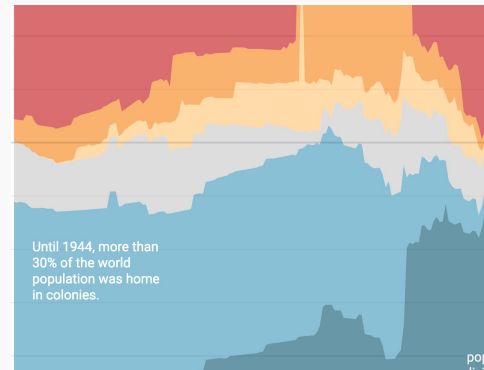
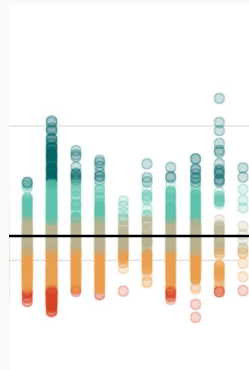
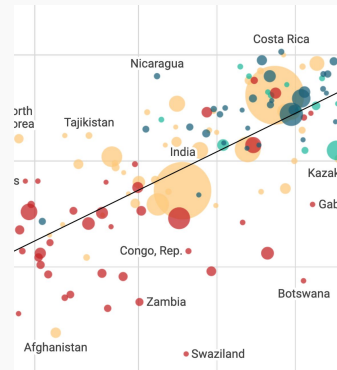
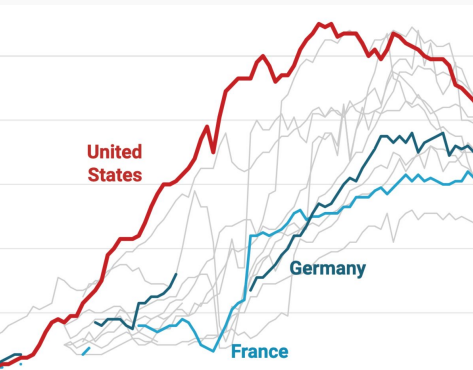


Lisa Charlotte Rost

Über die unterschätzte Rolle von Text in journalistischen Datenvisualisierungen

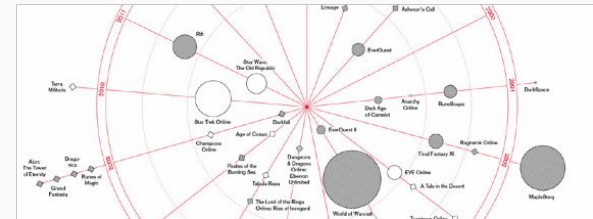
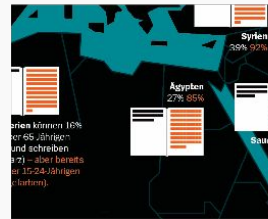
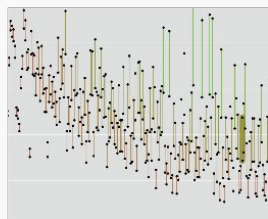
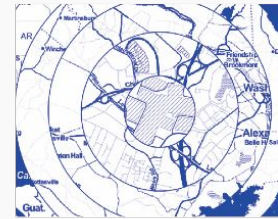
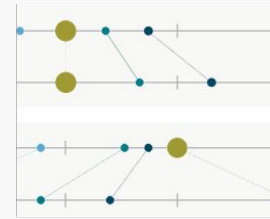
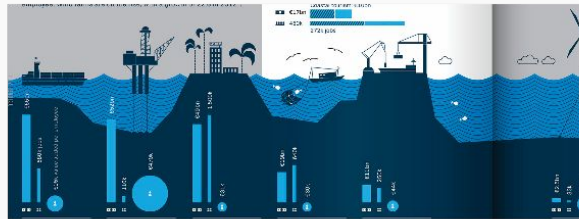
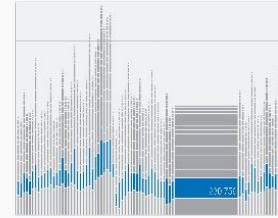
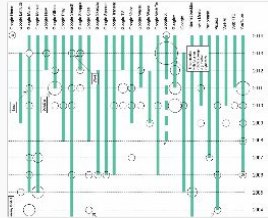
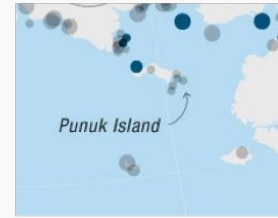
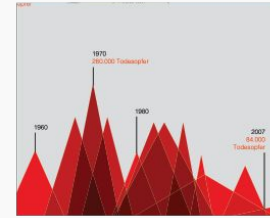
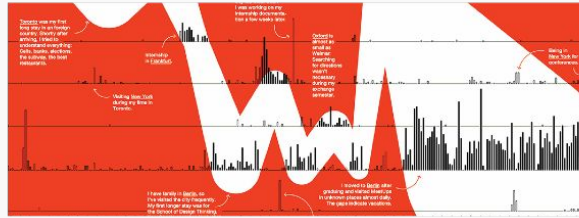
NIAM 2020, Hamburg



Lisa Charlotte Rost

@lisacrost

Bloomberg
ZEIT Online
Tagesspiegel
NPR
SPIEGEL



Lisa Charlotte Rost

@lisacrost

Bloomberg

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NPR

SPIEGEL

jetzt:

Datawrapper <3

The screenshot shows the Datawrapper website interface. At the top, there's a navigation bar with 'Datawrapper' in the center, and links for 'Why Datawrapper?', 'Pricing', 'Examples', 'Resources', and a 'Dashboard' button on the right. Below the navigation, there's a large central area with a dark blue background. On the left, there's a list of countries. In the center, there's a world map with a network of lines connecting various points. Overlaid on this is the large white text: 'Enrich your stories with charts, maps and tables.' Below this text is a green button with a white bar chart icon and the text 'START CREATING'. To the right of the map, there are several data visualizations: a bar chart titled 'Gemiddelde huistegrijs' (Average house price) showing data from 2005 to 2017; a line chart titled 'Evolutie vastgoedprijzen' (Evolution of real estate prices) showing a sharp decline around 2008; and a line chart titled 'Monthly Changes in U.S. Employment (Non-Farm, 2000-2019)' showing fluctuations over time. At the bottom, there's a map showing life expectancy data for 2019.

1 Upload Data

2 Check & Describe

3 Visualize

4 Publish & Embed

How do you want to upload your data?



Copy &
paste
data table



XLS/CSV
upload



Import
Google
Spreadsheet



Link
external
dataset

Paste your copied data here...

Copy & paste your data

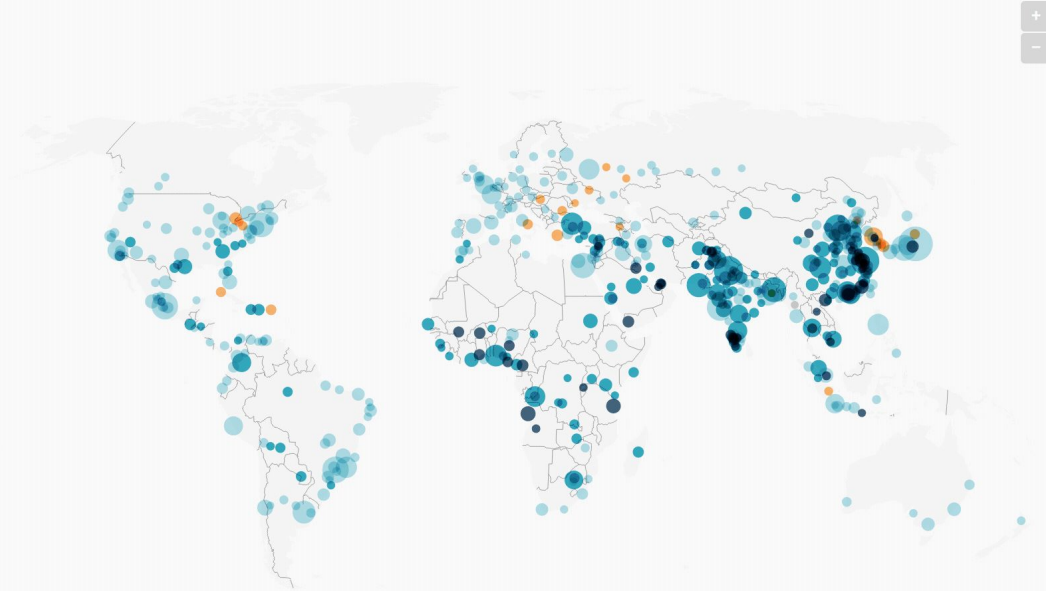
Select your data (including header row/column) in Excel or LibreOffice and paste it in the text field on the right. You can also upload a CSV or Excel file from your computer.

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

[Proceed >](#)

How fast do big cities grow?

Population of all cities with more than 1 million citizens in 2016, represented by circle size; and average annual rate of population change between 2000 and 2016, represented by circle color: **negative growth** / 0 - 2.5% / 2.5% - 5% / **more than 5% population growth**.

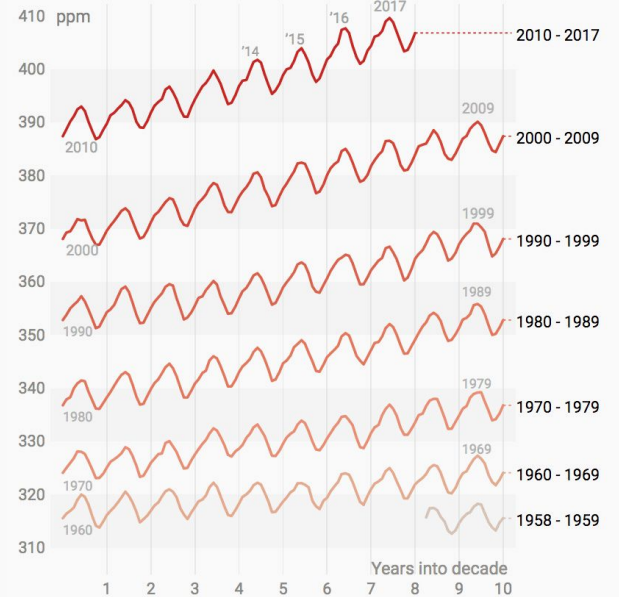


Map: Lisa Charlotte Rost • Source: [UN Data](#) • [Get the data](#)

Carbon Dioxide Concentration By Decade

CO₂ concentration in parts per million* (ppm)

Each line represents one decade, from 1958 to 2017.



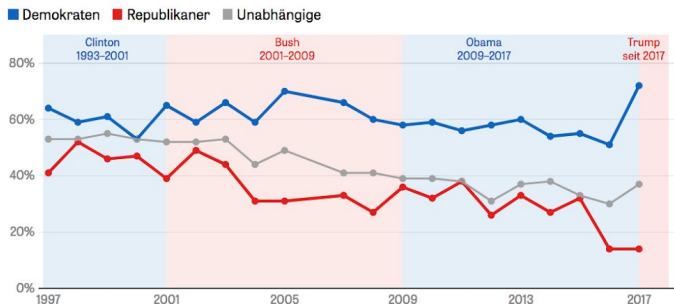
*The mole fraction of CO₂, expressed as parts per million (ppm) is the number of molecules of CO₂ in every million molecules of dried air (water vapor removed).

Chart: Gregor Aisch, Datawrapper • Source: [National Oceanic & Atmospheric Adm. \(NOAA\)](#) • [Get the data](#) • Created with [Datawrapper](#)

repräsentative Poynter-Media-Trust-Umfrage (Guess & Nyhan & Reifler, 2017). Darin gab zuletzt nur jeder siebte (14 Prozent) Unterstützer der republikanischen Partei an, den Massenmedien zu vertrauen. Diese Menschen billigen zudem deutlich häufiger extreme Behauptungen, in denen Medien der Lüge bezichtigt werden. Mehr als die Hälfte der Befragten (60 Prozent) stimmten der Aussage des Präsidenten zu, Medien seien "Feinde des amerikanischen Volkes".

Fake-News für Republikaner?

»Ich vertraue den Massenmedien!« Wie sehr stimmten US-Amerikaner je nach politischer Richtung dieser Aussage in den vergangenen 20 Jahren zu?



Nie zuvor lagen Anhänger der Demokraten weiter auseinander mit Anhängern der Republikaner als im Jahr 2017.

Quelle: Gallup (Meinungsforschungsinstitut) · Daten

Im Gegensatz dazu gaben 72 Prozent der Demokraten an, den Medien zu vertrauen – ebenfalls ein Rekord. Seit den Terroranschlägen vom 11. September 2001 habe es so eine Unterstützung nicht gegeben, schreiben die Autoren der Studie. Offenbar hoffen Anhänger der Demokraten, dass eine unabhängige Presse den Präsidenten für seine Taten und Entscheidungen verantwortlich macht, gerade in einer Zeit, in der seine republikanische Partei beide Kammern des Kongresses kontrolliert. Dazu passt, dass vor allem die vom Präsidenten verhassten Zeitungen *New York Times* und *Washington Post* im vergangenen Jahr Hunderttausende neue Abonnenten dazugewonnen haben.

zum Freeriden oder Skitourenfahren gehen will, sollte sich auf diese Informationen stützen und braucht die dazu nötige Ausbildung.

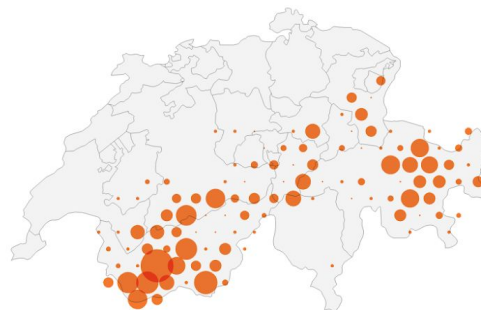
ZEIT ONLINE: Werden nicht auch extra Lawinen gesprengt, bevor sie von selbst abbrechen?

Stucki: Ja, auf diese Weise schützen die lokalen Lawinendienste Straßen oder Skipisten. Während solcher Lawinensprengungen werden in Skigebieten Pisten zeitweise gesperrt. Sie werden danach aber wieder freigegeben. Dass der Betrieb in einem ganzen Skigebiet eingestellt wird, kommt eher selten vor, zum Beispiel wenn wegen schlechten Wetters nicht gesprengt werden kann, die Präparation aufgrund von sehr viel Schnee mehr Zeit braucht oder es stürmt. Selbstverständlich sind die Leute gehalten, sich an die Anweisungen der lokalen Behörden zu halten, also zum Beispiel gesperrte Wege nicht zu begehen.

ZEIT ONLINE: Wie können Skifahrer, Snowboarder und Tourengänger, die im freien Gelände unterwegs sind, Unfälle vermeiden?

Lawinentote in den Schweizer Alpen

Häufigkeit von tödlichen Lawinen-Unglücken je nach Region in den Jahren 1997 bis 2017



Quelle: WSL-Institut für Schnee- und Lawinenforschung SLF, Datenbezug: 26.10.2017 · Daten

Stucki: Indem sie sich über die aktuelle Lawinensituation informieren, sich ausbilden lassen und lernen, worauf zu achten ist. Frischen Triebsschnee zum Beispiel – Schnee, der vom Wind an eine andere Stelle

Datawrapper-
Diagramme
auf **zeit.de**

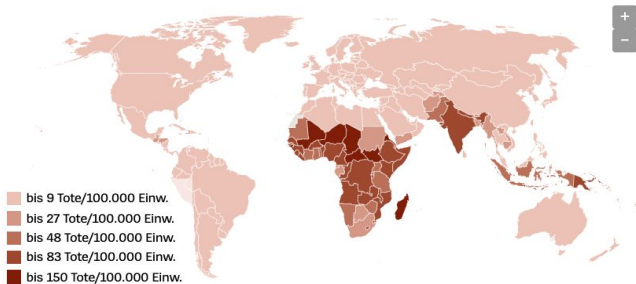
@lisacrost

Landwirtschaft. Jeder dritte Mensch von Wasser ab. Im Umkehrschluss heißt das: Ohne Wasser haben viele Menschen schlicht keinen Job oder keine Ernte.

