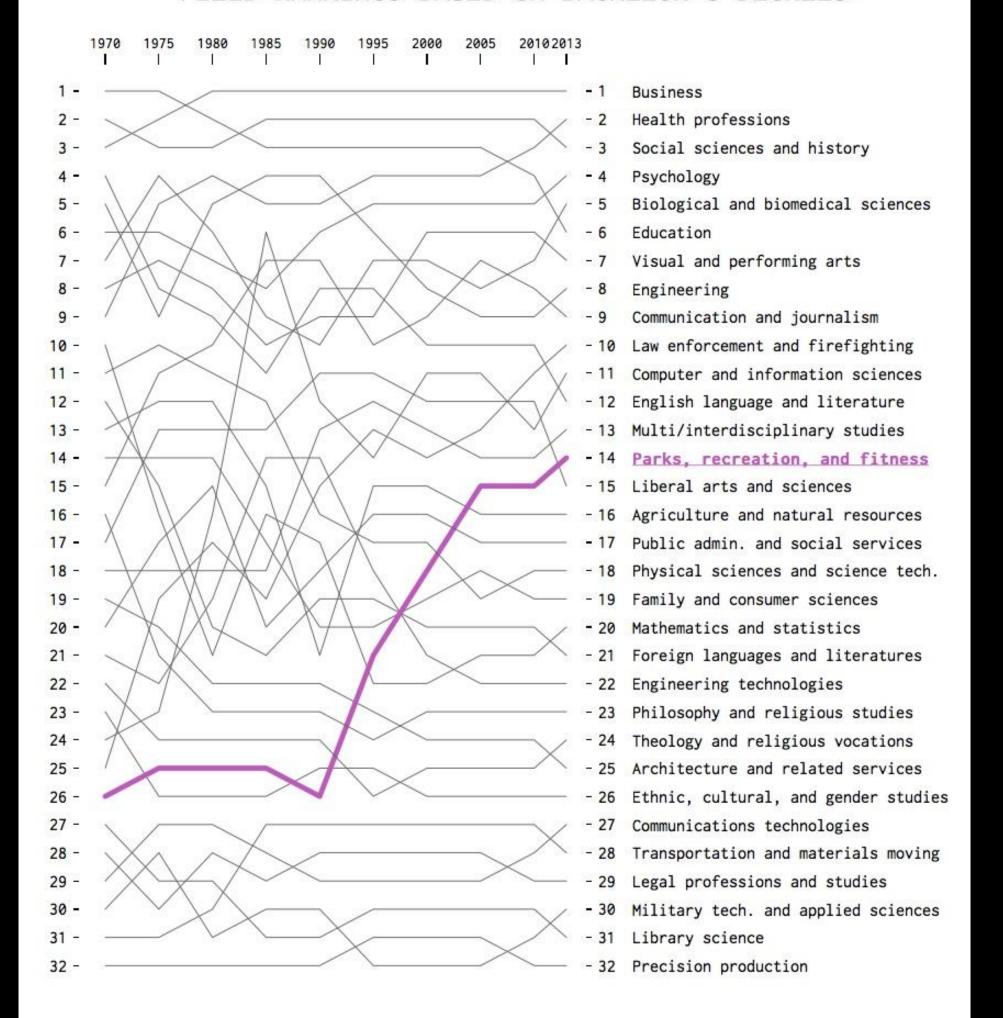


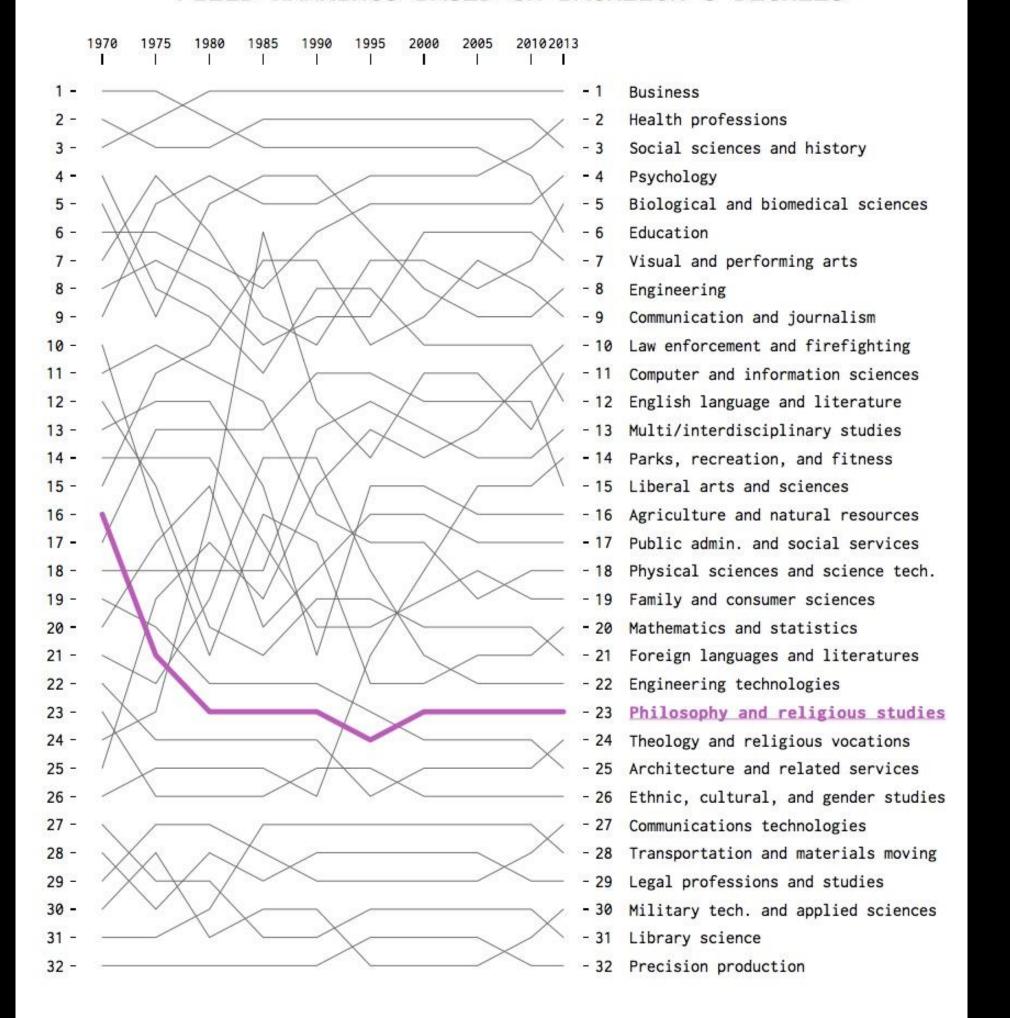


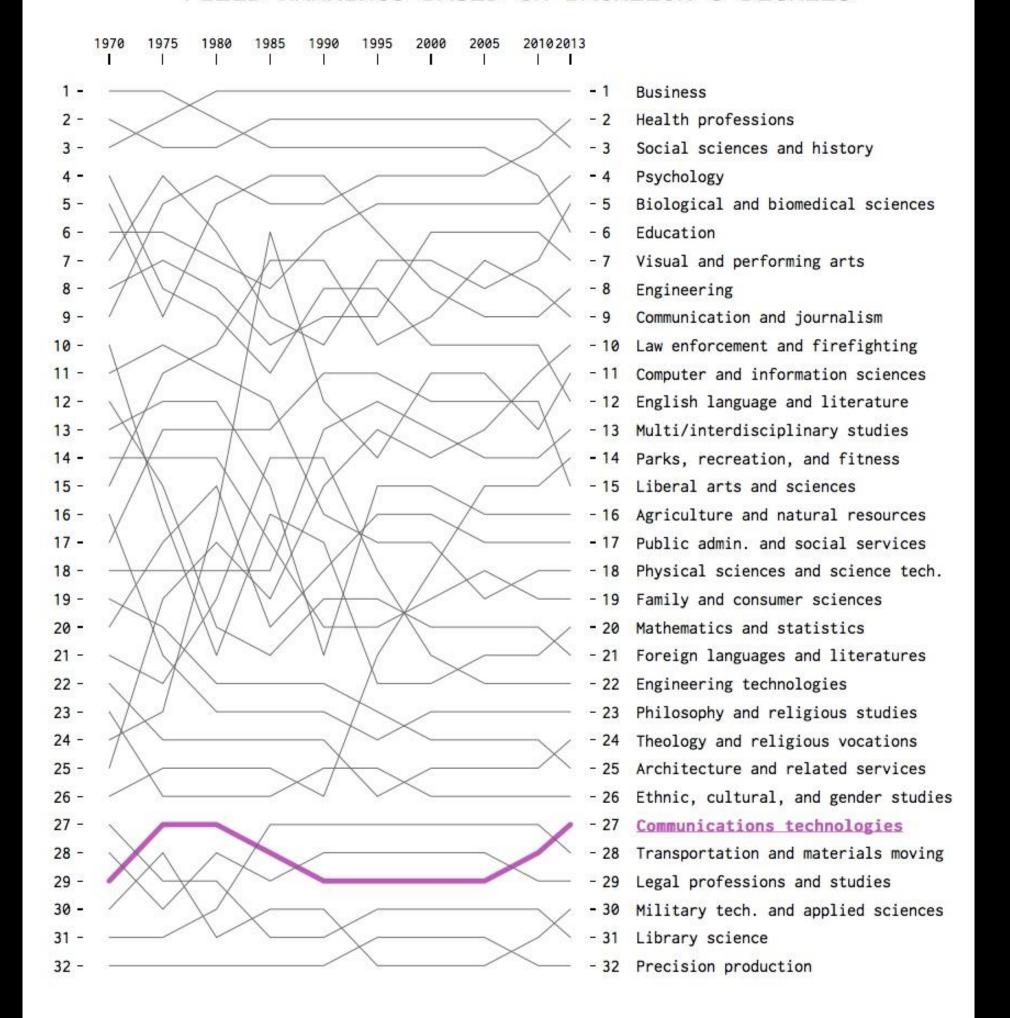


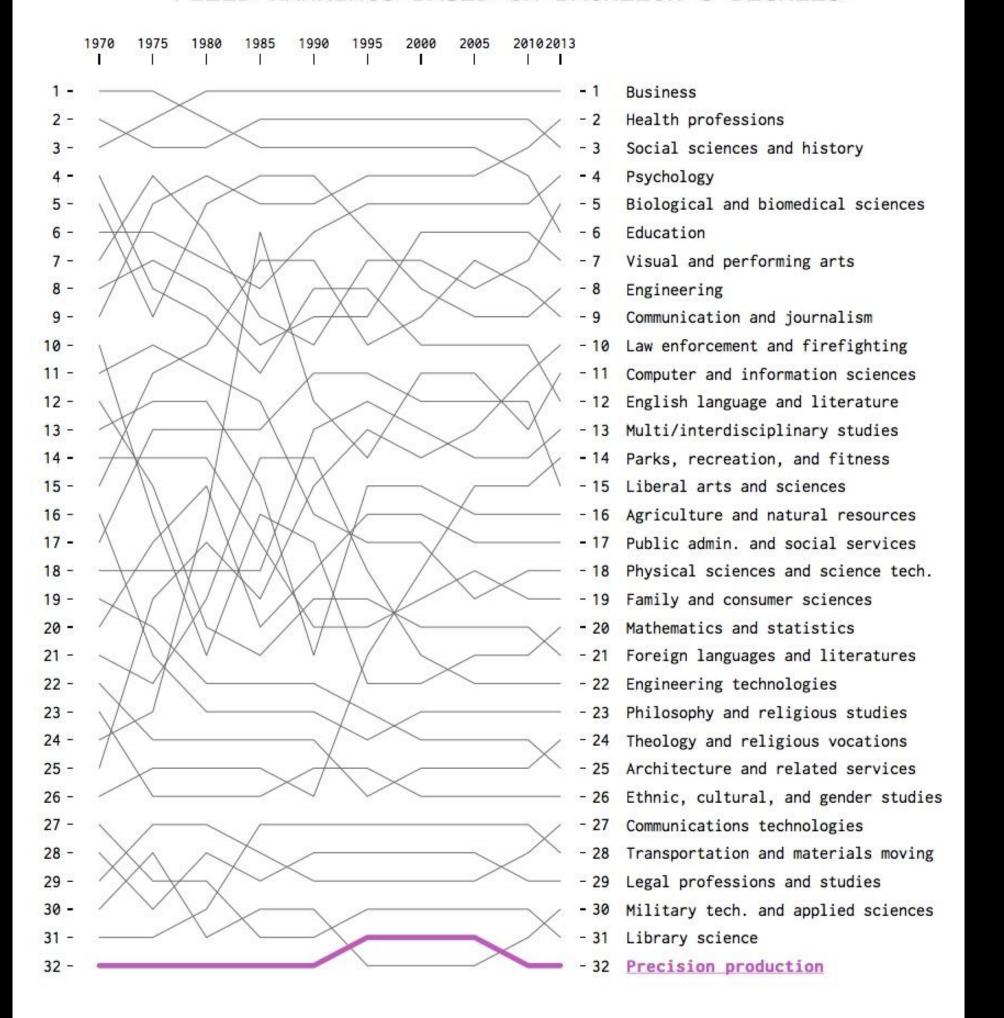












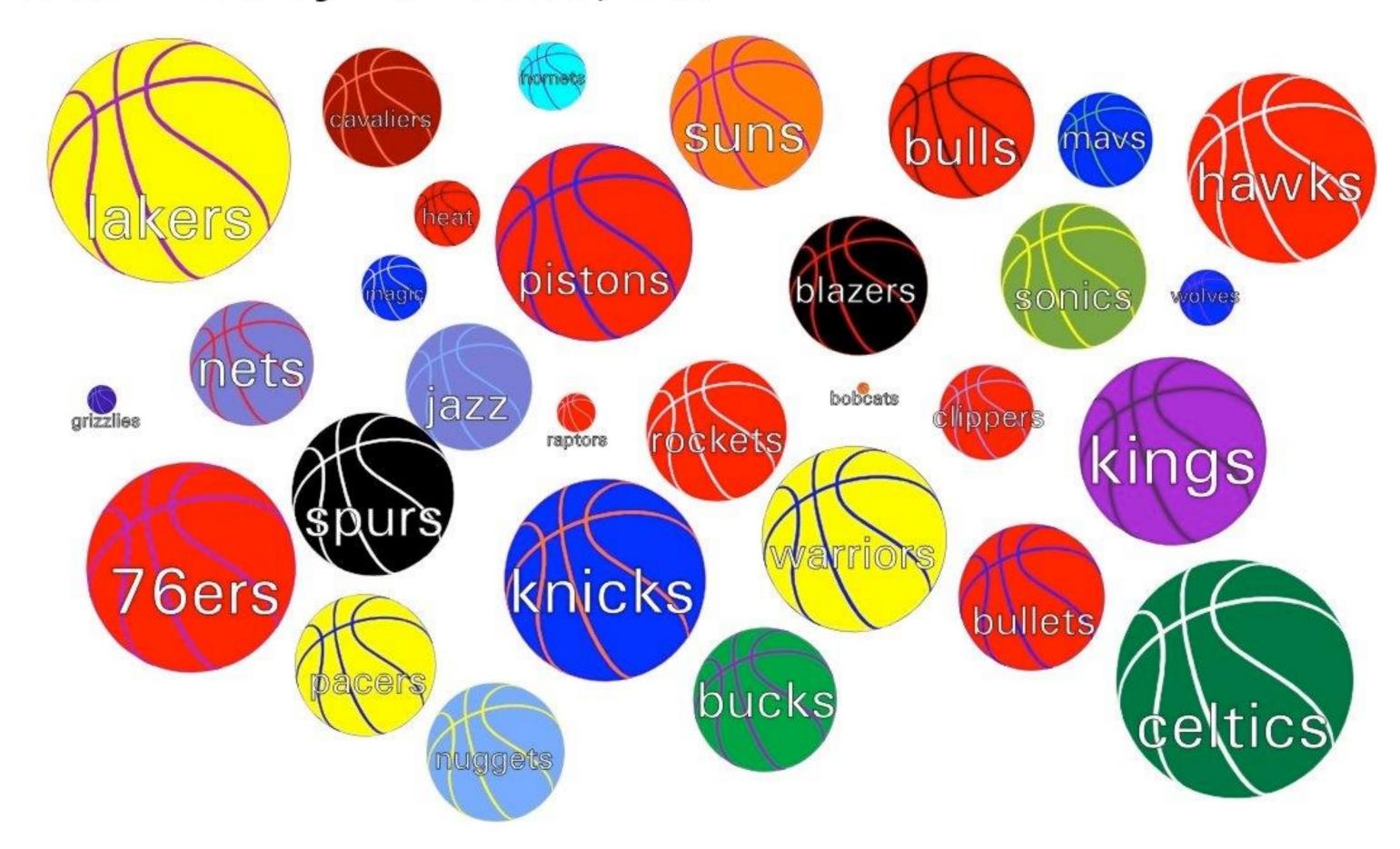


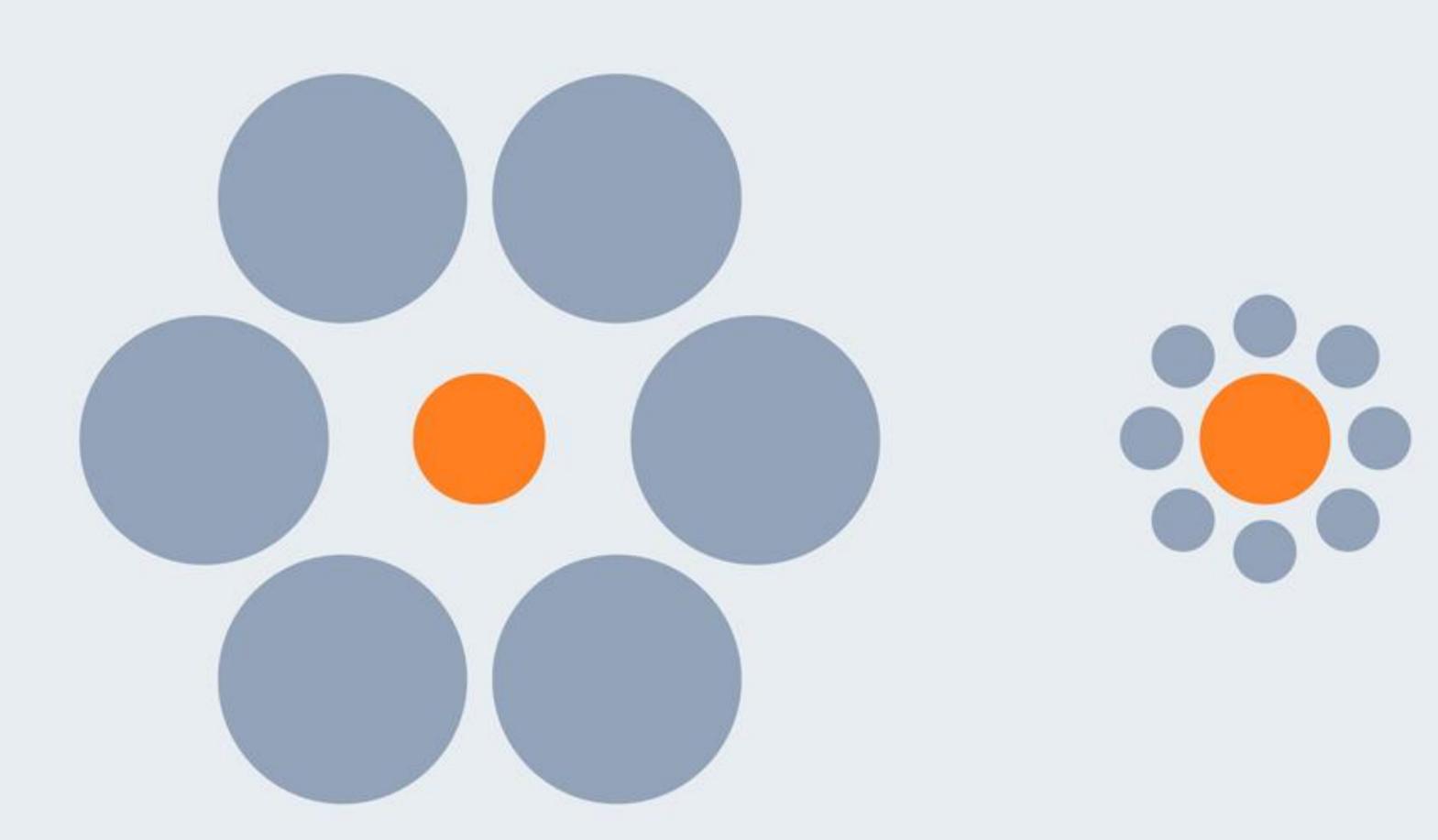
Proportional circles

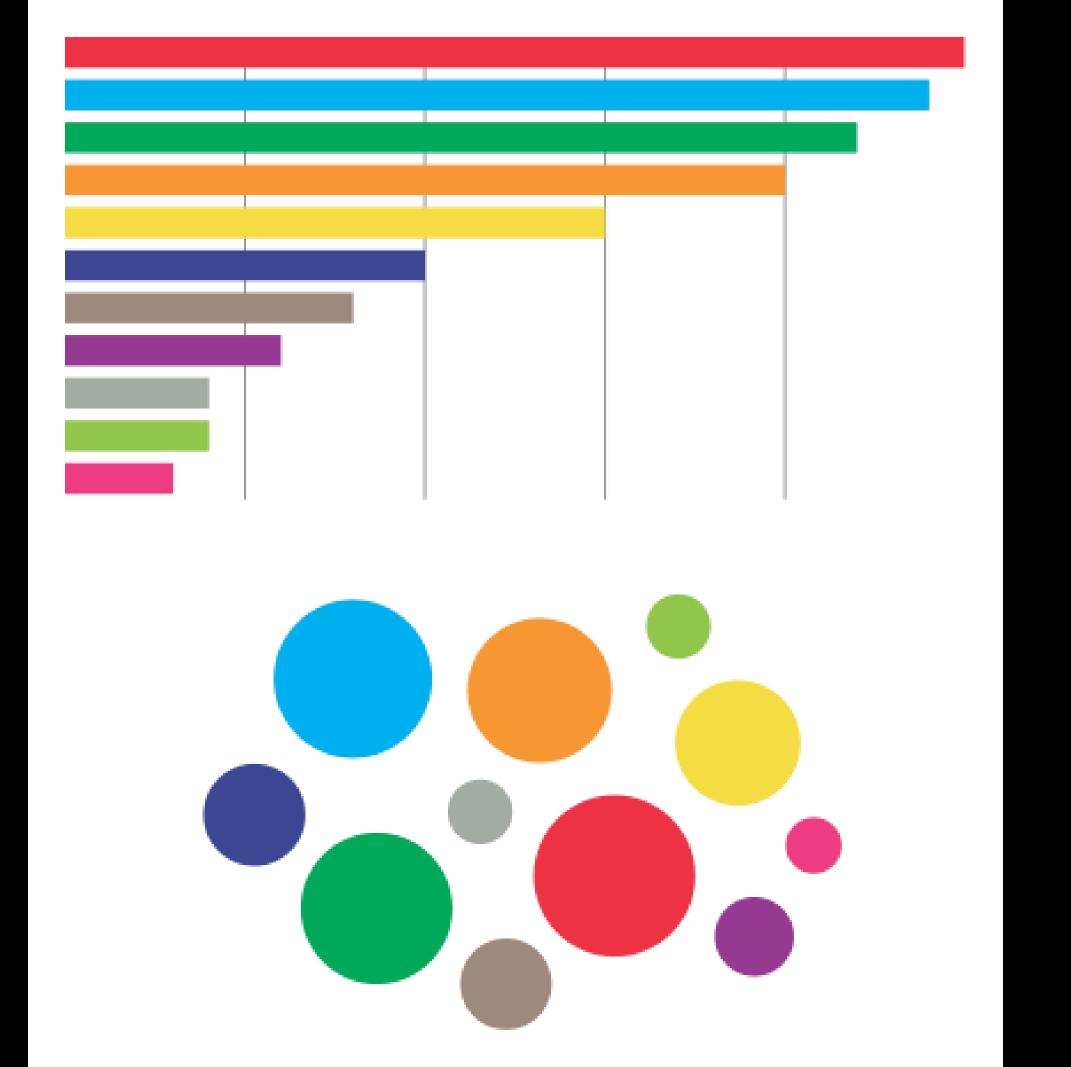
Can compare hugely different numbers.

Not good for small differences.

total wins by franchise, nba







Area, not diameter.

SUBSIDIZE THIS THE PRICE THAT YOU PAY FOR ENERGY—WHETHER ELECTRICITY. AT YOUR HOUSE OR GAS AT THE PUMP—ISN'T ACTUALLY THE PRICE THAT THE MARKET WOULD SET FOR THAT ENERGY.

The government spends billions of dollars to support the energy industry, which allows it to make energy cheaper than it should cost on the open market. These subsidies—either in the form of tax breaks or direct funding—favor some types of energy over others, giving our country a skewed sense of what each gallon of gas or wind-powered electron costs. This is a look at where the government directed its subsidy dollars from 2002 to 2008.

CARBON CAPTURE AND STORAGE

TAX BREAKS BILLION

DIRECT SPENDING BILLION

RENEWABLE ENERGY

TAX BREAKS BILLION

DIRECT SPENDING

CORN ETHANOL

TAX BREAKS BILLION

> DIRECT SPENDING BILLION

SOURCE 'Estimating U.S. Government Subsidies to Energy Sources' by the Environmental Law Institute

TAX BREAKS BILLION

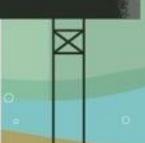
DIRECT SPENDING BILLION

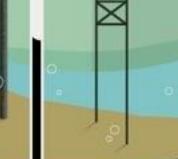






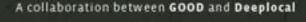












SUBSIDIZE THIS THE PRICE THAT YOU PAY FOR ENERGY—WHETHER ELECTRICITY AT YOUR HOUSE OR GAS AT THE PUMP—ISN'T ACTUALLY THE PRICE THAT THE MARKET WOULD SET FOR THAT ENERGY.

The government spends billions of dollars to support the energy industry, which allows it to make energy cheaper than it should cost on the open market. These subsidies—either in the form of tax breaks or direct funding—favor some types of energy over others, giving our country a skewed sense of what each gallon of gas or wind-powered electron costs. This is a look at where the government directed its subsidy dollars from 2002 to 2008.

