PEOPLE IN CRISIS: HOW CAN DATA HELP?



@MIRKOLORENZ

JOURNALIST/INNOVATION MANAGER @DW

TRAINER FOR DATA-DRIVEN JOURNALISM

DEUTSCHE WELLE INNOVATION TEAM DATAWRAPPER FOUNDER/MANAGER DATADRIVENJOURNALISM.NET DATA JOURNALISM HANDBOOK



Our Mission:

to make data more accessible for everyone

to help people discover and tell their own data stories

ALL STORIES

YDS

PROJECT NEWS

DDJ TIPS AND TRICKS

DATAVIZ

MEET THE EXPERTS

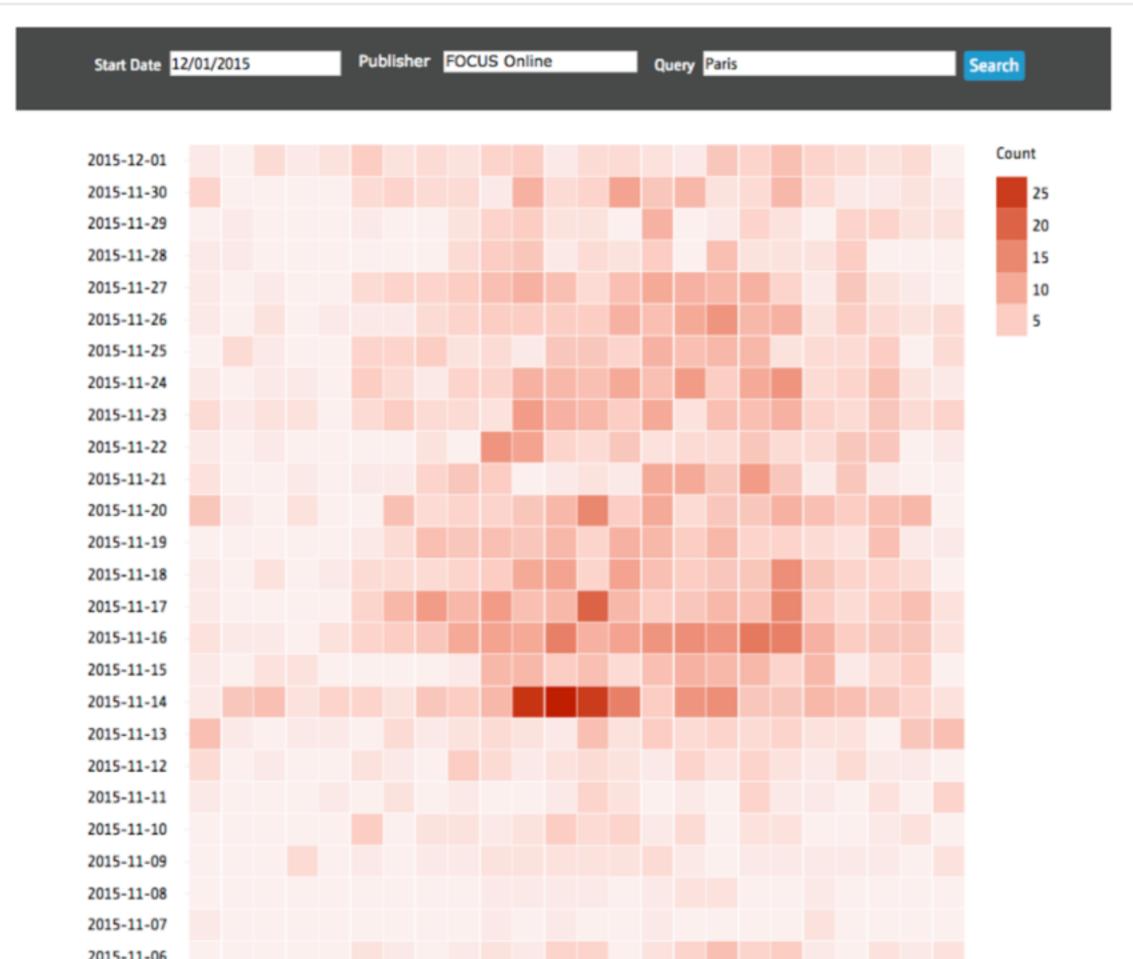




FIND US ON TWITTER:

Tweets by @YDS_EU

Varra Data Ctaria

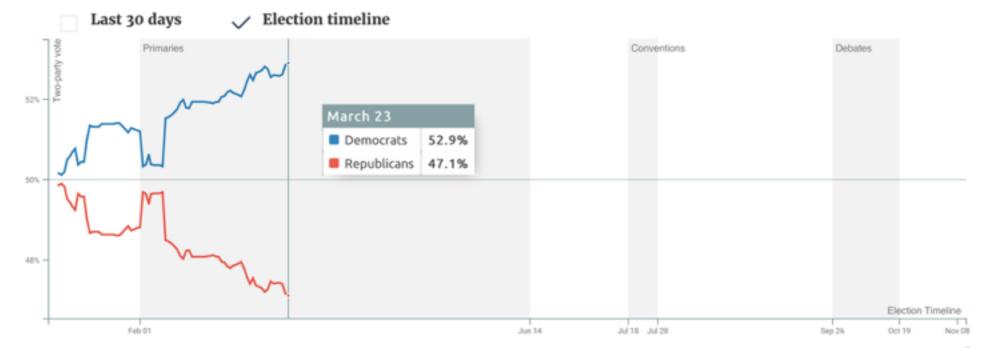


Prediction: Democrats will win

As of March 23 the Democrats are predicted to win the presidential election of 2016. The latest data says that the Democrats will win with 52.9 of the vote while the Republicans get 47.1 percent.

Latest prediction (March 23, 2016; updated daily

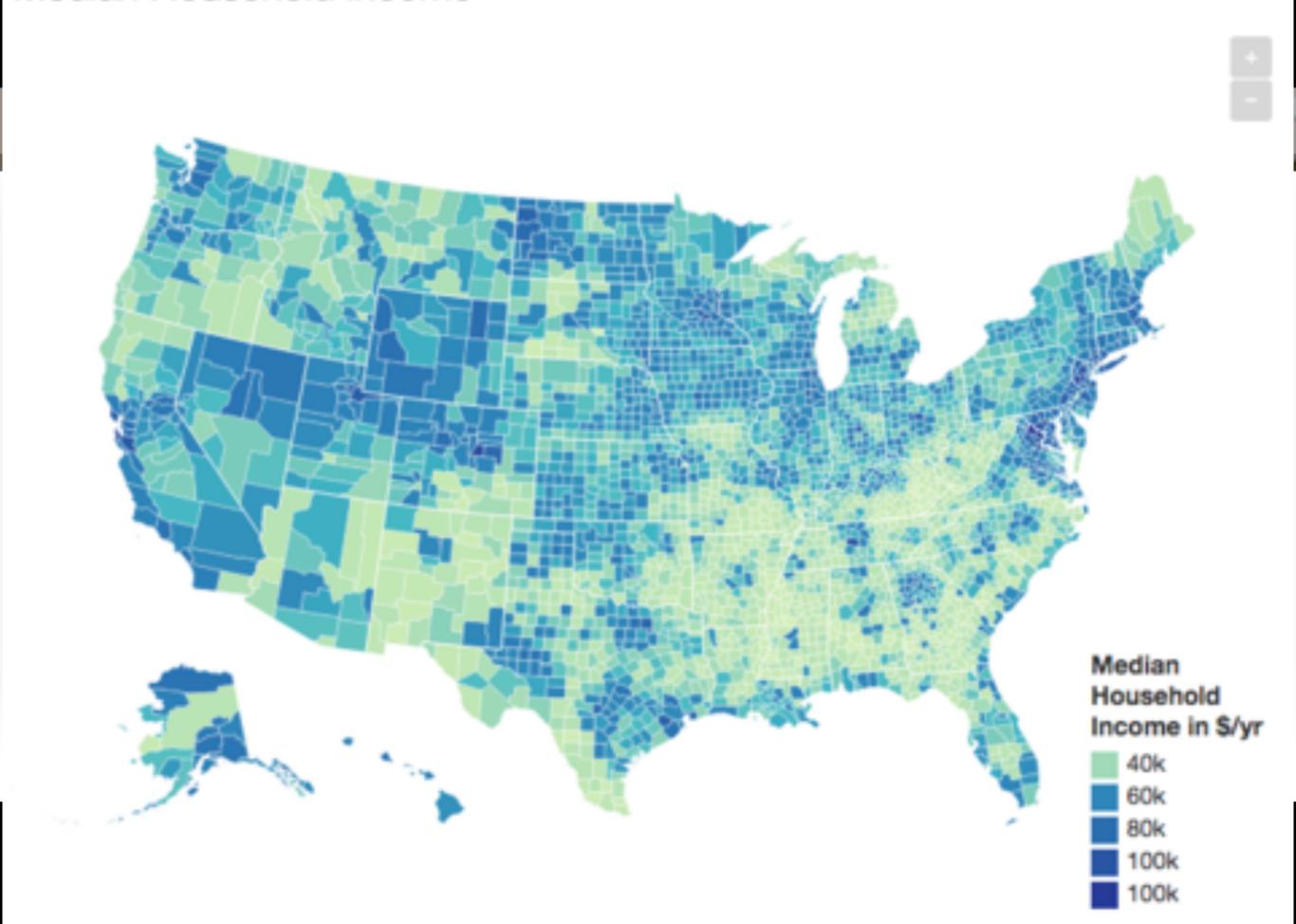
Democrats: 52.9% Republicans: 47.1%



Embedding and sharing is free for everyone. The content is dynamic, i.e. numbers and text change in accordance with the data. If you are curious about controversial developments, check out the PollyVote Blog



Median Household Income



Why use data in the newsroom?