Gefahr durch unsicheres Wasser

Kochen, persönliche Hygiene, die Wohnung sauber halten und Wäsche waschen: Auch für diese Dinge wird ungefährliches Wasser benötigt. Wo das fehlt, wird gezwungenermaßen verunreinigtes Wasser genutzt. Die Folge: Erkrankungen wie Cholera oder Bilharziose, die im Extremfall zum Tod führen können.

Tote durch verunreinigtes Wasser



Quelle: Universität Washington (Bezugsjahr 2017)

DER SPIEGEL

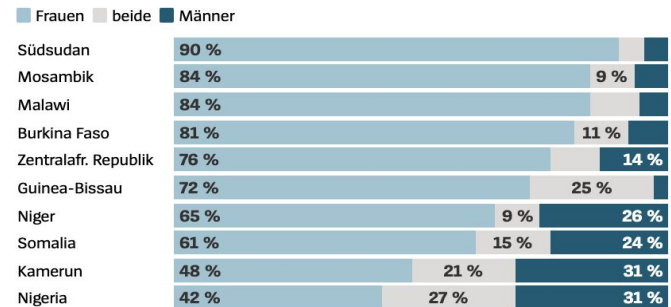
Bei Todesfällen durch verunreinigtes Wasser belegen ausschließlich afrikanische Staaten die oberen Plätze: In der Zentralafrikanischen Republik, dem Tschad, Eritrea und im Südsudan starben 2017 mehr als 100 Personen pro 100.000 Einwohner an verunreinigtem Wasser.

Der weltweite Trend ist zwar rückläufig, doch es gibt eine Ausnahme: die Zentralafrikanische Republik. Dort stieg die Todesrate zwischen 1990 und 2017 um 14 Prozent. Die genauen Ursachen sind unklar, die **anhaltende militärische Krise** im Land dürfte eine Rolle spielen. Im restlichen Subsahara-Afrika hat sich die Zahl der durch verunreinigtes

Wasser gleich stark trifft: Entwicklungsländer sind stärker betroffen als Industriestaaten, Alte, Kranke und Kinder stärker als gesunde Erwachsene, Landbewohner stärker als Stadtbewohner - und Frauen stärker als Männer. So sind es meist Frauen und Mädchen, die dafür zuständig sind, Wasser aus den Quellen zu holen.

Auf dem Land besorgen oft Frauen das Trinkwasser

Wer ist in ländlichen Haushalten primär für das Wasserholen zuständig?



Quelle: Unicef (Stand 2017)

DER SPIEGEL

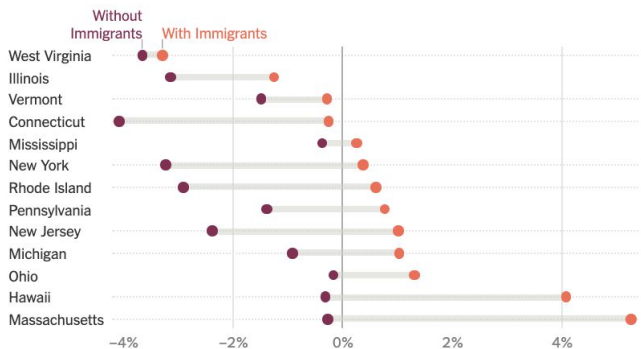
Eine zweite Dimension der ungleich wirkenden Wasserkrise zeigt sich beim Unterschied zwischen armen und wohlhabenden Menschen: "Slumbewohner müssen sehr viel mehr für einen Liter Wasser zahlen als die Reichen, die 200 Meter weiter leben - obwohl das Wasser dort rund um die Uhr verfügbar ist und eine viel bessere Qualität hat", so Wasserexperte Stefan Uhlenbrook.

In der Zukunft wird sich das Problem der Wasserkrise voraussichtlich noch verschärfen. Dafür gibt es zwei Gründe: Einerseits gibt es schlicht mehr und mehr Menschen auf der Erde - und damit einen höheren Bedarf an Wasser. Seit den Achtzigerjahren steigt der globale Wasserverbrauch jährlich um etwa ein Prozent. Der Anstieg liegt zum Großteil am zunehmenden Wasserbedarf in Entwicklungs- und Schwellenländern, wobei deren Pro-Kopf-Verbrauch immer noch

State-by-state population estimates [recently released](#) by the Census Bureau make this clear. Four states lost population in the last decade, but nine others would have also shrunk if not for the addition of foreign-born residents.

Population Change, With and Without Immigrants

Four states lost population this past decade, and nine more would have lost population without immigration.



Percent change in population, 2010-2019

Source: U.S. Census Bureau, Population Estimates • By The New York Times

A decade ago, the population picture was more robust. No state showed an overall population decline, and only seven states depended on immigrants for population growth.

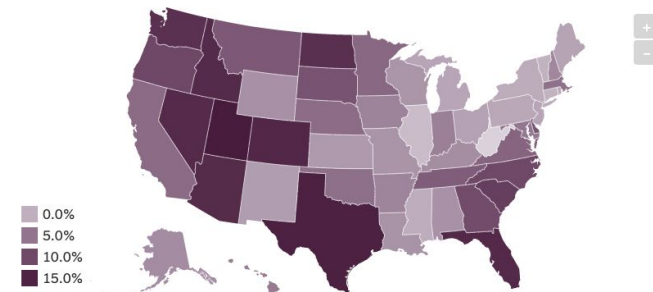
The figures, which are the last major estimates the bureau will release before the 2020 census, separate population change into three major components: natural change, as in births vs. deaths; domestic migration, the movement of Americans between states; and the arrival of immigrants.

The big picture is of a country growing more slowly than it ever has.

others, particularly states that already tend to lose population from migration to other states.

Population Growth by State in the 2010s

The fastest-growing states tended to be in the South and West.



April 1, 2010, to July 1, 2019

Source: Census Bureau • By The New York Times

In Michigan, for example, where 190,000 immigrants arrived, the population over all grew by 100,000, meaning the state would have shrunk without immigration. New Jersey had a net gain of 90,000 residents, bolstered by the addition of nearly 300,000 residents from overseas.

The estimates show that the United States took in more than a million immigrants in both 2015 and 2016, but that the numbers have fallen in the three years since President Trump took office, dipping below 600,000 in 2019.

The four states estimated to have lost population this past decade were West Virginia, Illinois, Connecticut and Vermont.

Population loss directly affects political representation. Seats in the House of Representatives and the Electoral College are tied to the decennial census. If the 2019 estimates are extrapolated one more

Datawrapper-
Diagramme
auf
[nytimes.com](https://datawrapper.dwcdn.net)

Worte sind wichtig.

Worte sind wichtig:

– wahrscheinlicher

Worte sind wichtig:

- wahrscheinlicher
- einfacher

Worte sind wichtig:

- wahrscheinlicher
- einfacher
- mehr

This map is in  Academy

1 Add markers

2 Design map

3 Annotate

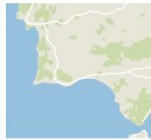
4 Publish

Map styles

 Need help?



LIGHT



EARTH



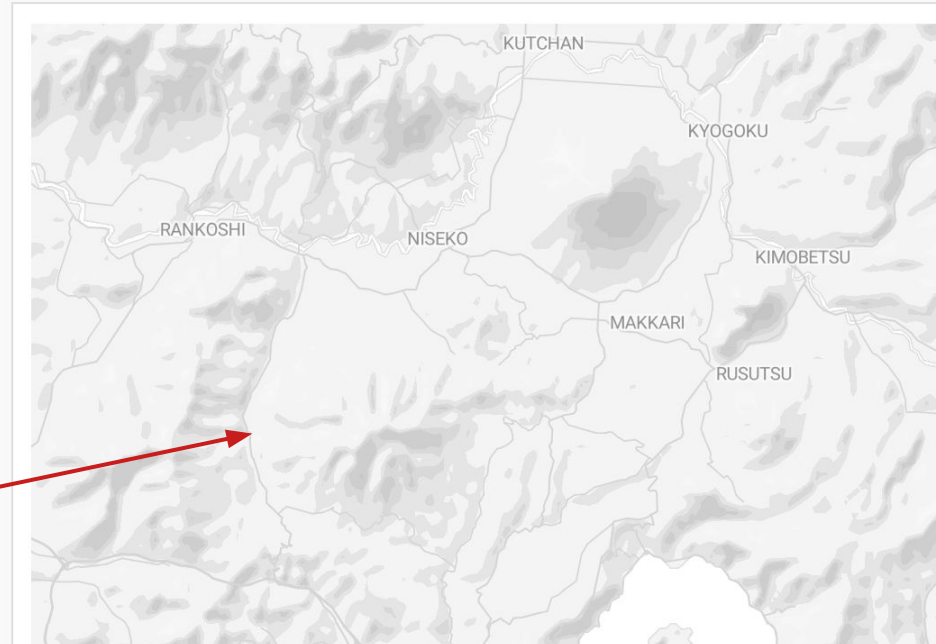
GRAY



MARITIME

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| <input checked="" type="checkbox"/> Buildings * | <input type="checkbox"/> Inner country borders | |
| <input type="checkbox"/> 3D Buildings * | <input type="checkbox"/> Green areas | |
| <input checked="" type="checkbox"/> Roads | <input checked="" type="checkbox"/> Water | |
| <input checked="" type="checkbox"/> Urban areas | <input checked="" type="checkbox"/> | |

* Zoom in to see these features



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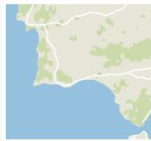
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LIGHT



EARTH



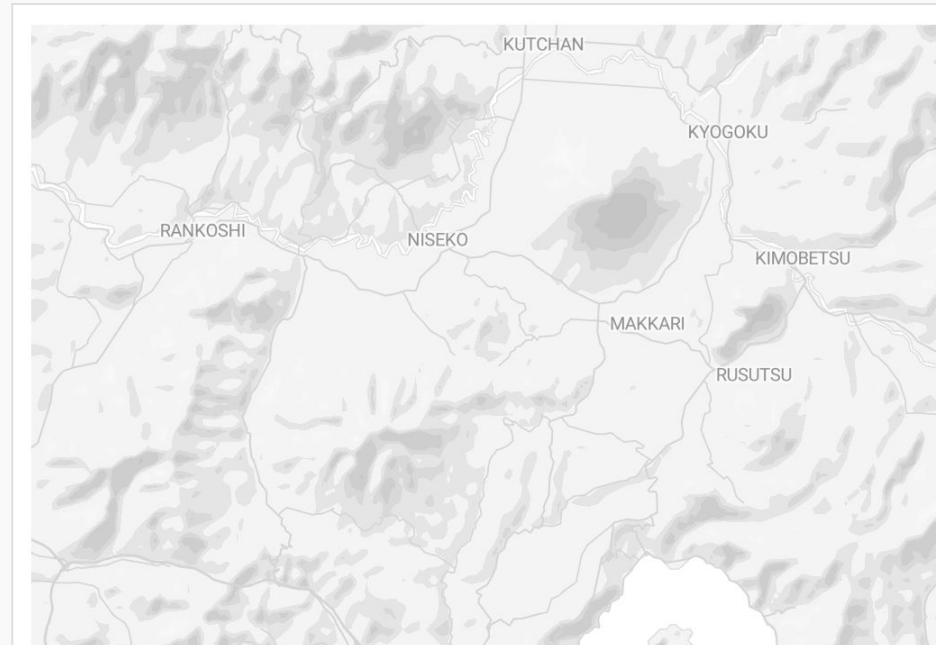
GRAY



MARITIME

- Labels
- Buildings *
- 3D Buildings *
- Roads
- Urban areas
- Country borders
- Inner country borders
- Green areas
- Water
- Mountains

* Zoom in to see these features



uxplanet.org › the-rise-of-the-ux-writer-8beb836c13f1 ▼

The Rise of the UX Writer - UX Planet

Jan 21, 2019 - If you've been paying attention to the biggest UX design trends predicted for 2019, you'll no doubt have heard about the rise of **UX writing**.

uxdesign.cc › ux-writing-ux-copywriting-content-strategy-and-conten... ▼

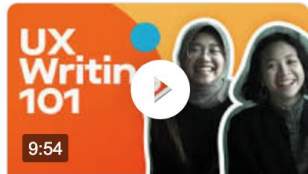
UX Writing, UX Copywriting, Content Strategy, and Content ...

Nov 5, 2018 - A **UX writer** is someone who writes for **user experience**. **UX writers** write the words we read or hear when we use a digital product. Their texts must be clear, concise, and useful. Their goal is to help and guide the user.

Videos



UX Writing in 60 seconds!