SOURCE "Estimating U.S. Government Subsidies to Energy Sources" by the Environmental Law Institute CORN ETHANOL TAX BREAKS BILLION BILLION DIRECT SPENDING DIRECT SPENDING BILLION

CARBON CAPTURE AND STORAGE

BILLION

BILLION

TAX BREAKS DIRECT SPENDING

TAX BREAKS

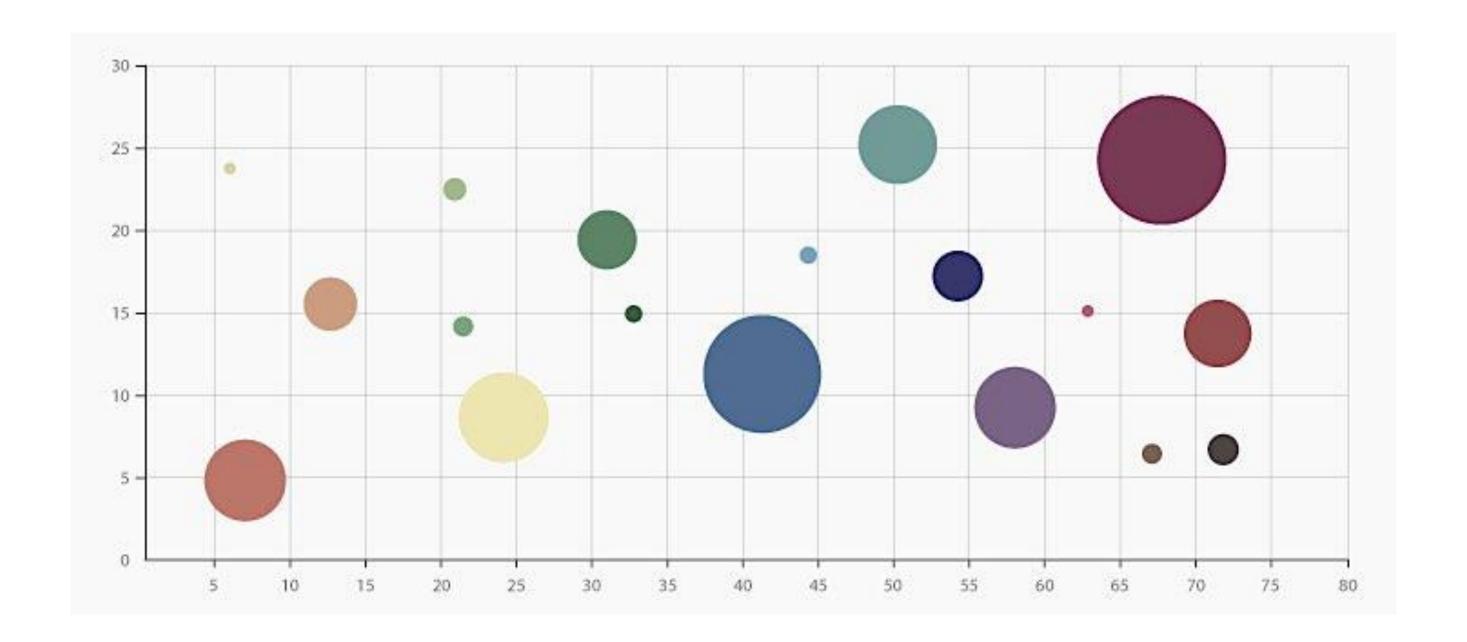
BILLION

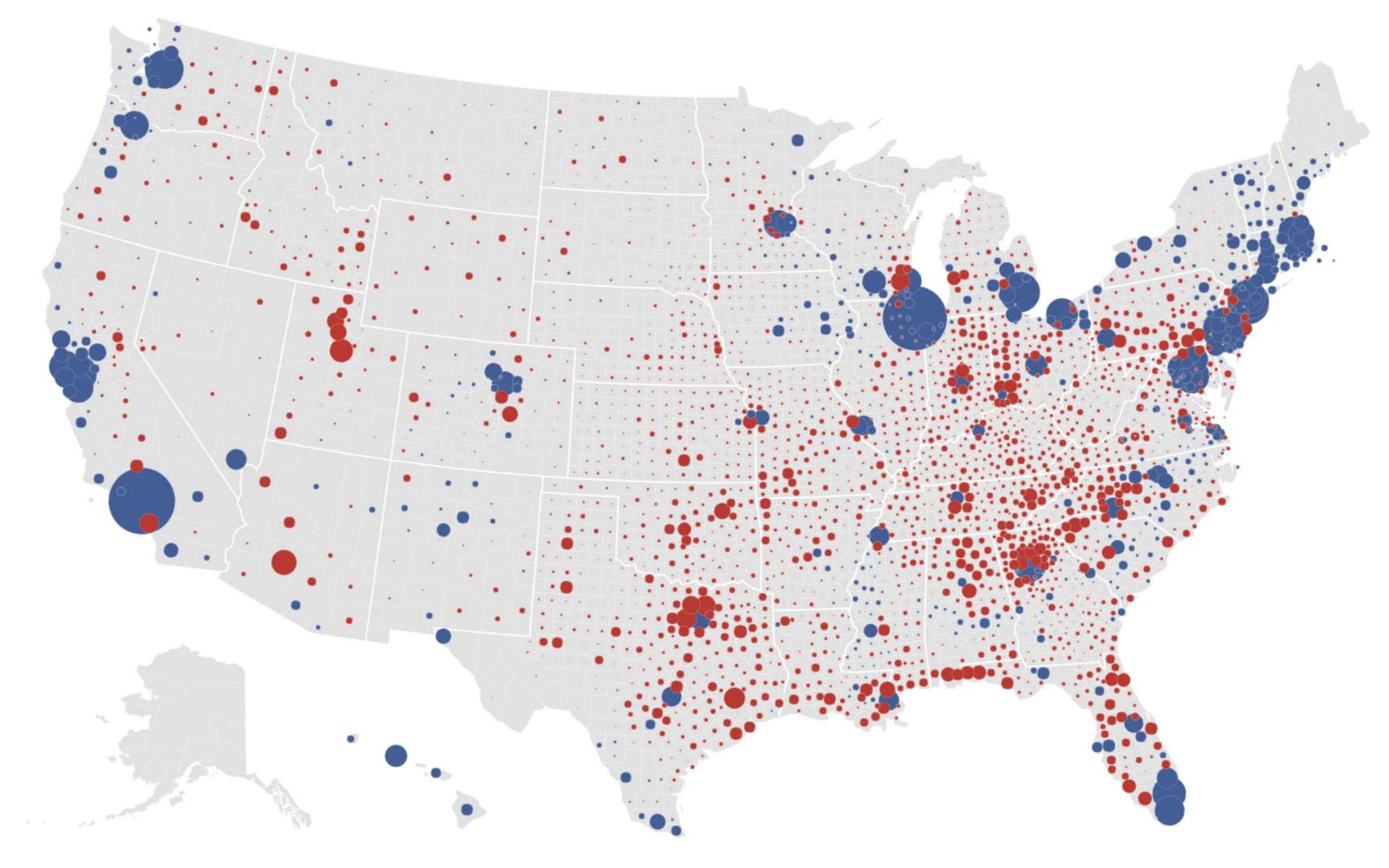
RENEWABLE ENERGY

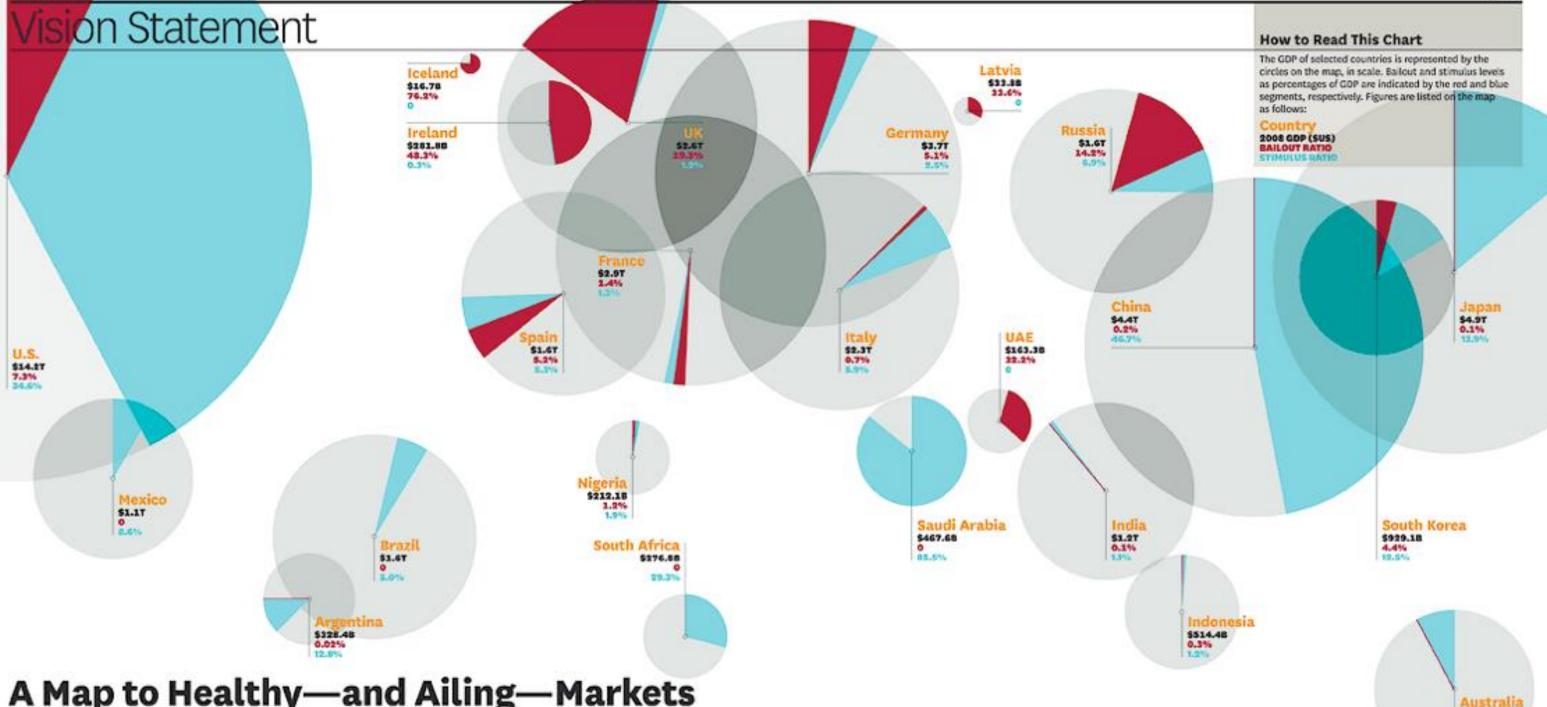
BILLION

DIRECT SPENDING

A collaboration between GOOD and Deeplocal







A Map to Healthy—and Ailing—Markets

The economic crisis will influence business long into recovery. As strategists target global investments, they need to understand the effects of bailout and stimulus programs. Calculating these interventions as percentages of GDP helps identify which economies will be stressed and which will have the resources to bounce back.

Data and analysis by Grail Research; visualization by de Luxe & Associates

Bailout

A high ballout-to-GDP ratio-a large slice of red in the pie-usually indicates financial stress and instability that will extend the economy's recovery time. Countries with the highest ballout

percentages are mostly in the West, where the crisis originated, (Three-quarters of all bailout money was allocated in Western nations and accounts for 7.8% of their combined GDP.) Others, like the



United Arab Emirates, were deeply invested in Western financial markets and real estate. For instance, despite similar conservative stances regarding leverage, the UAE and Saudi Arabia experienced markedly different recessions because the UAE did not strictly enforce its policies. Countries with high percentages not pictured here include Hungary (20.6%), Qatar (17.9%). and Norway (12.5%).

Stimulus

The stimulus-to-GDP ratio is more complicated. A high percentage of stimulus-a large slice of blue-indicates that the country is deeply affected by the recession but also willing and able to drive recovery through public policy. Although Eastern economies didn't use much bailout money, they received 40% of all stimulus funds-amounting to a 20.6% stimulus-to-GDP ratio (\$3.71), compared

with Western economies' was a global economy in 14.0% ratio (\$5.77). Given action: The source of the the scope of global trade trouble was local; its effect. and the West's demand worldwide. Eastern nations for Eastern goods and services, the recession reached beyond Western funds in aviation, shipfinancial markets. This

including China and Japan have invested substantial building, textiles, and

petrochemicals. South Korea has chosen to prop up small and midsize businesses and, like China, to invest more heavily than the U.S. in green projects such as solar energy and clean transportation.

Grall Research is a strategic research firm based in Cambridge, Massachusetts. The design firm de Luxe & Associates is based in Sydney.

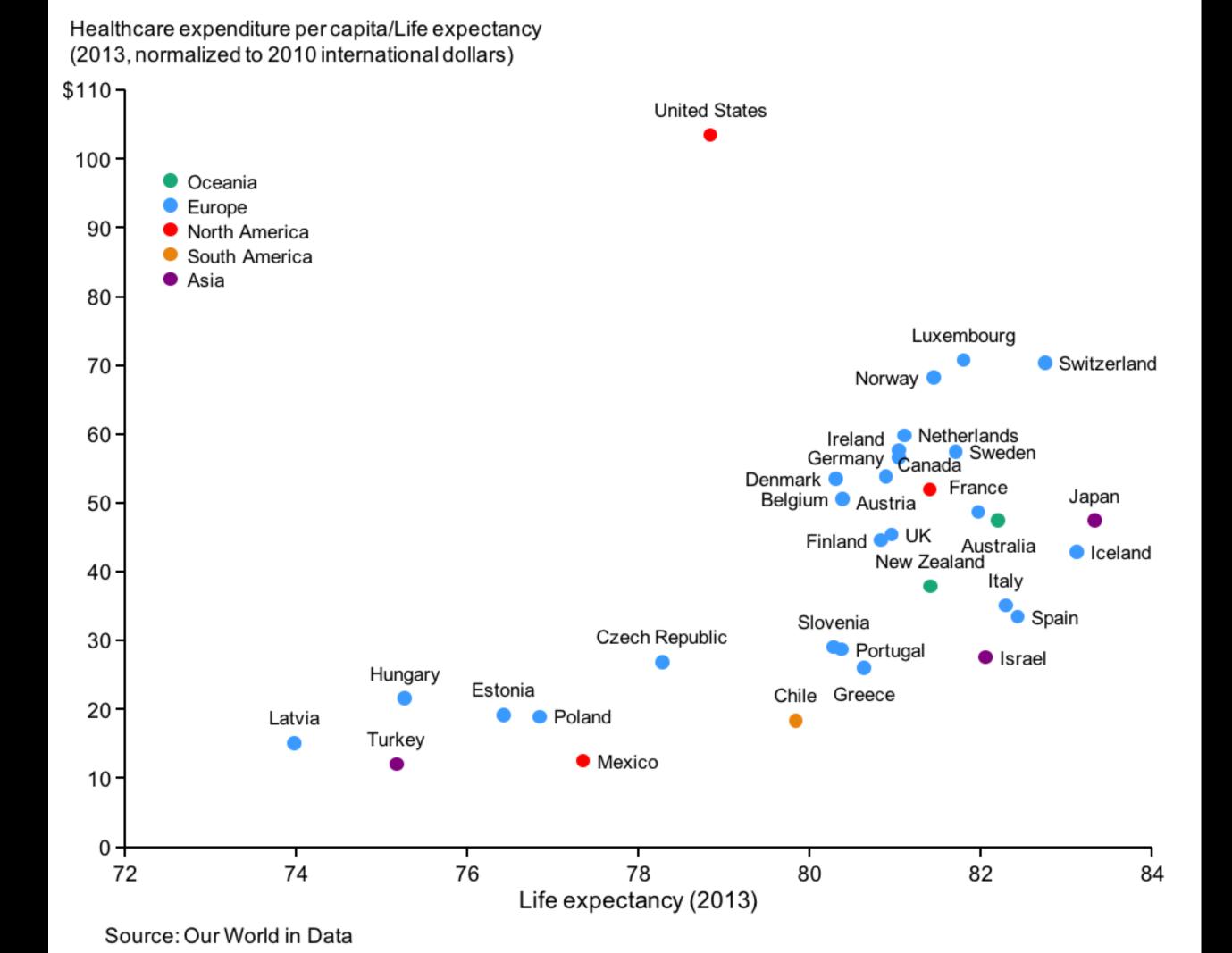
SLOT 0.1%

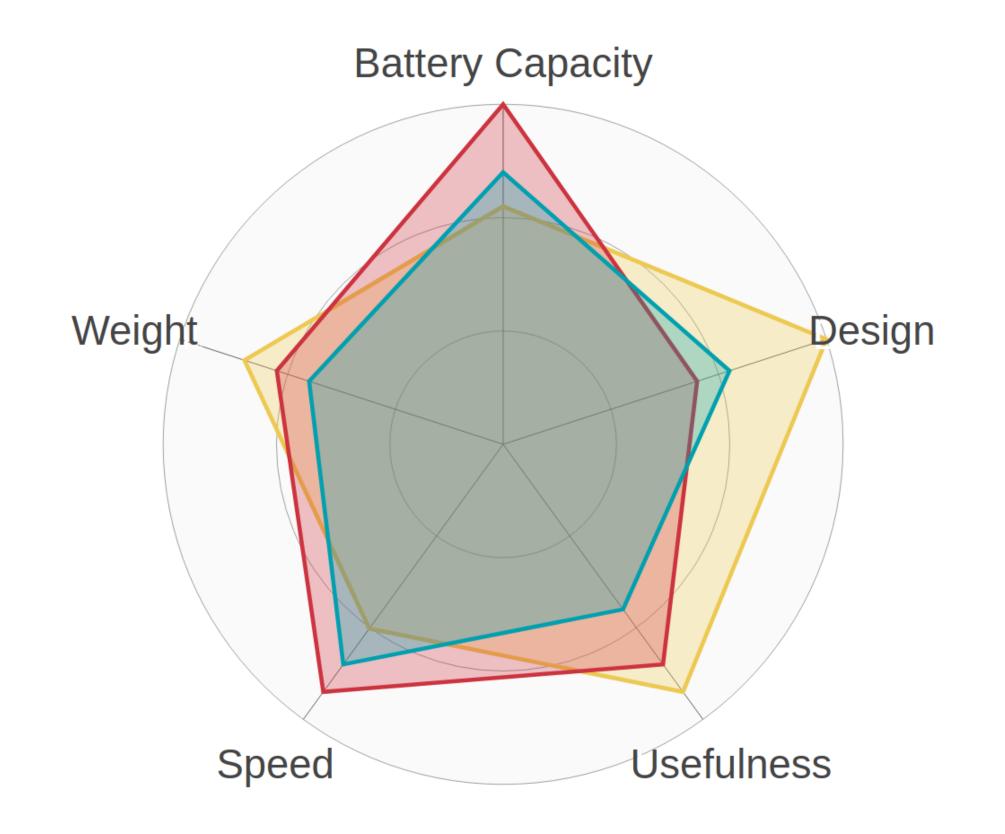
HBR Reprint FIDOIE

TOTAL STIMULUS



Other chart types



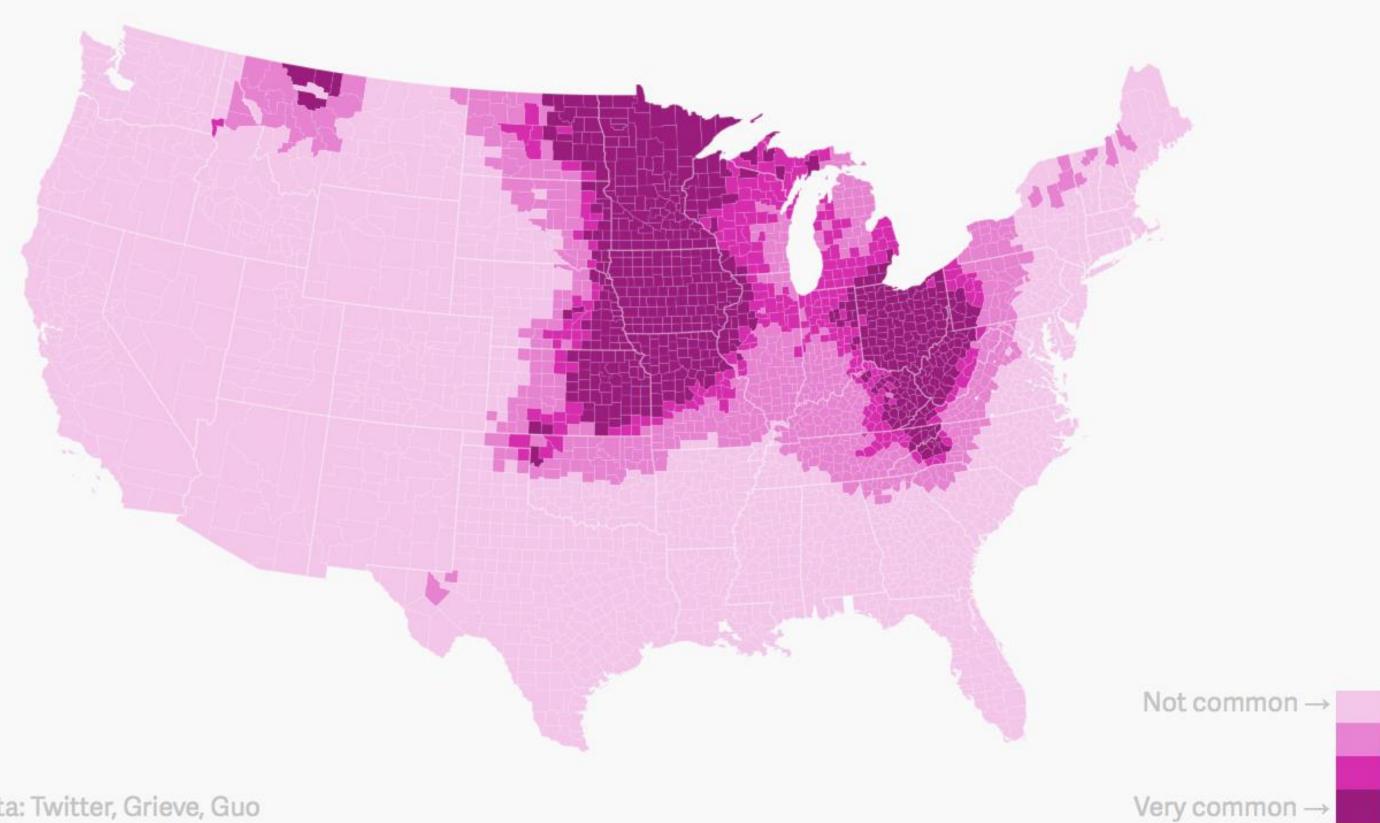


bro

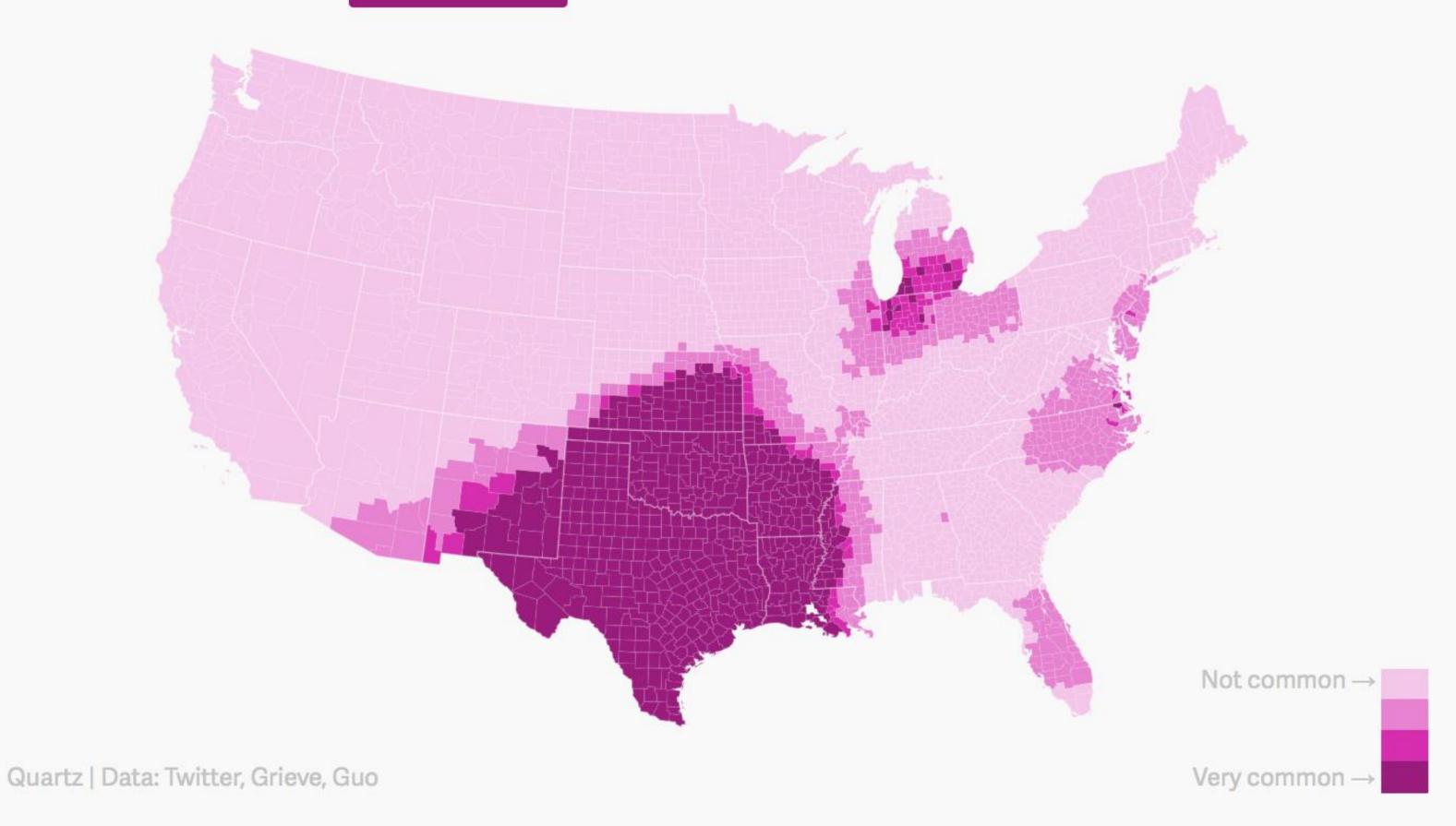
BUDDY

dude

fella pal



BRO buddy dude fella pal

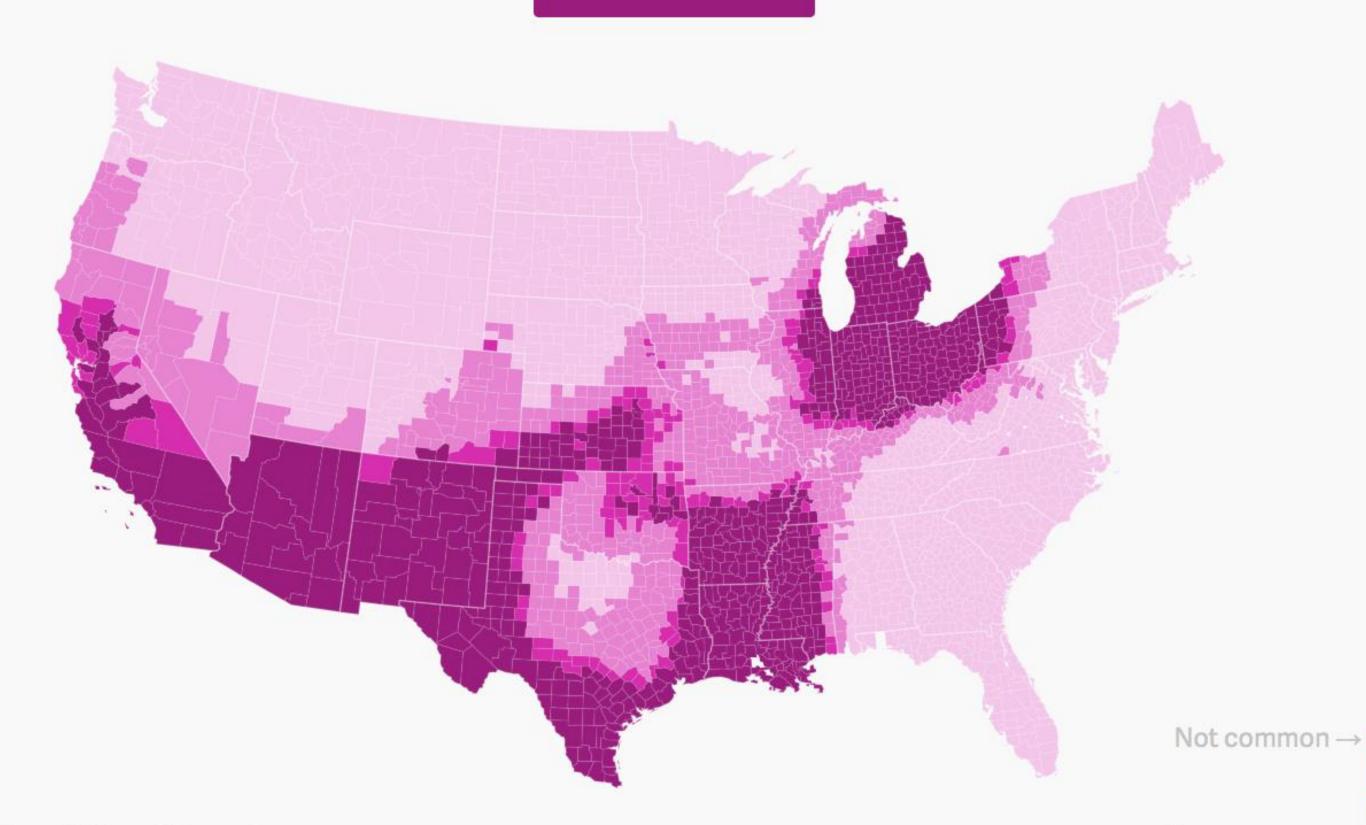


bro buddy

DUDE

fella

pal



Quartz | Data: Twitter, Grieve, Guo

 $\text{Very common} \rightarrow$

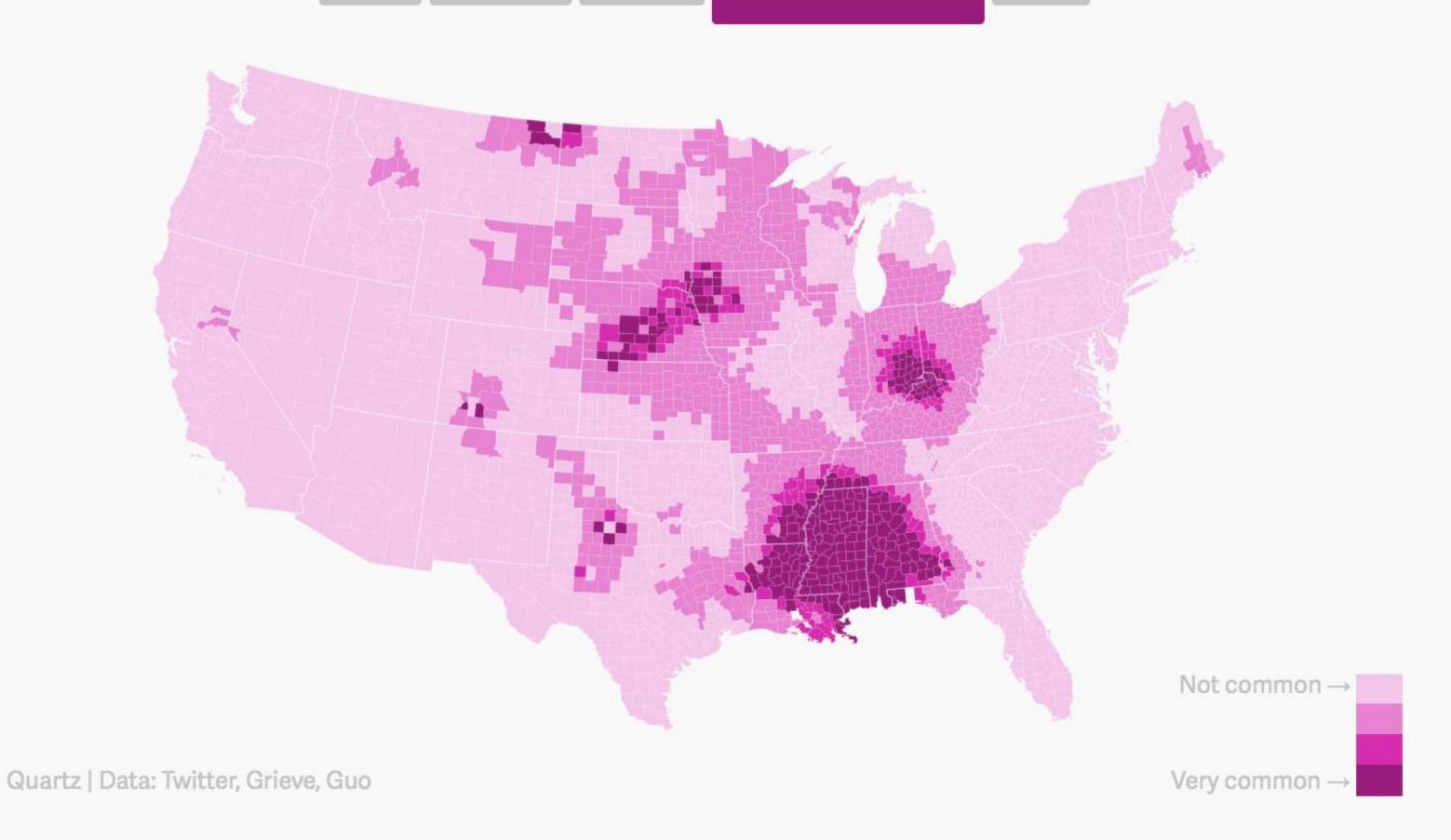
bro

buddy

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pal

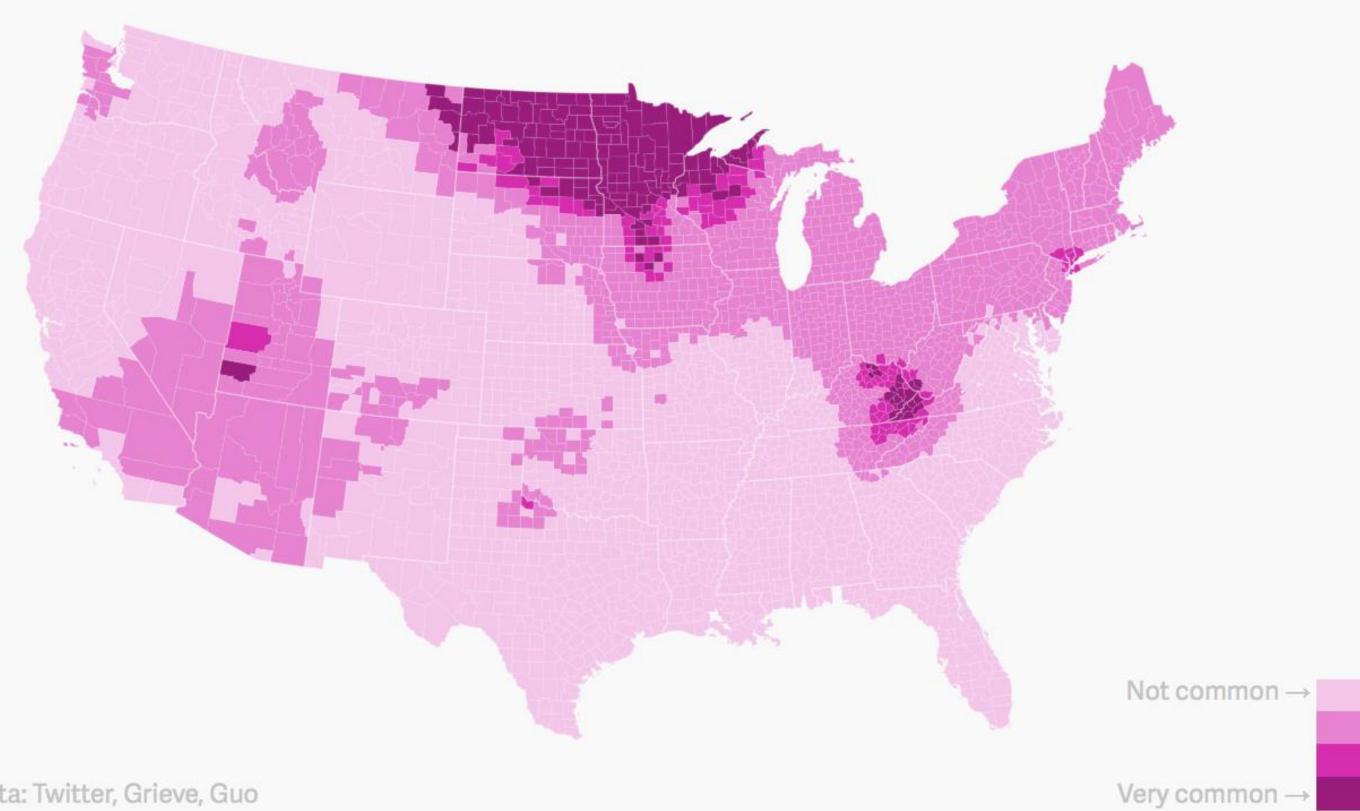


buddy bro

dude

fella





Quartz | Data: Twitter, Grieve, Guo

Well-being score Highest quintile → MIDWEST NORTHEAST NΗ NΕ MO , WV MD SOUTH KS WEST OK

Gutfeld on Venezuela's descent into socialist chaos Official: Asylum seekers to wait in Mexico as soon as Friday while cases are considered

Massive data breach involving millions of mortgage documents just got much worse Sorry, Sweethearts Fans: Iconic Candy Won't Be Sold This Year

Starbucks **Earnings** Beat. Guidance Upbeat; Stock Eyes Ruy Point

News: Xilinx.