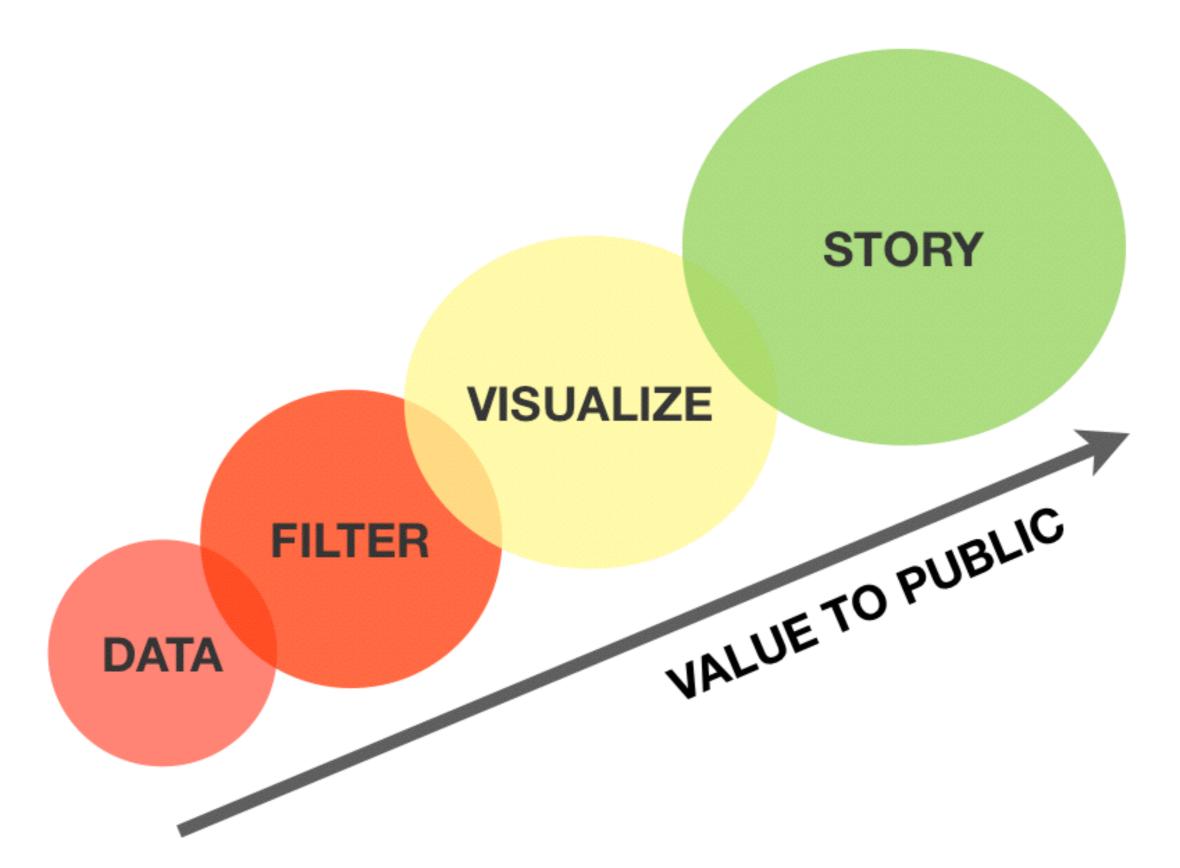
"....we will have to increasingly rely on "data" to feed our stories, to the point that "data-driven reporting" becomes second nature to journalists."

Zach Beauvais, Journalism Needs Data in the 21st Century, ReadWriteWeb, August 5, 2009

http://www.readwriteweb.com/archives/journalism_needs_data_in_21st_century.php

```
"pclass", "survived", "name", "sex", "age", "sibsp", "parch", "ticket", "fare", "cabin", "embarked", "boat", "body", "home.dest",
1,"1st",1,"Allen, Miss. Elisabeth Walton", "female",29,0,0,"24160",211.337494,"B5", "Southampton", "2",NA,"St Louis, MO"
2,"1st",1,"Allison, Master. Hudson Trevor","male",0.916700006,1,2,"113781",151.550003,"C22 C26","Southampton","11",NA,"Montreal, PQ / Ch
3,"1st",0,"Allison, Miss. Helen Loraine","female",2,1,2,"113781",151.550003,"C22 C26","Southampton","",NA,"Montreal, PQ / Chesterville, ON"
4,"1st",0,"Allison, Mr. Hudson Joshua Crei","male",30,1,2,"113781",151.550003,"C22 C26","Southampton","",135,"Montreal, PQ / Chesterville, C
5,"1st",0,"Allison, Mrs. Hudson J C (Bessi","female",25,1,2,"113781",151.550003,"C22 C26","Southampton","",NA,"Montreal, PQ / Chesterville, C
6,"1st",1,"Anderson, Mr. Harry","male",48,0,0,"19952",26.5499992,"E12","Southampton","3",NA,"New York, NY"
7,"1st",1,"Andrews, Miss. Kornelia Theodos","female",63,1,0,"13502",77.9582977,"D7","Southampton","10",NA,"Hudson, NY"
8,"1st",0,"Andrews, Mr. Thomas Jr", "male",39,0,0,"112050",0,"A36", "Southampton", "",NA, "Belfast, NI"
9,"1st",1,"Appleton, Mrs. Edward Dale (Cha", "female",53,2,0,"11769",51.4791985,"C101", "Southampton", "D", NA, "Bayside, Queens, NY"
10,"1st",0,"Artagaveytia, Mr. Ramon","male",71,0,0,"PC 17609",49.5042,"","Cherbourg","",22,"Montevideo, Uruguay"
11,"1st",0,"Astor, Col. John Jacob","male",47,1,0,"PC 17757",227.524994,"C62 C64","Cherbourg","",124,"New York, NY"
12,"1st",1,"Astor, Mrs. John Jacob (Madelei", "female",18,1,0,"PC 17757",227.524994,"C62 C64", "Cherbourg", "4",NA,"New York, NY"
13,"1st",1,"Aubart, Mme. Leontine Pauline", "female",24,0,0,"PC 17477",69.3000031,"B35", "Cherbourg", "9",NA, "Paris, France"
14,"1st",1,"Barber, Miss. Ellen \""Nellie\""","female",26,0,0,"19877",78.8499985,"","Southampton","6",NA,""
15,"1st",1,"Barkworth, Mr. Algernon Henry W","male",80,0,0,"27042",30,"A23","Southampton","B",NA,"Hessle, Yorks"
16,"1st",0,"Baumann, Mr. John D","male",NA,0,0,"PC 17318",25.9249992,"","Southampton","",NA,"New York, NY"
17,"1st",0,"Baxter, Mr. Quic
                                                                                                                        al, PQ"
18,"1st",1,"Baxter, Mrs. Jar
                                  IN MOST NEWSROOMS THIS WOULD BE
19,"1st",1,"Bazzani, Miss. /
                                              CONSIDERED JUST BROKEN
20,"1st",0,"Beattle, Mr. Tho
21,"1st",1,"Beckwith, Mr. R
22,"1st",1,"Beckwith, Mrs. Kichard Leonard , Temale ,47,1,1, 11751 ,52.5541952, D55 ,
23,"1st",1,"Behr, Mr. Karl Howell","male",26,0,0,"111369",30,"C148","Cherbourg","5",NA,"New York, NY"
24,"1st",1,"Bidois, Miss. Rosalie", "female", 42,0,0,"PC 17757", 227.524994,"", "Cherbourg", "4", NA,""
25,"1st",1,"Bird, Miss. Ellen", "female",29,0,0,"PC 17483",221.779205,"C97", "Southampton", "8",NA,""
26,"1st",0,"Birnbaum, Mr. Jakob","male",25,0,0,"13905",26,"","Cherbourg","",148,"San Francisco, CA"
27,"1st",1,"Bishop, Mr. Dickinson H","male",25,1,0,"11967",91.0792007,"B49","Cherbourg","7",NA,"Dowagiac, MI"
28,"1st",1,"Bishop, Mrs. Dickinson H (Helen","female",19,1,0,"11967",91.0792007,"B49","Cherbourg","7",NA,"Dowagiac, MI"
29,"1st",1,"Bissette, Miss. Amelia","female",35,0,0,"PC 17760",135.633301,"C99","Southampton","8",NA,""
30,"1st",1,"Bjornstrom-Steffansson, Mr. Mau","male",28,0,0,"110564",26.5499992,"C52","Southampton","D",NA,"Stockholm, Sweden / Washing
31,"1st",0,"Blackwell, Mr. Stephen Weart","male",45,0,0,"113784",35.5,"T","Southampton","",NA,"Trenton, NJ"
32,"1st",1,"Blank, Mr. Henry","male",40,0,0,"112277",31,"A31","Cherbourg","7",NA,"Glen Ridge, NJ"
33,"1st",1,"Bonnell, Miss. Caroline", "female", 30,0,0,"36928",164.866699, "C7", "Southampton", "8", NA, "Youngstown, OH"
34,"1st",1,"Bonnell, Miss. Elizabeth","female",58,0,0,"113783",26.5499992,"C103","Southampton","8",NA,"Birkdale, England Cleveland, Oh"
35,"1st",0,"Borebank, Mr. John James","male",42,0,0,"110489",26.5499992,"D22","Southampton","",NA,"London / Winnipeg, MB"
36,"1st",1,"Bowen, Miss. Grace Scott","female",45,0,0,"PC 17608",262.375,"","Cherbourg","4",NA,"Cooperstown, NY"
37,"1st",1,"Bowerman, Miss. Elsie Edith","female",22,0,1,"113505",55,"E33","Southampton","6",NA,"St Leonards-on-Sea, England Ohi"
38,"1st",1,"Bradley, Mr. George (\""George Ar","male",NA,0,0,"111427",26.5499992,"","Southampton","9",NA,"Los Angeles, CA"
39,"1st",0,"Brady, Mr. John Bertram","male",41,0,0,"113054",30.5,"A21","Southampton","",NA,"Pomeroy, WA"
40,"1st",0,"Brandeis, Mr. Emil","male",48,0,0,"PC 17591",50.4958,"B10","Cherbourg","",208,"Omaha, NE"
41,"1st",0,"Brewe, Dr. Arthur Jackson","male",NA,0,0,"112379",39.5999985,"","Cherbourg","",NA,"Philadelphia, PA"
42,"1st",1,"Brown, Mrs. James Joseph (Marga","female",44,0,0,"PC 17610",27,7208004,"B4","Cherbourg","6",NA,"Denver, CO"
```