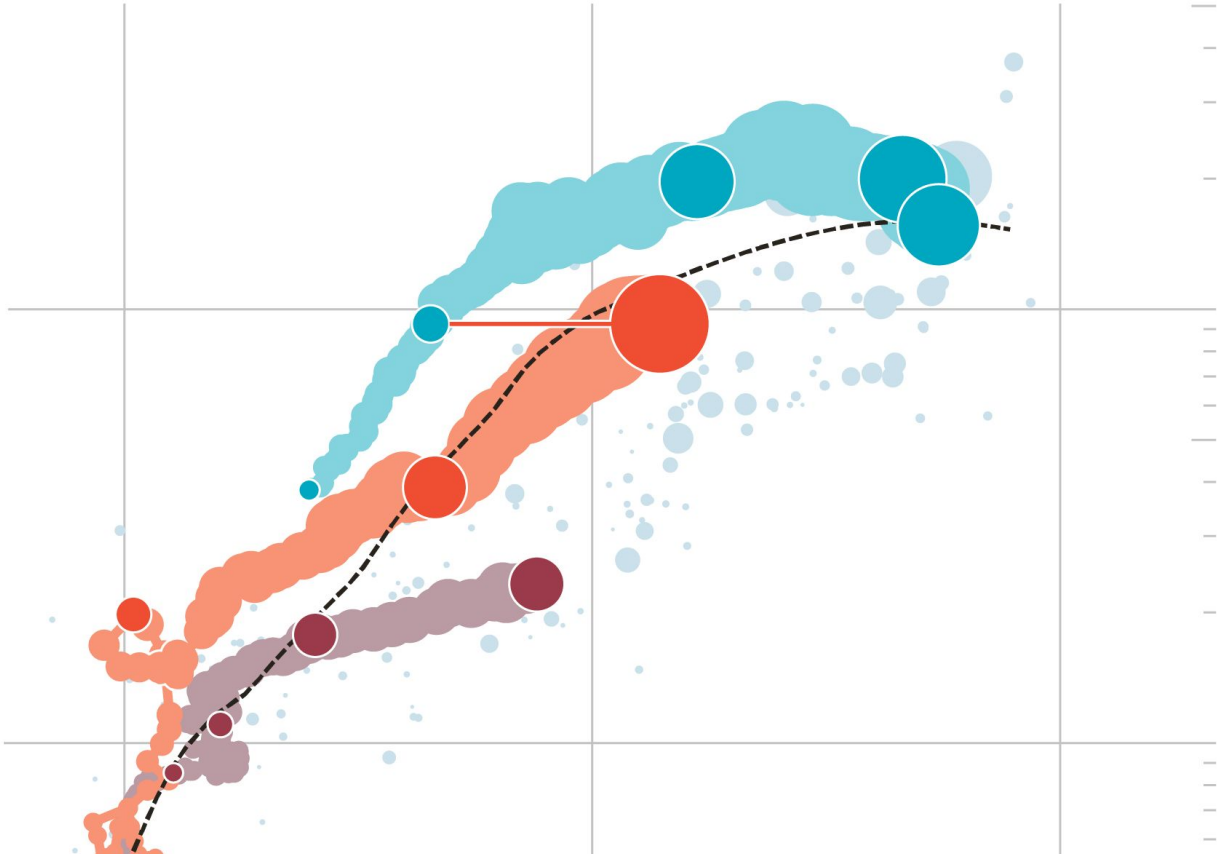
UX Writing 101: How to Write for an App



What is UX Writing - with freelance writer Owen Williams

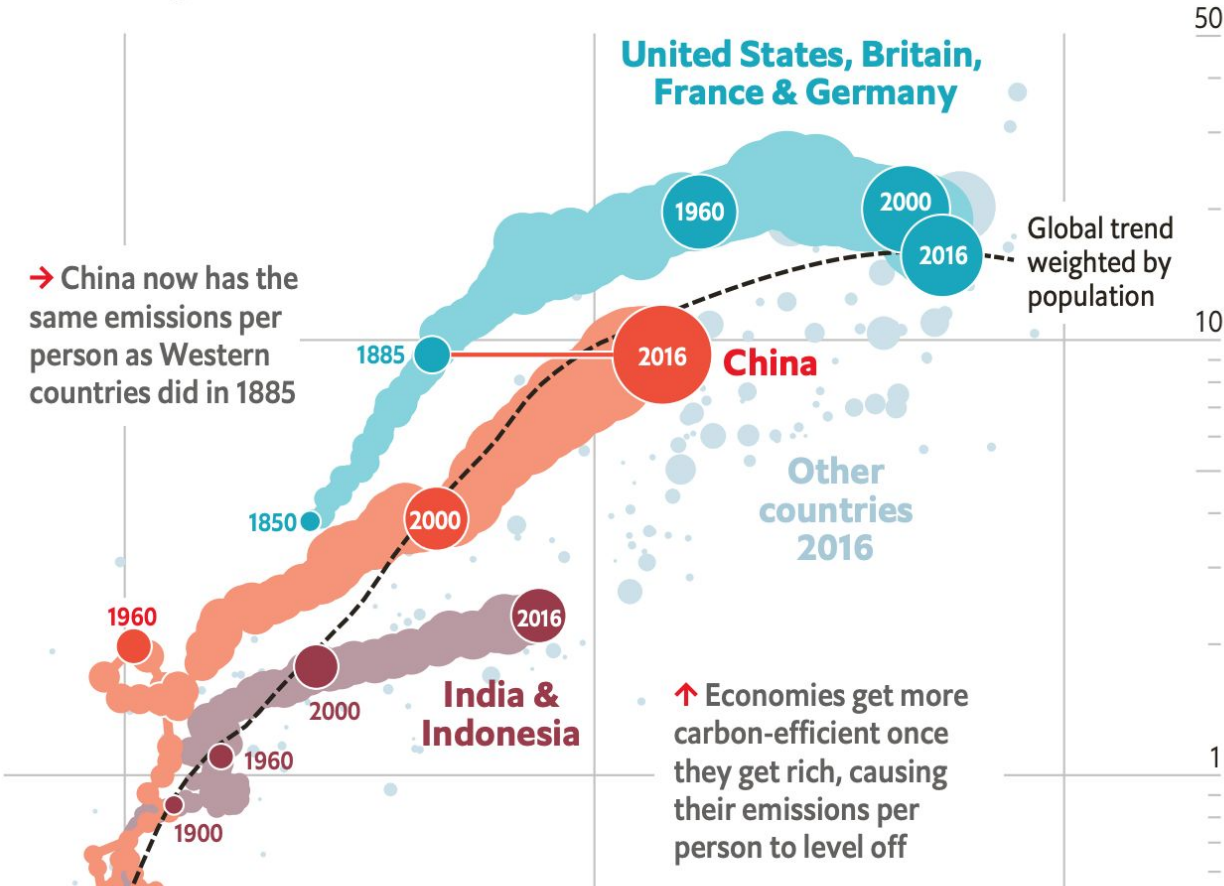
UX job UX book

Not-so-cold
comfort, Graphic
Detail, The
Economist, 2019

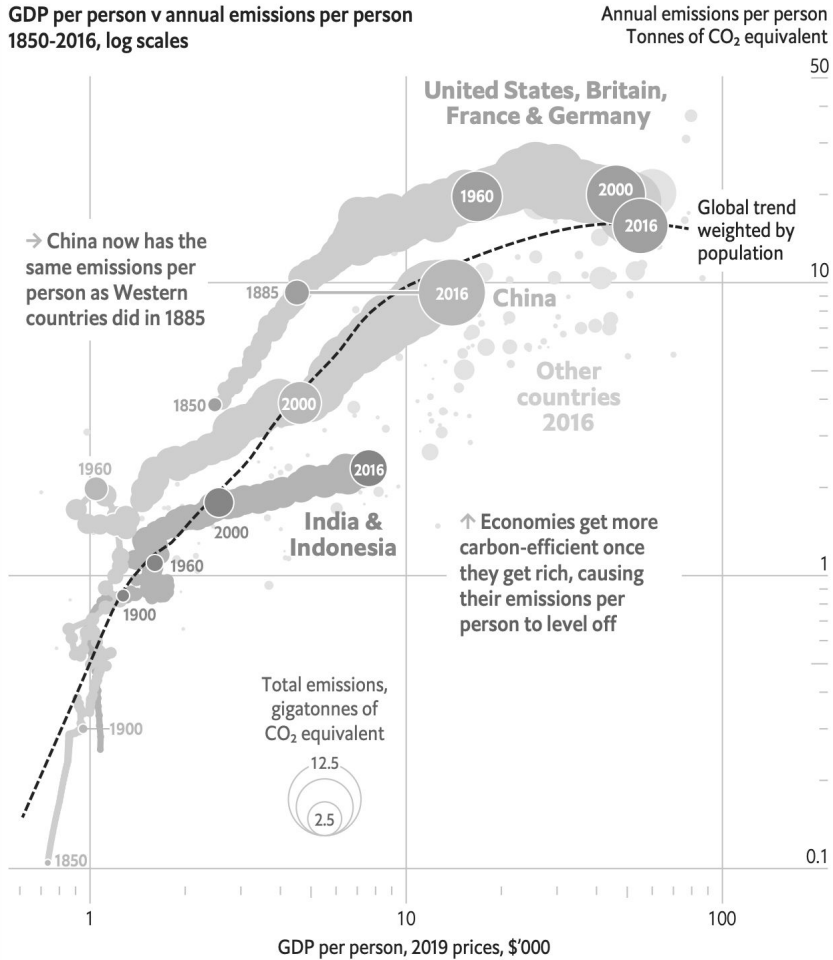


GDP per person v annual emissions per person
1850-2016, log scales

Annual emissions per person
Tonnes of CO₂ equivalent

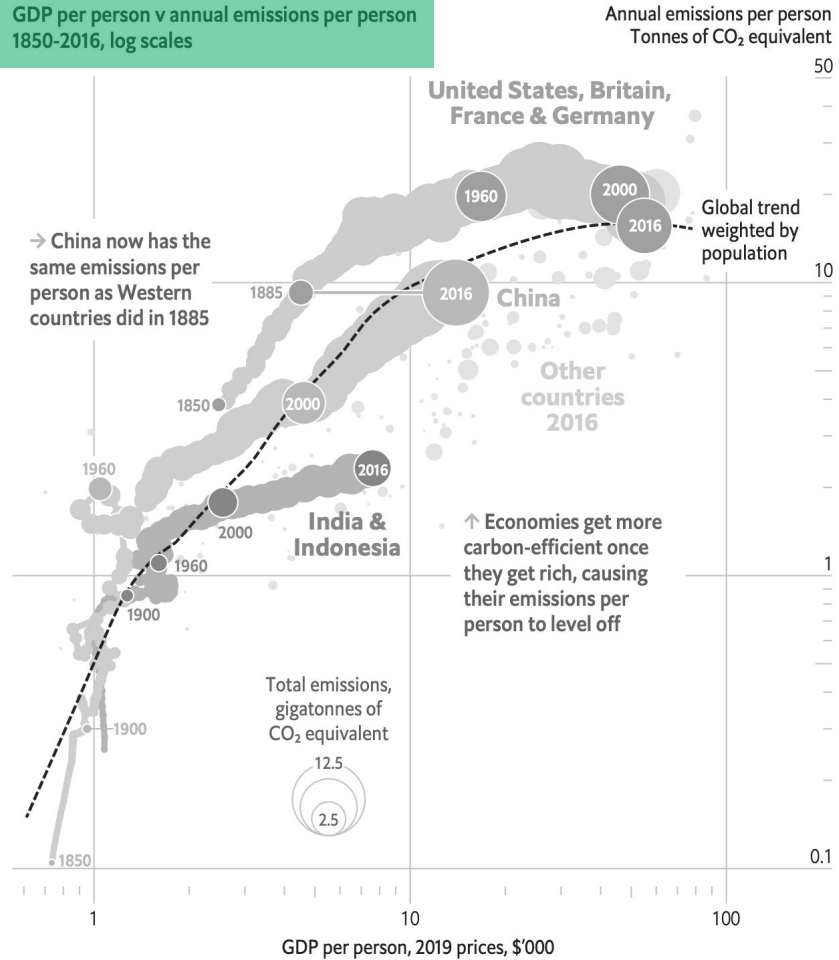


**GDP per person v annual emissions per person
1850-2016, log scales**



**Mögliche Texte in
Datenvisualisierungen**

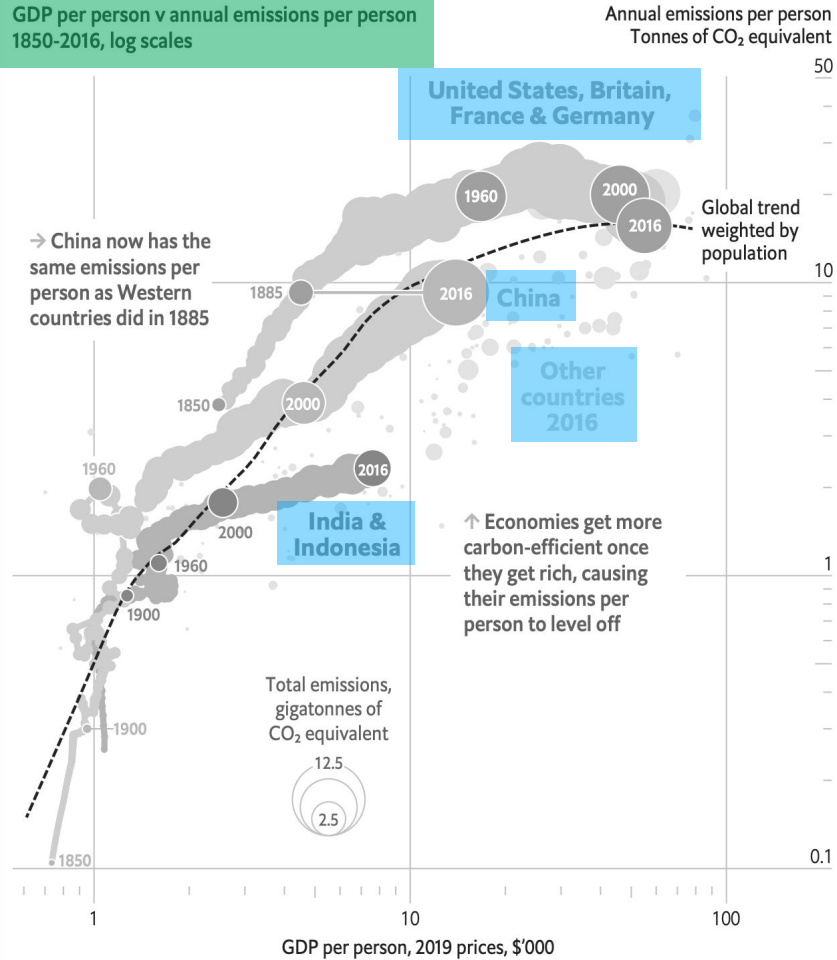
GDP per person v annual emissions per person 1850-2016, log scales