Monster Chip

million in a

Tennessee

engines

plant to build

fuel efficient V-8

General Motors

is investing \$22

Research

Lam

Lead

How Americans

can end the

day: Call for a

Intel forecasts first-quarter below estimates. shares fall

SBUX

shutdown in one earnings Setting Ice

Q1 2019

Trump tariffs

reduce Ford

UAW workers'

profit-sharing

checks by

\$750 each

Coca-

Pulls Out

of Super

Cola

Rowl

Could This Be the Next

After Thursday test firing, SpaceX may be a month from commercial crew launch

Record-

Hole Drilled

in Antarctica

Lasers used to

beam audible

people's ears

Indianapolis

Temperatures

'dangerously cold

Simulations provide

Toddler

seizures

rare brain

disease

suffering from

hallucinations.

diagnosed with

How to escape a

new clues about

powerful plasma

weather:

could be

next week

black hole:

iets

messages

directly to

Complete

Genome Could

Toward Human

Pave the Way

Paganaration

Moons" -- Could

Axoloti

Tissue

"Moons of

Serve as an

Outpost for a

Technological

reported in

fabricating

nanochips

Hubble" -- New!

Deepest Image

of the Universe

Report:

Cost of

Doubled

Insulin Has

Ever Taken

"The Lost

Civilization

Scientists Try to Recreate Freakishly Tall 'Rogue Waves in the Lab

You're

Oil All

Wrong

NASA's

Mars

Breakthrough Krakatoa': Large volcanic eruption

'Scotland's

56 million years

ago wiped out

hundreds of

When will

we see the

black hole at

species

Opportunity

Rover Logs

15 Years on

Using Extra

Virgin Olive

conducts static fire test on Falcon 9 ahead of Crew Dragon dahut

SpaceX

Moon-Forming Smashup May Have Paved the Way for Life

"Fast-Track" --New 'Alien' Species Rapidly Evolving in Antarctica's Waters

Extreme Weather Is Preventing Plants From Processing Lucky photographer

captures rare moment meteor strikes moon during total lunar

Newly discovered fossil reveals prehistoric platypus with unusually small eyes

Way's heart? Manlius Third flu-Sergeant related Ken Hatter is death

cancer free reported after an 11in El vear battle Paso

Mass cloning for neuro research? Chinese birth of five gene edited monkeys

Trump reportedly grows weary with spike 50% after Giuliani's

White House **Drafts Emergency** Order Trump Could Issue Over Wall Funds: CNN

gaffes

Now we know the secret of Kellyanne Conway's success in the Trump White

House Democrats zero in on Deutsche

Top Florida official resigns after photos surface in blackface, mocking Katrina survivors

PG&E shares

California

investigators

clear utility of

blame for a

2017 fire

Senate

blocks

White

to end

2020

names

Off-duty St.

Louis police

accidentally

by on-duty

shot and killed

officer

officer

House-

backed bill

A guide to

candidates

How Americans can end the shutdown in one day: Call for a strike

Trump Schumer aides keep blocks bill telling to pay struggling Coast workers to Guard suck it up TheHill

Kalief Browder's

Suicide Brought

\$3 Million

Settlement.

Pelosi: No Changes to Rikers. Dem Now It Has Led to a border

Democrat erupts at Cruz's 'crocodile tears' on the Senate pronouncing floor: WATCH

Ben Stiller sitting with New York Gov. Andrew Cuomo stuns social media users

Police describe execution-style killings inside Florida bank

NY Post Shocked To Learn Biglaw Works Paralegals To The Bone

Intel shares drop 6% after delivering poor Q1 auidanca

How the counter chaos in Venezuela security will impact oil prices

TheHill

Alexandria

Ocasio-Cortez quotes the Bible after Sarah :!!!~ Huckabee Sanders Go to bed! Brain says she should researchers warn leave that lack of sleep is climate change up a public health

crisis.

Intel's shares plunge 8% as it misses on revenue. earnings, and quidance

Tesla Reduces Production of Model S and X Cars

Nissan shareholders could kick a **Brentwood** man off the board after accusations of fraud

National Chicken Stock Market Council, shouting into void. petitions government for federal wings holiday

strike

Why Shares of Xilinx Are Soaring Today removes family

American Airlines from flight over body odor complaints With recent

outbreak, here's

protected against

how to stav

measles

Big Idea on Product Containers? 10-Year-Old Boy's **Kidney**

Spotify data shows how music preferences change with Grew in His latitude

> As flu season nears its peak good news - for those who got the vaccine

Does gum disease have a key role in

A Measles Outbreak Has Hit An Anti-Vaxxer The US

Over Five Years

of the Ebola

This bat species may be the source more than 11000 people in West

A year later, formerly conjoined twins learning to grow independently

Schools closing Friday due to

> Married people walk faster, says new research.

Hamilton County health officials issue alert over spike in overdoses

Scientists uncover link between aum disease. Alzheimer's disease

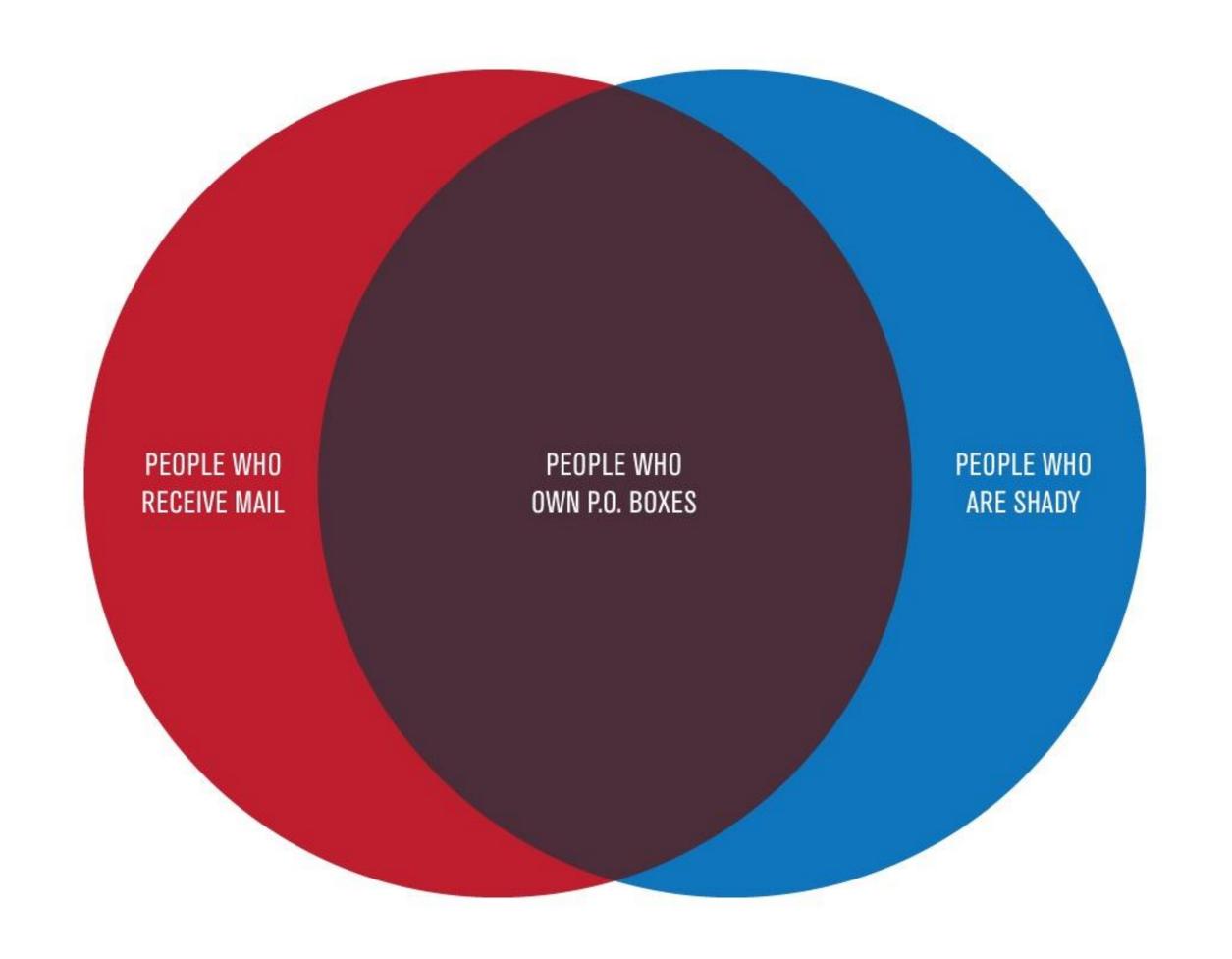
Alzheimer's? Hotspot In

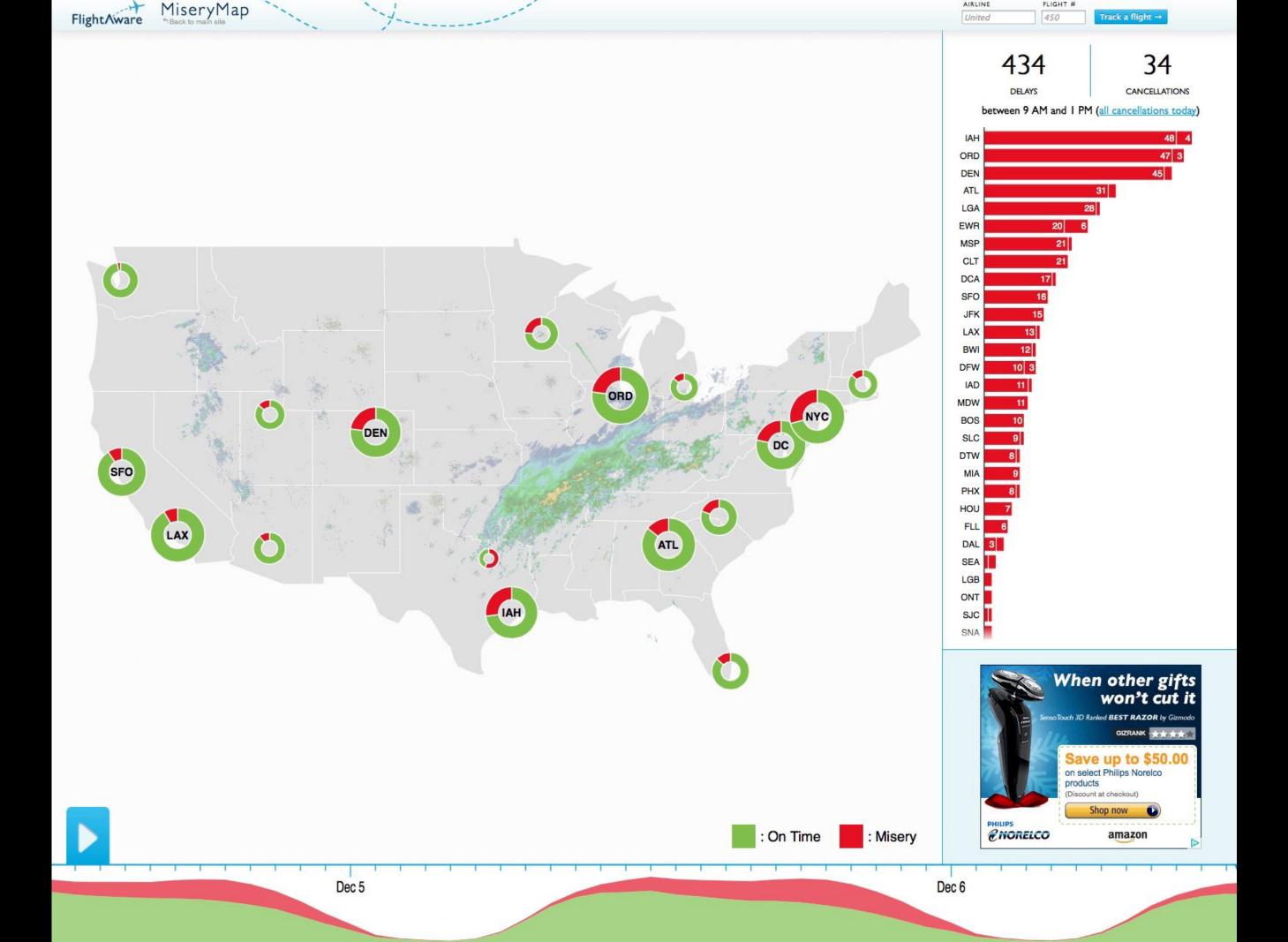
5 Rest Keto Diet Rooks To Heln You Get Started .

Data from Google News. Inspried by newsmap.jp. Fork me on GitHub

Fullscreen

Nation



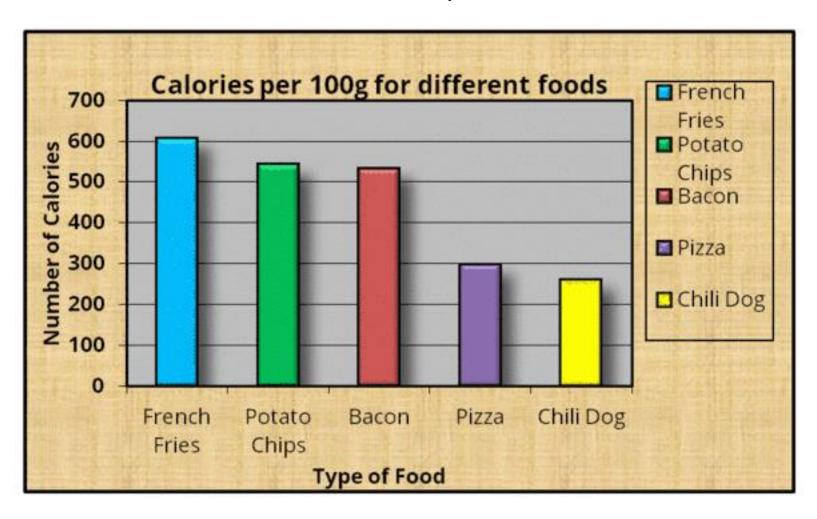




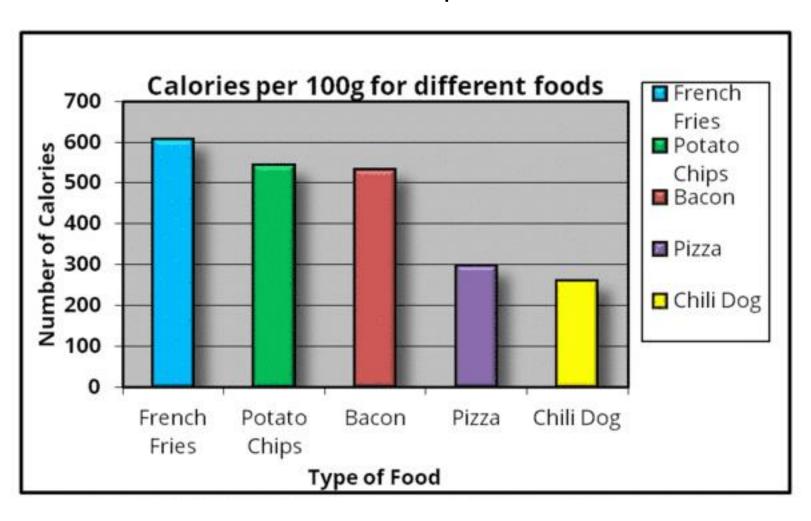
Redundancy

Remove background

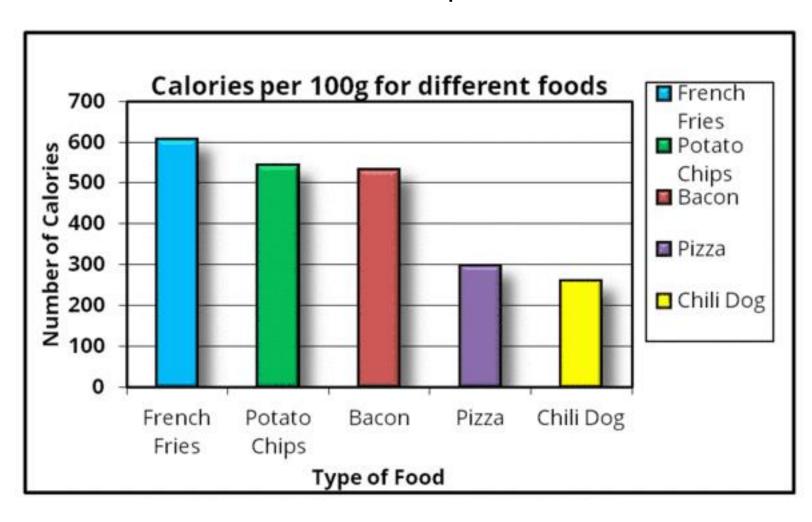




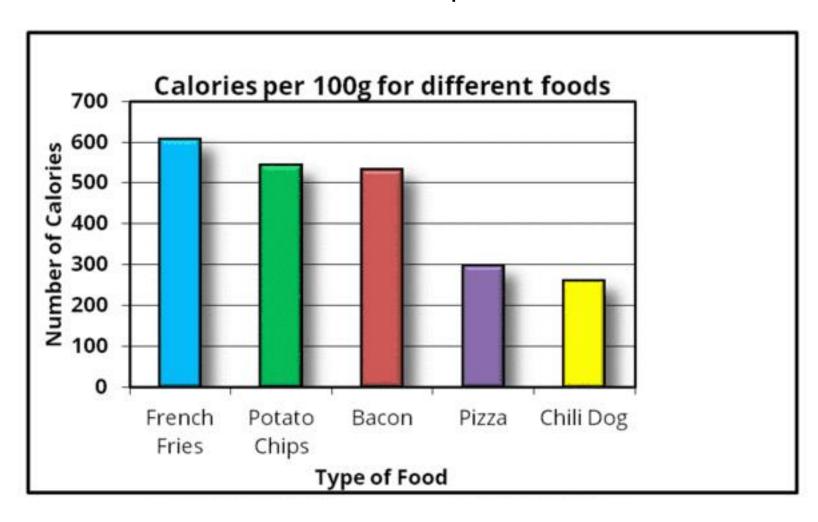
Remove chart background



Remove redundant key

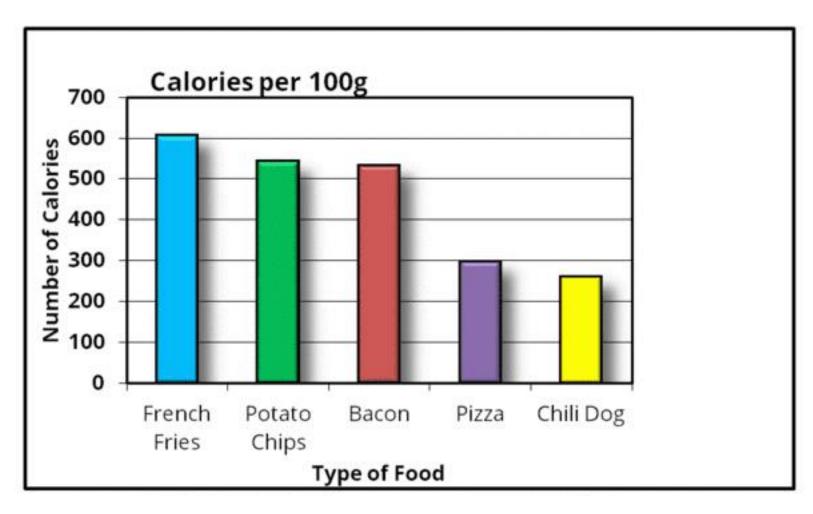


Shorten calorie description



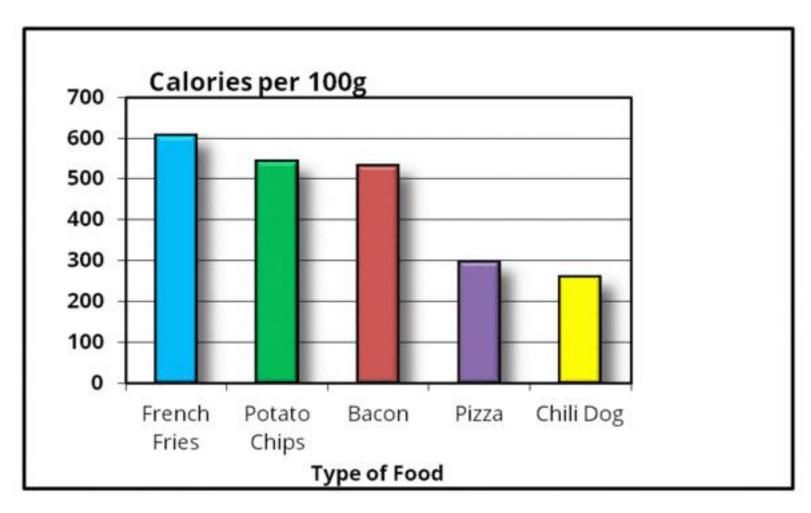
Remove redundant vertical scale description