- Data-driven journalism is a process
- Tasks are to collect, clean, visualize and report



NEWS + TECHNOLOGY + CREATIVITY + SKILLS

DATA ANALYSIS, CODING & DEEP STORIES AT THE PACE OF THE NEWSROOM

Perspective on data

"The sexy job in the next ten years will be statisticians. People think I'm joking, but who would've guessed that computer engineers would've been the sexy job of the 1990s? The ability to take data—to be able to understand it, to process it, to extract value from it, to visualize it, to communicate it—that's going to be a hugely important skill."

Hal Varian, Google Chief Economist, McKinsey Quarterly, Jan.
 2009

The old newsroom/developer relationship



Developer

Journalist

Quelle: Alan McLean, NYT//Amsterdam, 2010

The new newsroom/developer relationship



Developer/Journalist



Simple comparison
Clarity
Proximity

START WITH THIS QUESTION: COMPARED TO WHAT?

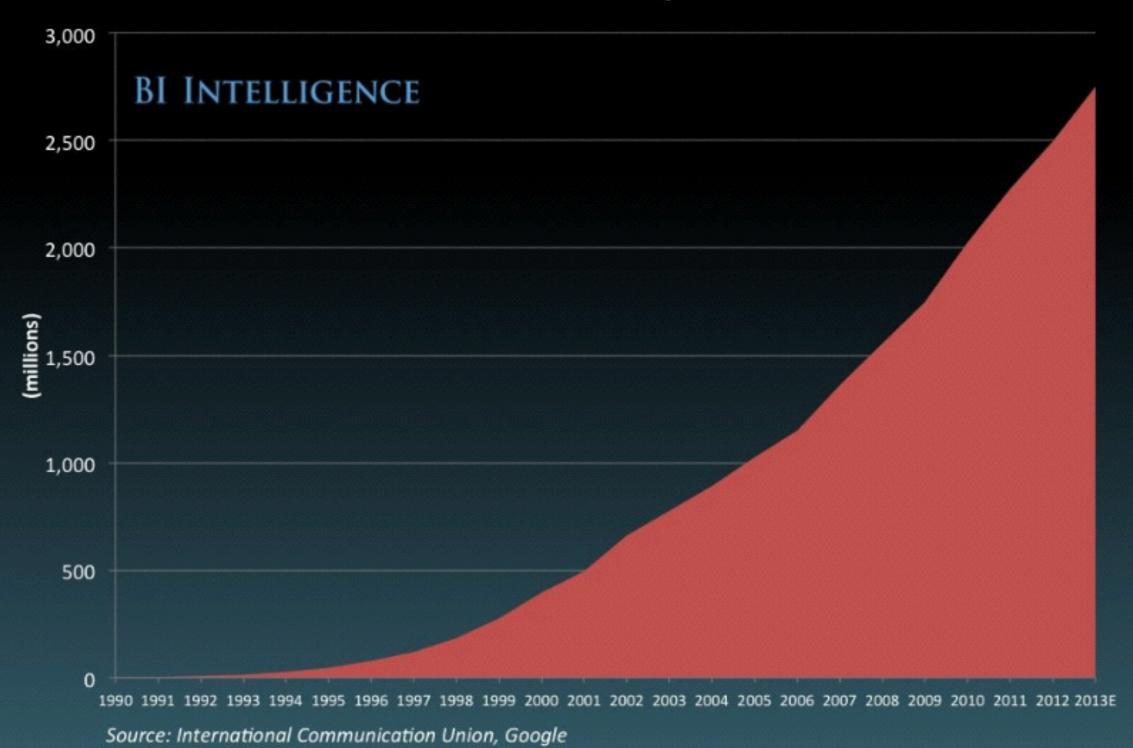


Edward Tufte: To be truthful and revealing, data graphics must bear on the question at the heart of quantitative thinking: "Compared to what?, from: The Visual Display of Quantitative Information

EXAMPLE

Nearly 3 billion people online

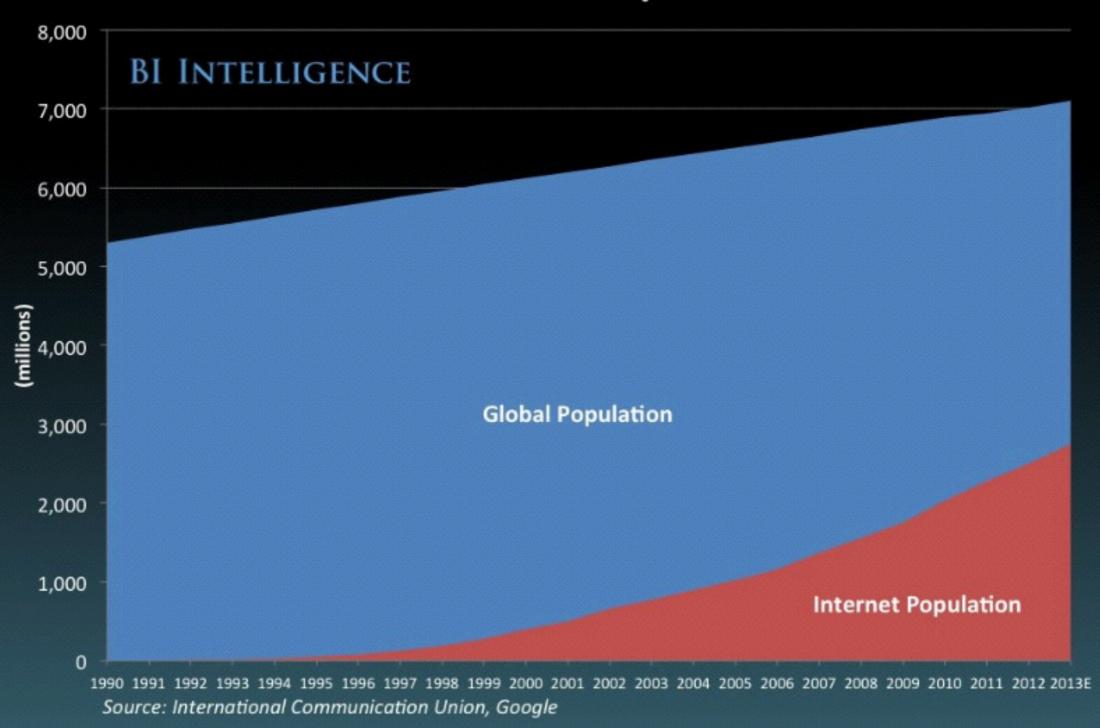
Global Internet Population





About half left to go!