Mögliche Texte in
Datenvisualisierungen

Titel

GDP per person v annual emissions per person 1850-2016, log scales

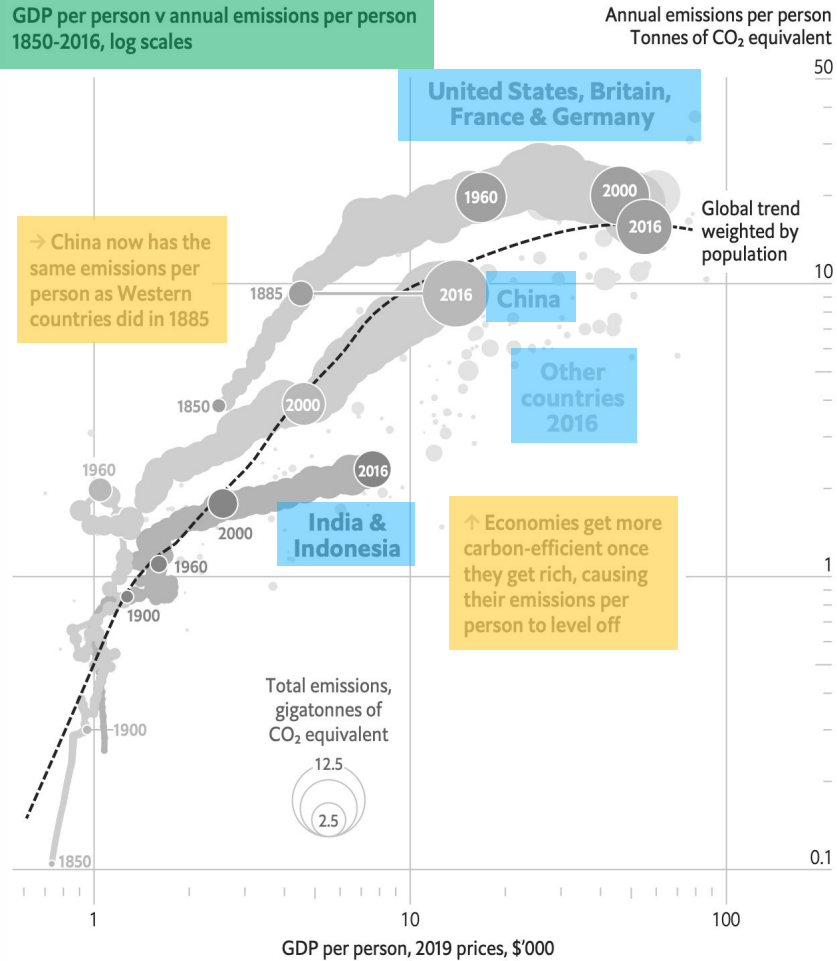


Mögliche Texte in
Datenvisualisierungen

Titel

Beschriftungen

GDP per person v annual emissions per person 1850-2016, log scales



Mögliche Texte in Datenvisualisierungen

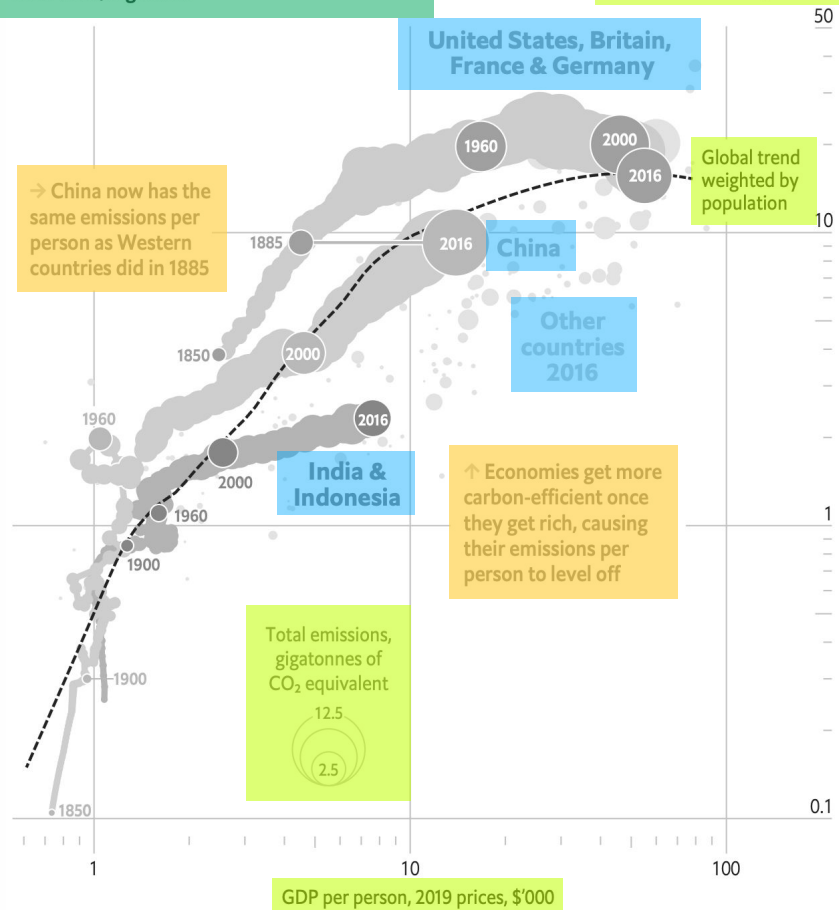
Titel

Beschriftungen

Erklärungen

GDP per person v annual emissions per person
1850-2016, log scales

Annual emissions per person
Tonnes of CO₂ equivalent



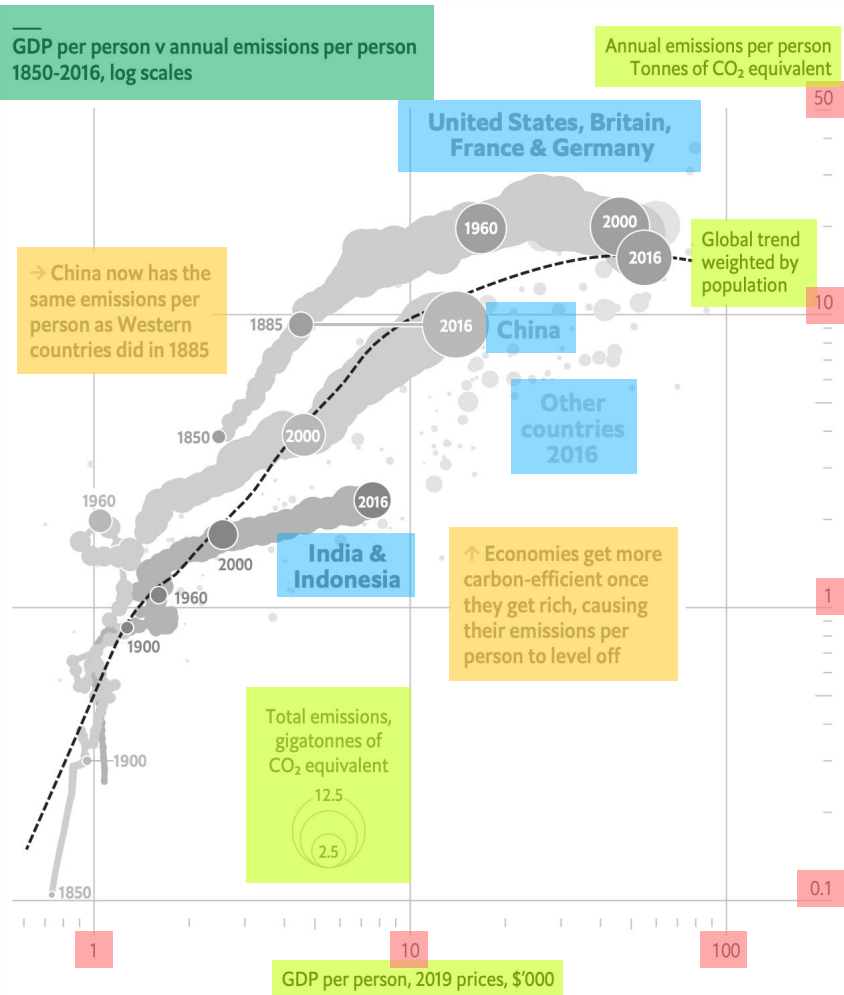
Mögliche Texte in
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Titel

Beschriftungen

Erklärungen

Achsenbeschreibungen
& Legenden



Mögliche Texte in
Datenvisualisierungen

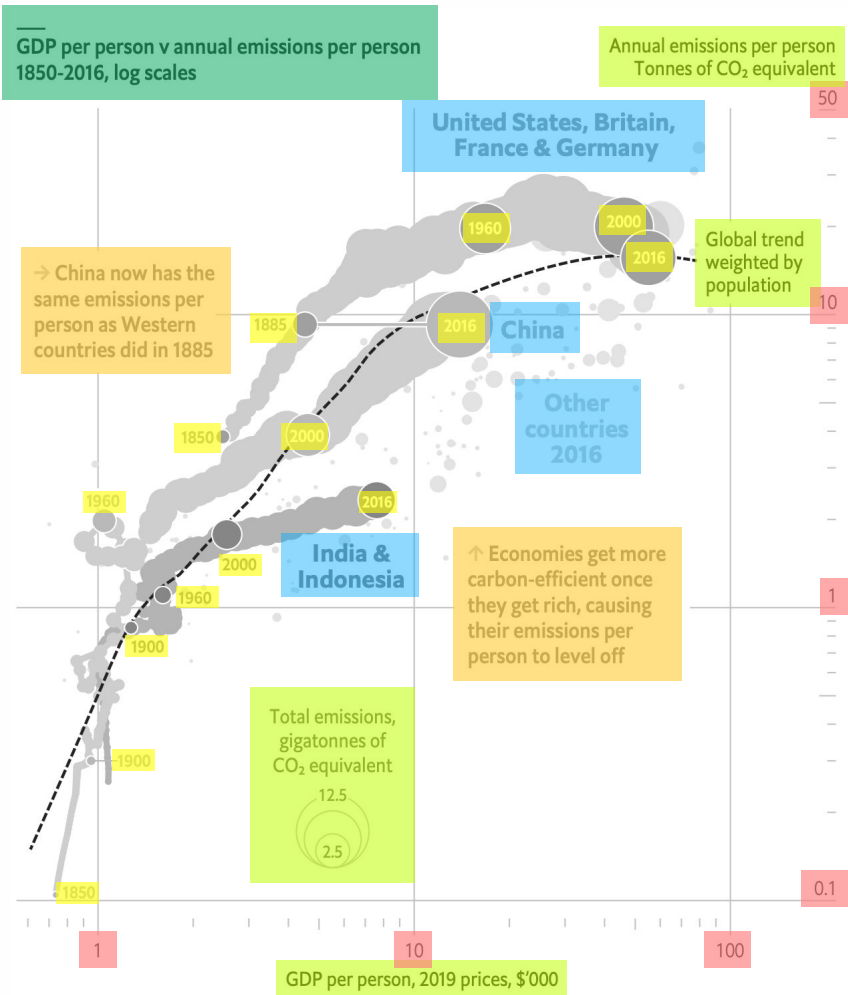
Titel

Beschriftungen

Erklärungen

Achsenbeschreibungen
& Legenden

Achsenticks



Mögliche Texte in
Datenvisualisierungen

Titel

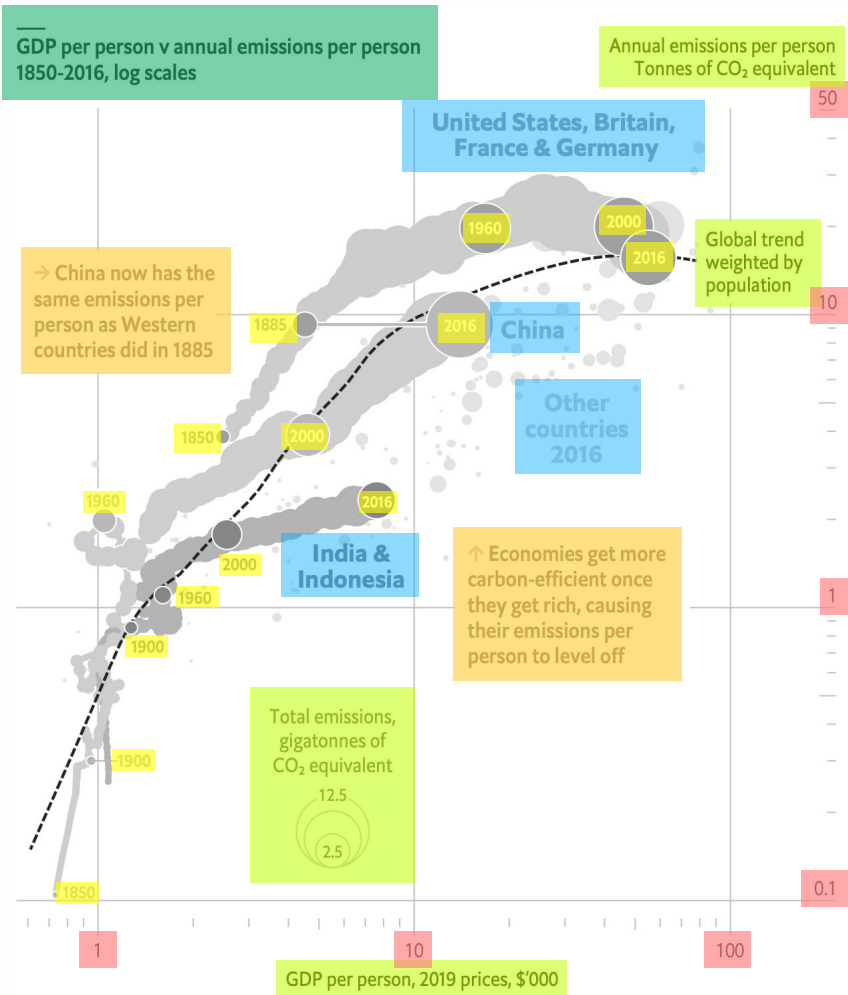
Beschriftungen

Erklärungen

Achsenbeschreibungen
& Legenden

Achsenticks

Werte



Mögliche Texte in
Datenvisualisierungen

Titel

Beschriftungen

Erklärungen

Achsenbeschreibungen
& Legenden

Achsenticks

Werte

Quelle, Byline, ...

1 Inhalt

2 Formulierung

3 Platzierung & Formatierung

1 Inhalt

2 Formulierung

3 Platzierung & Formatierung

Alles.

1 Inhalt

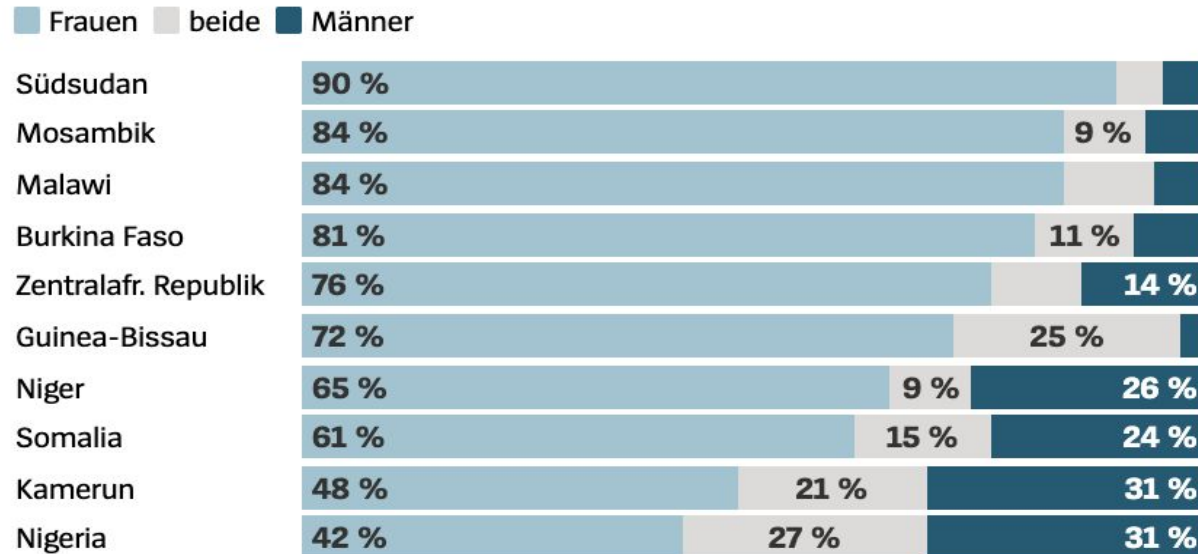
Deine Leser*innen sollen
etwas Bestimmtes sehen?

Zeig drauf.

Buchstabier es aus.

Auf dem Land besorgen oft Frauen das Trinkwasser

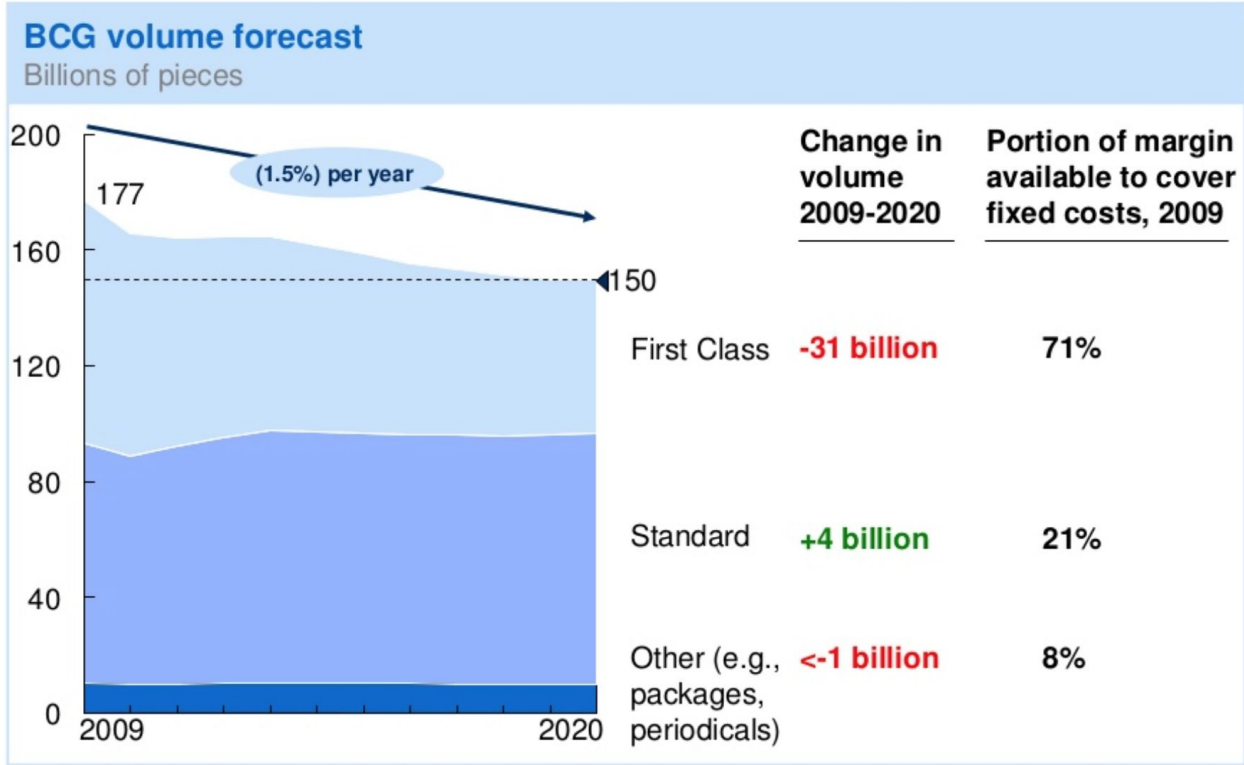
Wer ist in ländlichen Haushalten primär für das Wasserholen zuständig?