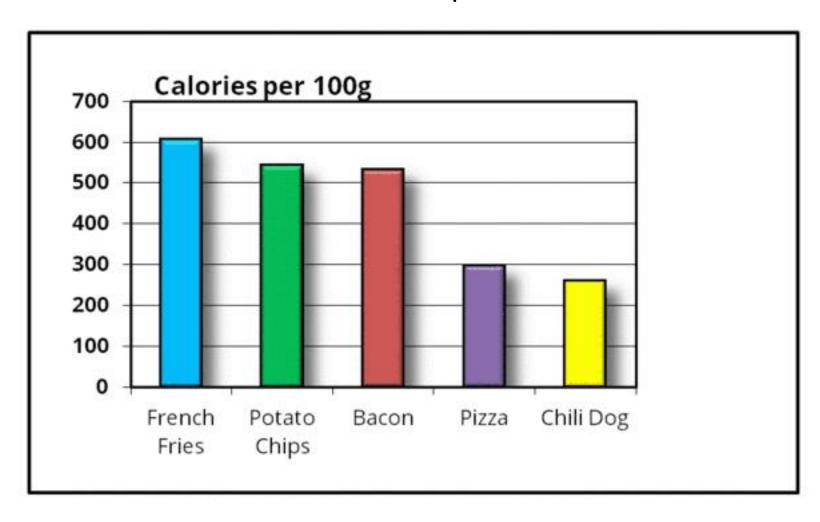


Remove redundant type of food description

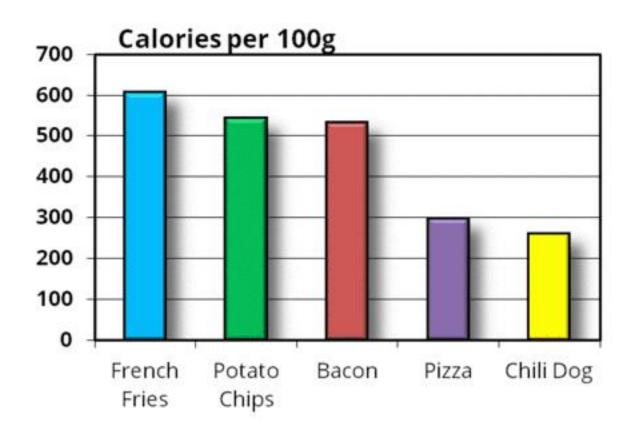




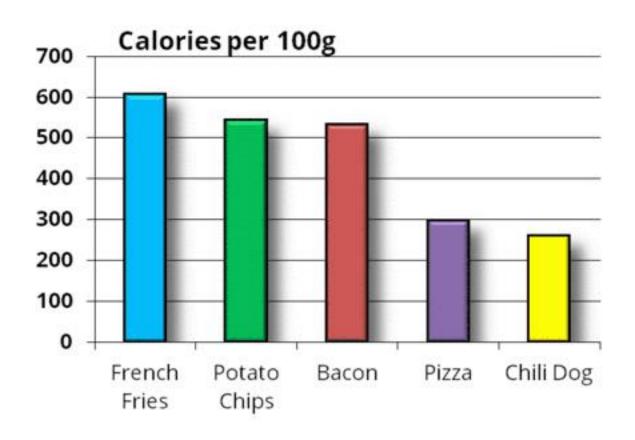
Remove outer border



Remove inner border

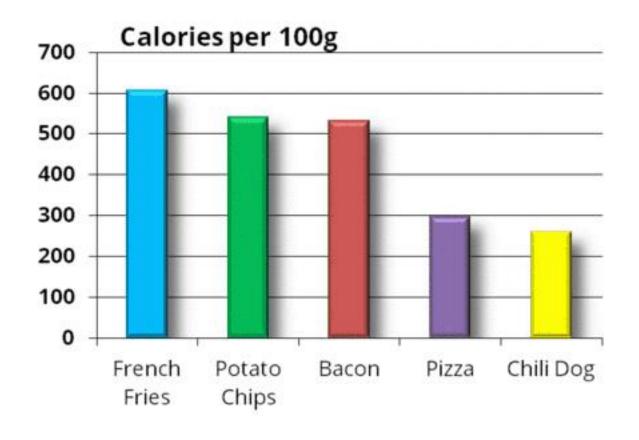


Remove outline on bars

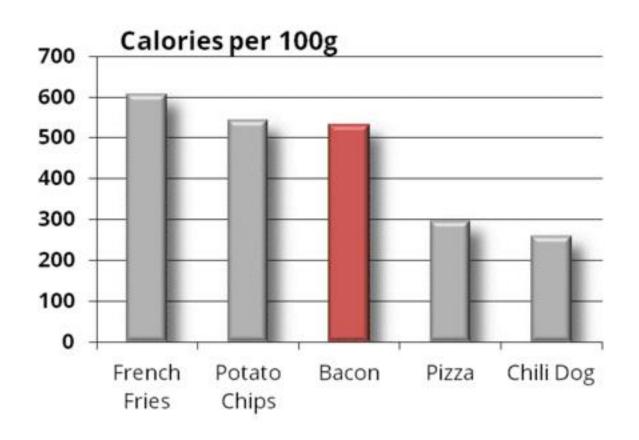


Reduce colors to emphasize key number

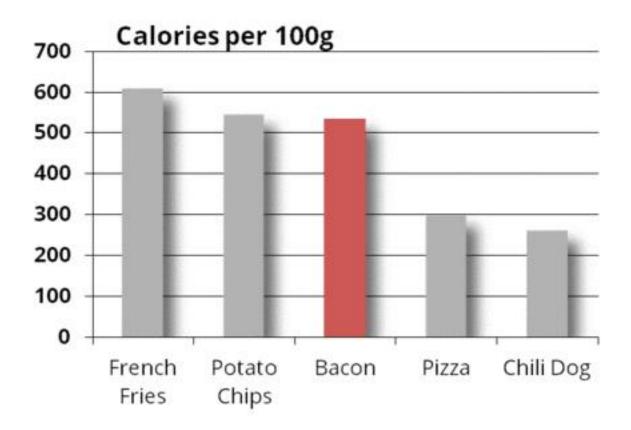




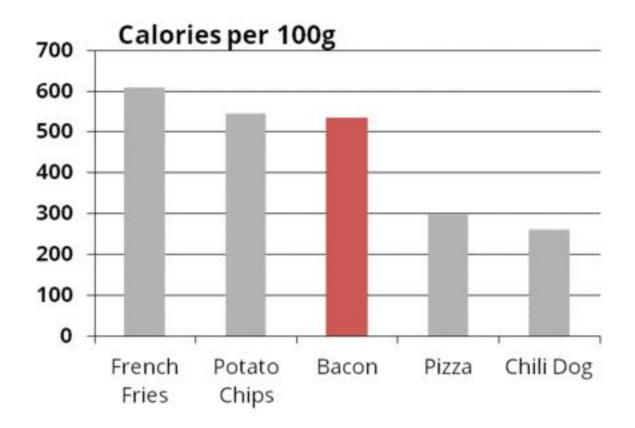
Remove modeling



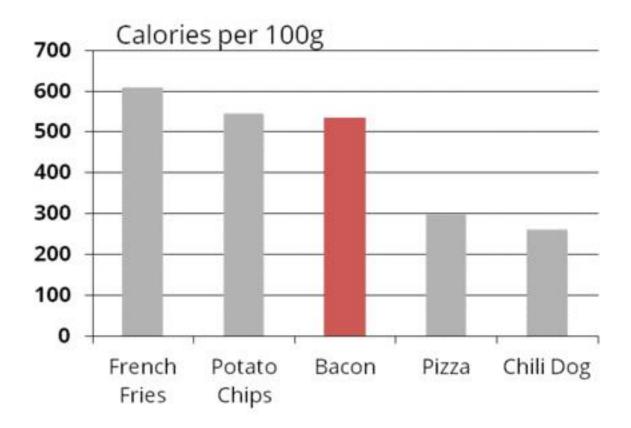
Remove shadows



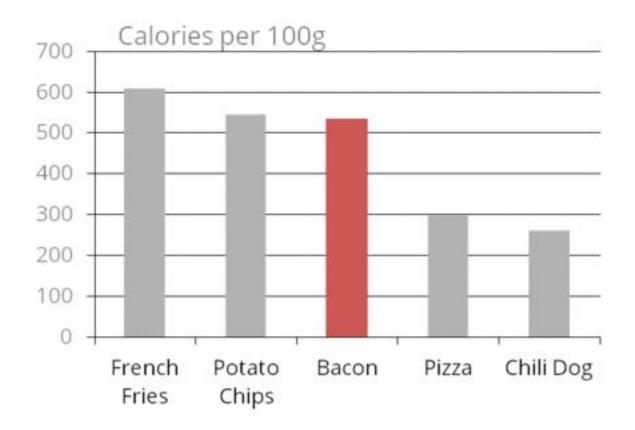
Lighten calorie label



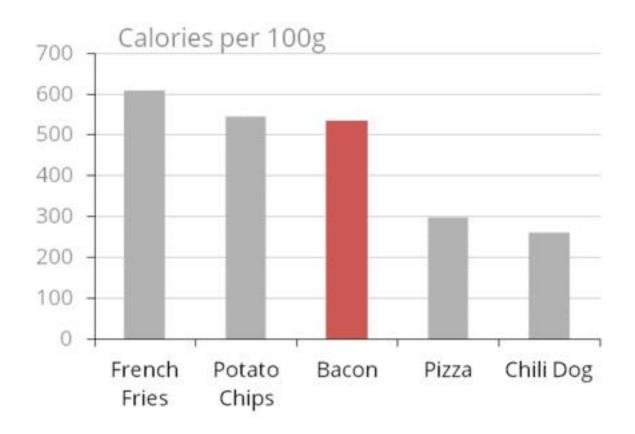
Lighten Y-axis labels



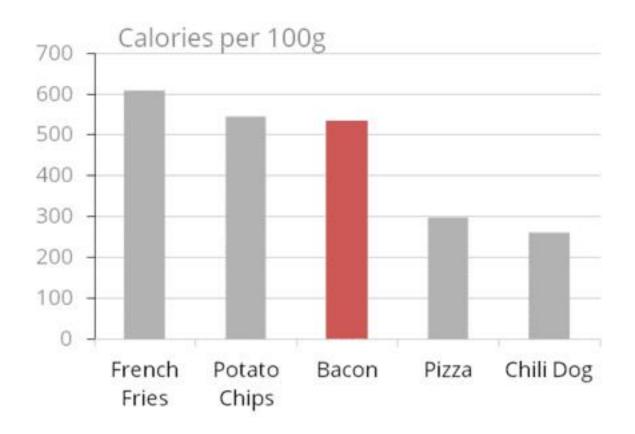
Lighten horizontal lines



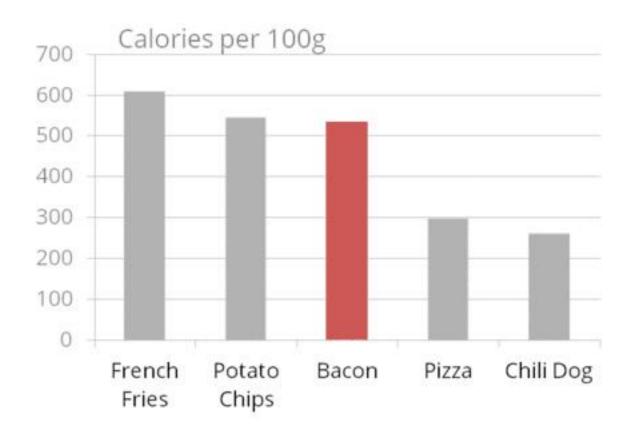
Lighten X-axis



Lighten Y-axis

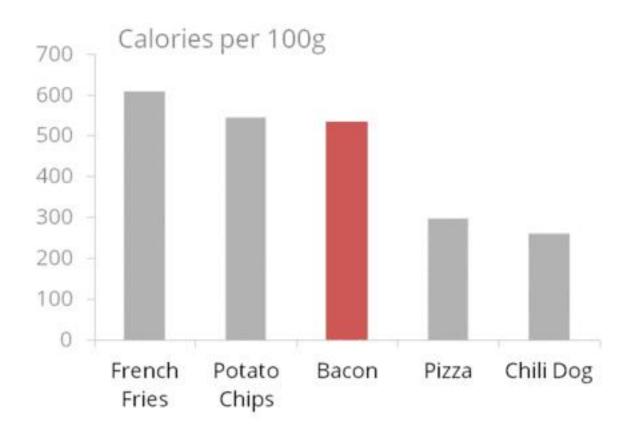


Remove chart lines



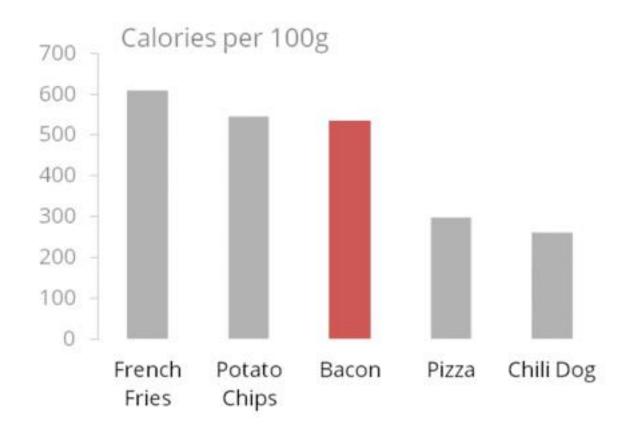
Remove X-axis





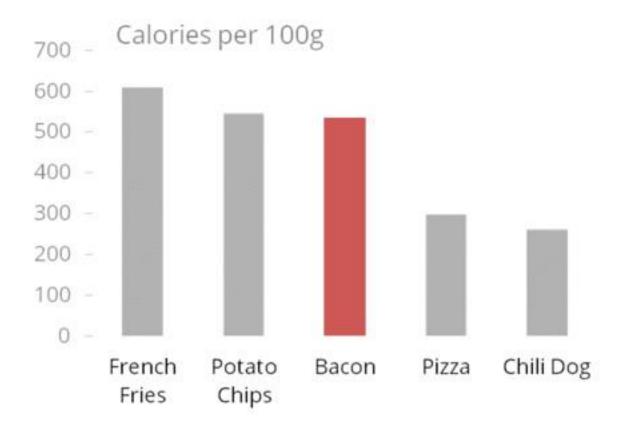
Remove Y-axis



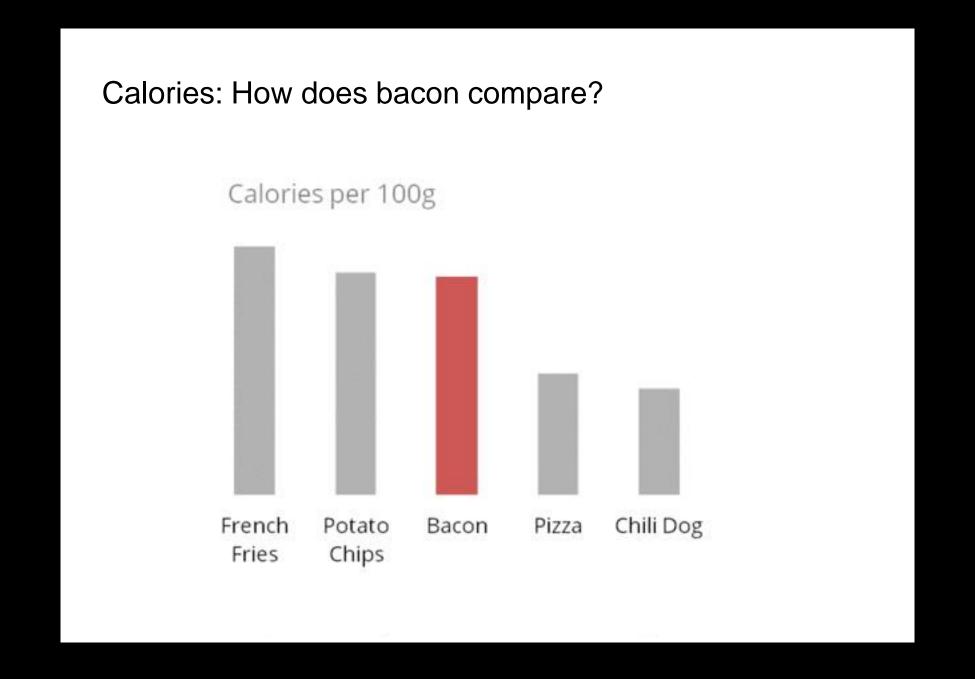


Remove vertical scale completely

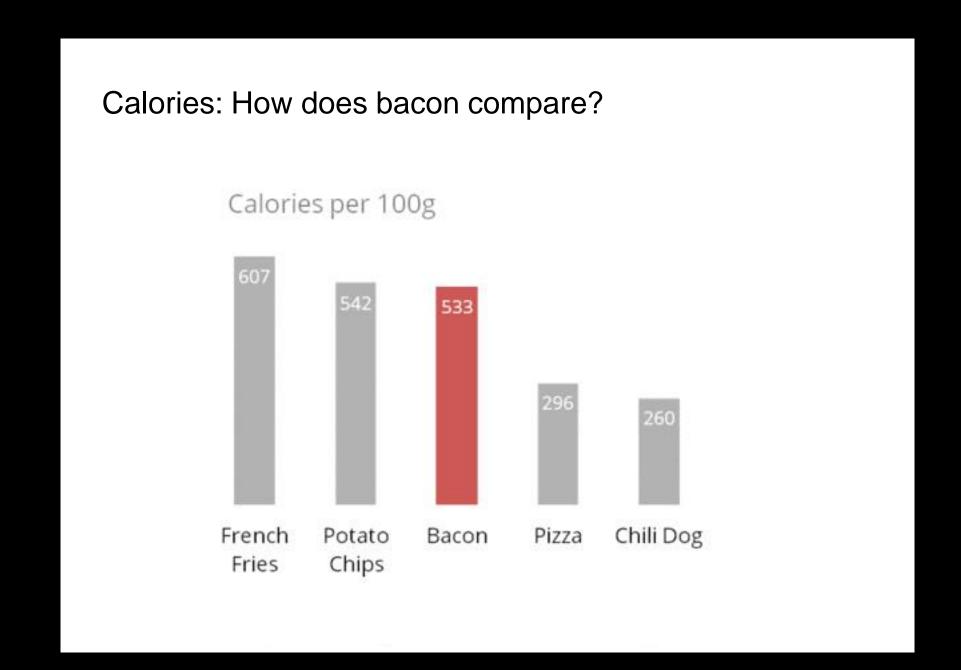




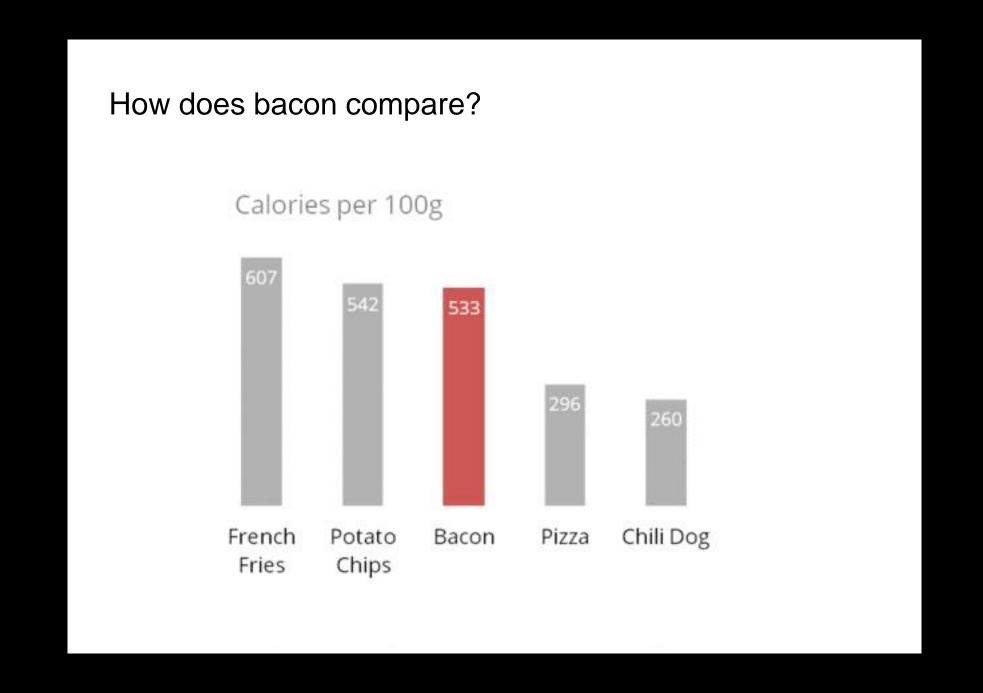
Put numbers inside bars



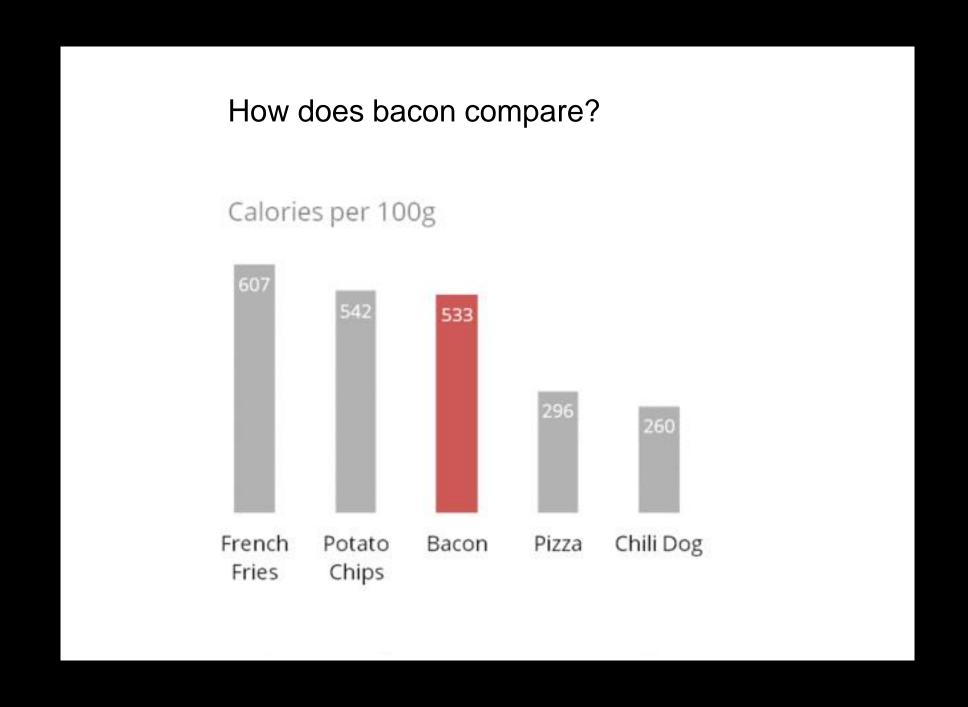
Simplify headline



Align headline

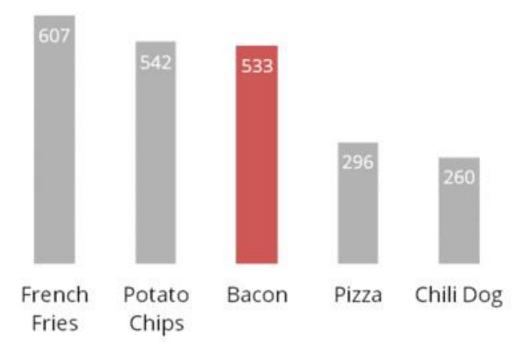


Close up space between headline and sub-heading

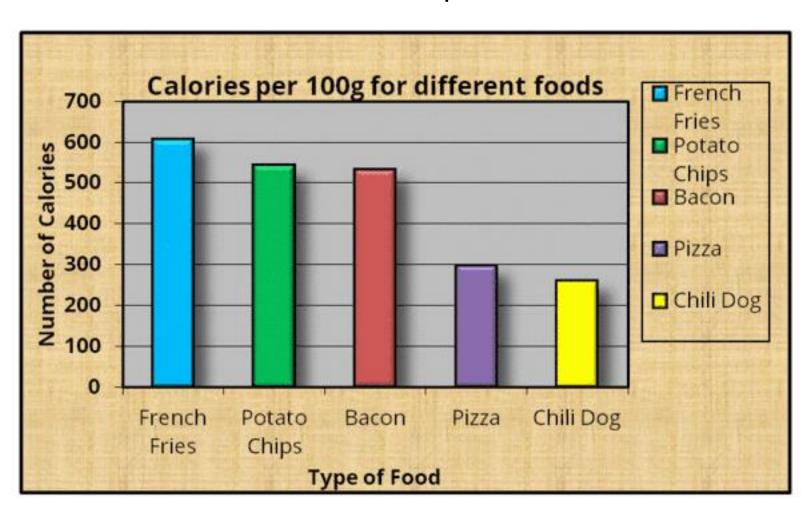


How does bacon compare?

Calories per 100g



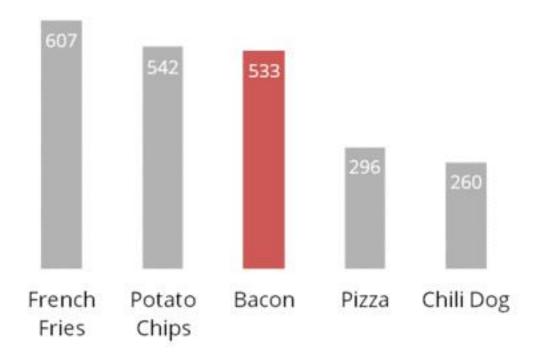
BEFORE



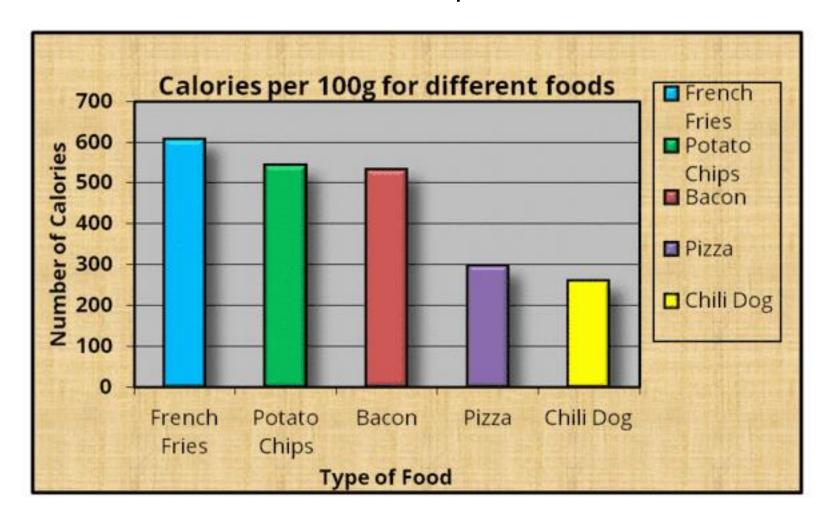
AFTER

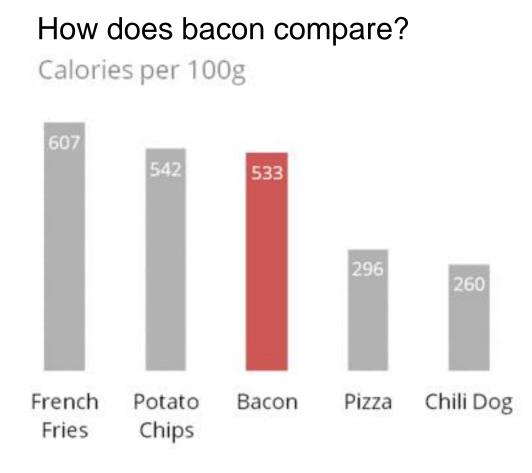
How does bacon compare?

Calories per 100g



BEFORE AFTER





Getting the message across





1. Who is it for?

2. Try and put yourself in the user's position.

3. Make your visualizations approachable and engaging.

data visualization references network

A navigable selection of sites and resources about data visualization

● blogs 48 O studios 41 O people 31 O tools O books

The aim of this tool is to enable the discovery of amazing and useful contents from the infovis field. I made the compilation by my own criteria and taking into consideration other selections (listed below).

Feel free to propose new resources, just write me a tweet (@moebio) with the proposed link.

The bipartitle network resources-tags has been built by reading the tags used by <u>Delicious</u> users when saving the links.

download the data: simple lists (txt) | complete data (json)

tag colors are based on a 'soft' to 'hard' scale (defined by a mixed handy/algorithmic method)

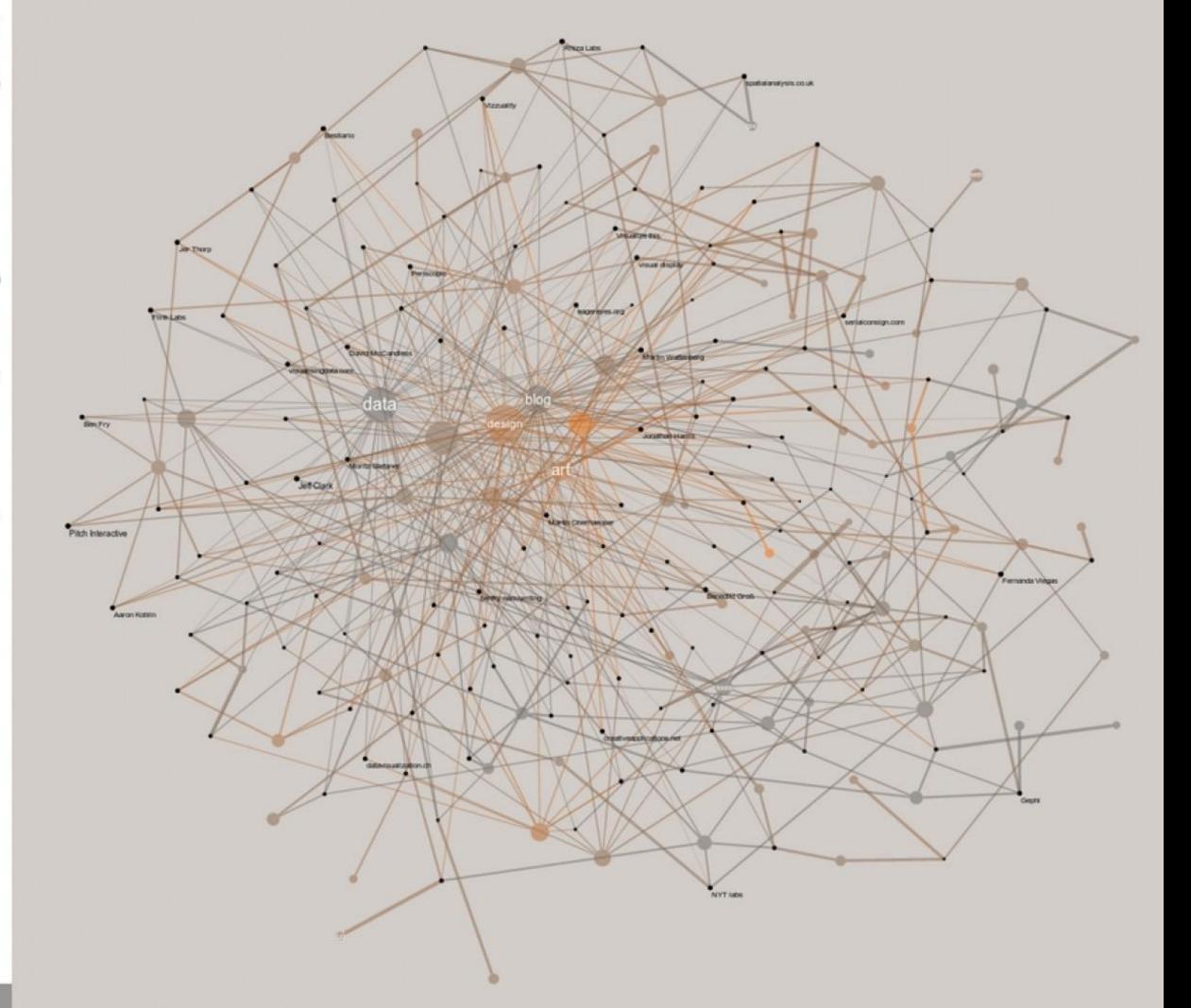
hard

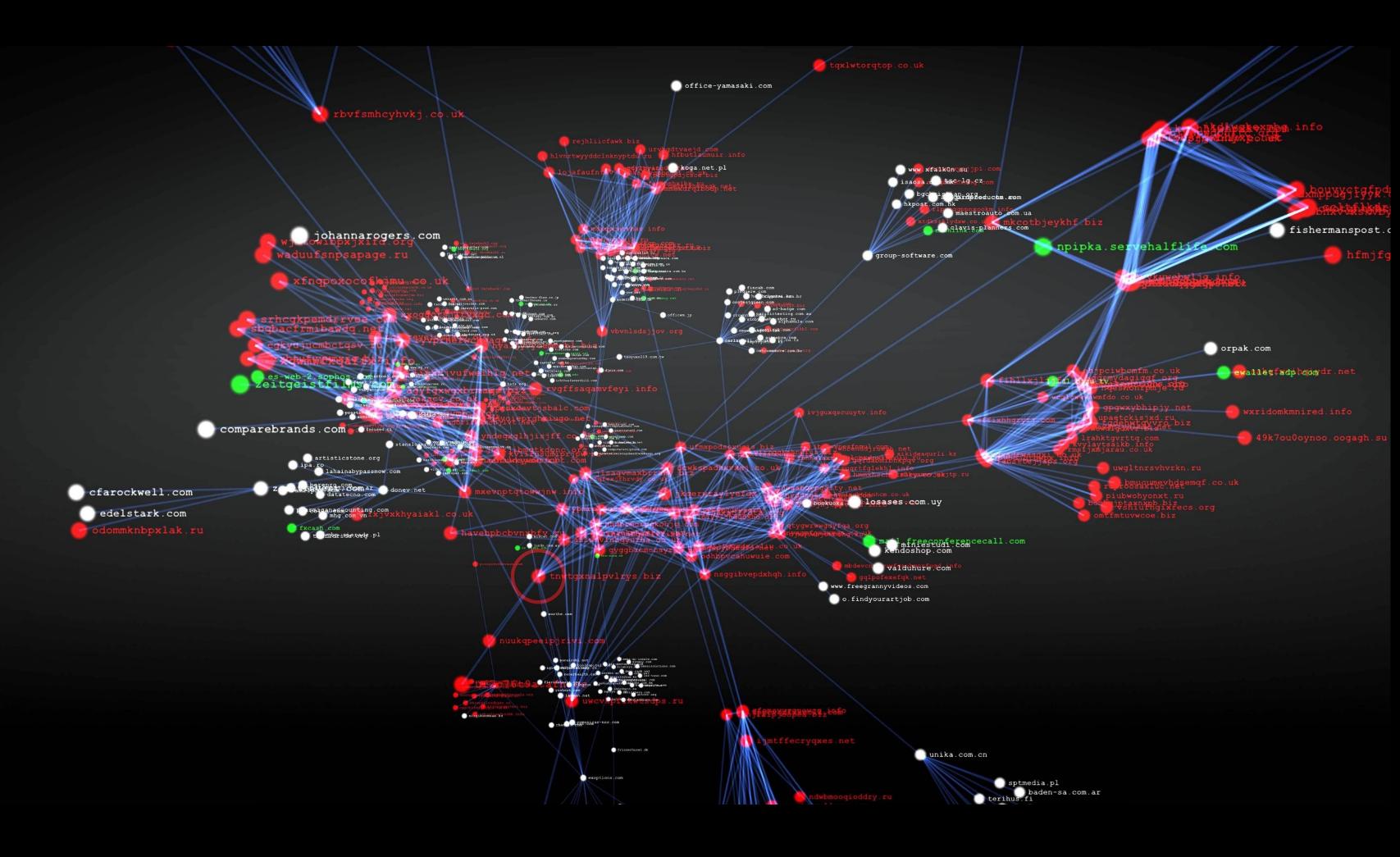
These are great compilations of infovis resources done by realiable people:

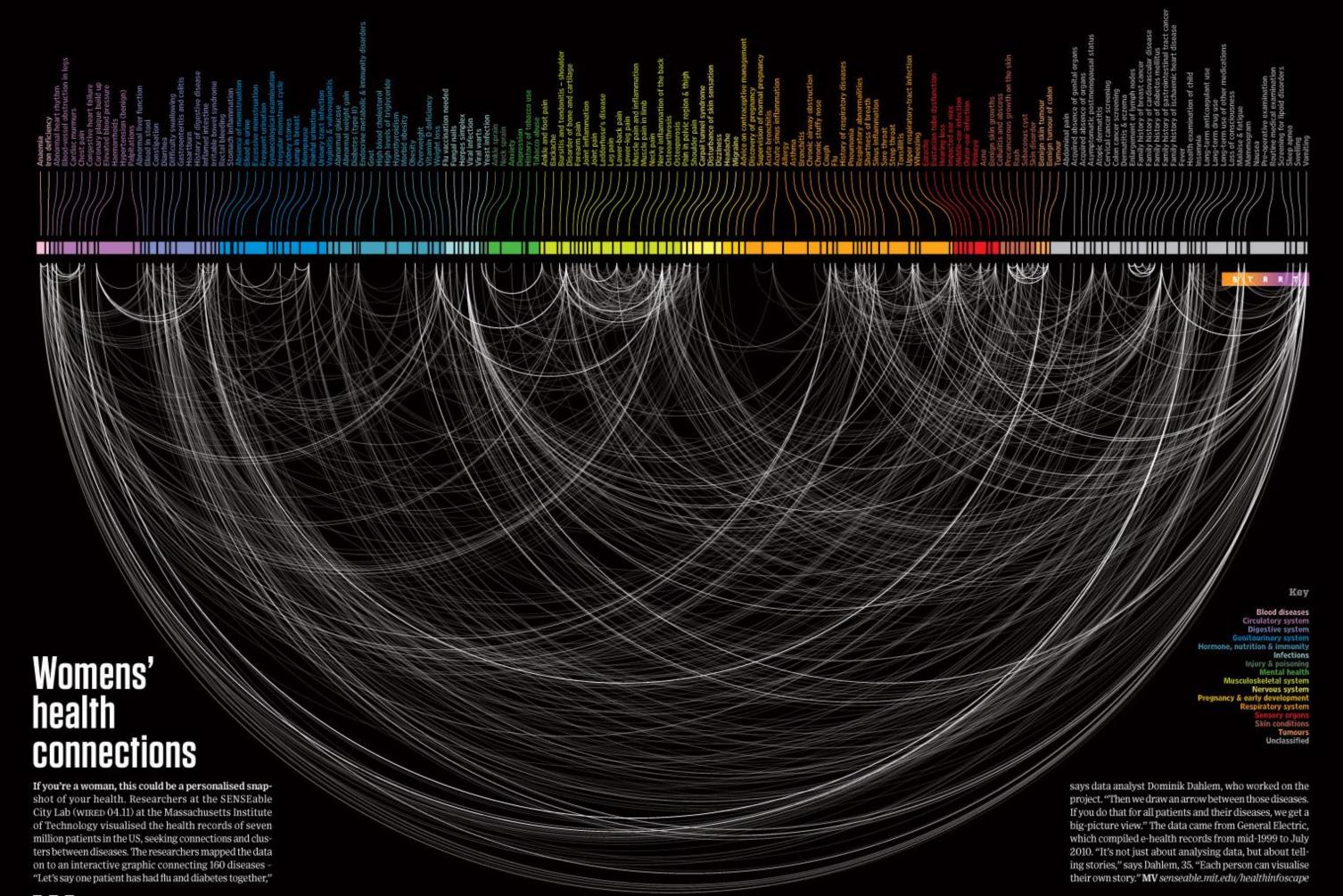
blogs worth following, by flowingdata essential resources, from visualizingdata carefully selected list of tools, by datavis

created by Santiago Ortiz Tweet 127





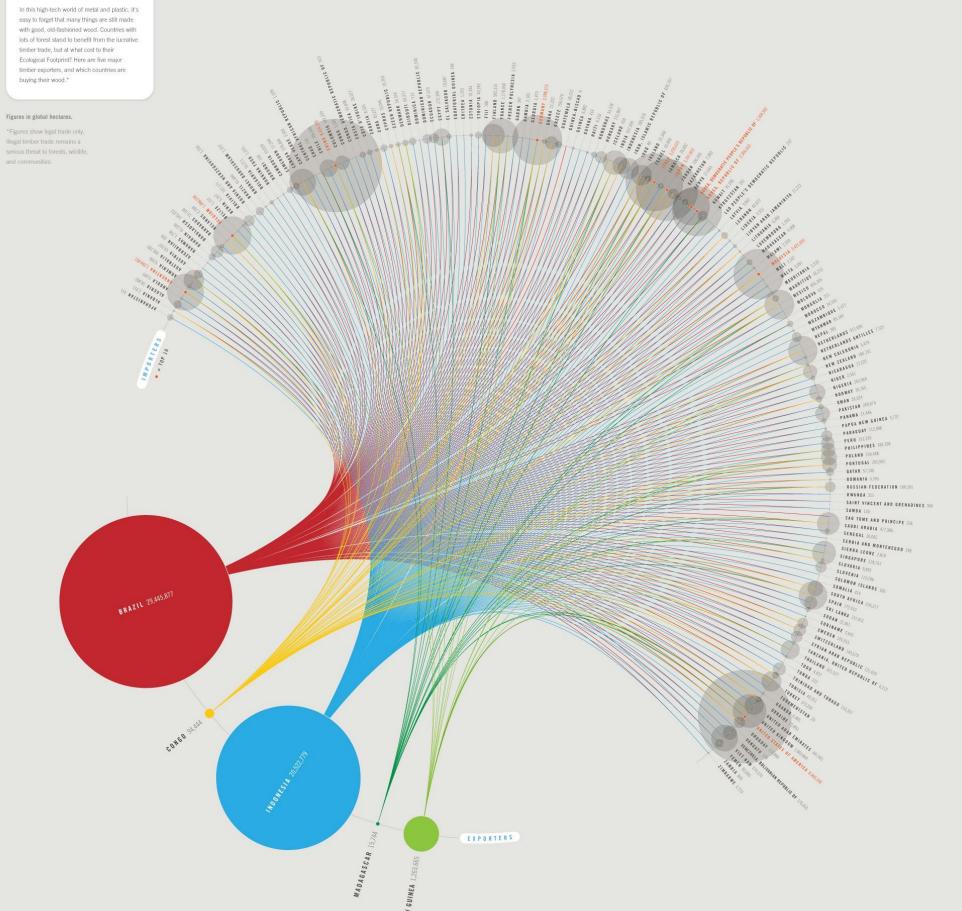




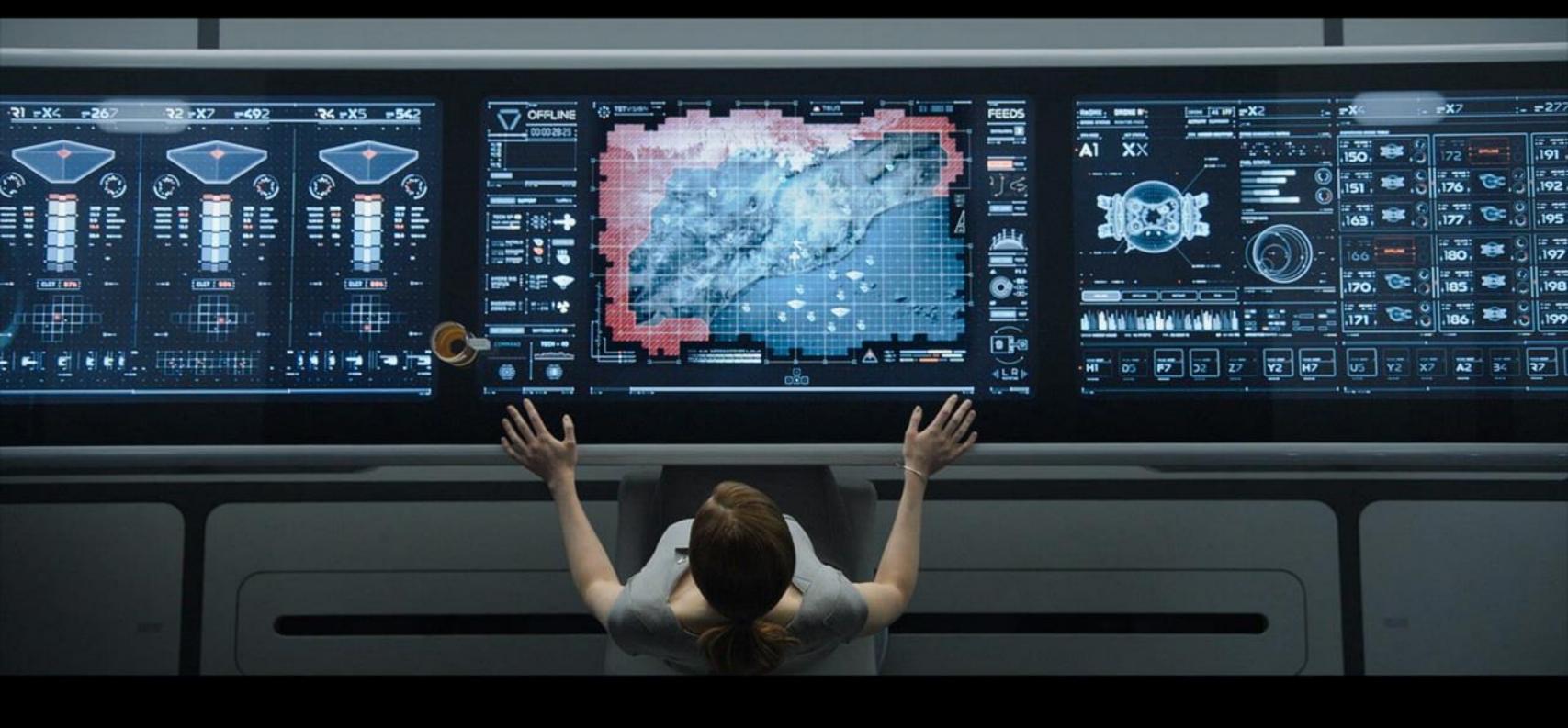


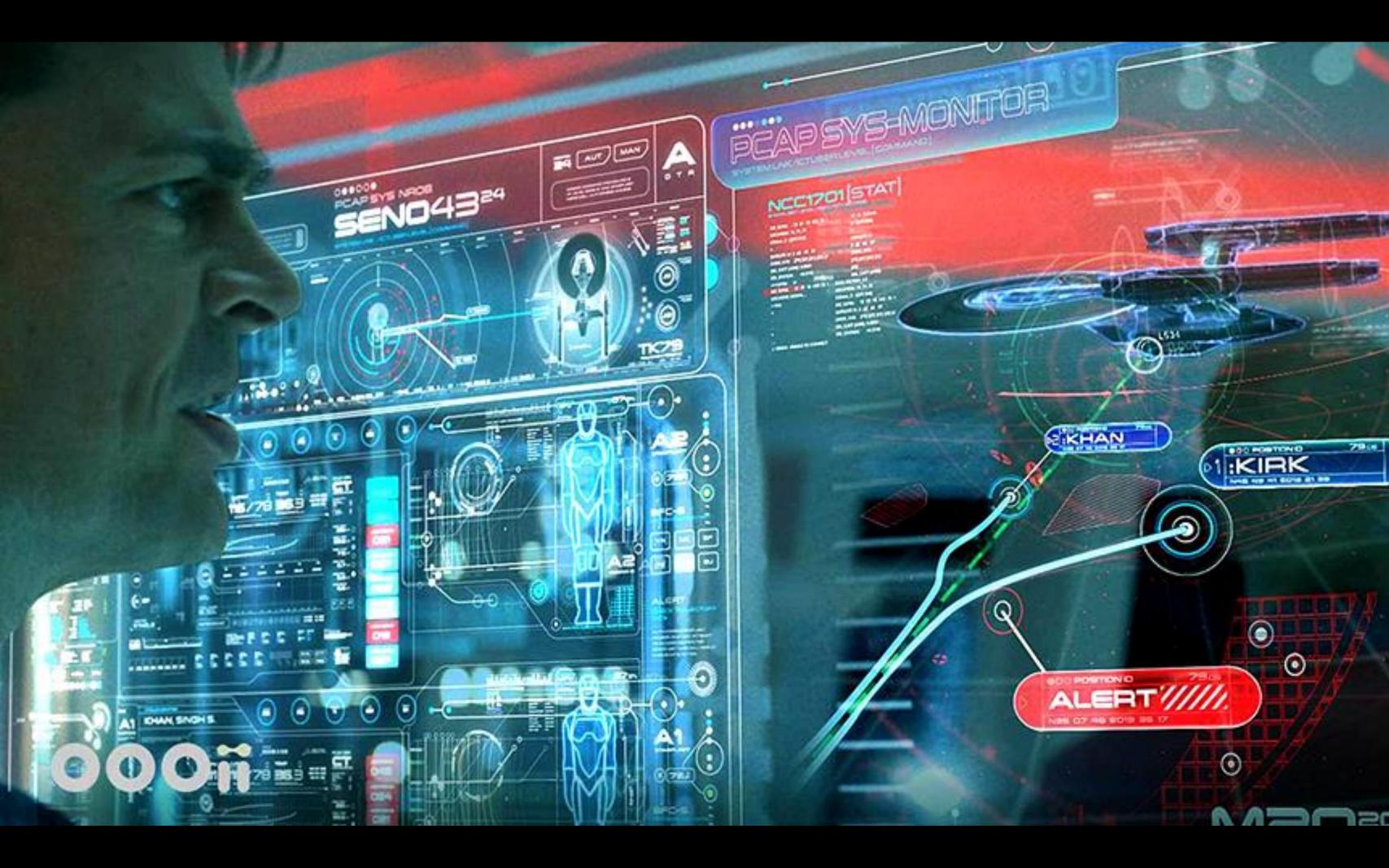




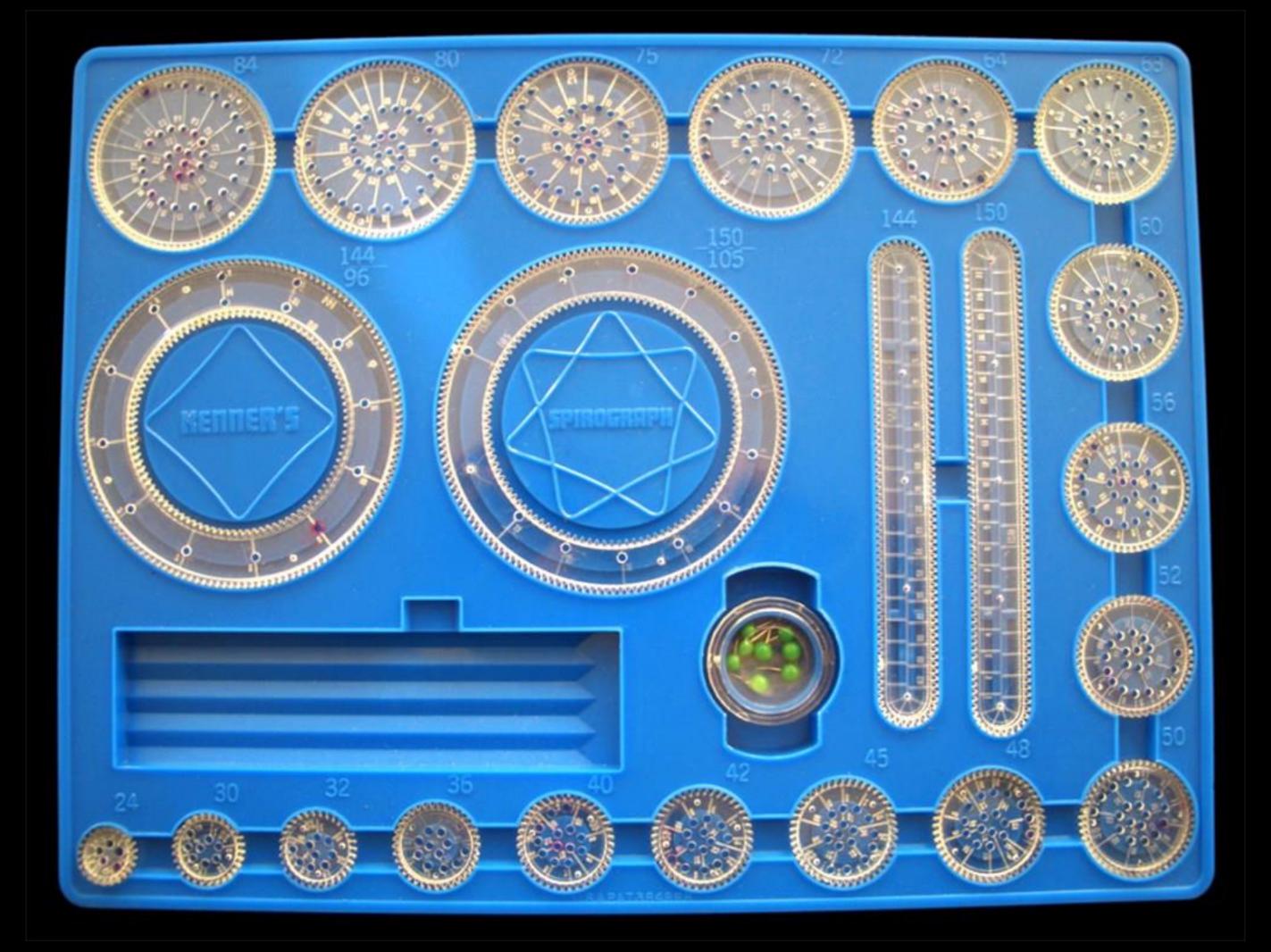




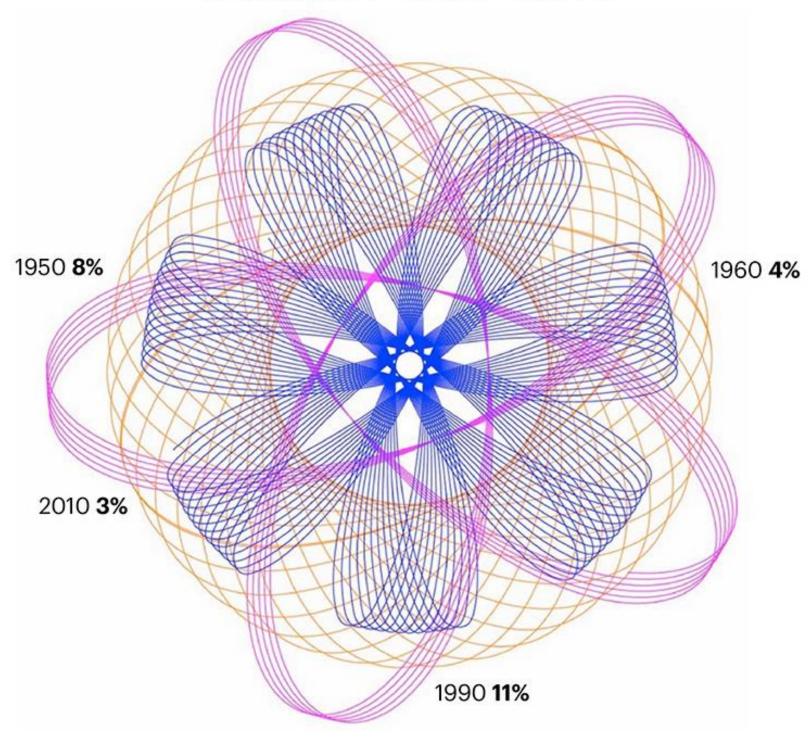




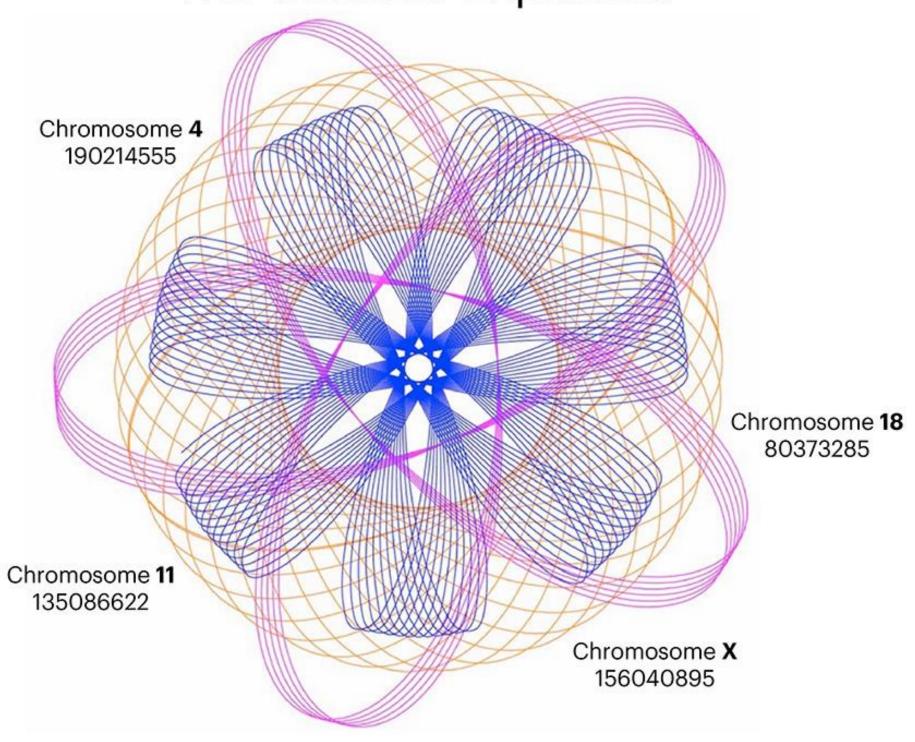




Inflation 1950-2015



The Genome Explained



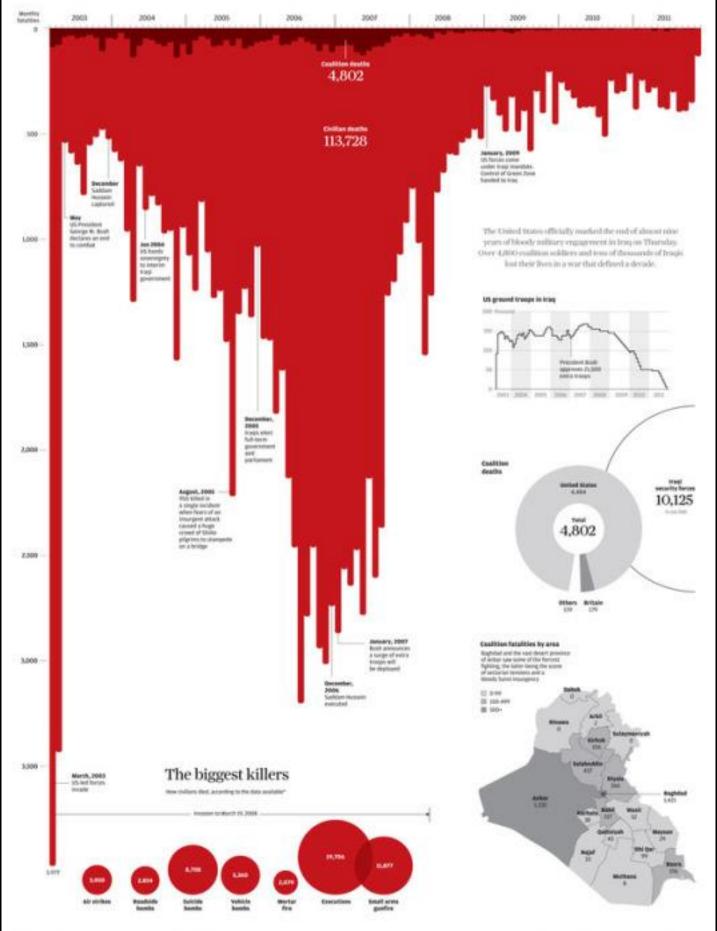


No



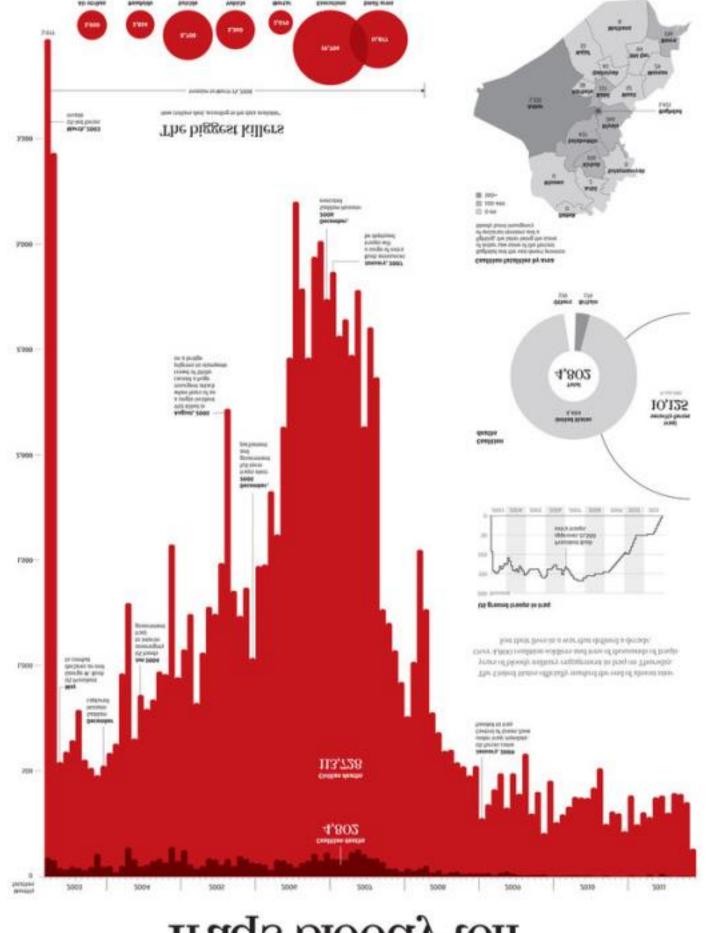
ALZ Saturitary, December 17, 2011 South China Morning Post

Iraq's bloody toll

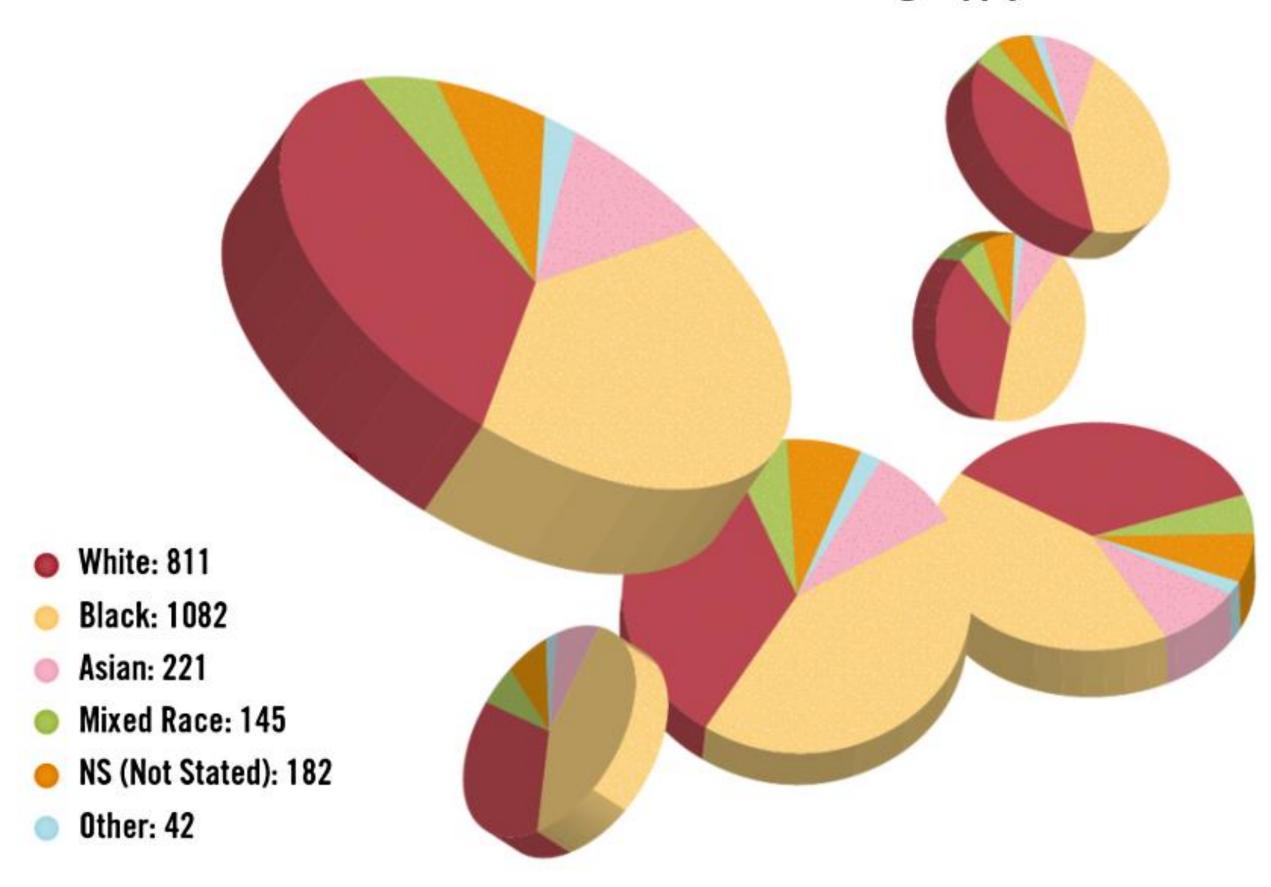


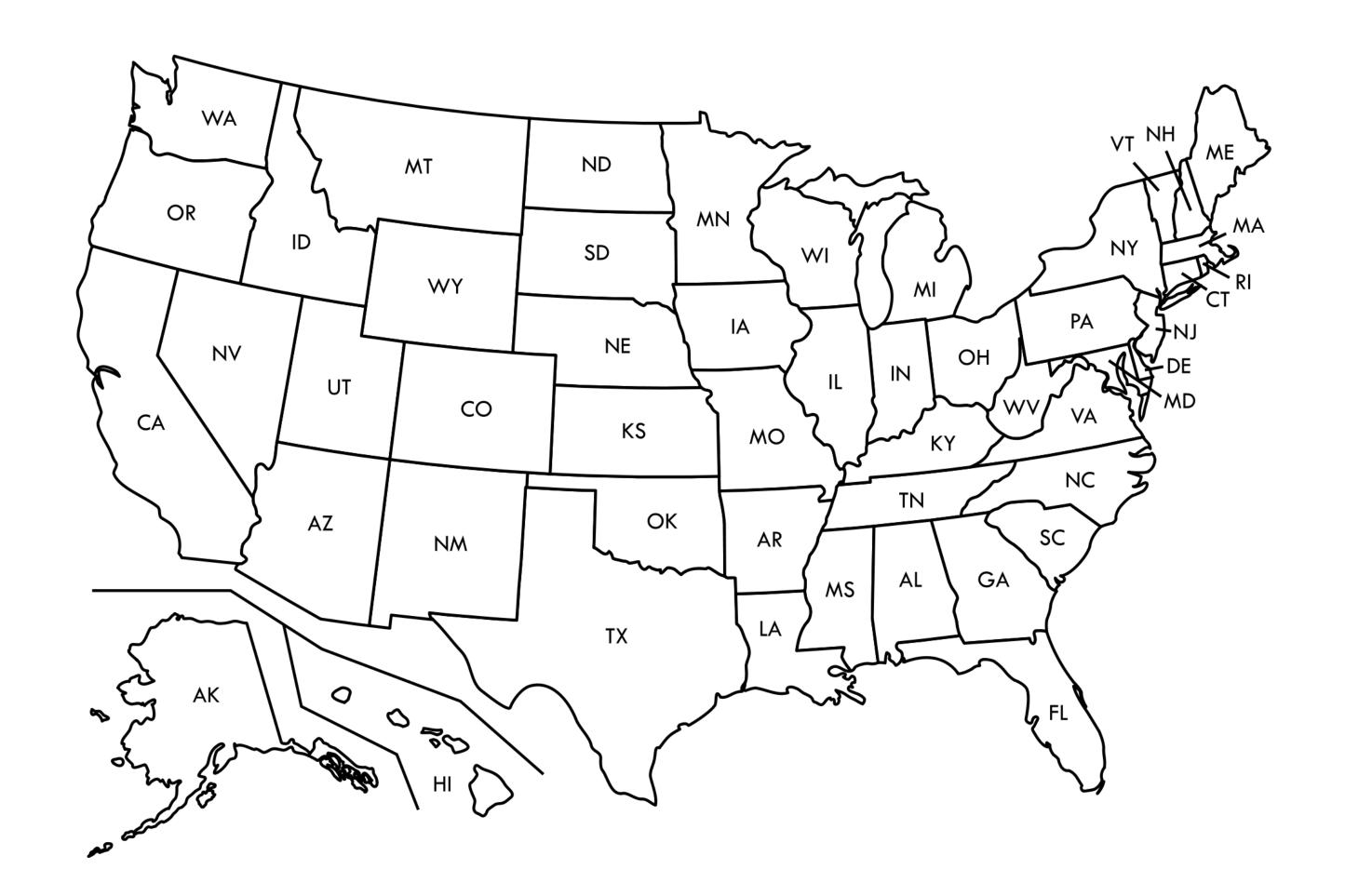
At2 Saturday, December 17, 2011 South China Morning Post