Global Internet Population



BUSINESS INSIDER

Inspiration

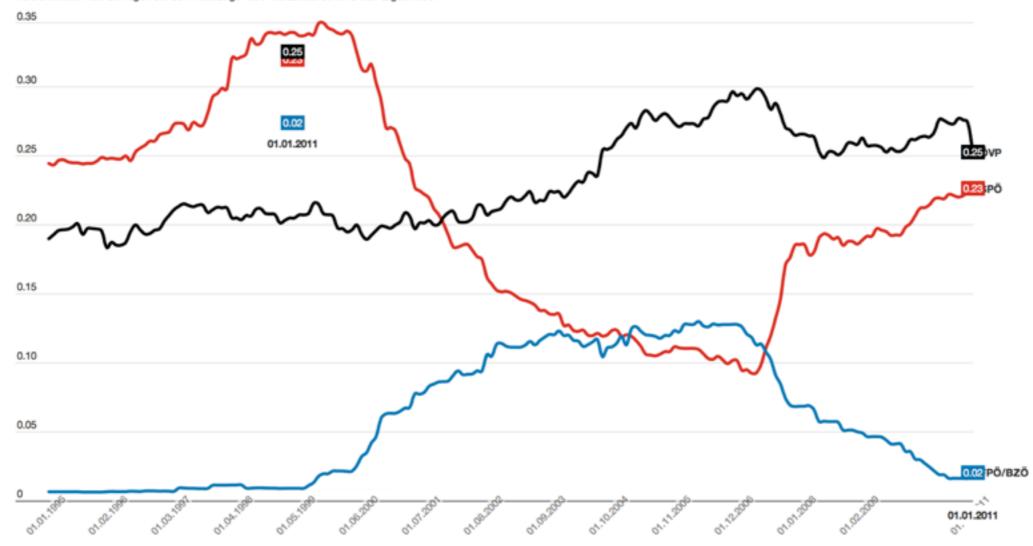
Simple comparison
Clarity
Proximity

Vergleich über lange Zeitreihe

· Je länger der Zeitraum, desto klarer wird das Muster.

Manager in staatlichen Unternehmen nach Parteifarbe

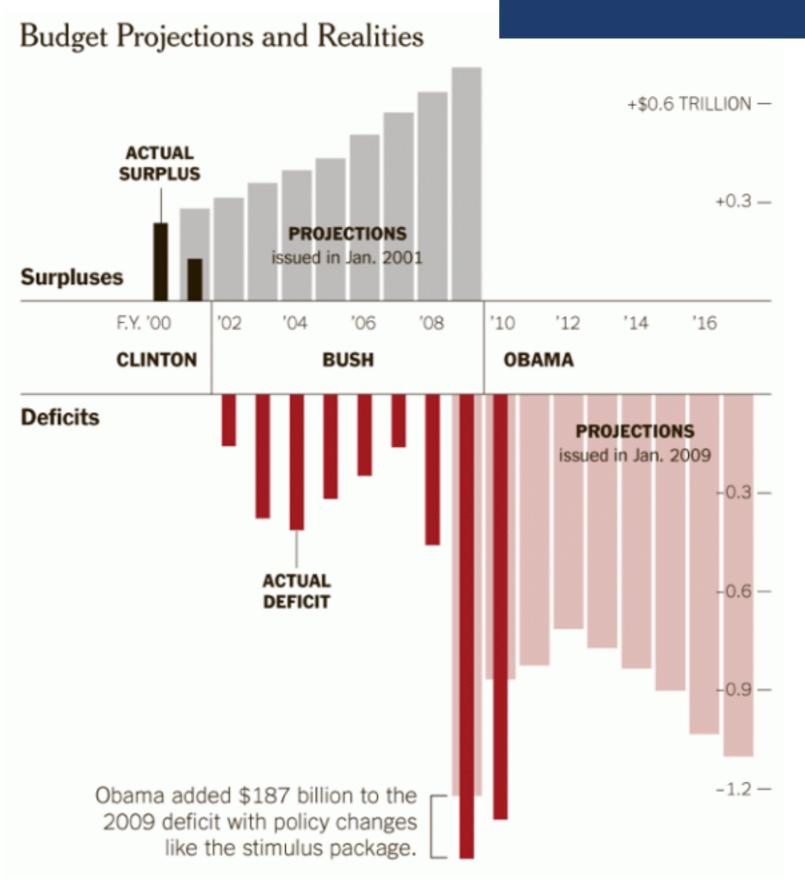
Die Grafik zeigt den Anteil an Managern von staatlichen und staatsnahen Unternehmen, die Parteien zuzurechnen sind oder waren. Als Manager gilt, wer Mitglied des Vorstands, der Geschäftsführung oder des Aufsichtsrates war. Bewegen Sie den Mauszeiger über die Zeitachse für Detail-Ergebnisse.



How the deficit got so big

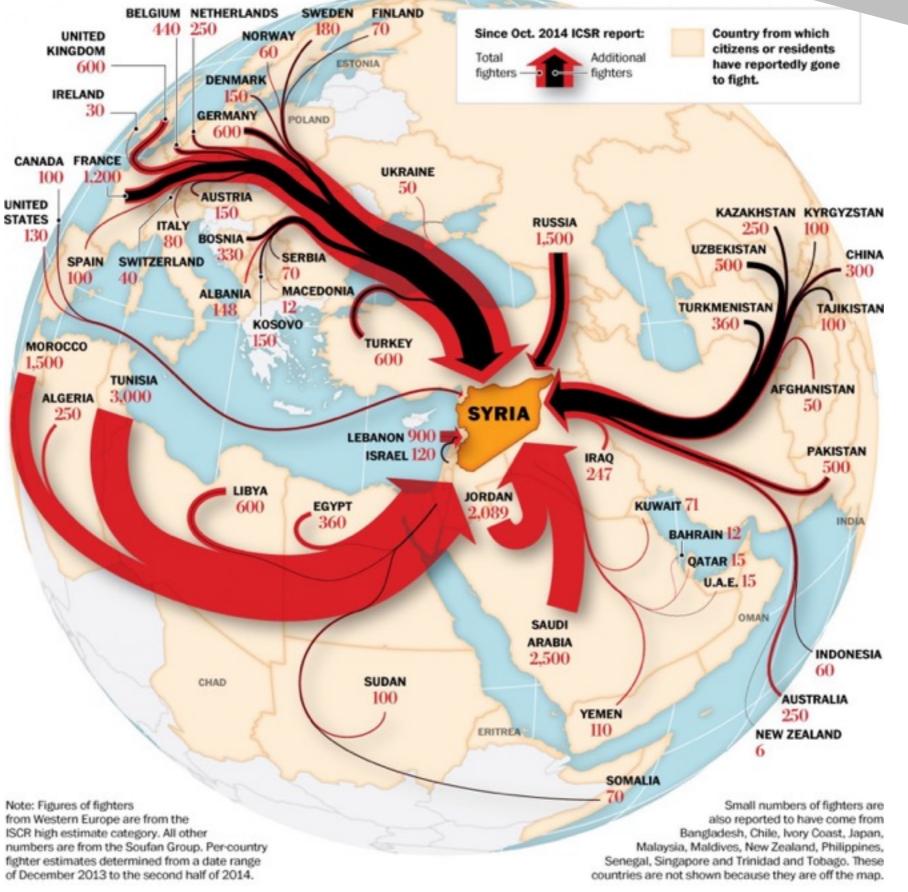
July 26, 2011 to Statistical Visualization * Share on Twitter * Commer