Quelle: [Unicef](#) (Stand 2017)

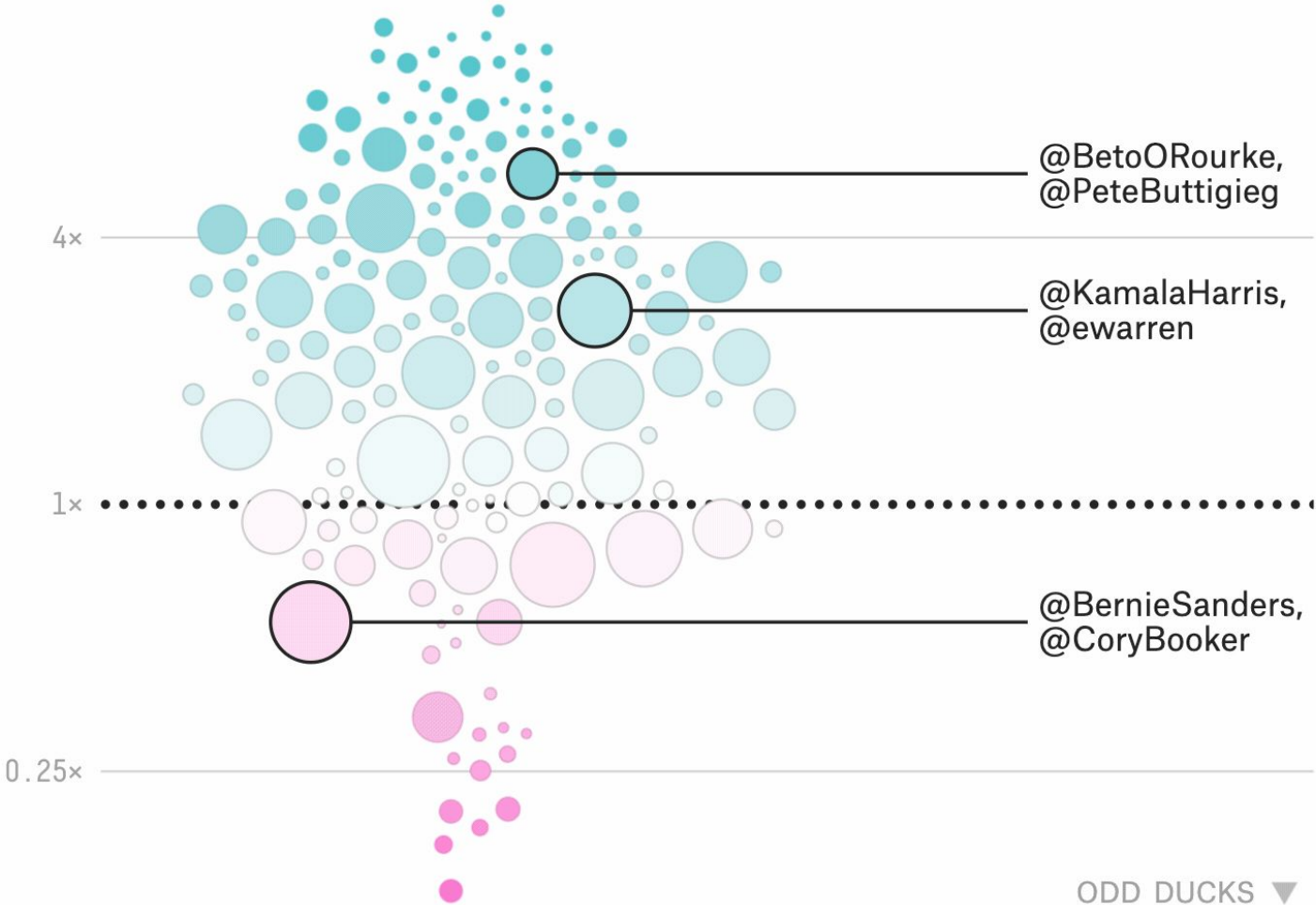
DER SPIEGEL

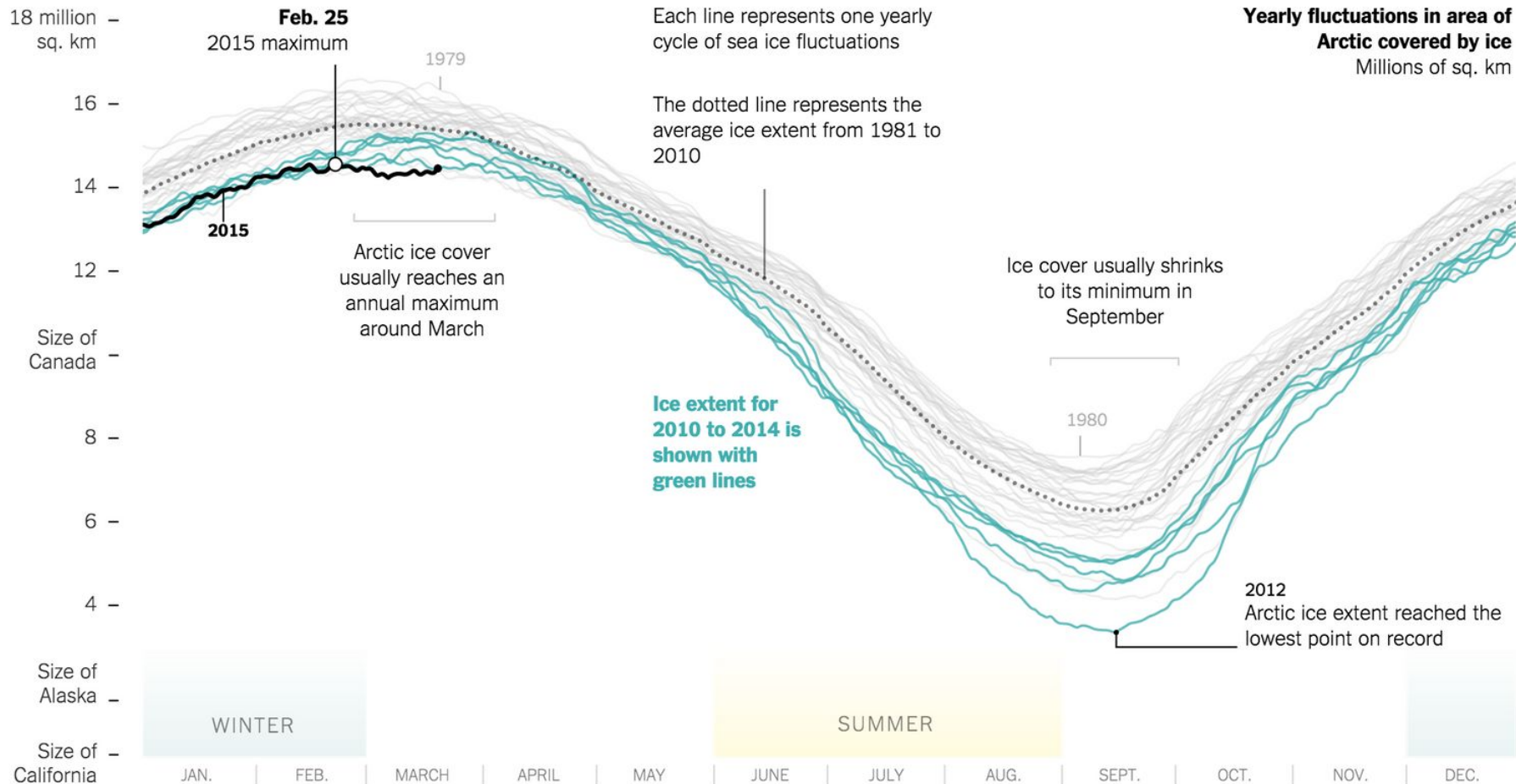
Volume will decline significantly over the next decade driven by a steady decline in First-Class Mail, the most profitable segment

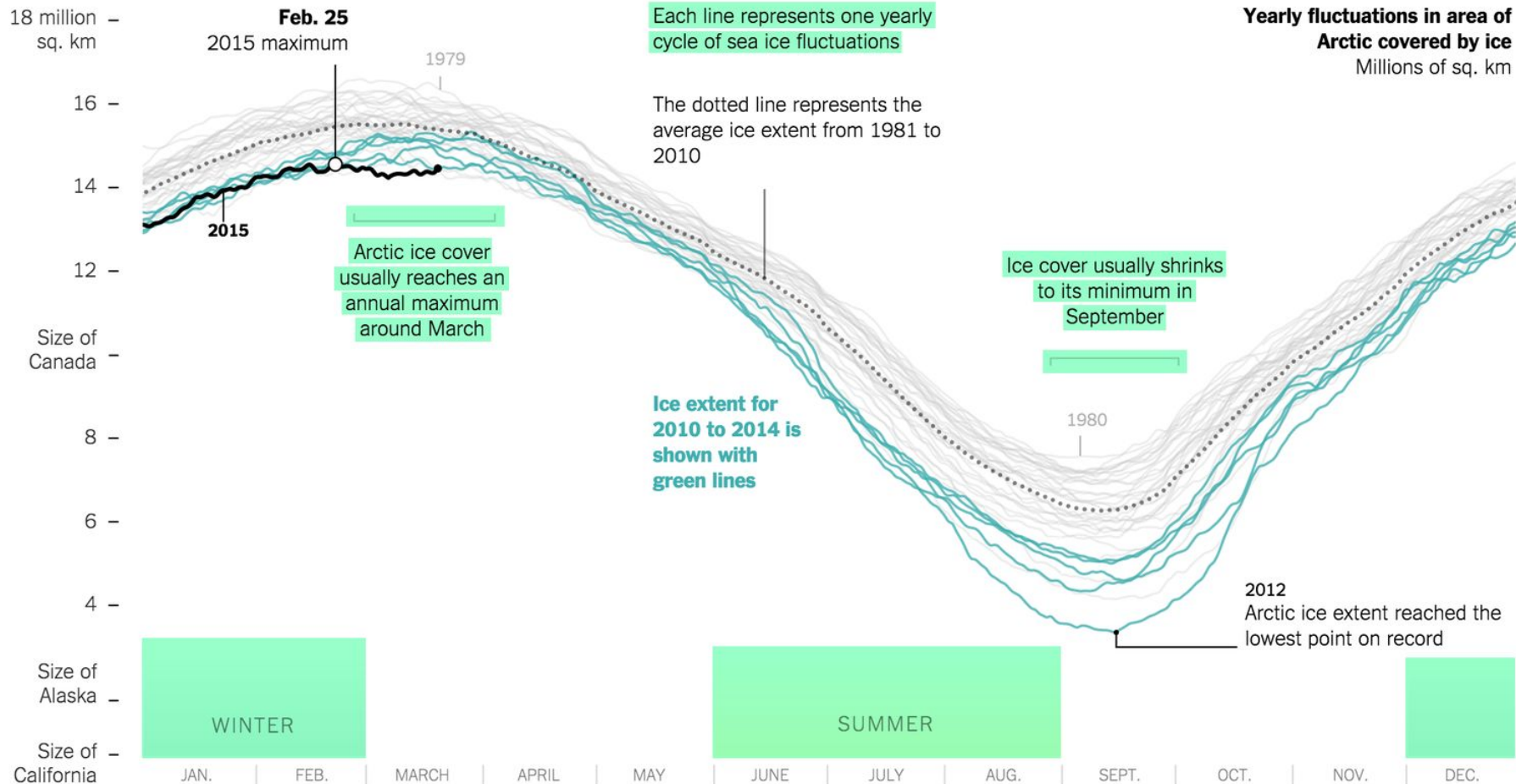


1 Inhalt

Which 2020
Candidates Have
The Most In
Common ... On
Twitter?,
FiveThirtyEight,
2019







Sei redundant.

1 Inhalt

How Britons spend their time at weekends vs weekdays

Share of people doing specific activities during **weekends** vs **weekdays**, by time of day (%)

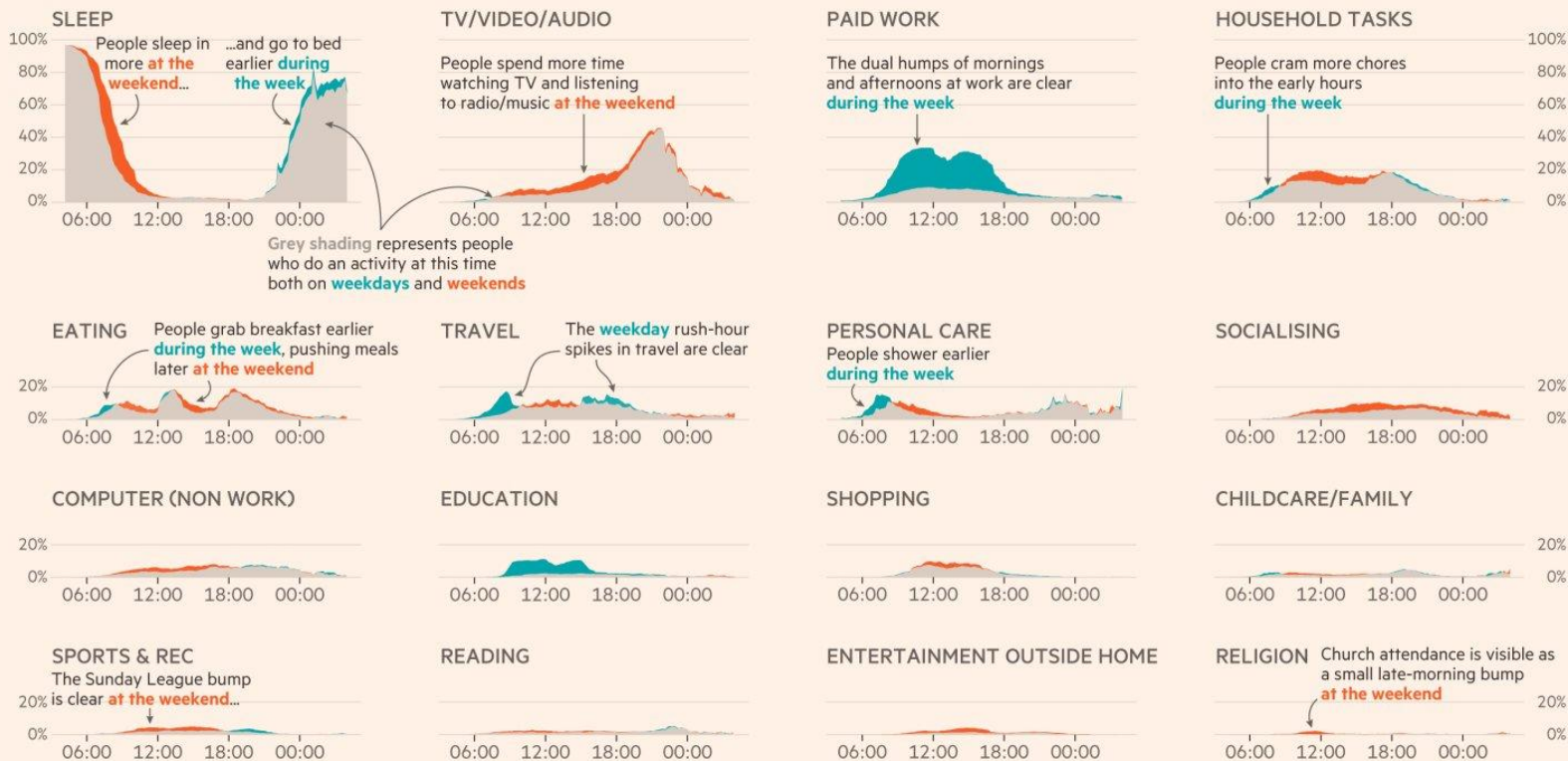


Source: FT analysis of UK Time Use Survey 2015

© FT

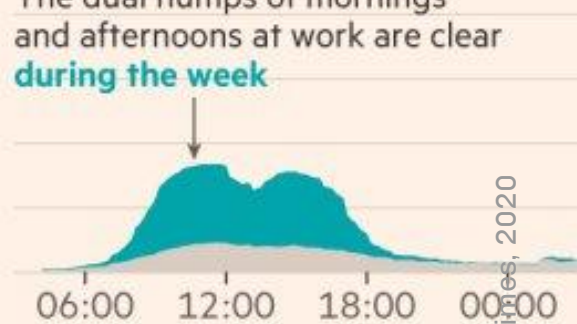
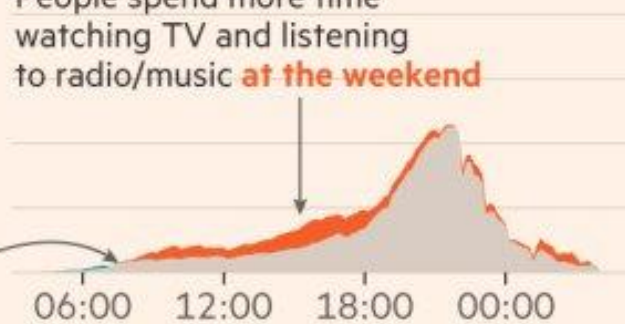
How Britons spend their time at weekends vs weekdays