Iraq's bloody toll



Convictions in London for class A drug supply.







pricolas cage films

. Y=swimming pool drownings.

x=Divorces in Maine y=Margarine consumption

Spurious correlations

CORRELATION DOES NOT EQUAL CAUSATION

n=cheese eating

y=fatal Linea Tangles

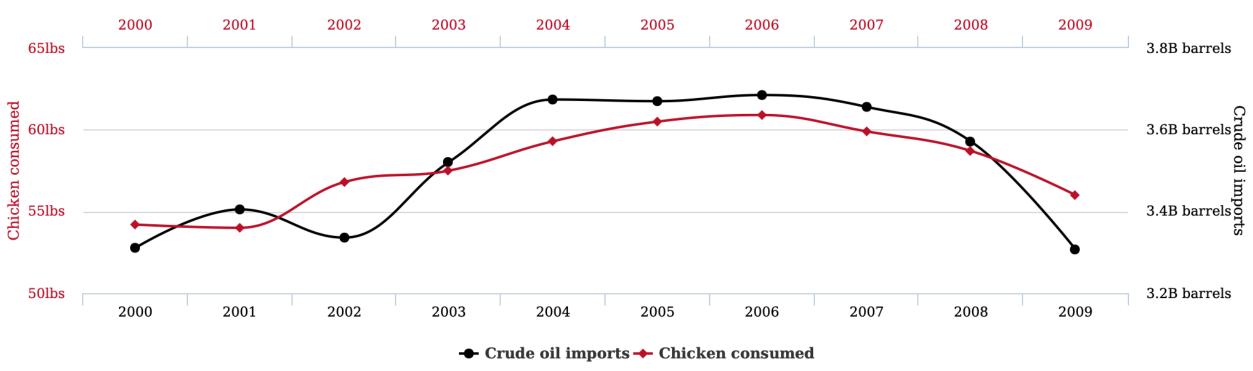
n=shark attacks

y=tornadoes:

TYLER VIGEN

Per capita consumption of chicken correlates with

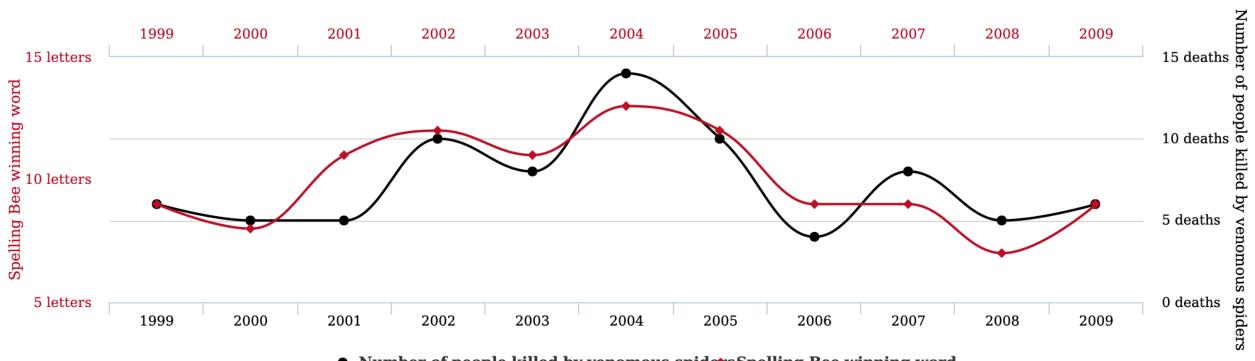
Total US crude oil imports



tylervigen.com

Letters in Winning Word of Scripps National Spelling Bee correlates with

Number of people killed by venomous spiders

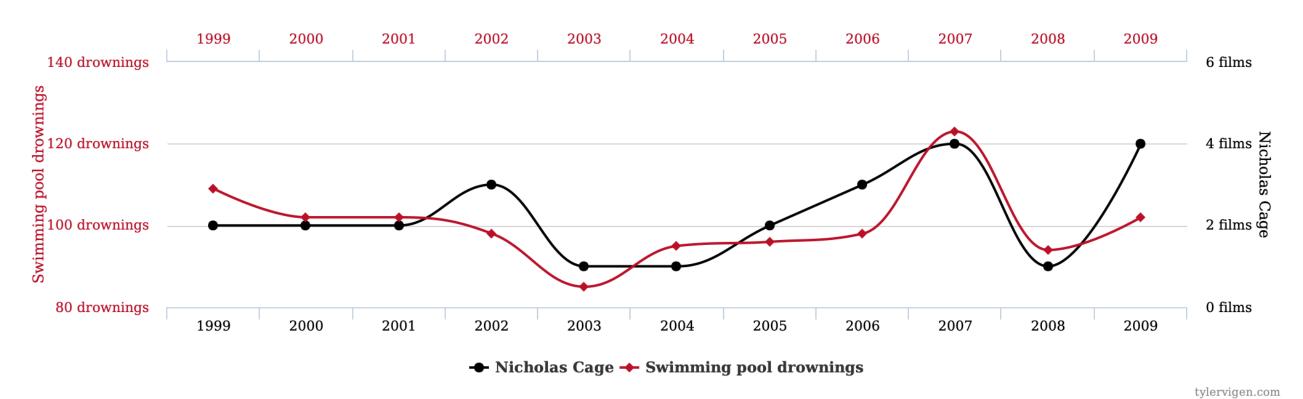


◆ Number of people killed by venomous spiders Spelling Bee winning word

tylervigen.com

Number of people who drowned by falling into a pool correlates with

Films Nicolas Cage appeared in





Should know better





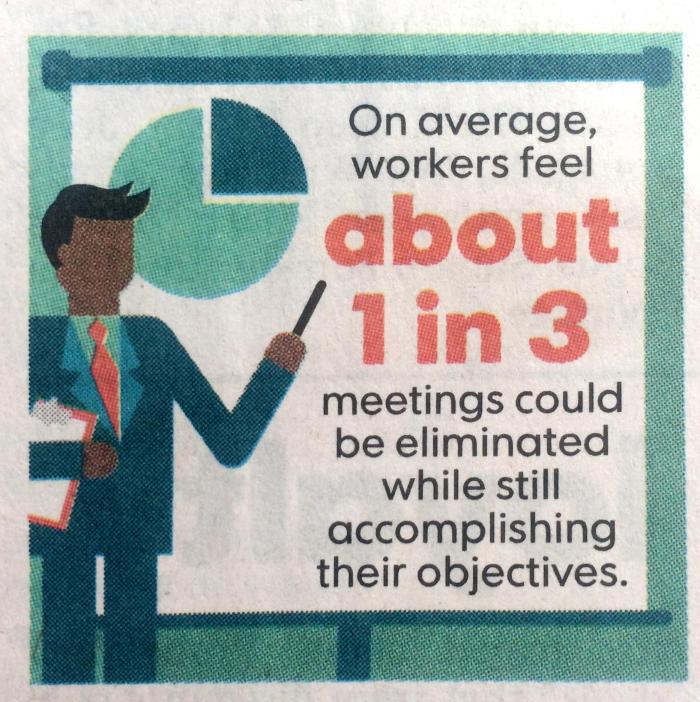
ESPN

🕼 F

Form

USA SNAPSHOTS®

Meeting canceled



SOURCE Post-it Brand survey of 1,000 U.S. full-time office workers

JAE YANG AND KARL GELLES, USA TODAY

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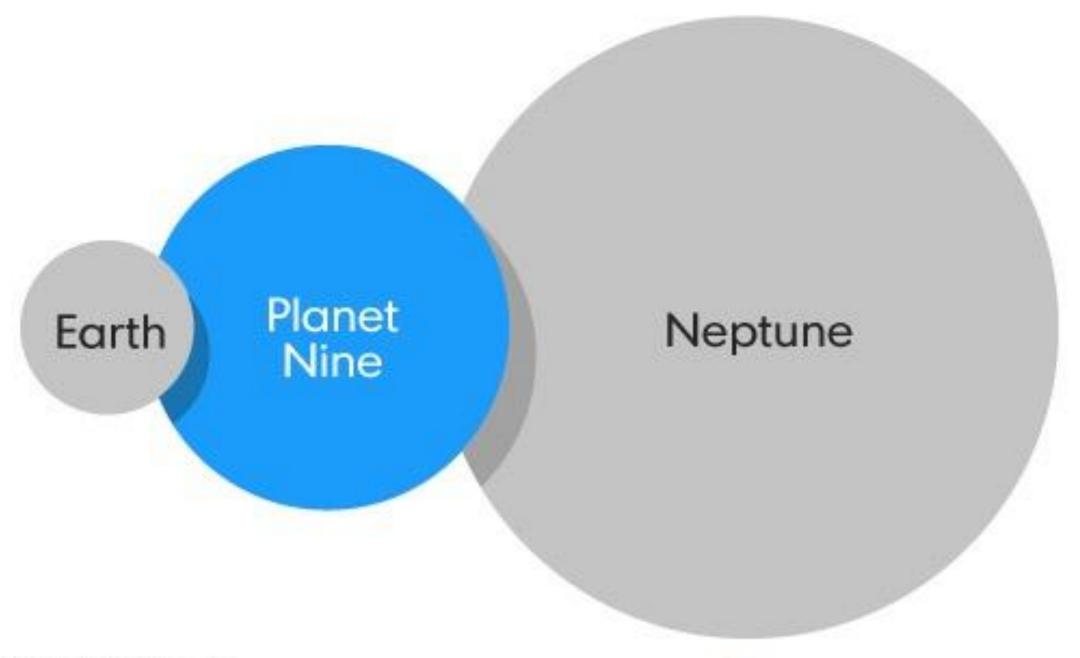
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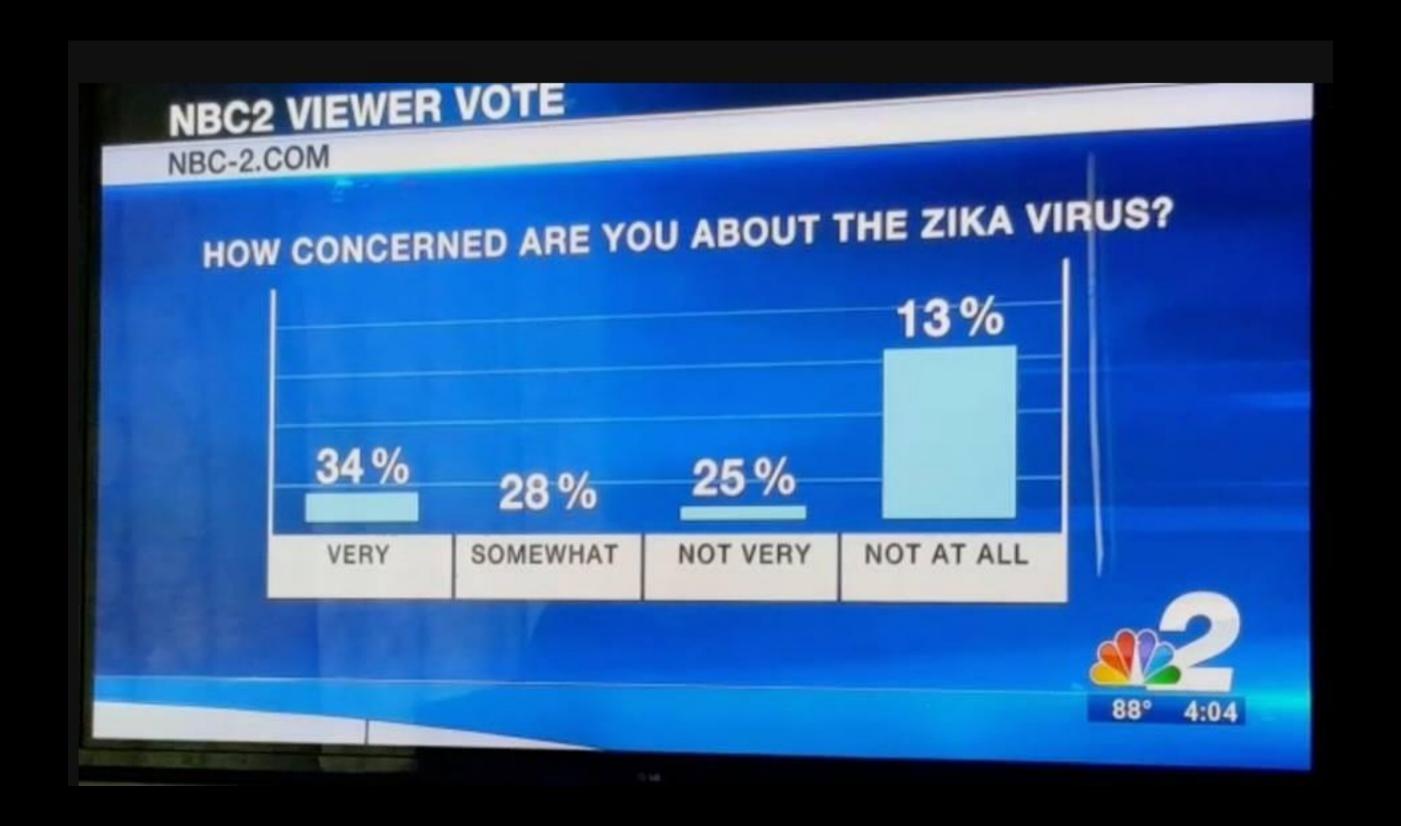
SIZING UP PLANET NINE

Scientists estimate the planet measures somewhere between the size of Earth and that of the planet Neptune.

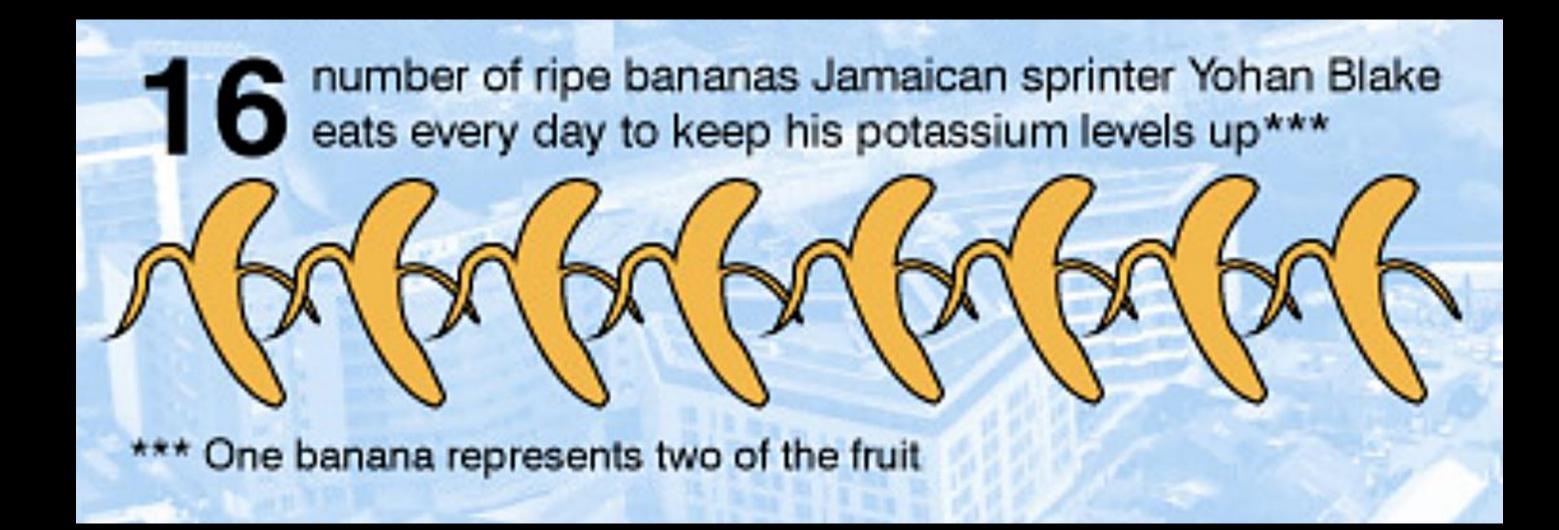


SOURCE: Caltech Frank Pompa, USA TODAY





NBC



CNN



OBAMACARE ENROLLMENT

7,066,000

6,000,000

AS OF MARCH 27 MARCH 31 GOAL



SOURCE: HHS

OBAMACARE ENROLLMENT

6,000,000

7,066,000

AS OF MARCH 27 MARCH 31 GOAL



SOURCE: HHS



ELECCIÓN PRESIDENCIAL 2013







ELECCIÓN PRESIDENCIAL 2013

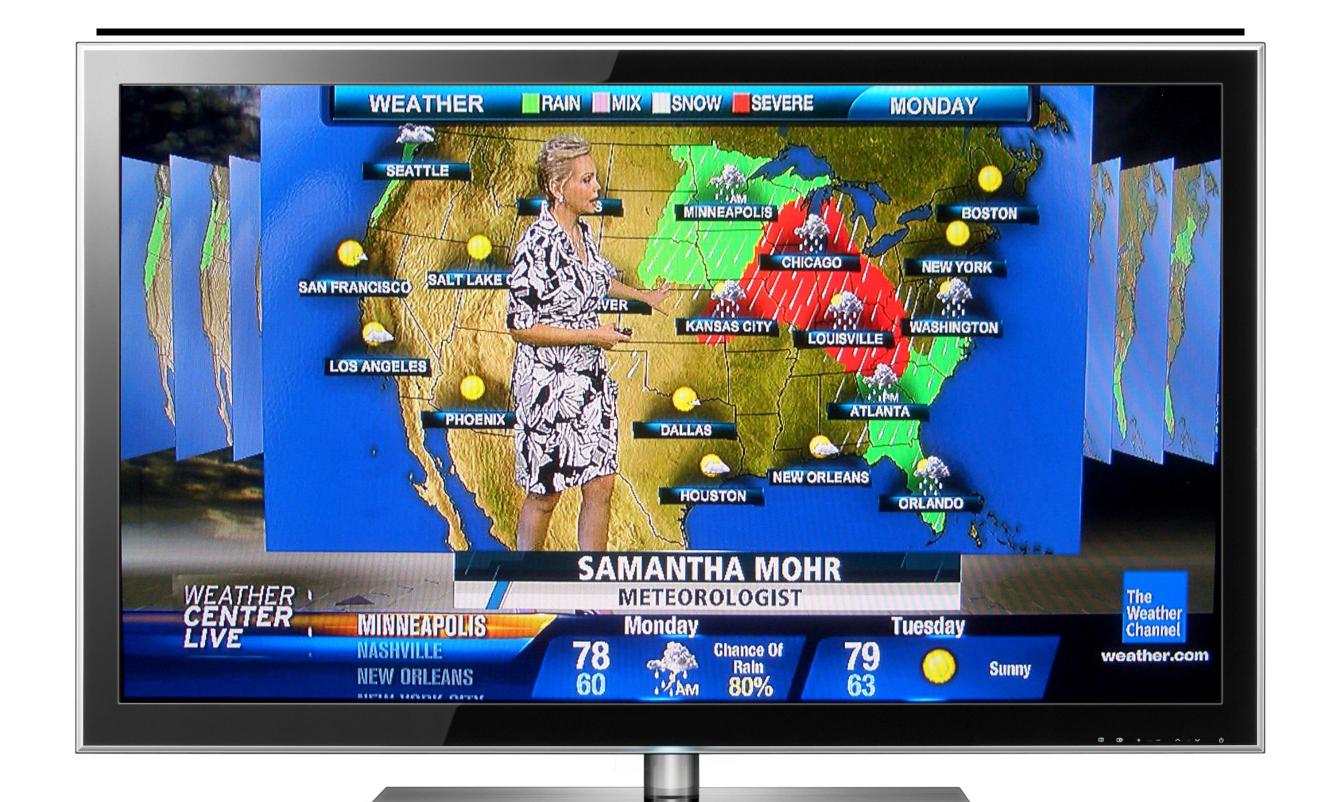














WEATHER'

SNOW GRADUALLY ENDS POCONOS AND UPSTATE NEW YORK

MINNEAPOLIS NASHVILLE **NEW ORLEANS**

BIPTH WORM OFFIE

Light Snow

Right Now

Wind

6 mph from SE

The Weather Channel Feels Like

22°

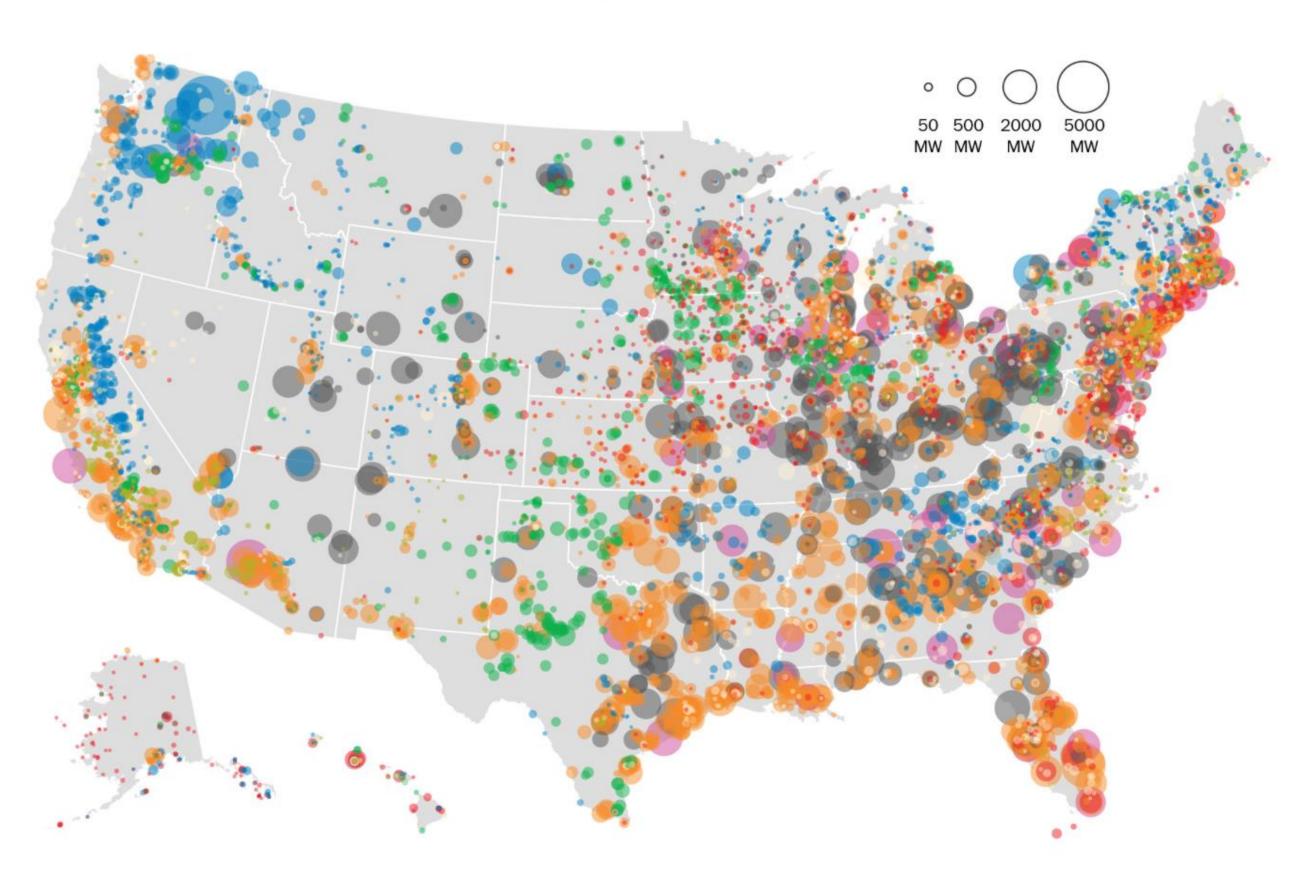
weather.com



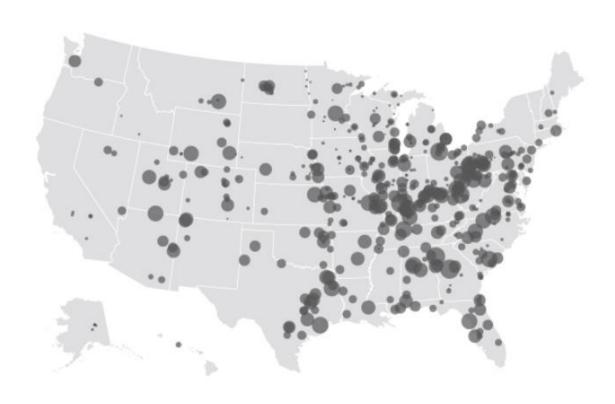
Yes

Plant capacity by power source in megawatts





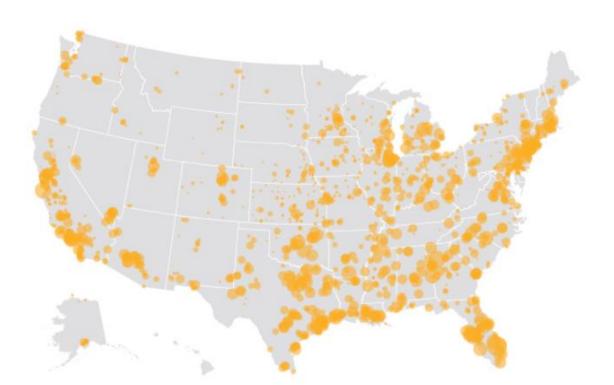




There are 511 coal-powered electric plants in the U.S. They have generated 34 percent of the nation's electricity this year.

The leading fuel for electricity generation in the country, coal is most popular in the Midwest, Appalachia and the East Coast, but is also the primary source in Wyoming, Utah, Montana and Arizona. It generated the vast majority of the nation's electricity in the late 1980s but now creates one-third with natural gas gaining steadily. Coal is the chief source of electricity in 22 states and creates a majority of the electrical power in 14 states.

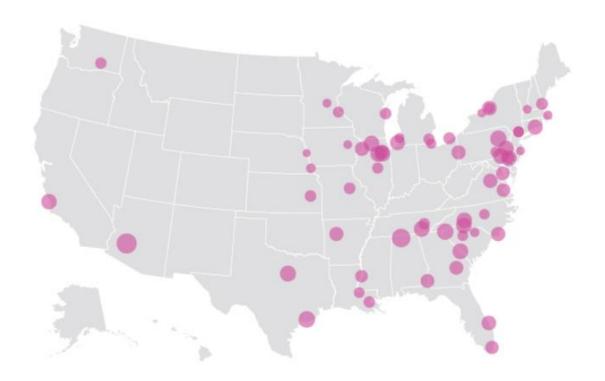




There are 1,740 natural gas-powered electric plants in the U.S. They have generated 30 percent of the nation's electricity this year.

Advances and expansion of fracking in the past decade have unlocked vast supplies of natural gas from shale deposits all over the country. Natural gas is the predominant source of power in 15 states including all of the Gulf of Mexico states, Virginia, Georgia, New York, Massachusetts, Nevada and California.

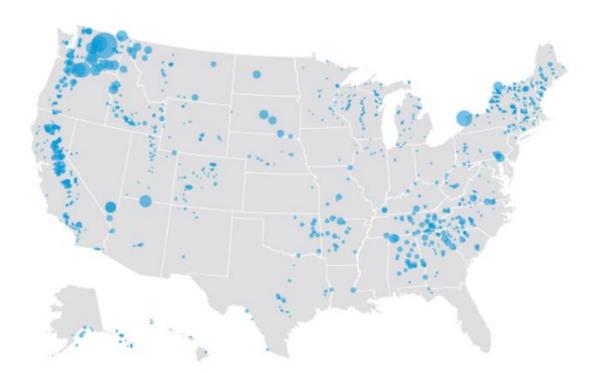




There are 99 reactors at 63 nuclear electric plants in the U.S. They have generated 20 percent of the nation's electricity this year.

Five new nuclear plants are under construction following decades of pause after the initial push in the 1970s and 1980s driven by the first oil shock. Only South Carolina, Illinois, Pennsylvania, Connecticut and New Hampshire get a plurality of their power from nuclear. Twenty states have no nuclear electricity generation at all.



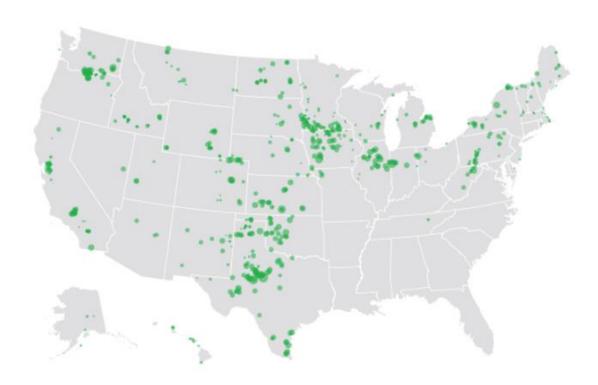


There are 1,436 hydroelectric plants in the U.S. They have generated 7 percent of the nation's electricity this year.