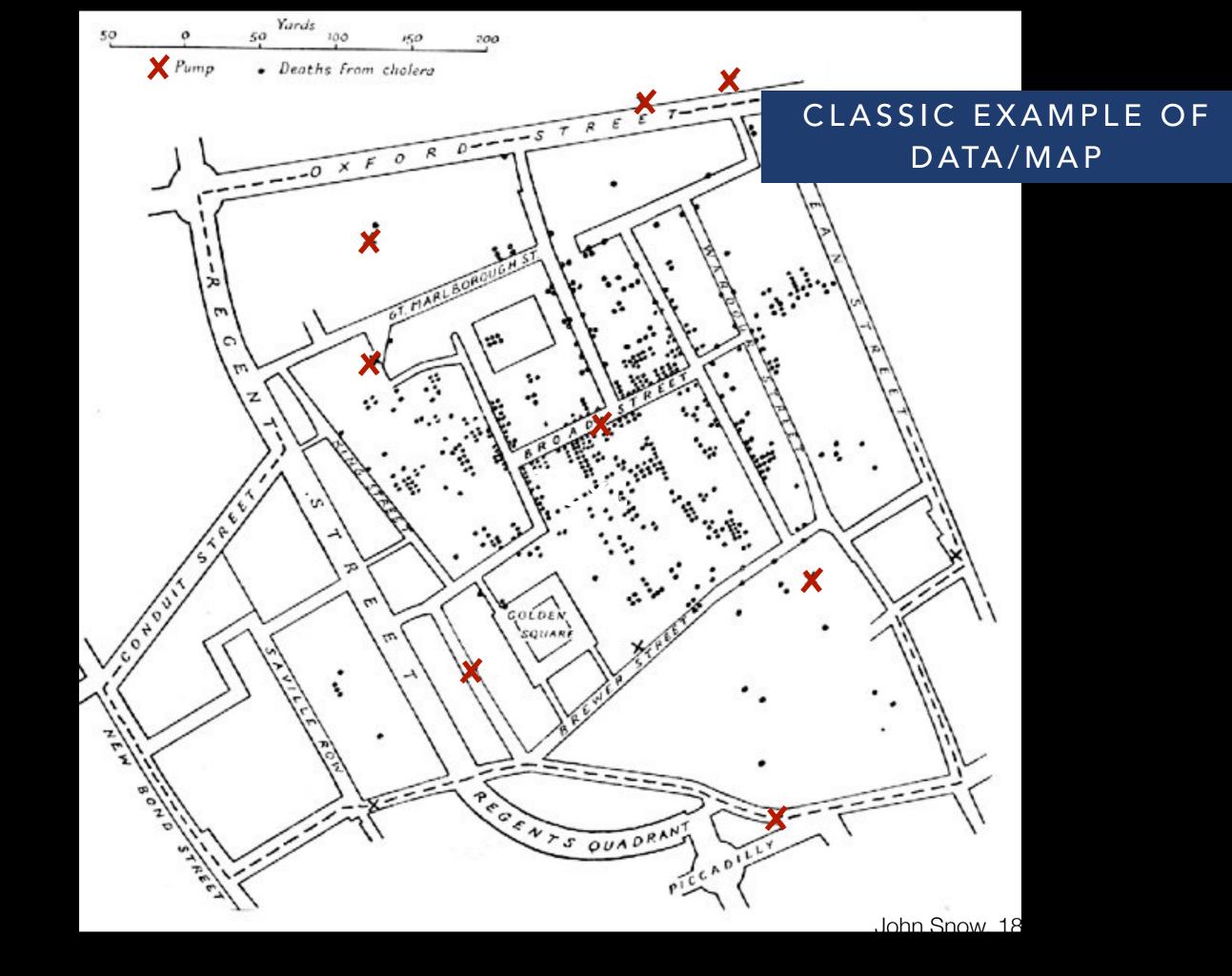
SIMPLE BAR, BIG STORY

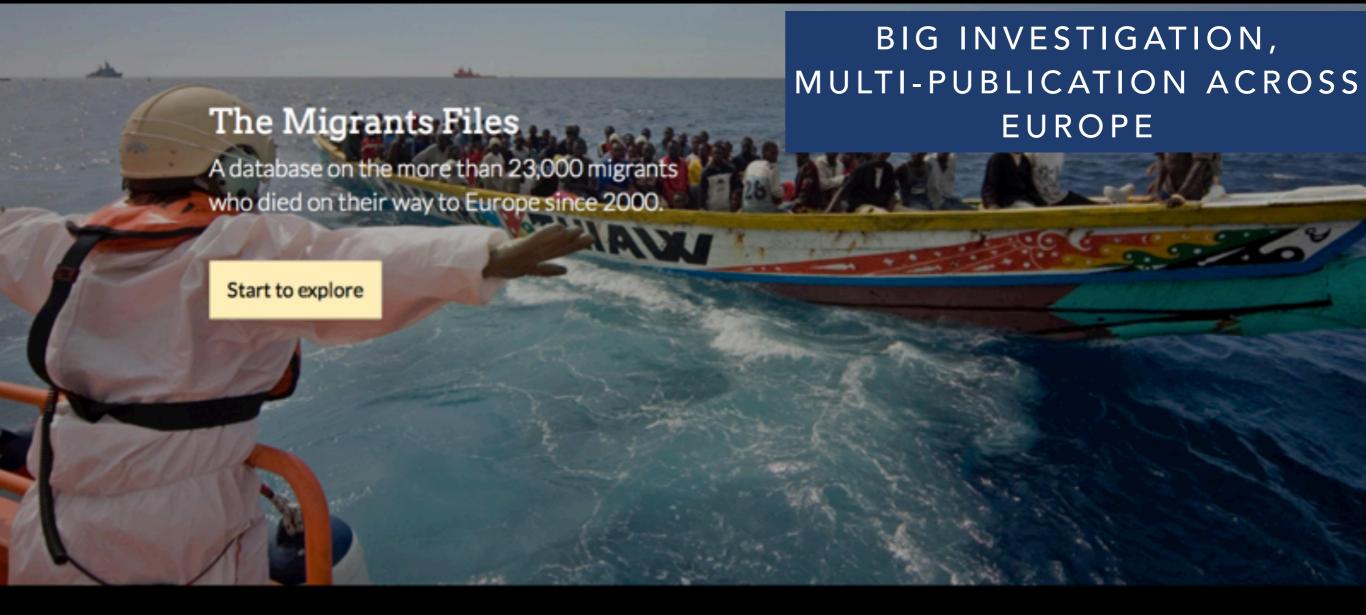


Quelle: New York Times

EXAMPLE







The project is an excellent example of journalists intervening to put a largely neglected issue on the political agenda, and providing decision-makers and the public with the evidence they need to take action to stop these tens of thousands of deaths at Europe's borders. This is data journalism at its best. We need more projects like this.

MIDDLE EAST



More than 200,000 people

have been killed in the four-and-a-half-year Syrian civil war.

Why It Takes Two Years for Syrian Refugees to Enter the U.S.

By HAEYOUN PARK and LARRY BUCHANAN NOV. 20, 2015

Syrians must pass many layers of security checks before being admitted to the United States, a process that can take two years or longer. In most cases, the refugees do not enter the United States until the very end. They are also subject to an additional layer of checks beyond those for refugees of other nationalities; after the Paris attacks, the House voted to further tighten screening procedures. Since 2011, the United States has admitted fewer than 2,000 Syrian refugees.

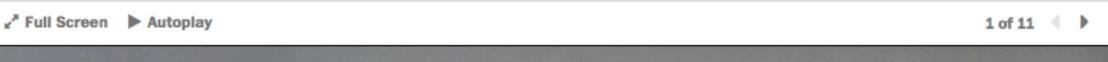
- 1. **Registration** with the United Nations.
- 2. **Interview** with the United Nations.
- 3. **Refugee status** granted by the United Nations.
- 4. **Referral** for resettlement in the United States.

The United Nations decides if the person fits the definition of a refugee and whether to refer the person to a country for resettlement. Only the most vulnerable are referred, accounting for fewer than 1 percent of

Investigations

Homes for the taking







BIG DATA SMALL DATA RELEVANT DATA

Proximity What's in this for you, me, us?

Crisis Religion Terror Refuges

Migrants Jobs

Integration

Future

Suche

Q

1

Politik Gesellschaft Wirtschaft Kultur + Wissen Digital Studium + Karriere Entdecken Sport Spiele mehr +

ZEITmagazin

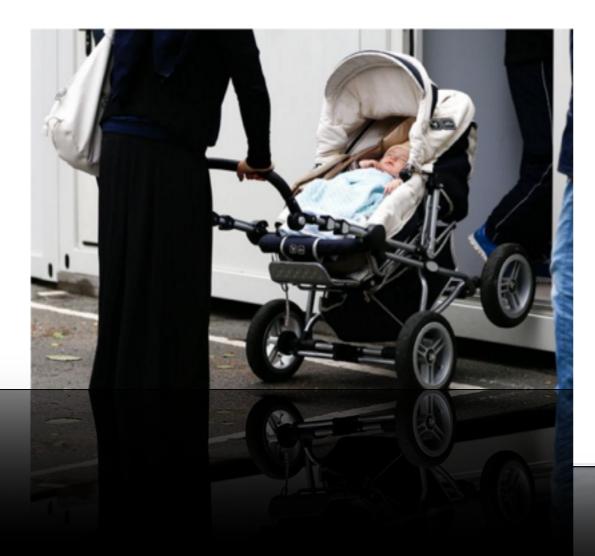
Flüchtlinge

Ein Teller Wärme

Beim Welcome Dinner laden Hamburger wildfremde Flüchtling nach Hause zum Abendessen ein. Und hören abenteuerliche G

Von Roland Kirbach

12. Juli 2015 / DIE ZEIT Nr. 26/2015, 25. Juni 2015 / 49 Kommentare



Bonner laden

Neuankömmlinge zum Essen ein

01/02



Foto: Privat

Jana Guttzeit (2. von links) lud die syrische Familie Diab zu sich nach Hause zum Essen ein. Inzwischen gab es auch schon einen Gegenbesuch.

23.12.2015 BONN. Mariya Ilcheva hat eine Facebook-Seite ins Leben gerufen, über die Bonner Neuankömmlinge in der Stadt zum Essen