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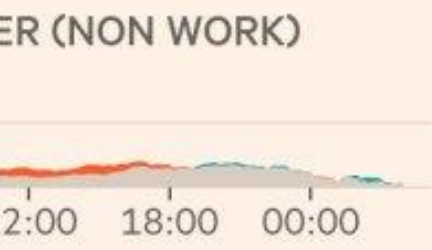
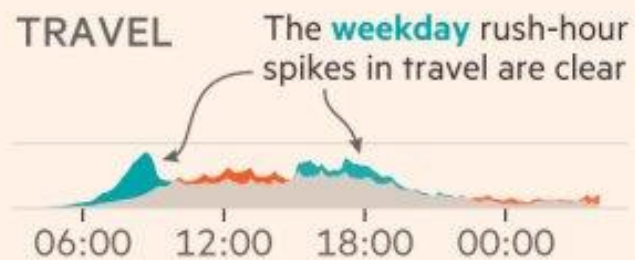


Source: FT analysis of UK Time Use Survey 2015

© FT



Grey shading represents people who do an activity at this time both on weekdays and weekends



How Britons spend their time at weekends vs weekdays

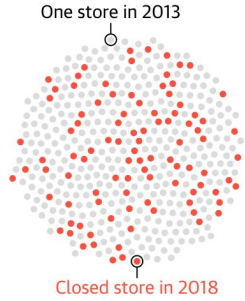
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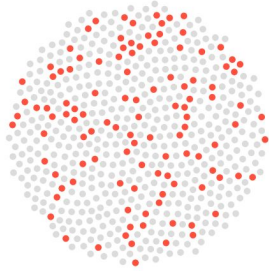
Source: FT analysis of UK Time Use Survey 2015

© FT

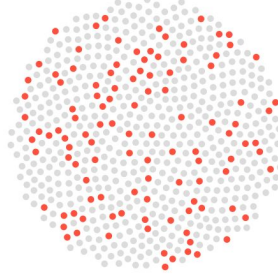
Stoke-on-Trent
23.4% of stores lost since 2013



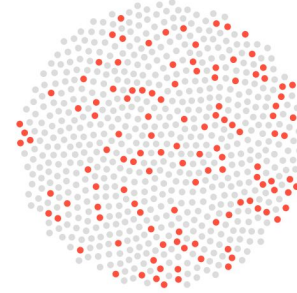
Eastbourne
20.5%



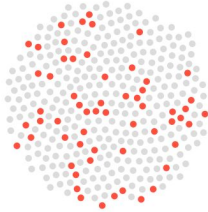
Blackpool
18.5%



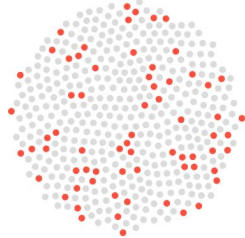
Sheffield
17.8%



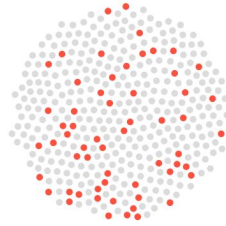
Rotherham
17.1%



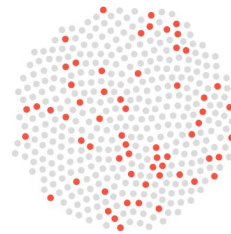
Southampton
15.8%



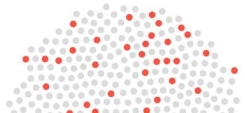
Wigan
15.3%



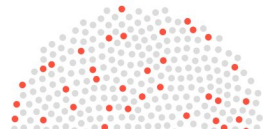
Plymouth
15.0%



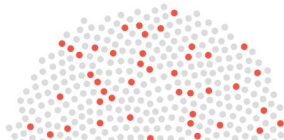
Halifax
15.0%



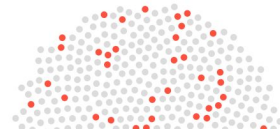
Wolverhampton
15.0%



Lincoln
14.7%



Worcester
14.6%



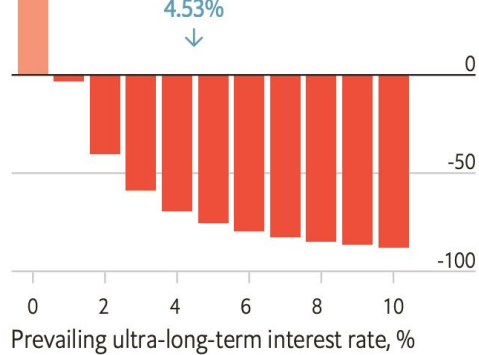
Outlier

High street crisis deepens: 1 in 12 shops closed in five years, The Guardian, 2019

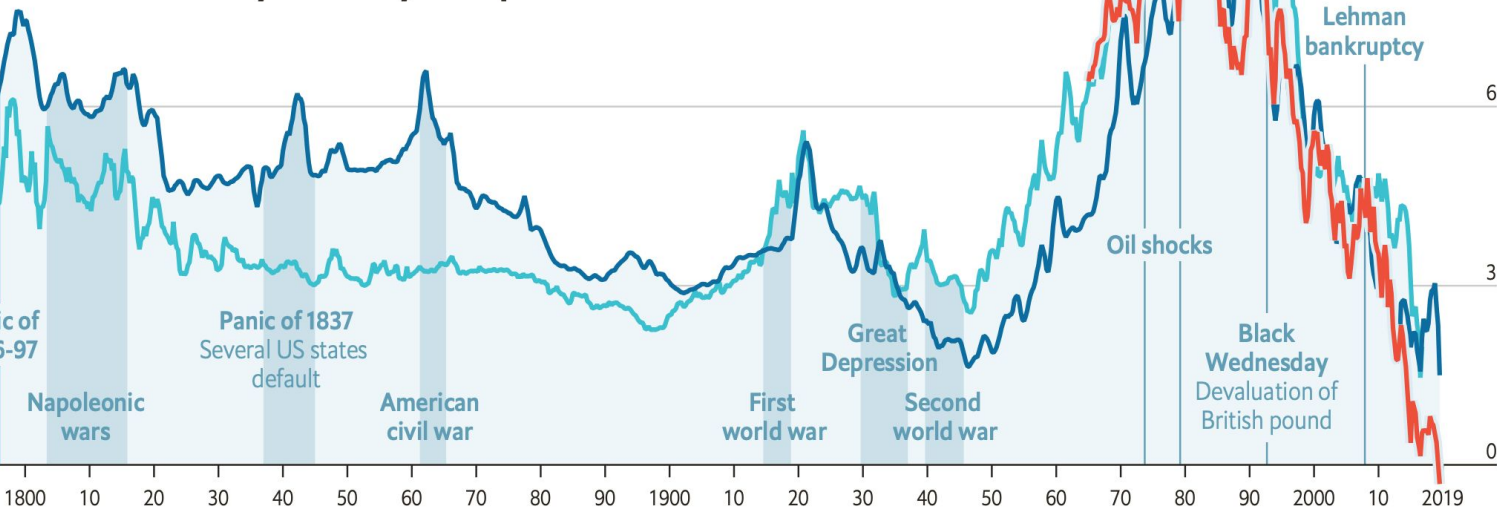
Zeige extra Informationen.

A piece
of wisdom

“**Ich** weiß es ja...”

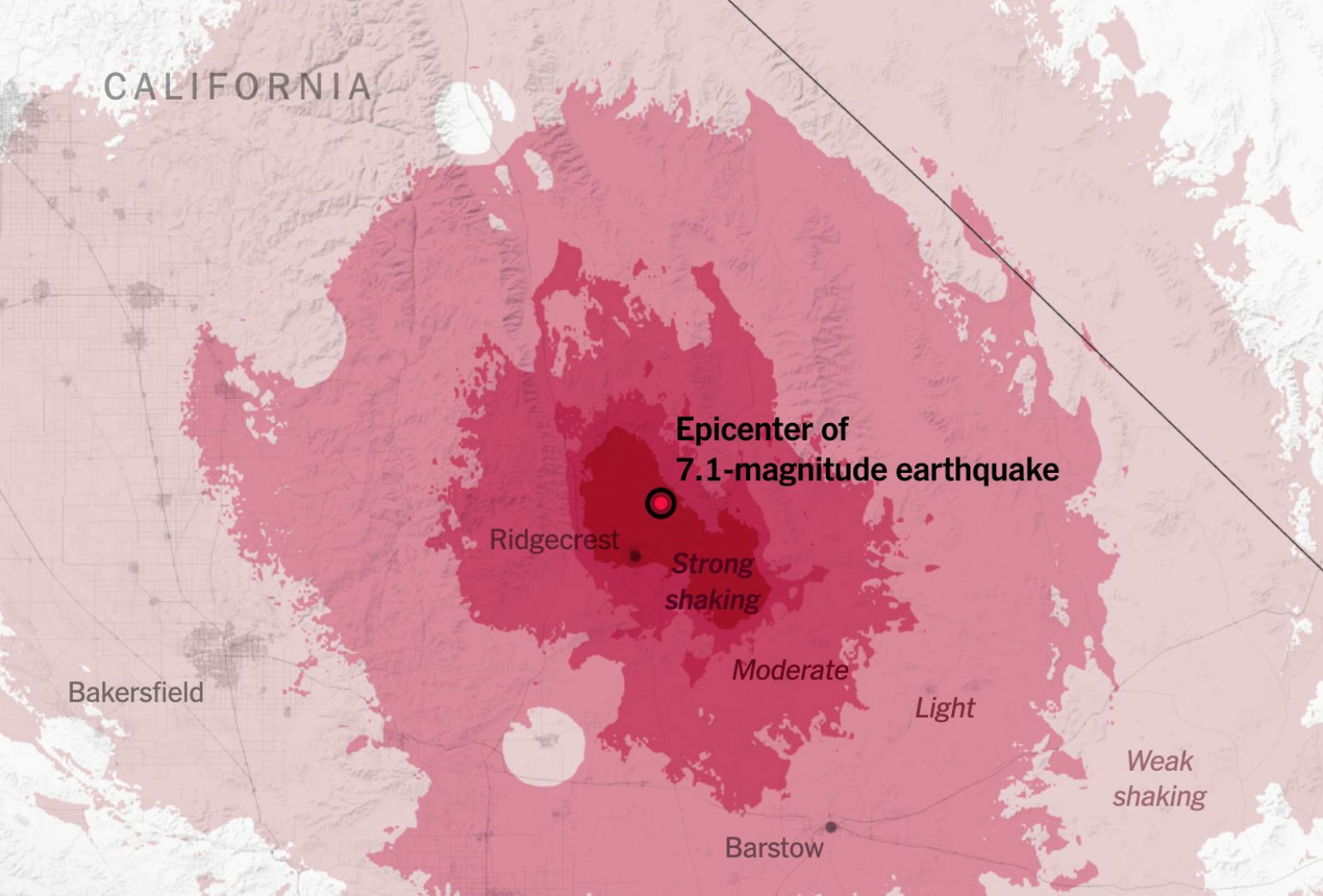


**the norm for most of financial history—
or Austrian century-bond buyers to profit**



1 Inhalt

American
Economics,
Graphic Detail,
The Economist,
2019



CALIFORNIA

**Epicenter of
7.1-magnitude earthquake**

*Strong
shaking*

Moderate

Light

*Weak
shaking*

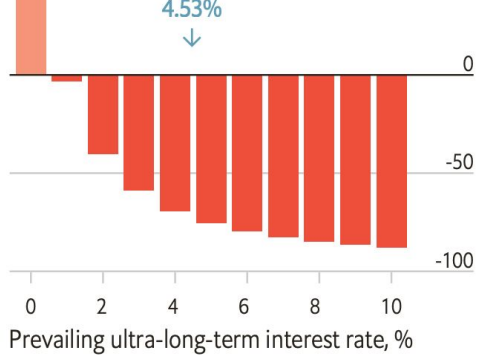
Ridgecrest

Bakersfield

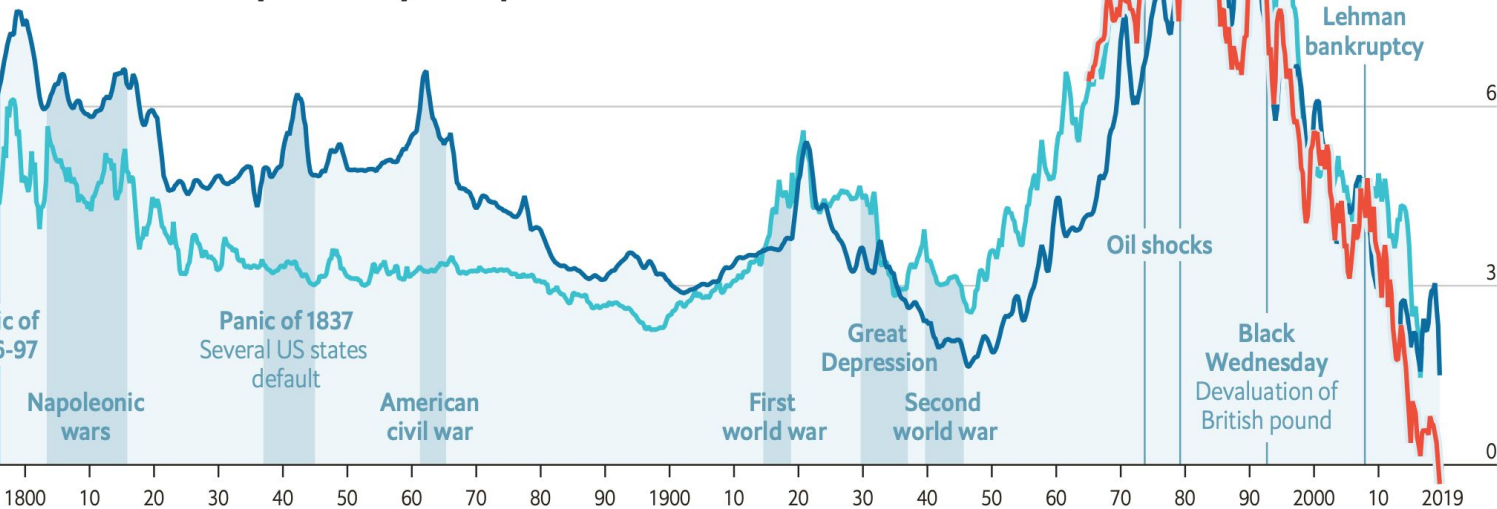
Barstow

1 Inhalt

How Two Big Earthquakes Triggered 16,000 More in Southern California, New York Times, 2019