Washington, Oregon and Idaho lead the nation in power from hydroelectric plants. It's a feast-or-famine source, providing 48 percent or more of the power in five states, but less than 10 percent of the electricity in 40 states.

Government-run plants generate most of the power.





There are 843 wind-powered electric plants in the U.S. They have generated 5 percent of the nation's electricity this year.

Wind is the fastest growing source, finding a home in the Great Plains where wind blows reliably across wide open spaces. Iowa and South Dakota get one third of their power from wind, followed by Kansas, Vermont and North Dakota.





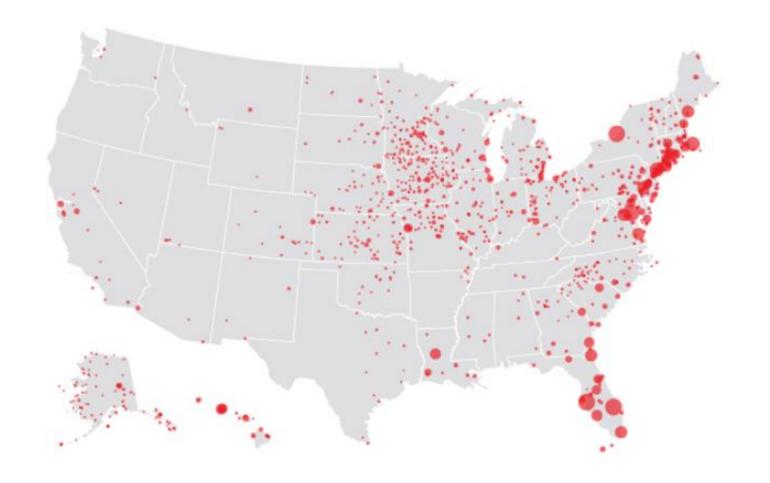
All

There are 772 solar-powered electric plants in the U.S. They have generated 1 percent of the nation's electricity this year.

Sun power is predominantly in the Southwest where the sun shines the most. Thirty-nine states have no solar generating plants.

California gets 8 percent of its electricity from solar and Nevada gets 5 percent, followed by Vermont and Arizona with 4 percent each.



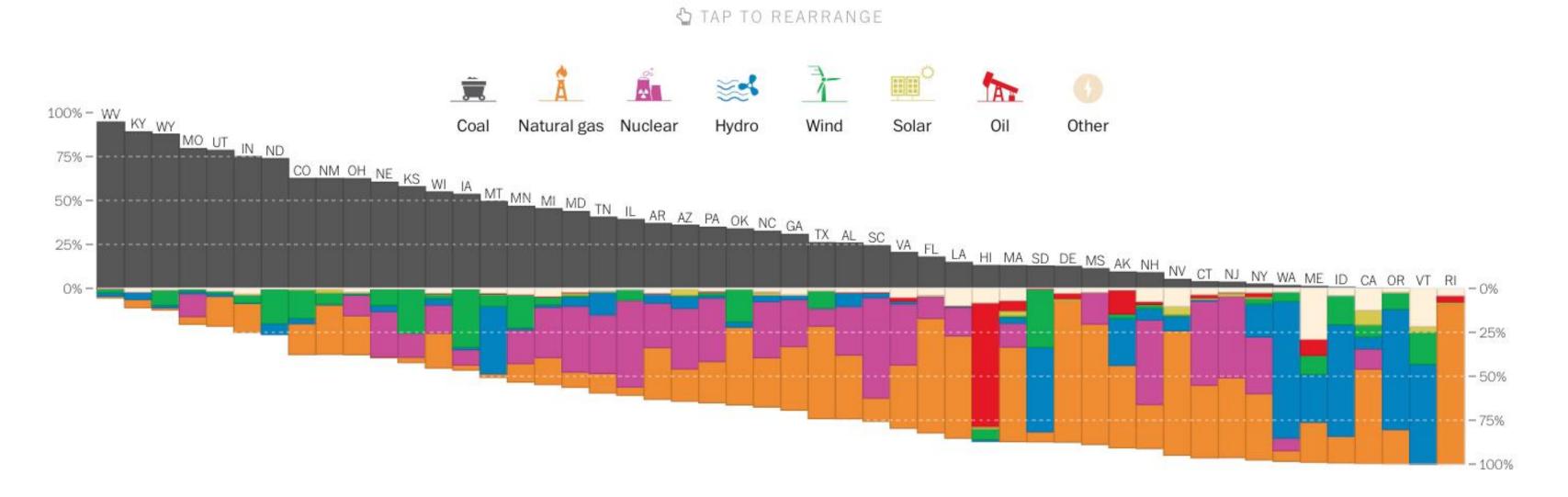


There are 1,098 oil-powered electric plants in the U.S. They have generated one percent of the nation's electricity this year.

Petroleum is no longer a popular source for electricity generation. After the rise of OPEC and the oil shocks and price increases of the 1970s, utilities switched to other fuels, mostly coal. Hawaii is the only state that gets a plurality of its electricity from oil.

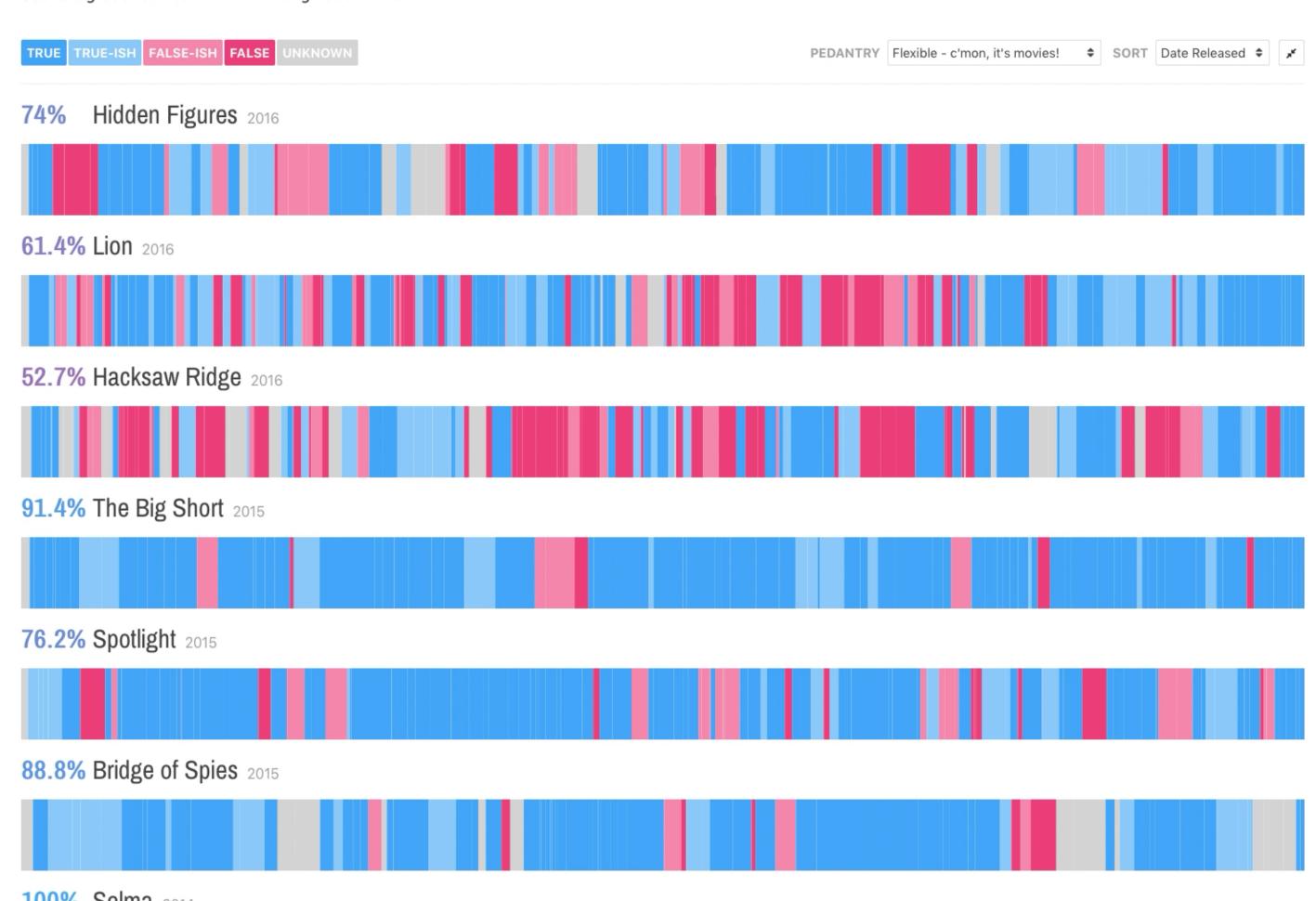
Electricity generation by power source, January to May 2015

Local electric utilities take advantage of the power sources most accessible to them: coal mines, dammed rivers, new supplies of natural gas or nuclear plants to generate the bulk of the nation's electricity. This shows the source of electricity generation in each state in 2015.



Based on a True True Story?

Scene-by-scene Breakdown of Hollywood Films



Speed of Light
7.5 orbits per second at surface



James O'Donoghue / NASA - T: @physicsJ IG: jameslikesspace

EARTH AND MOON

- to scale -

Speed of light in real-time Surface-to-surface in 1.255 seconds



EARTH

Моом

Average distance 384,400 км

James O'Donoghue / NASA imagery - T: @physicsJ IG: jameslikesspace

EARTH, MOON AND MARS

All distances to scale; bodies x20 larger —



James O'Donoghue / NASA imagery - T: @physicsJ IG: jameslikesspace

CITIES OF GOLD THE RICH CONTINUE to get richer—and at a faster rate. Global private financial wealth increased by 5.3% to \$166.5 trillion last year, according to the Boston Consulting Group. That compares with a 4.4% gain the year before. Some 45% of that \$166.5 trillion is held by 18 million millionaire households worldwide. The number of such households in Asia is growing fast. But the U.S. still has the largest share, with more than 7 million millionaire households vs. 2.1 million in China. To see where wealth is concentrated in the U.S., we plotted data from Phoenix Marketing International showing households with more than \$5 million in PORTLAND 8,772 assets by urban area. —BRIAN O'KEEFE SAN FRANCISCO **GLOBAL PRIVATE FINANCIAL WEALTH** 22,991 \$250 TRILLION SEATTLE REST OF THE WORLD U.S. 2014 2017 CANADA MINNEAPOLIS 14,911 CHICAGO 35,056 DETROIT 14,792 DALLAS -23,904 NEW YORK CITY 81,240 AUSTIN 7,412 MEXICO 80,000 HOUSEHOLDS CINCINNATI WITH WEALTH OF 7,441 \$5 MILLION OR MORE ATLANTA 18,354 BALTIMORE PHILADELPHIA 12,352 23,912 WASHINGTON, D.C. 32,540 PITTSBURGH CHARLOTTE ATLANTIC OCEAN 17,921





















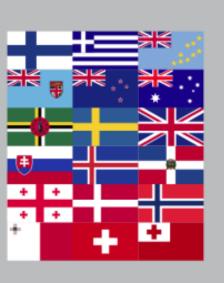




































CHILD'S PLAY 8-12 points FAIR 13-32 points PASSABLE 34-176 points CHALLENGING 191-856 points IMPOSSIBLE 1028-10874 points

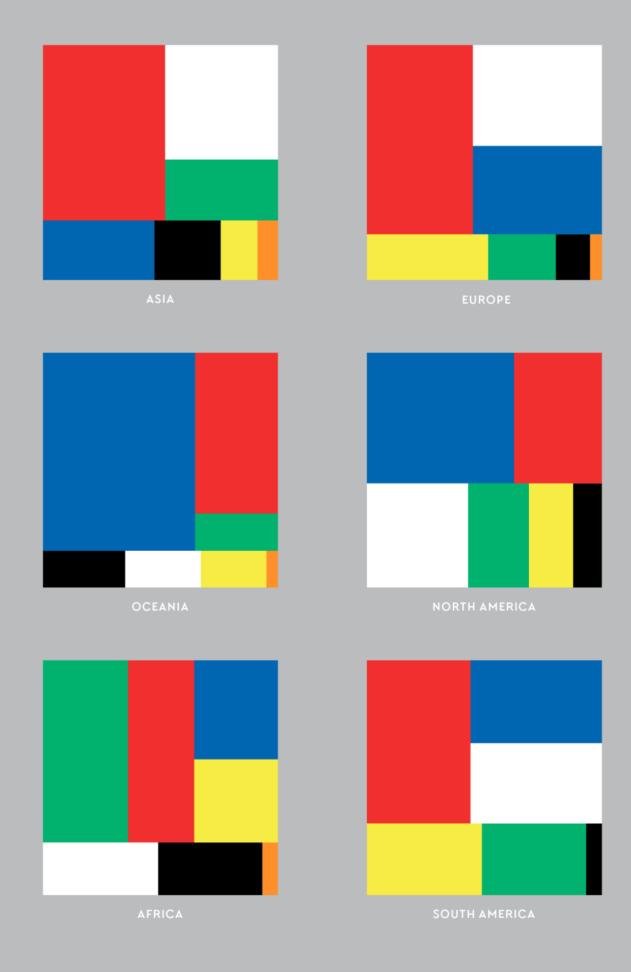


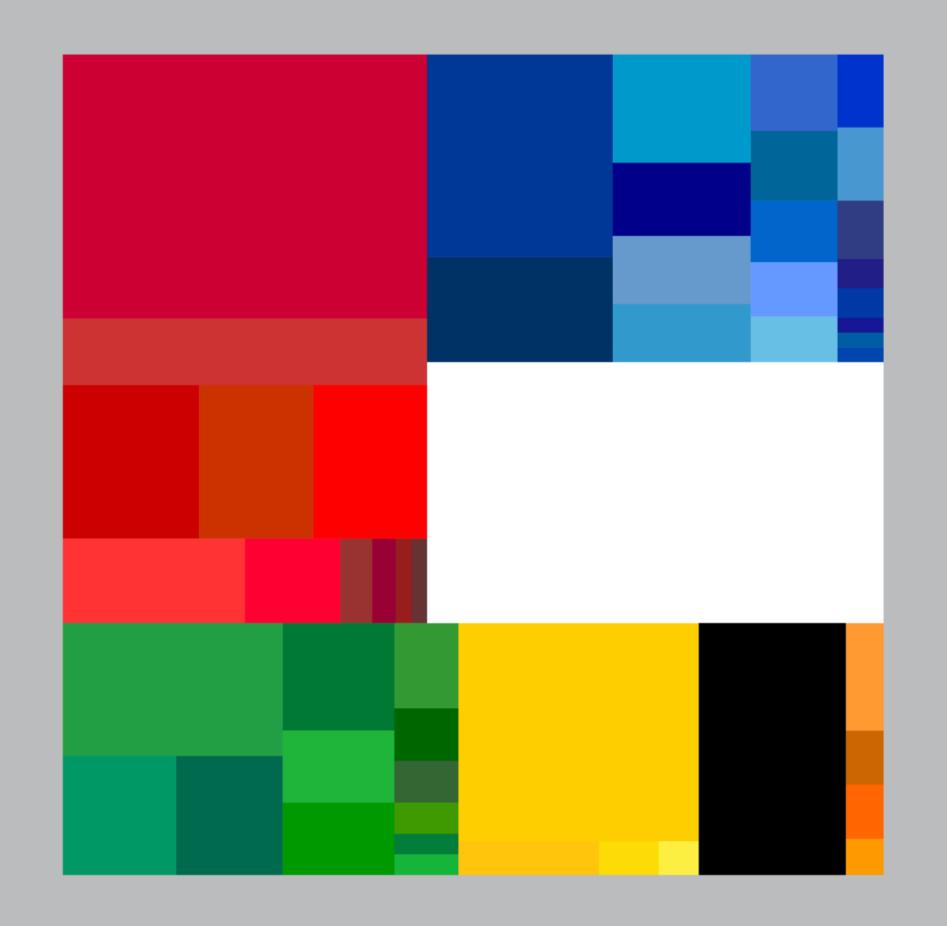




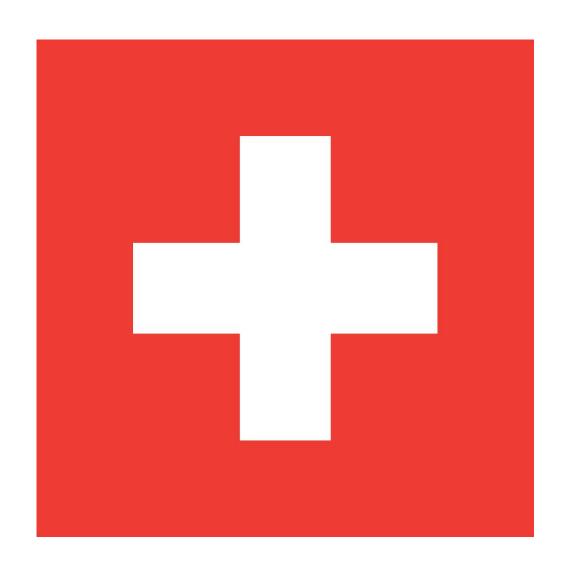




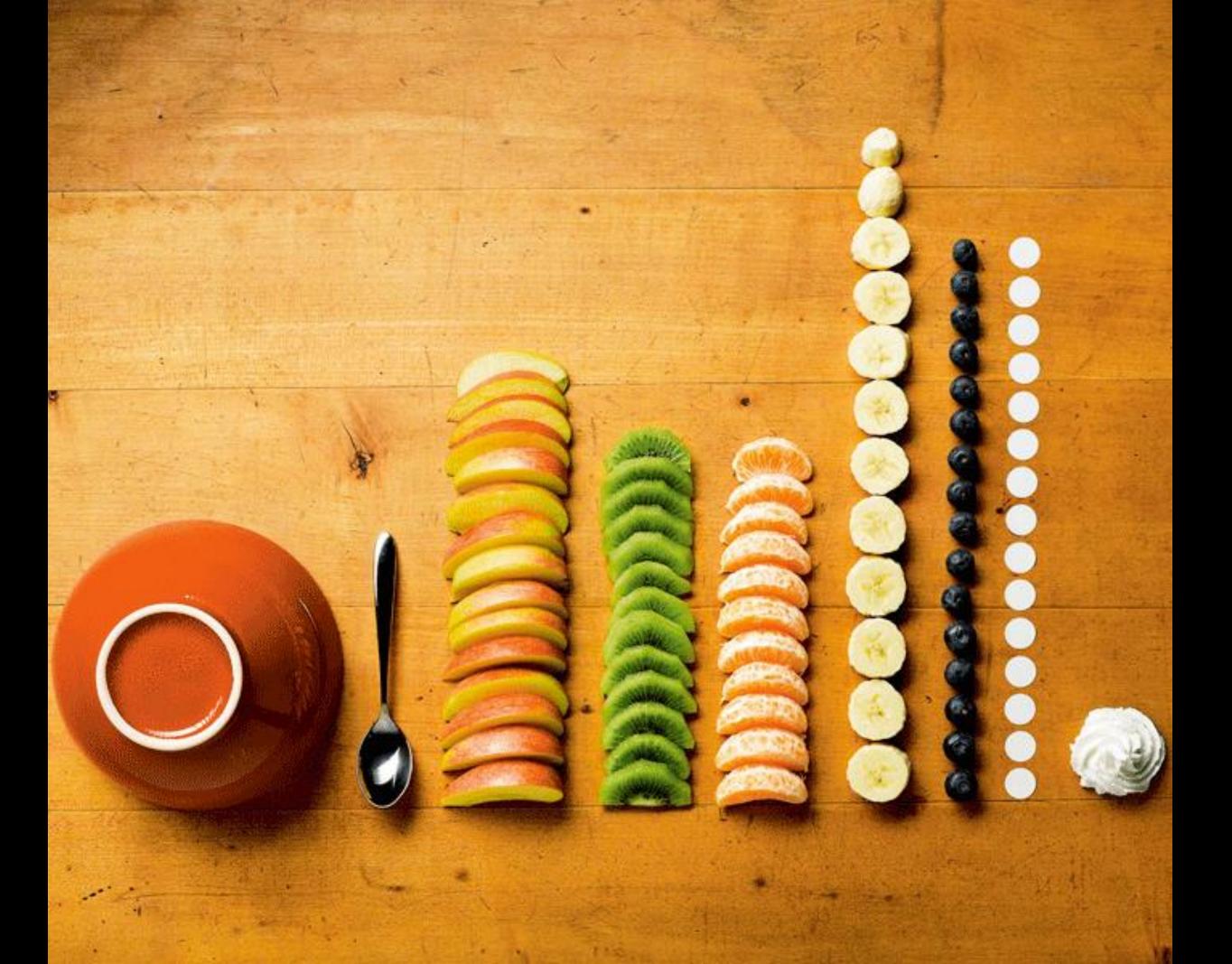




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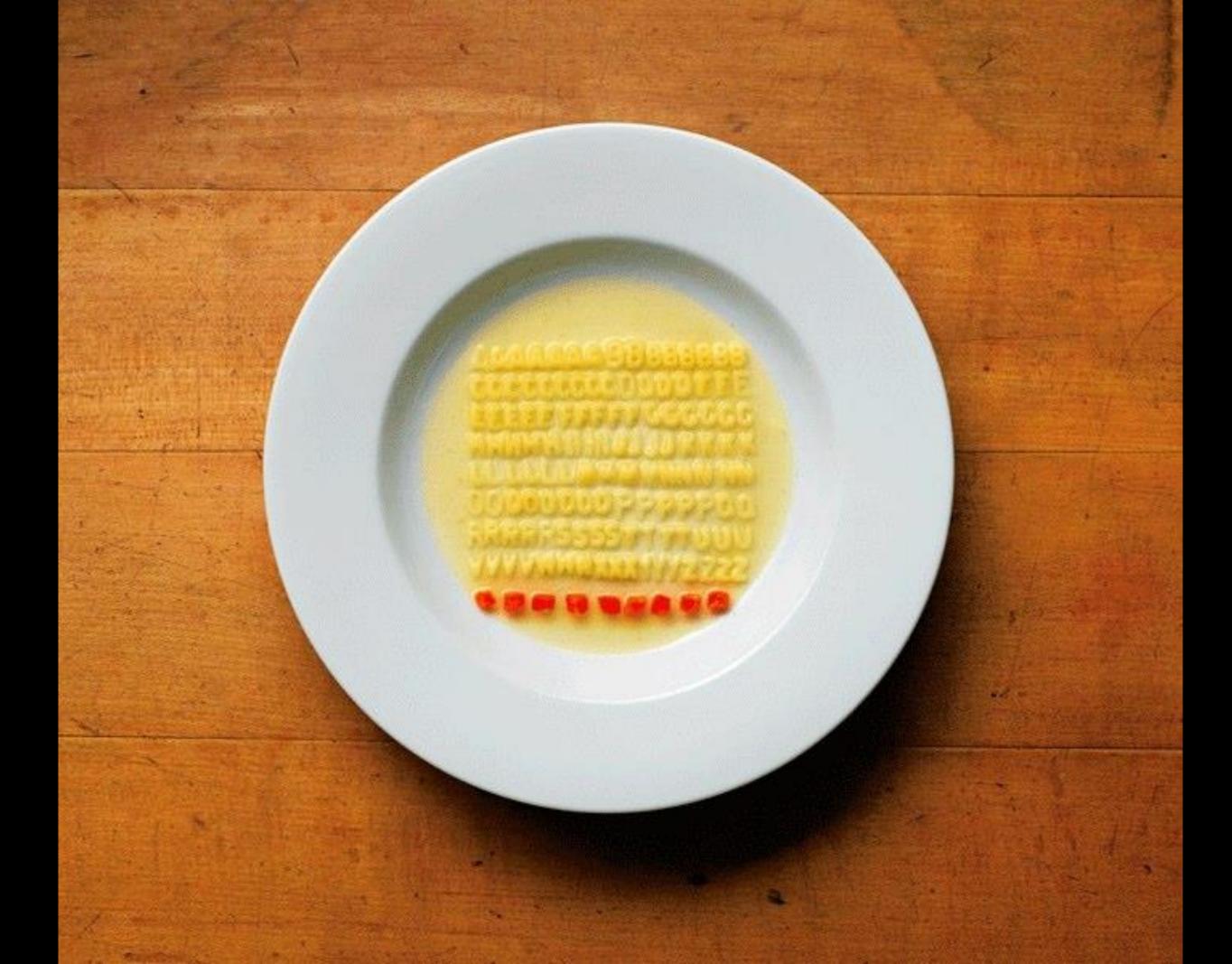


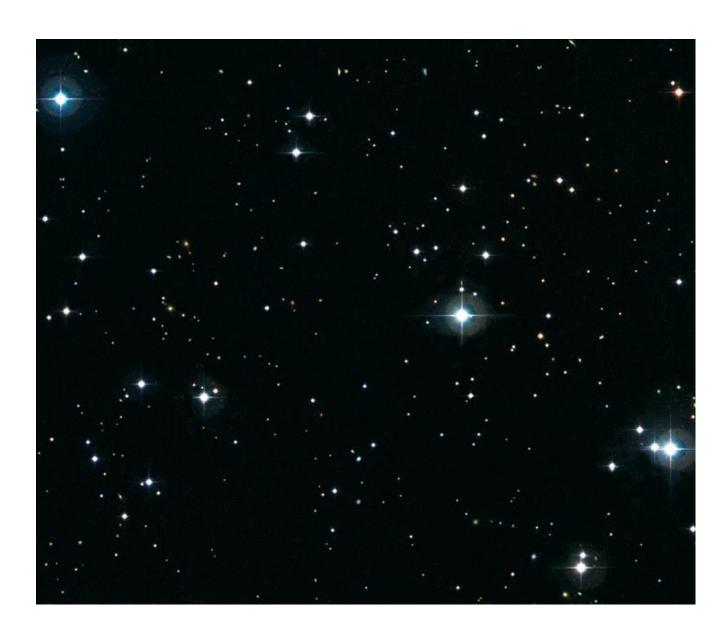










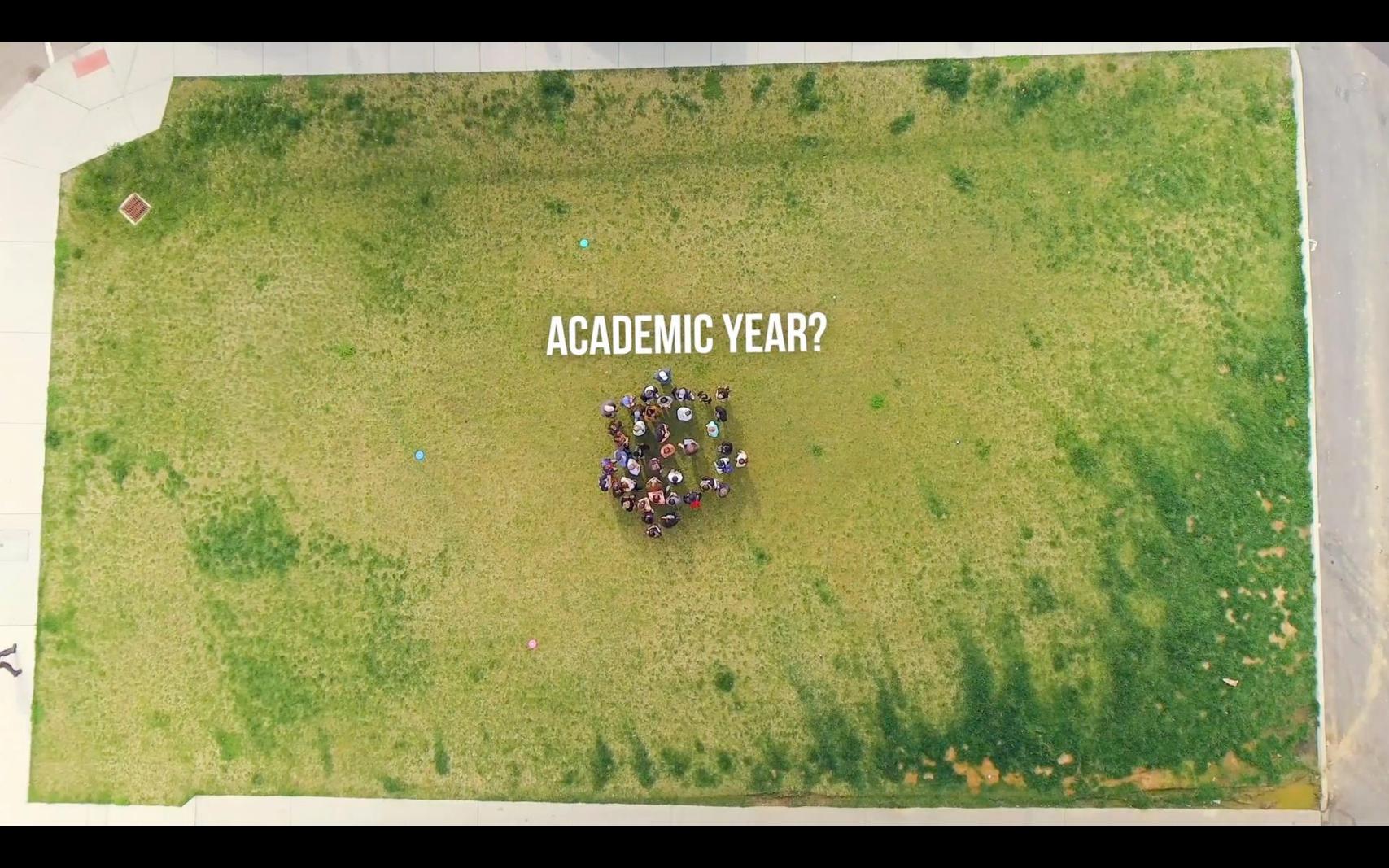




VisCom THE SCRIPPS COLLEGE OF COMMUNICATION





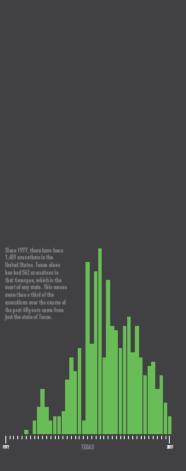


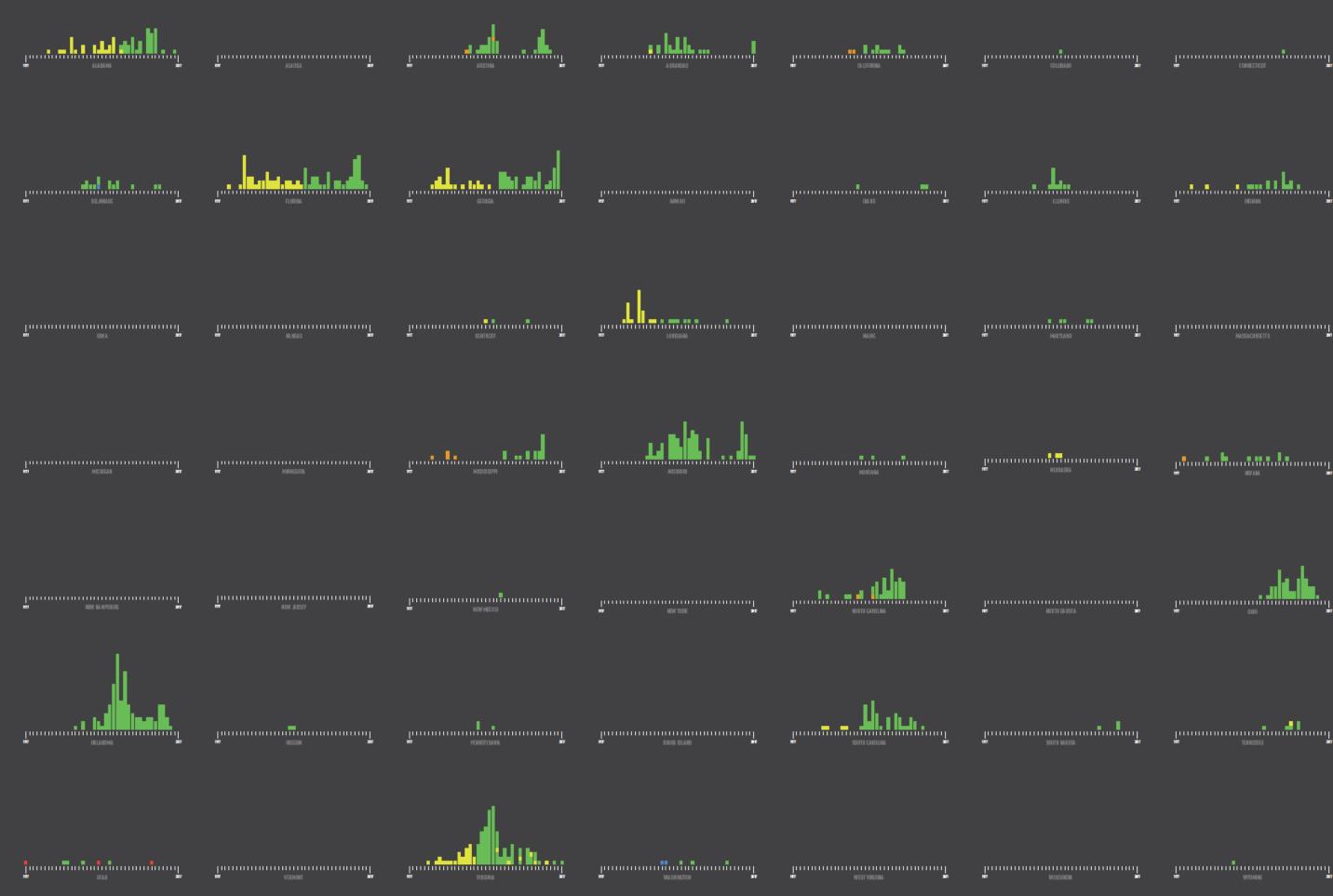
EXECUTIONS BY STATE

The death penalty is something that has been around since as early as Eleventh Century B.C.E. Since then, laws and practices have fluctuated in regards to the allowance of executions. After years of changes, the death penalty officially suspended in the United States in June of 1972. It remained this way for peach fire years of later this year, Oklahama becames nearly five years. Later this year, Oklahoma becomes the first state to use lethal injection as a method of execution. However, with the influx of this practice after it's reenactment, several states have still remained against it and not executed anyone in the past 40 years; 16 to be exact (these states are faded out). This graphic is meant to show the trend of executions and the methods of doing so while serving as a comparison among states.