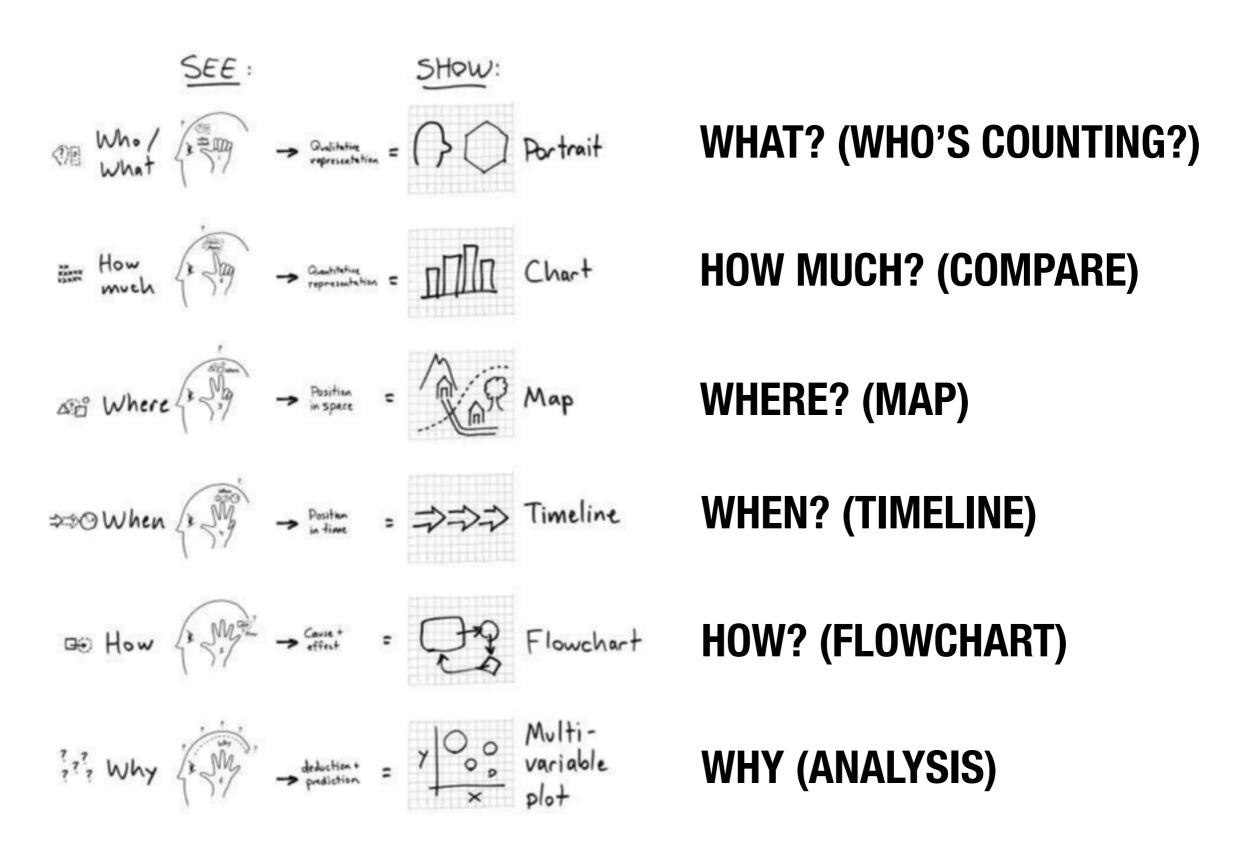
23.12.2015 BONN. Mariya Ilcheva hat eine Facebook-Seite ins Leben gerufen, über die Bonner Neuankömmlinge in der Stadt zum Essen

auch schon einen Gegenbesuch.

Jana Guttzeit (2. von links) lud die syrische Familie Diab zu sich nach Hause zum Essen ein. Inzwischen gab es



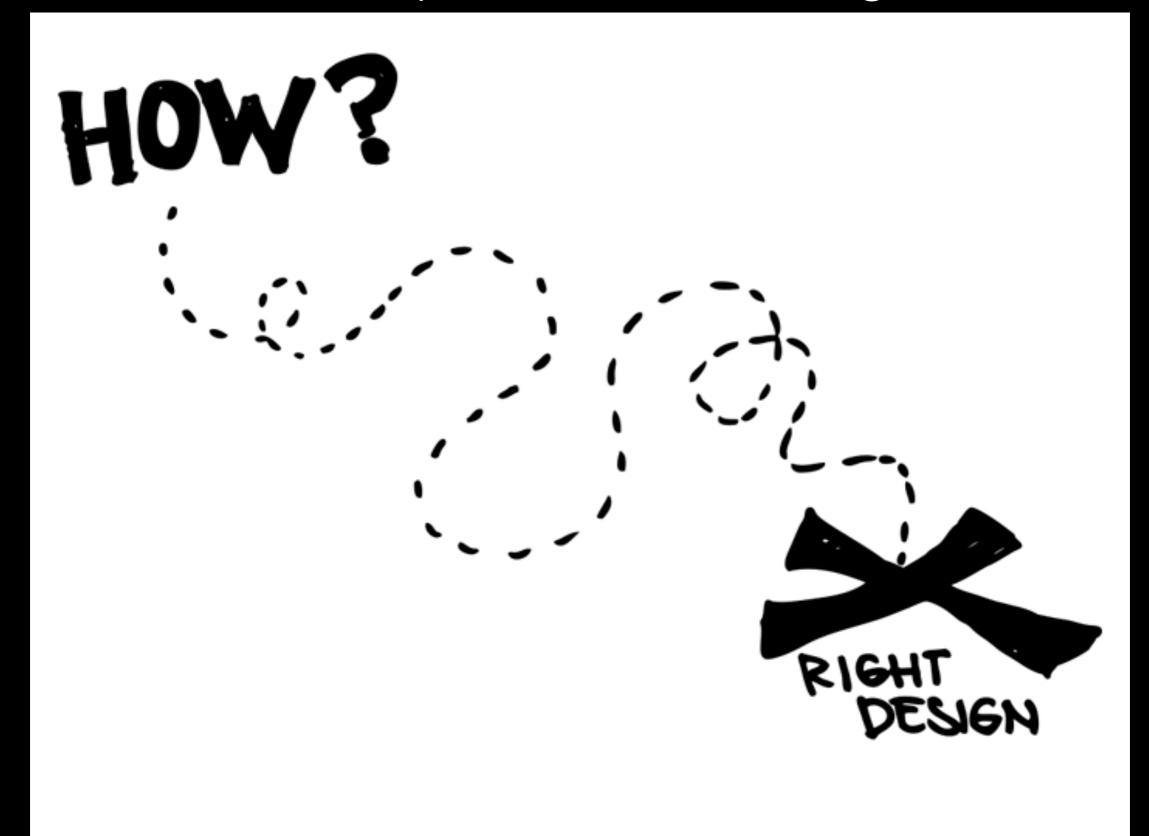
GO THROUGH THE KEY QUESTIONS - FIVE W & ONE H





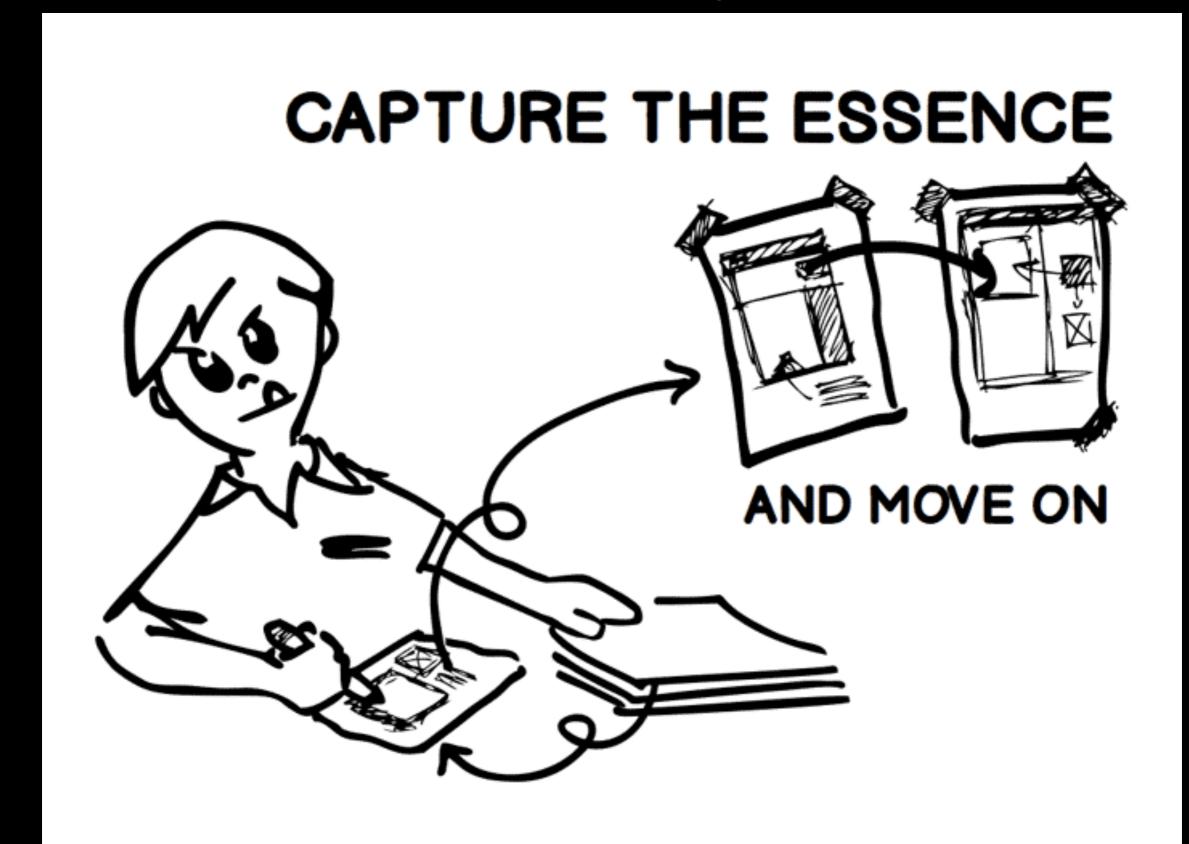
Journalism Saved!

From idea to completion: Not a straight line.