**the norm for most of financial history—
or Austrian century-bond buyers to profit**



1 Inhalt

American
Economics,
Graphic Detail,
The Economist,
2019

1 Inhalt

2 Formulierung

3 Platzierung & Formatierung

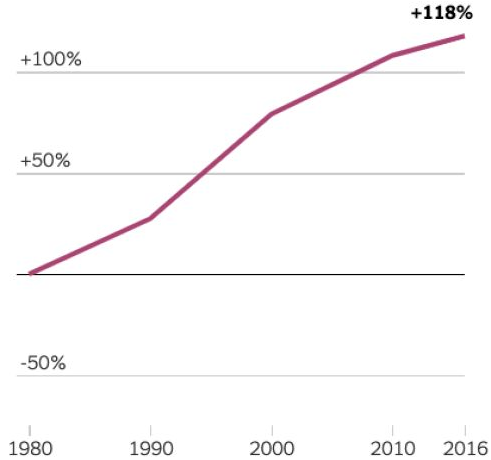
“The Myth of the Criminal Immigrant”, New York Times, 2018

The Myth of the Criminal Immigrant

By ANNA FLAGG MARCH 30, 2018

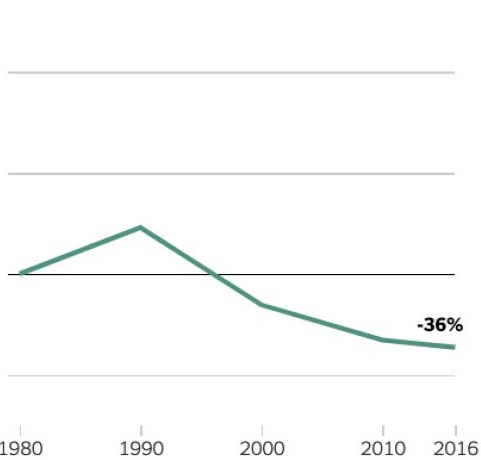
Immigrant population

Change since 1980



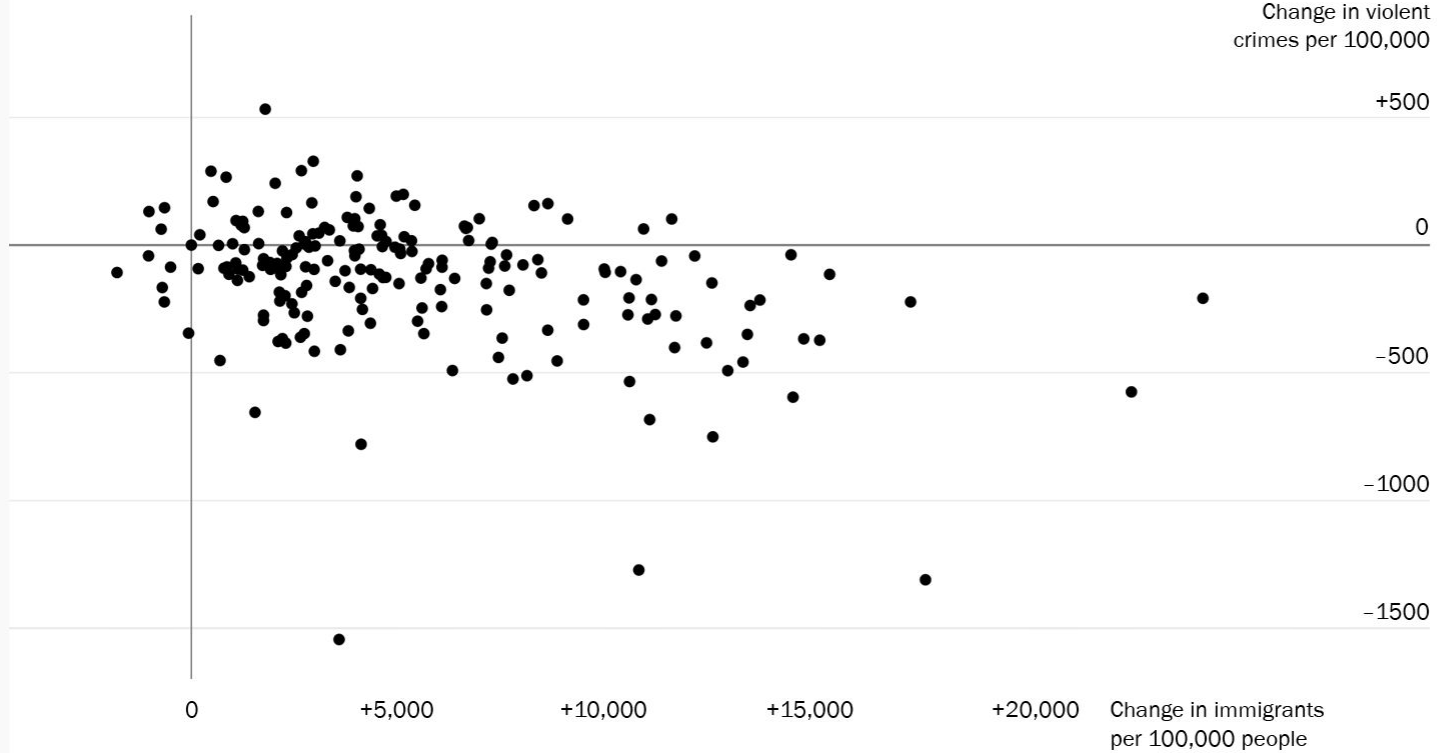
Violent crime rate

Change since 1980



The Trump administration’s first year of immigration policy has relied on claims that immigrants bring crime into America. President Trump’s latest target is sanctuary cities

Time span: 1980–2018

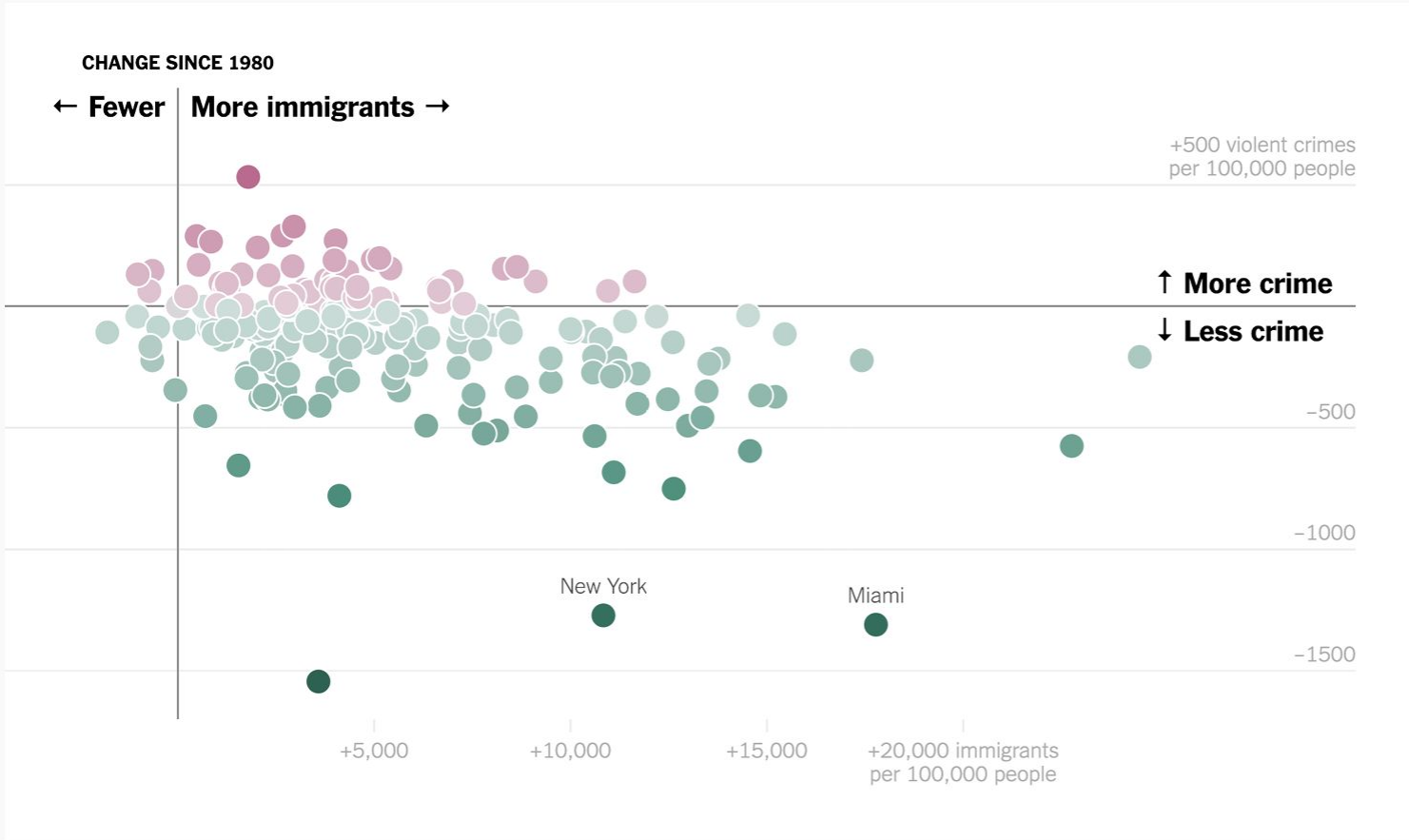


2 Formulierung

“The Myth of the Criminal Immigrant”, New York Times, 2018

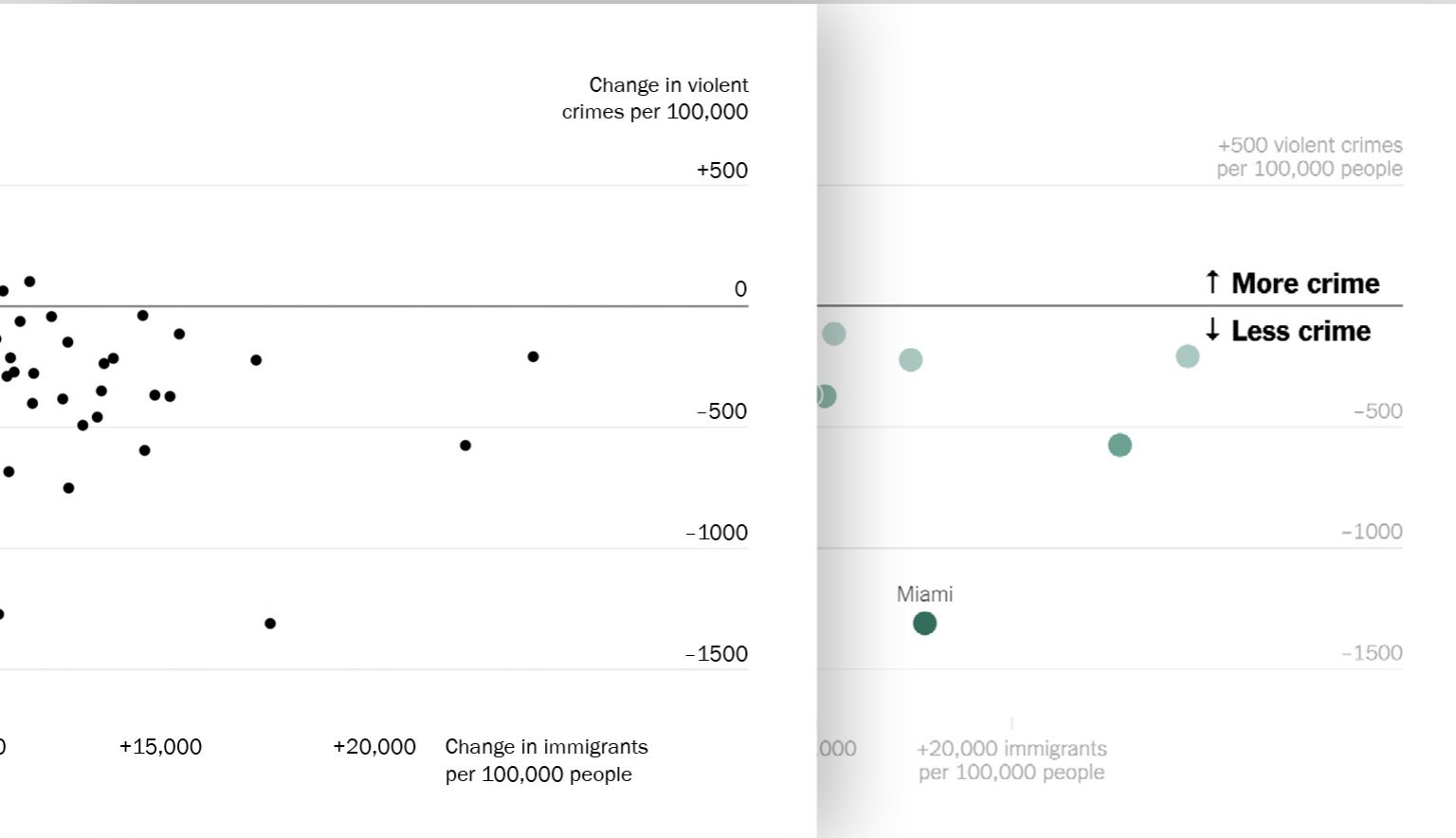
2 Formulierung

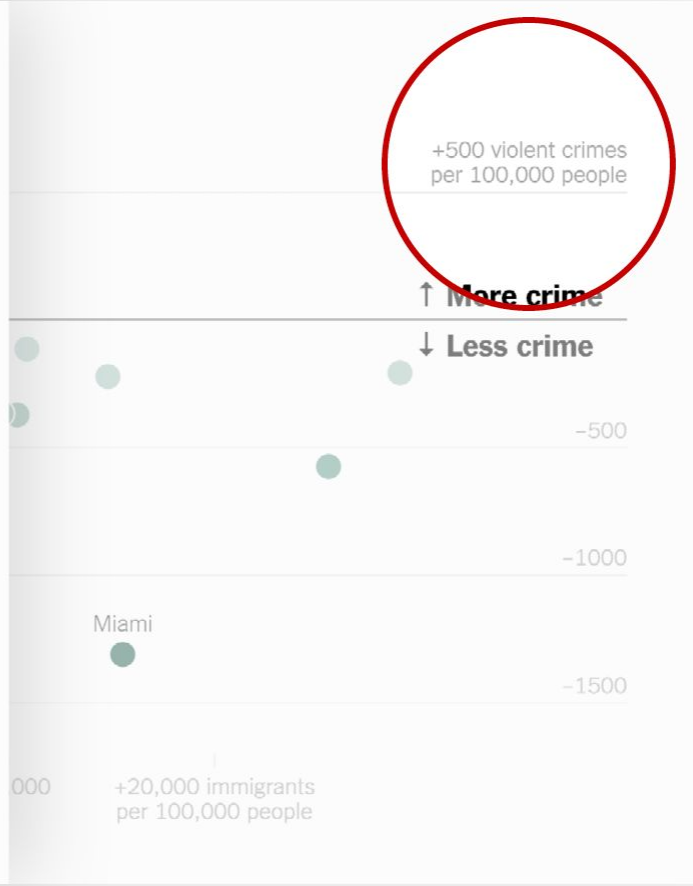
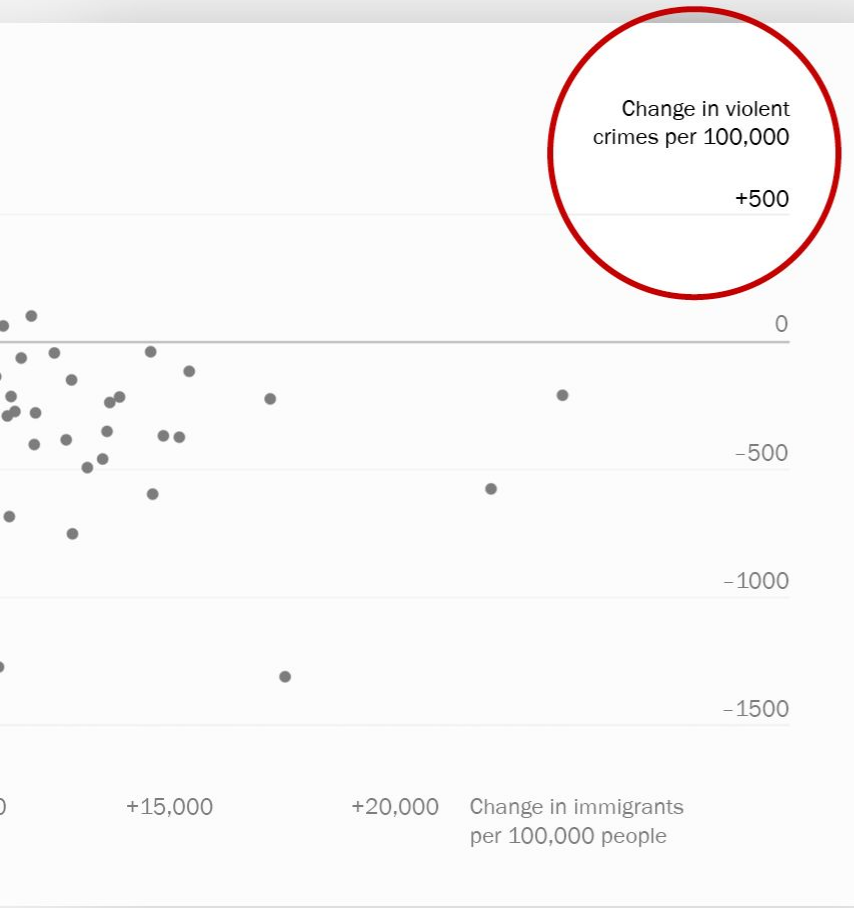
“The Myth of the Criminal Immigrant”, New York Times, 2018