KEY

- Electrocution
- Lethal InjectionGas Chamber
- HangingFiring Squad



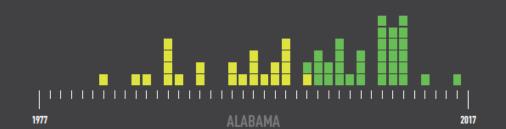


EXECUTIONS BY STATE

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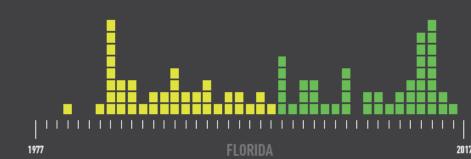
KEY

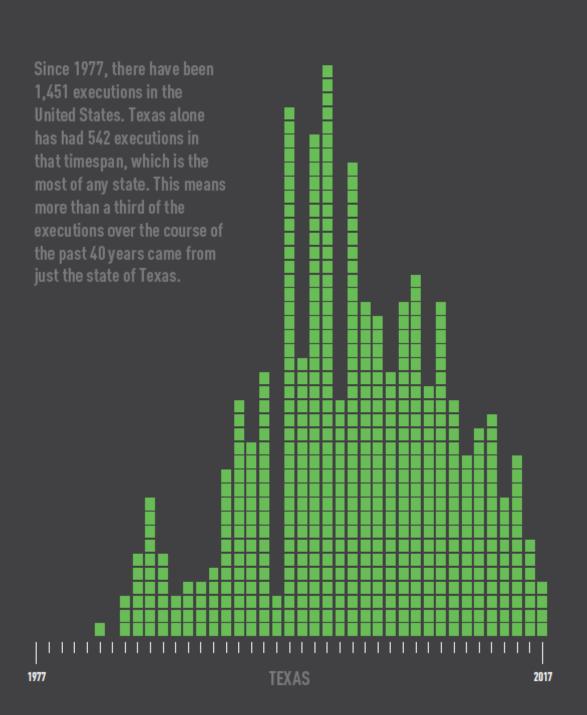
- Electrocution
- Lethal Injection
- Gas Chamber
- Hanging
- Firing Squad

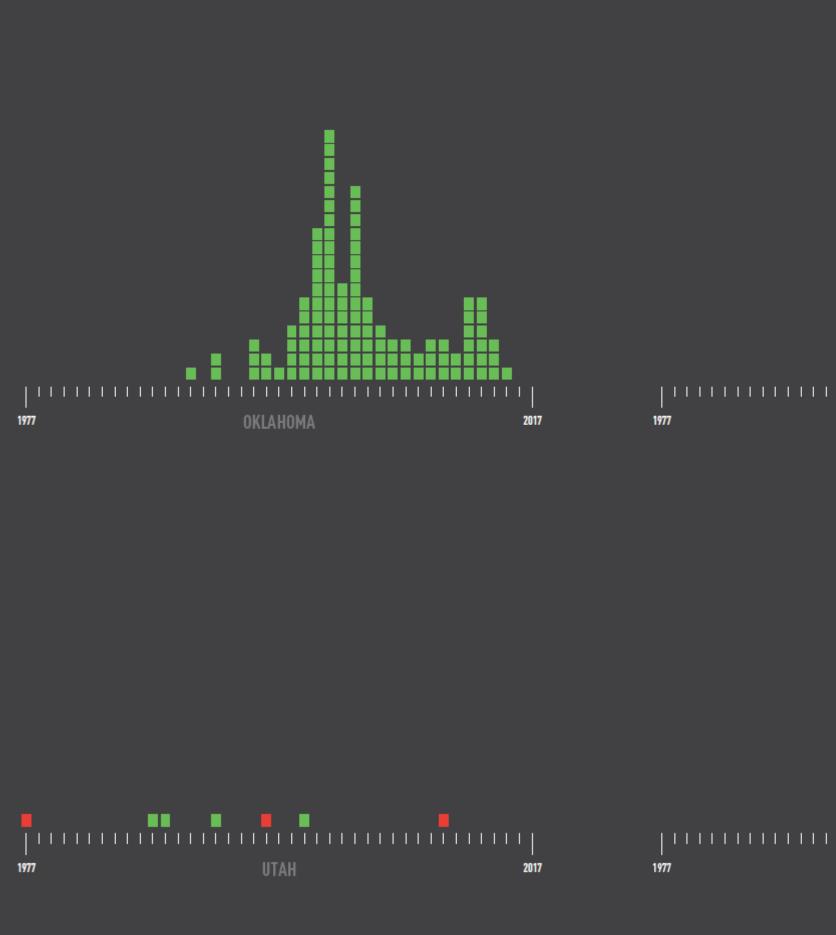








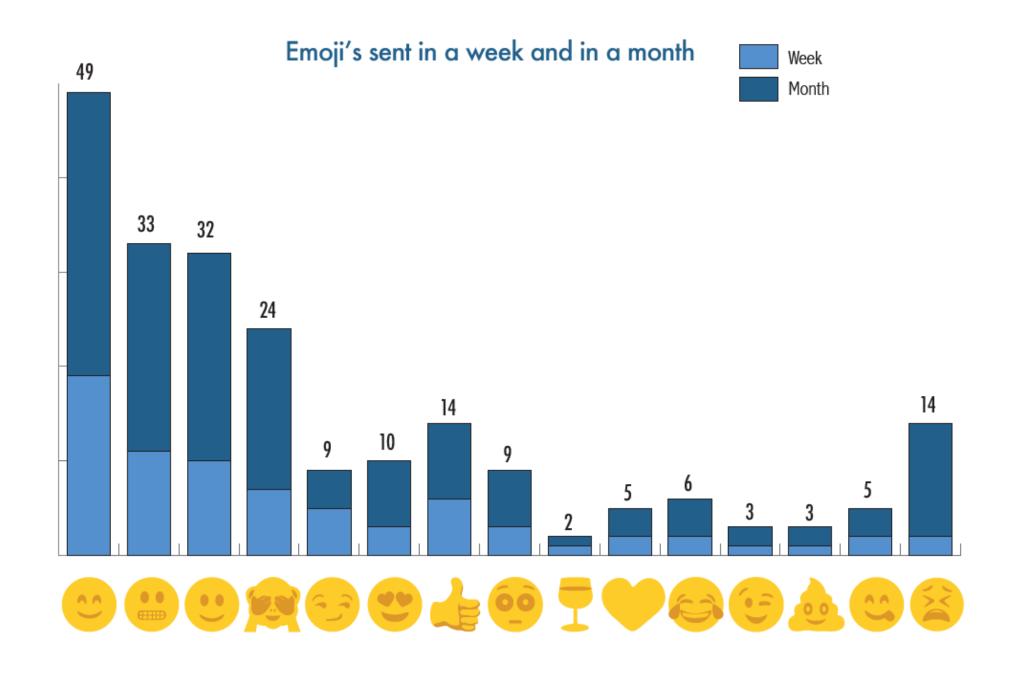


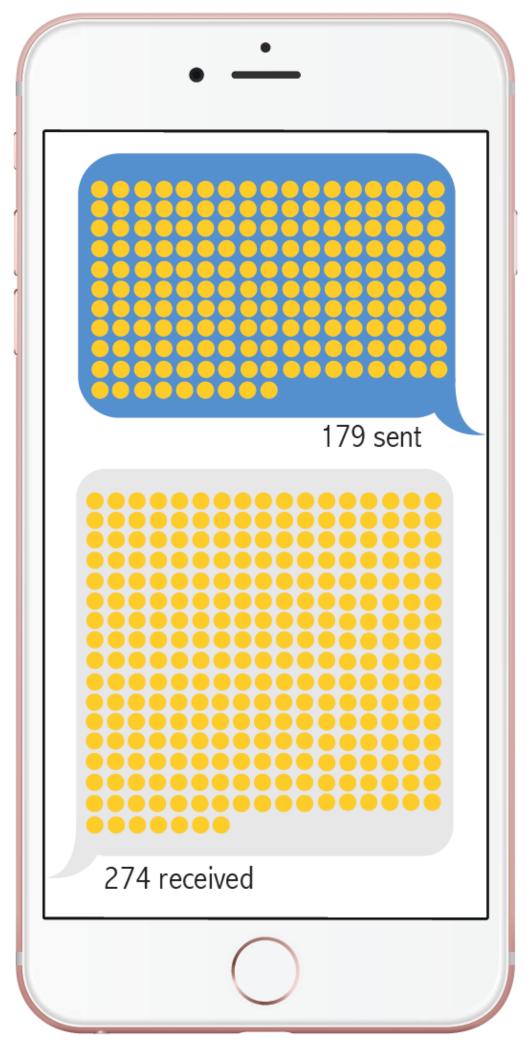


NEW HAMPSHIRE

Emoji's used in a week and a month

Over the course of the month, I tracked the amount of emoji's I sent and the how many I received from other people and the frequency of the type of emoji I sent to people. A large bulk of the emoji's I recieved were from one person. Emoji's express the emotions we feel as well as our reationships with others. From this I learned that I use way too many emojis.





VisCom



Our highly competitive program in southeastern Ohio draws talented students from around the globe to take their visual communication talents to the highest level. We're all about storytelling in the most compelling way, whether it be through information design (interactive and publication), photojournalism, or commercial photography.

seniors // 71

commercial photography	12
photojournalism	29
publication design	19
multimedia	11

juniors // 67

commercial photography	18
photojournalism	20
publication design	21
multimedia	8

270

total number of undergraduate VisCom students

freshmen // 73

commercial photography	7
photojournalism	37
publication design	16
multimedia	12

sophomores // 59

commercial photography	20
photojournalism	18
publication design	10
multimedia	







Commercial Photography



Commercial photography students have the opportunity to work in the studio and on location to create images that showcase fashion, still life, portraiture and architecture. Different camera formats are explored.







Photojournalism



The photojournalism sequence focuses on photographing people and places within the community, with an eye toward a documentary style of storytelling. Students learn the power of still and video images.









Publication Design



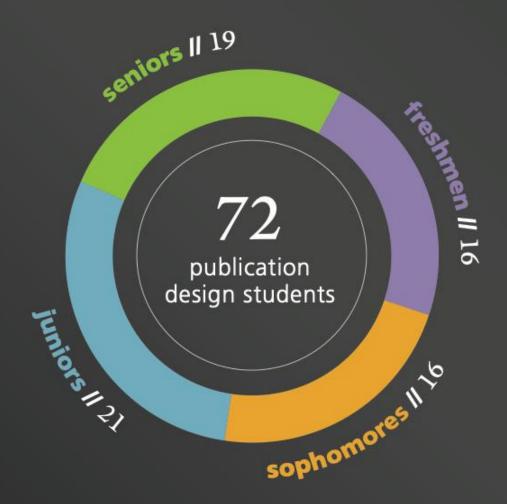








Students learn how to create infographics, maps, illustrations and layouts for feature and news presentations that educate, inform and enlighten readers through strong visual storytelling and clear communication.



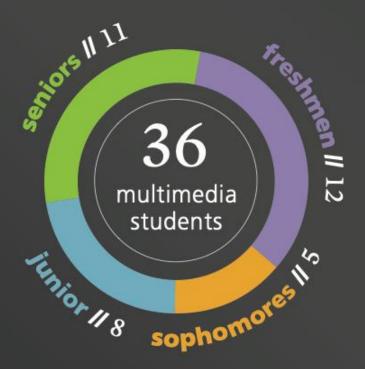






Multimedia

Students learn how to integrate audio, video, still images and illustrations for the web and mobile devices. Information architecture and user experience design are key components explored to tell stories in a digital medium.









VisCom

OHIO UNIVERSITY





BY THE NUMBERS

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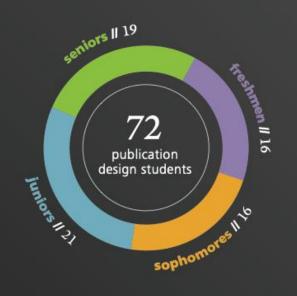
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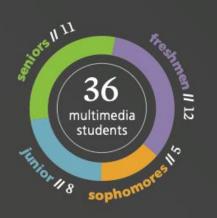
sophomores // 59

commercial photography	20
photojournalism	18
publication design	16
multimedia	5





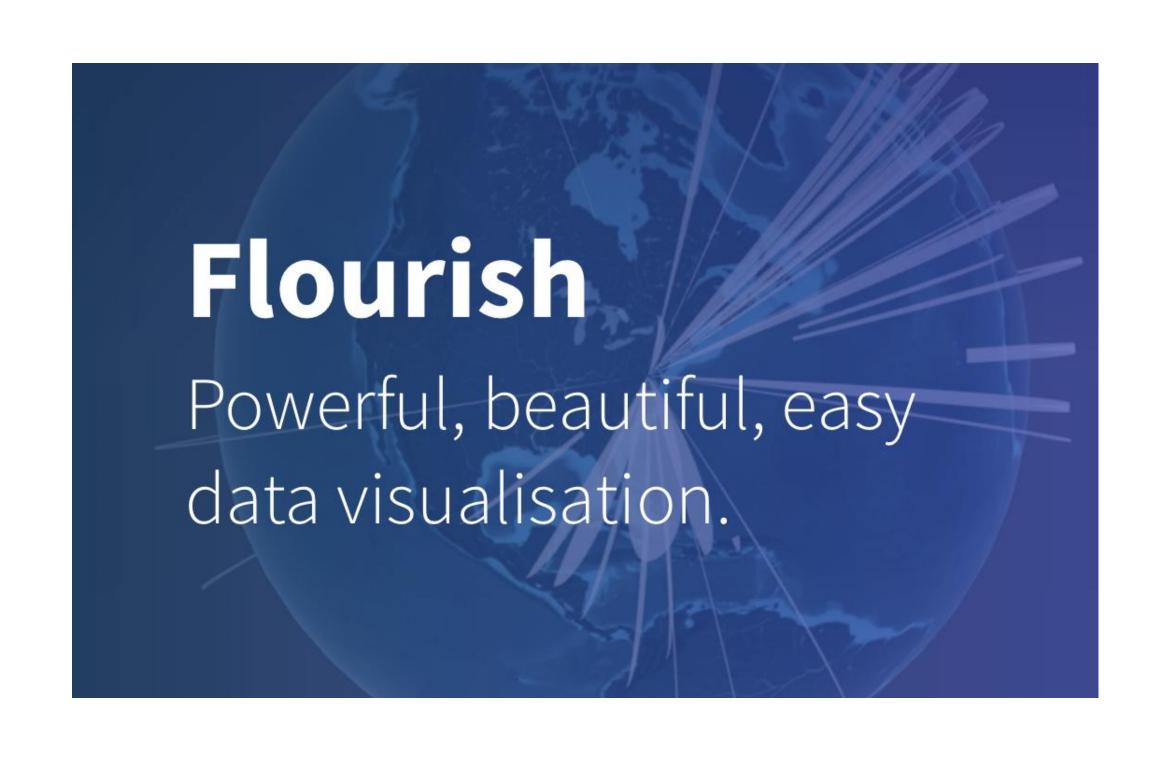




Software











Hi John Grimwade

All projects and data are public

You have a Public acccount, so all your projects and data are publicly visible. To keep them private, you will need to upgrade. Start a free trial

Visualisations













Stories



A story is an animated interactive presentation to guide an audience through one or more visualisations

• Create a story







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Visualisations







Global glyphosate use

5 minutes ago

Stories



A story is an animated interactive presentation to guide an audience through one or more visualisations

Create a story





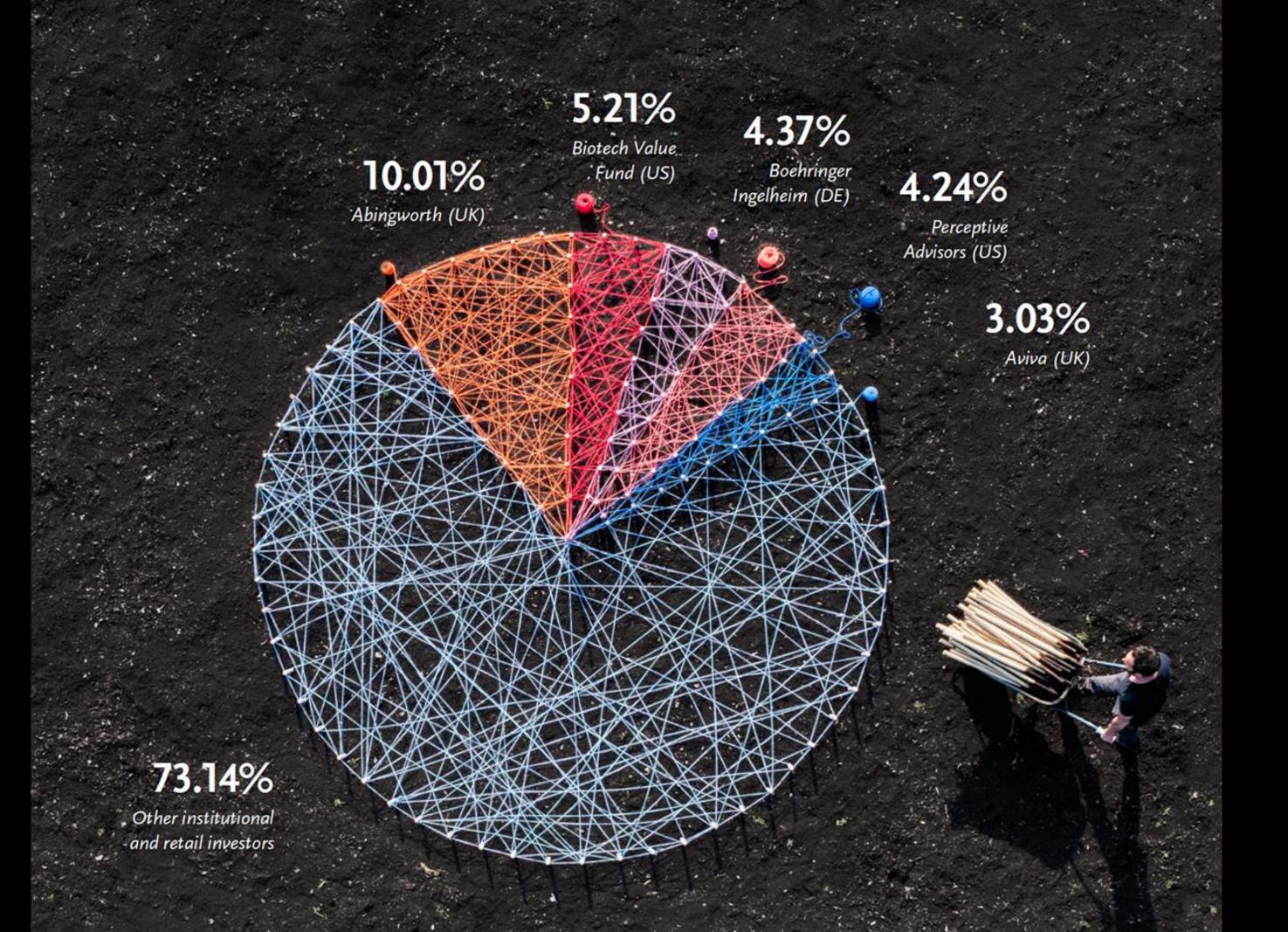
No software

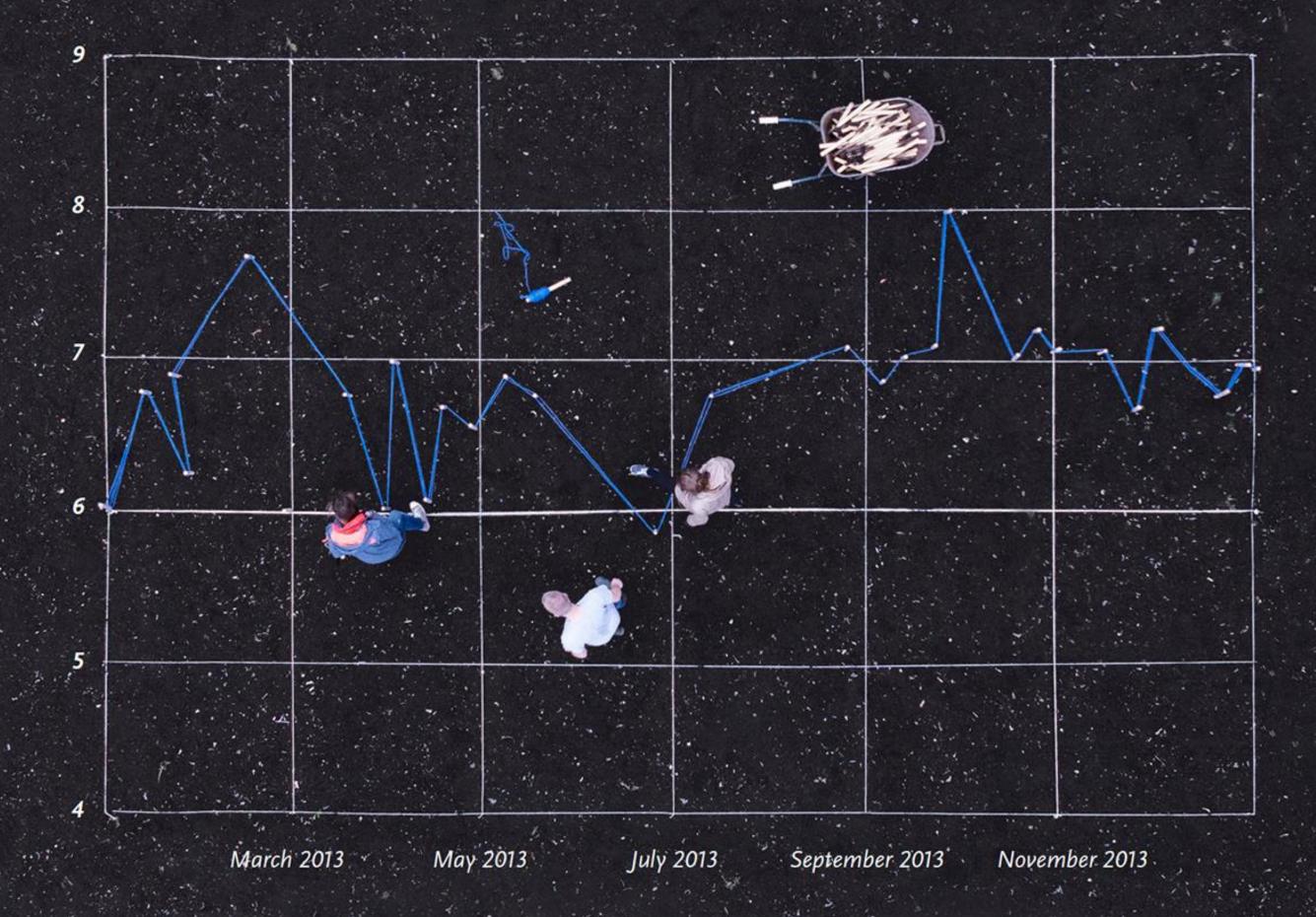


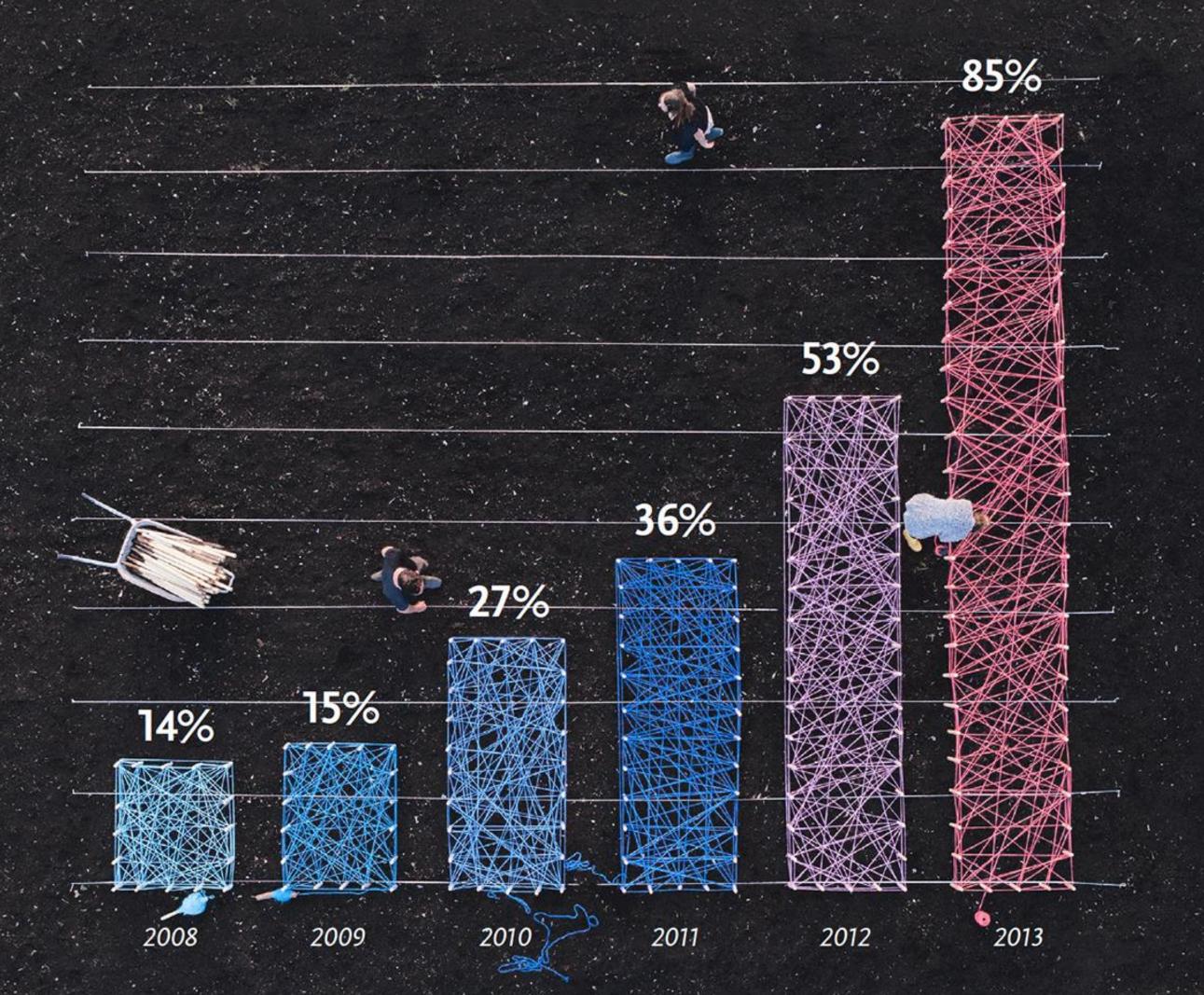












From chaos to order