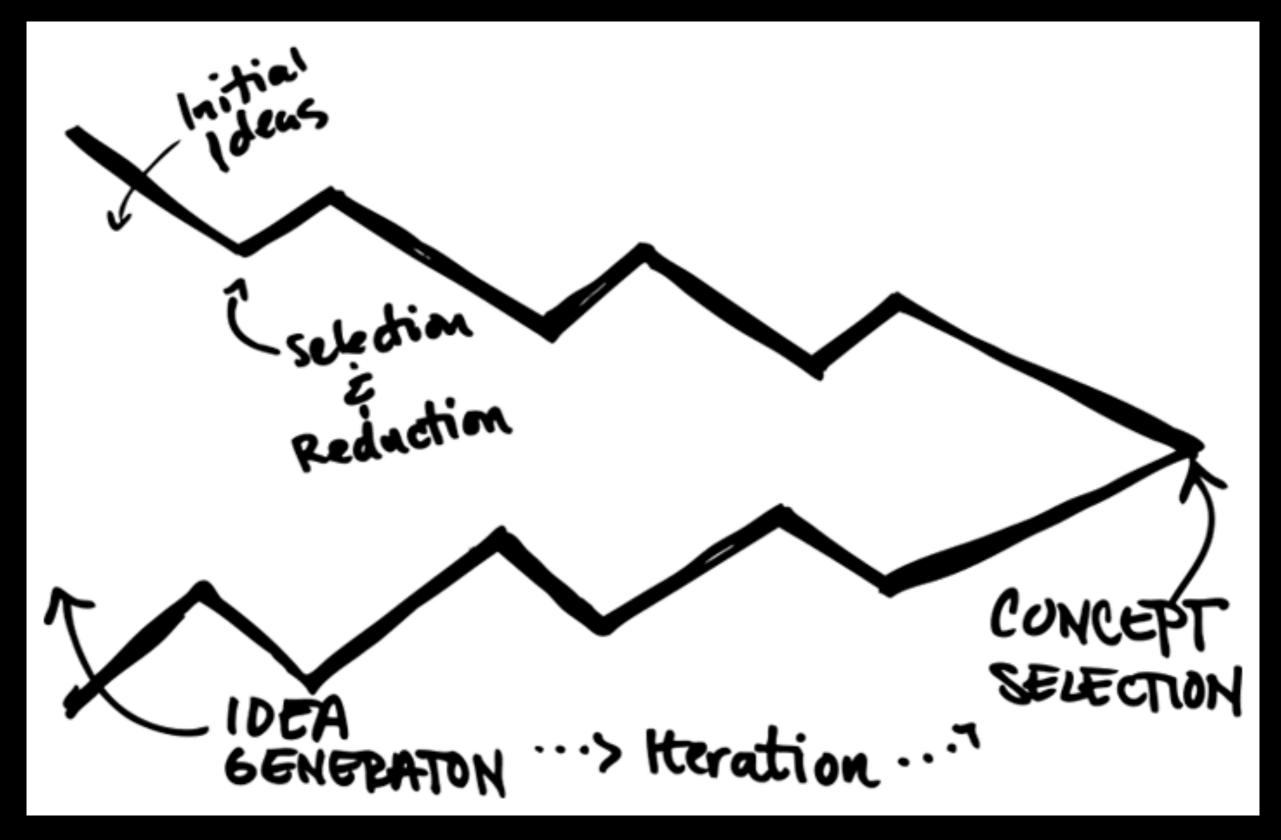
http://konigi.com/book/sketch-book/why-we-sketch

Geschichten skizzieren - Komplexität entwirren



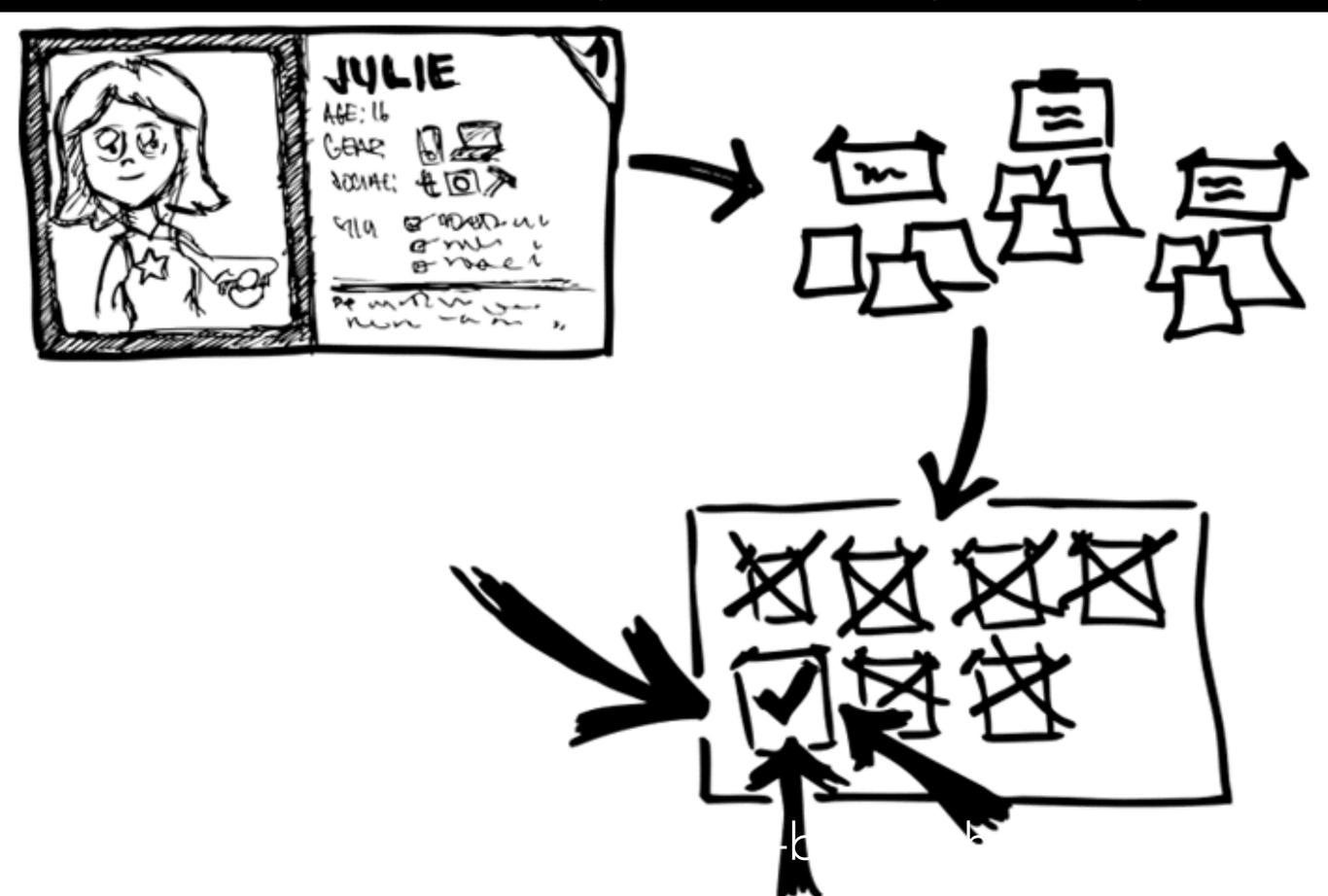
http://konigi.com/book/sketch-book/why-we-sketch

Iterieren, formen, verdichten.

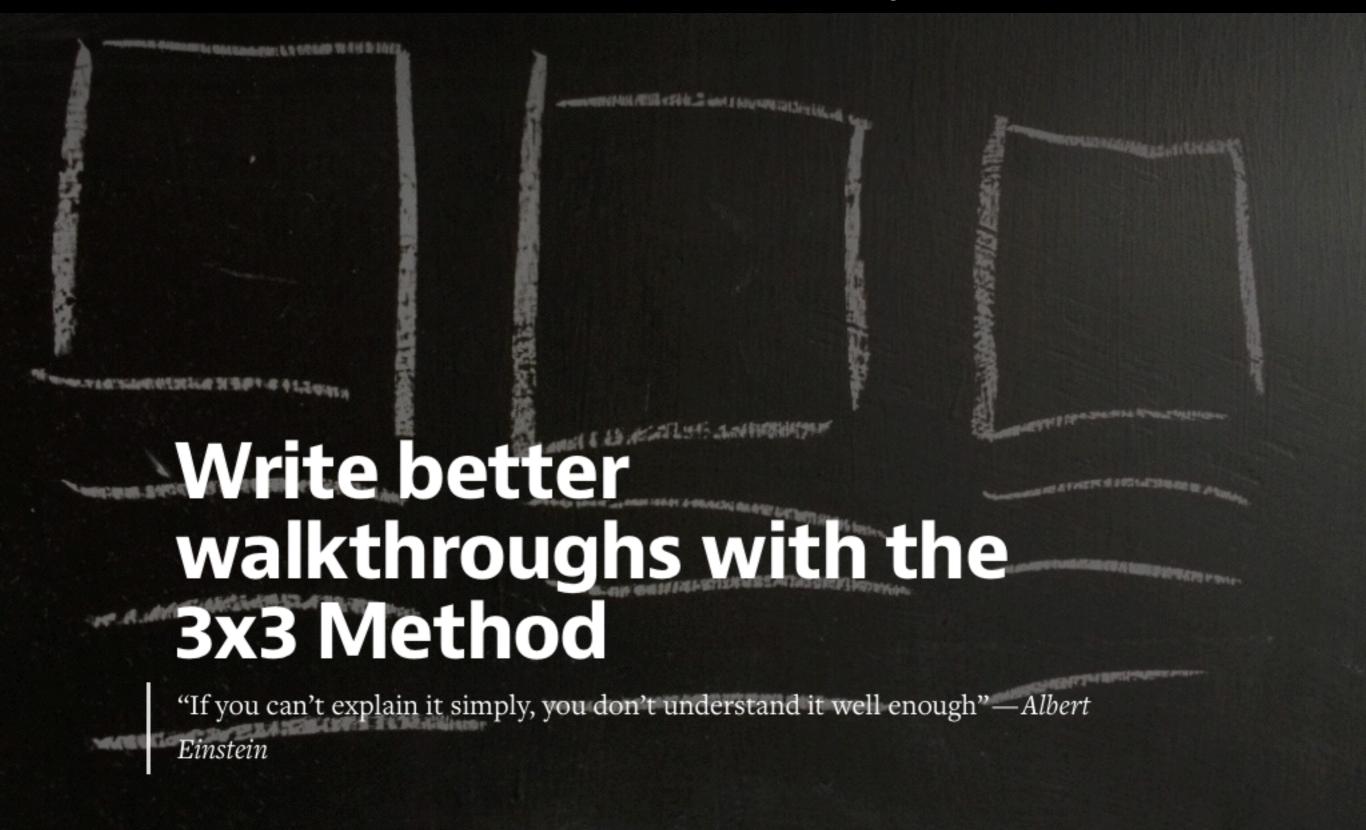


http://konigi.com/book/sketch-book/why-we-sketch

Persönlich machen: Protagonist als Spiegel/Bezugspunkt.

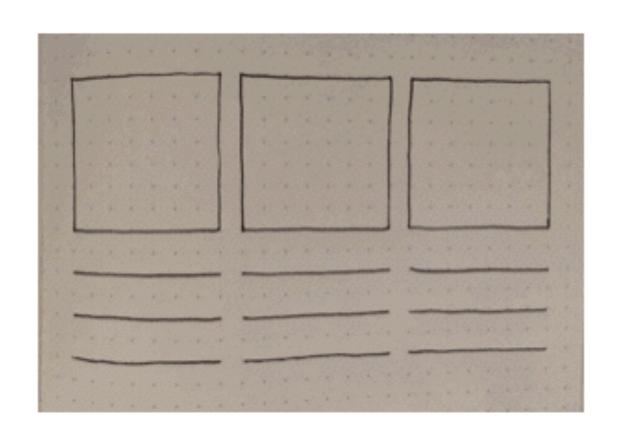


Use the 3x3 rule for better story structure.



https://medium.com/@tomcavill/3x3-d6202ef7d077

WHAT? WHY? HOW?



- What—what does your product do?
- Why—what's the benefit? (makes for a good slogan).
- How—a differentiator. Perhaps an innovative piece of functionality or a cost indicator.

https://medium.com/@tomcavill/3x3-d6202ef7d077

WHAT	WHY	HOW

TOOLS

UN DATA WORLDBANK DATA EUROSTAT KNOEMA ZANRAN.COM

GOOGLE SHEETS BLOCKSPRING HTTP:// TABULA.TECHNOLOGY

Datawrapper

Create charts and maps in just four steps. This tool reduces the time you need to create visualizations from hours to minutes.

+ Create a Chart

My Charts



Easy to use

Upload your data, choose a chart or map and publish - done. There are options to use this tool for free and paid services for single users, teams

Customize

This tool is build for customization to your needs. Layout and visualizations can adapt based on your style guide. Additional features

Full control

Datawrapper is open source software. The source code is on Github. Which means: More options for you. Install yourself or work with

ad...adella...a bala interretia

1 Upload Data

Check & Describe

Visualize

Publish & Embed

It all starts with your data...

Select your data (including header row/column) in Excel or OpenOffice and paste it in the text field on the right. You can also upload a CSV file from your computer. Learn more about how to upload your data.

If you just want to try Datawrapper, here's a list of some example datasets you can use:

US Trade with United Kingdom

86 32331 23978 87 35202 28651 88 35054 35810 89 34073 38756 90 35531 41343 91 31117 37257 92 32952 37391			
86 32331 23978 87 35202 28651 88 35054 35810 89 34073 38756 90 35531 41343 91 31117 37257 92 32952 37391	lm	ports Exp	oorts
87 35202 28651 88 35054 35810 89 34073 38756 90 35531 41343 91 31117 37257 92 32952 37391	1985	31965	24123
88 35054 35810 89 34073 38756 90 35531 41343 91 31117 37257 92 32952 37391	1986	32331	23978
89 34073 38756 90 35531 41343 91 31117 37257 92 32952 37391	1987	35202	28651
90 35531 41343 91 31117 37257 92 32952 37391	1988	35054	35810
91 31117 37257 92 32952 37391	1989	34073	38756
92 32952 37391	1990	35531	41343
	1991	31117	37257
02 24551 42026	1992	32952	37391
93 34331 42030	1993	34551	42036

1 .. or upload a CSV file

Upload and continue >

Datawrapper is an open source project. Supported by ABZV. Developed by Journalism++ Cologne. Blog - Quick Start - Tutorial - Terms - Imprint - Privacy Policy - support@datawrapper.de

Back to top version 1.9.2

Upload Data 🗸

2 Check & Describe

Visualize

Publish & Embed

Make sure the data looks right

Please make sure that Datawrapper interprets your data correctly. In the table number columns should be shown in blue, dates in green and text in black.

First row as label

Where did you get the data?

Who published the data in the first place?

US Census Bureau

If possible, please provide a link the source data

http://www.census.gov/foreign-trade/bi

< Back

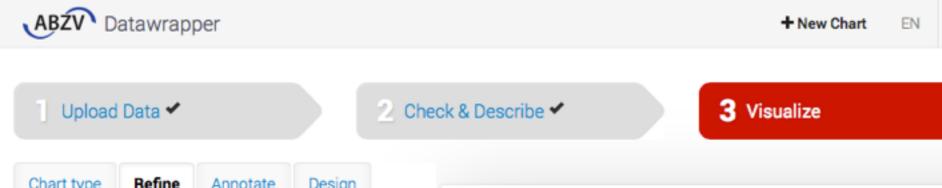
Revert

Proceed >

Transpose data table

Customize column format

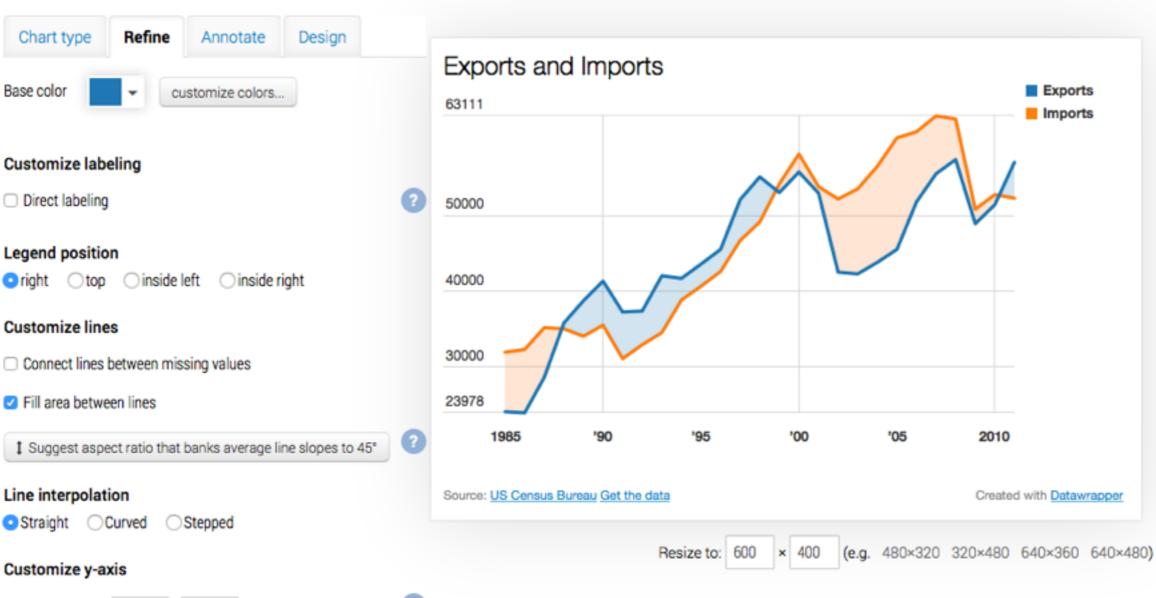
t,	Α	В	С
1	⊙ X.1	Imports	
2	1985	31,965	
3	1986	32,331	
4	1987	35,202	
5	1988	35,054	
6	1989	34,073	
7	1990	35,531	
8	1991	31,117	
9	1992	32,952	
10	1993	34,551	
11	1994	38,838	
12	1995	40,663	
13	1996	42,598	
14	1997	46,702	
15	1998	49,122	
16	1999	54,147	
17	2000	58,082	



Custom range:

min -

max



m.irkolor...gmail.com

My Charts

Publish & Embed



+ New Chart

m.irkolor...gmail.com

My Charts





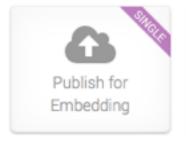
Check & Describe

③ Visualize

✓

4 Publish & Embed

What do you want to do with this chart?











How can I embed my chart?

To publish your charts for embedding, you have to upgrade your account to Datawrapper Single. Read more about why we changed our usage guidelines.

Show in Gallery

You can show some love to Datawrapper by agreeing to show your visualisation in our public gallery. This is absolutely optional.

Yes, show this chart in the gallery