2 Formulierung

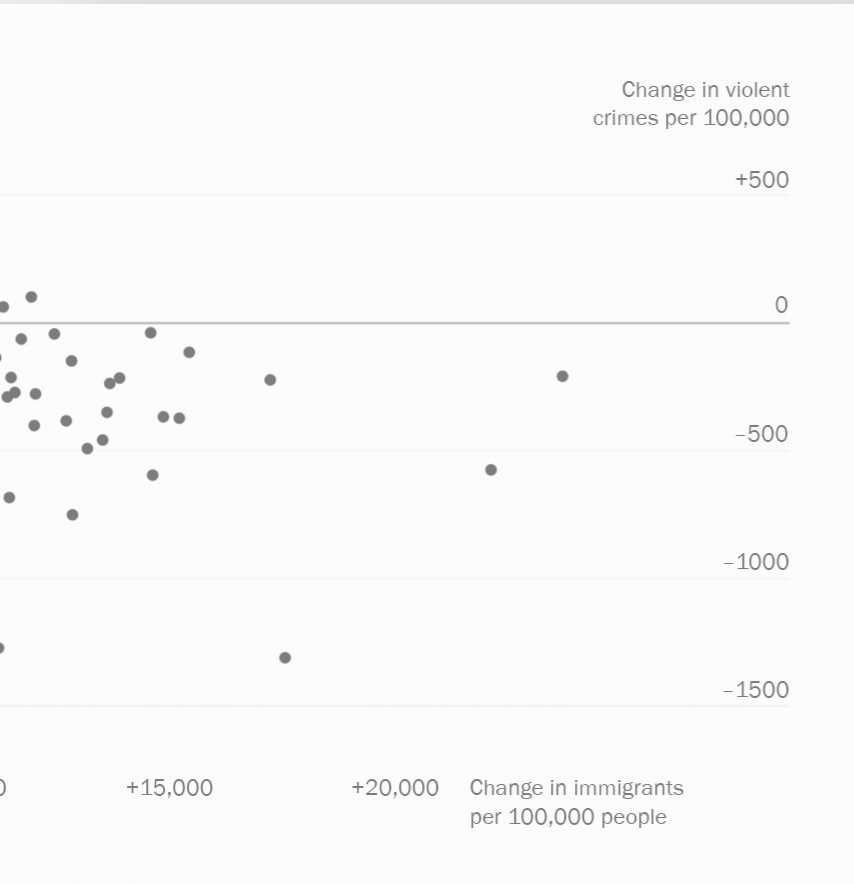
“The Myth of the Criminal Immigrant”, New York Times, 2018





2 Formulierung

“The Myth of the Criminal Immigrant”, New York Times, 2018

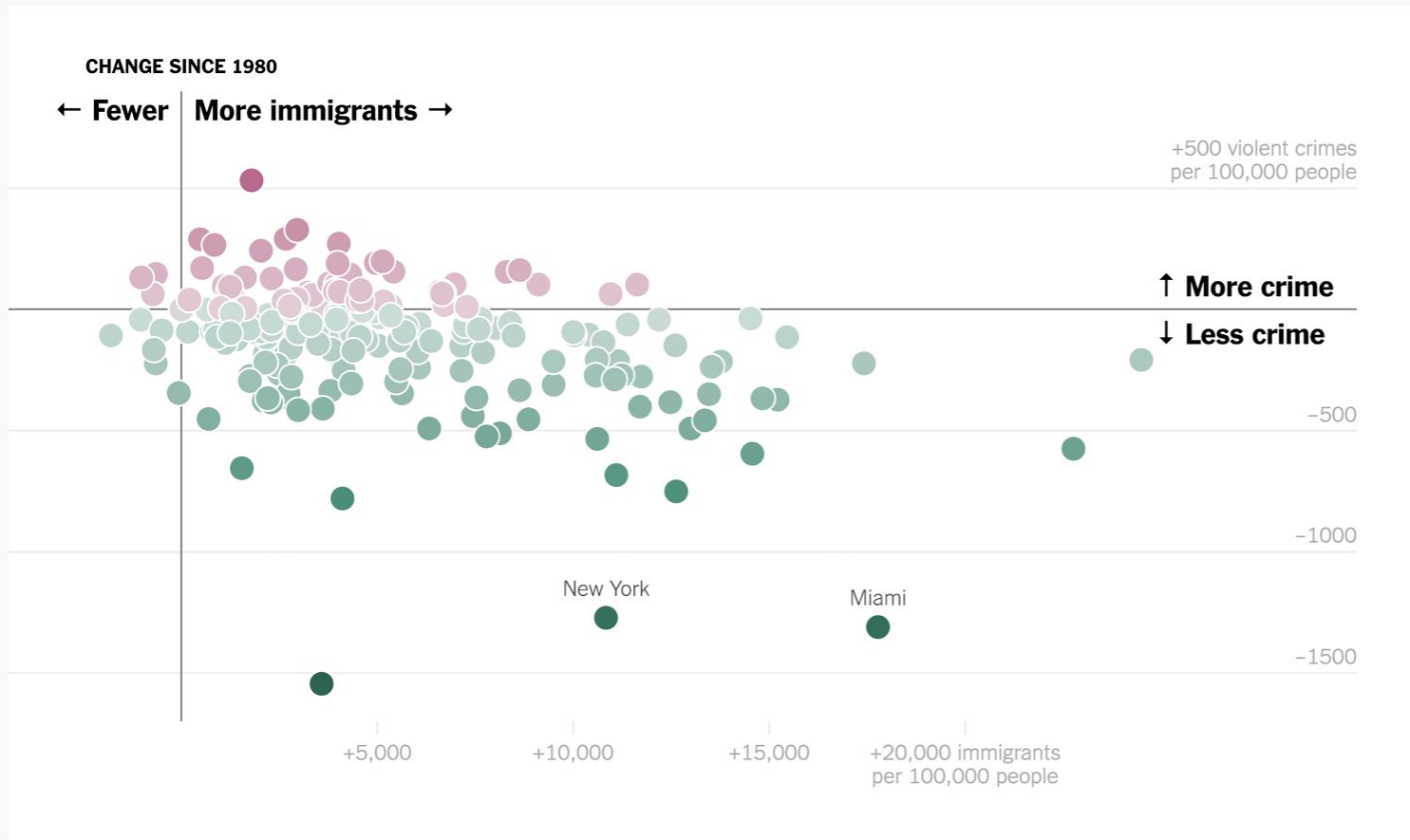


2 Formulierung

“The Myth of the Criminal Immigrant”, New York Times, 2018

2 Formulierung

“The Myth of the Criminal Immigrant”, New York Times, 2018



Sei verständlich.

2 Formulierung

@lisacrost

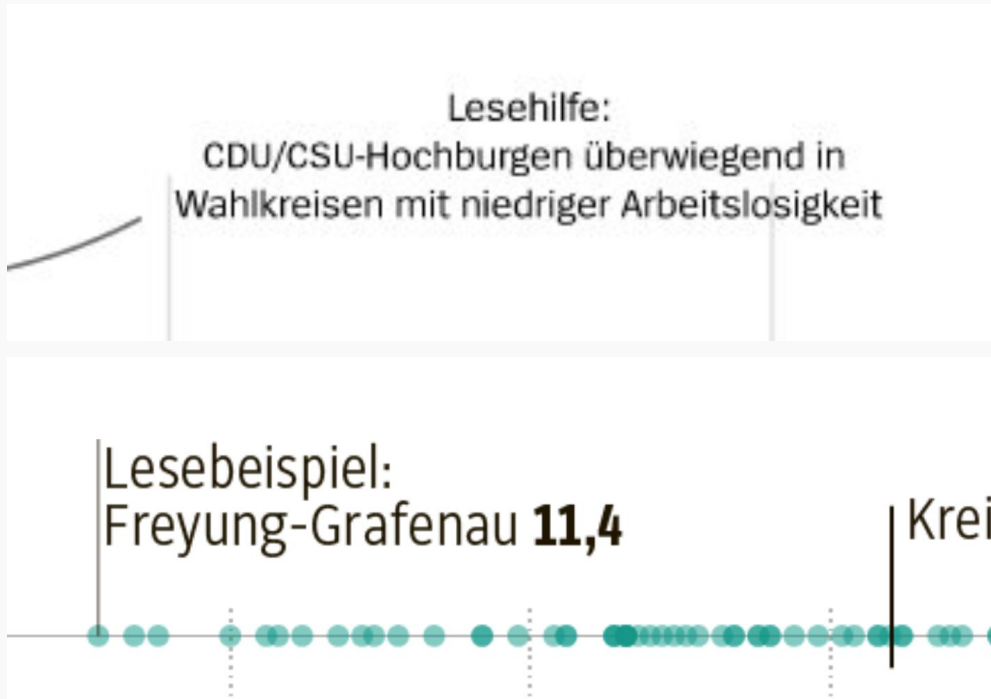
Sei wichtig.

2 Formulierung

@lisacrost

Sei wichtig.

Brauen wir "Lesehilfen"?



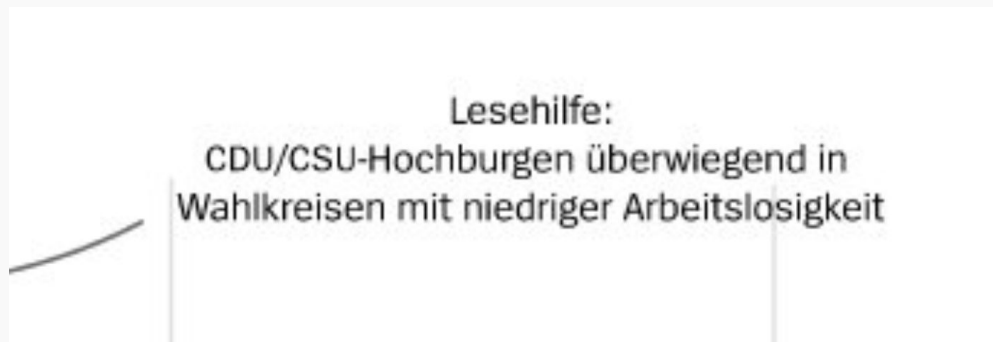
Sei wichtig.

Brauen wir "Lesehilfen"?

Nein.

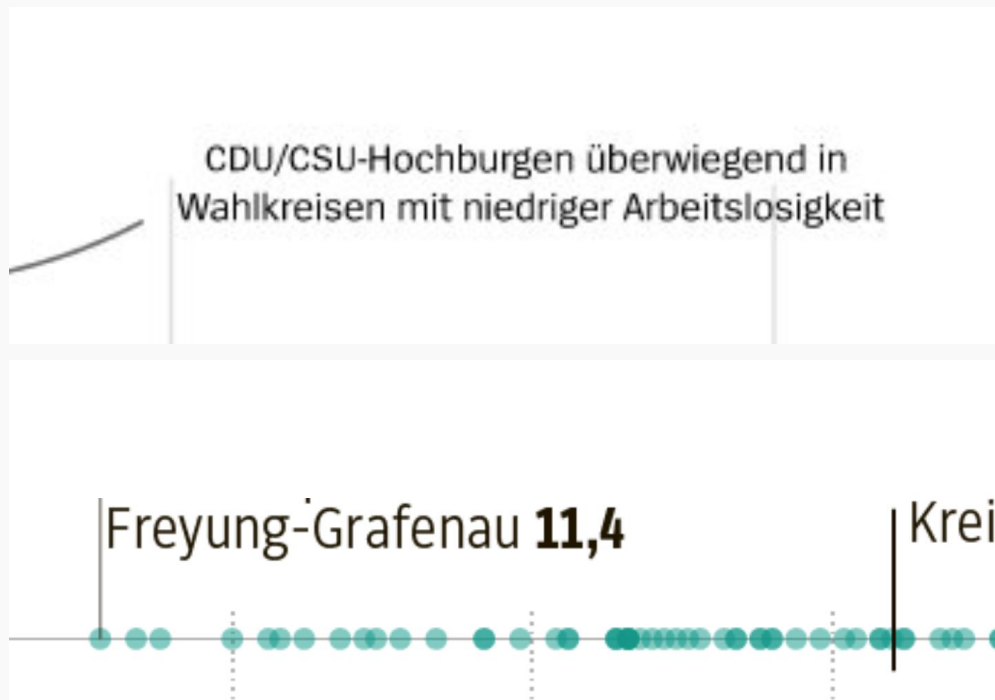
Sei wichtig.

Brauen wir "Lesehilfen"?



Sei wichtig.

Brauen wir "Lesehilfen"?



Sätze sind gut.

Sätze sind gut.

Brauchen wir Verben?

2 Formulierung



Sätze sind gut.

Brauchen wir Verben?

2 Formulierung



Sätze sind gut.

Brauchen wir Verben?

Schlecht

sind sie

nicht.

Sätze sind gut.

Brauchen wir Verben?

2 Formulierung

nen lachen über die Redner

FDP	Union	SPD	Grüne

Die AfD lacht 68 Mal bei der Union.



1 Inhalt

2 Formulierung

3 Platzierung & Formatierung

**Erinnere Leser*innen daran,
was sie sehen.**

**3 Platzierung
& Formatierung**

Harter Brexit

Weicher Brexit

-2821 Euro  -5 Euro

Scrollen
aktivieren

Region North Yorkshire

Großbritannien

-698 €

jährlicher Verlust
pro Einwohner

Gesamt: -566 Mio. €

3 Platzierung & Formatierung

“Wo Europa nach dem Brexit das meiste Geld verliert”, Berliner Morgenpost, 2019

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Weicher Brexit

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Scrollen
aktivieren

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Scrollen
aktivieren

Region North Yorkshire

Großbritannien

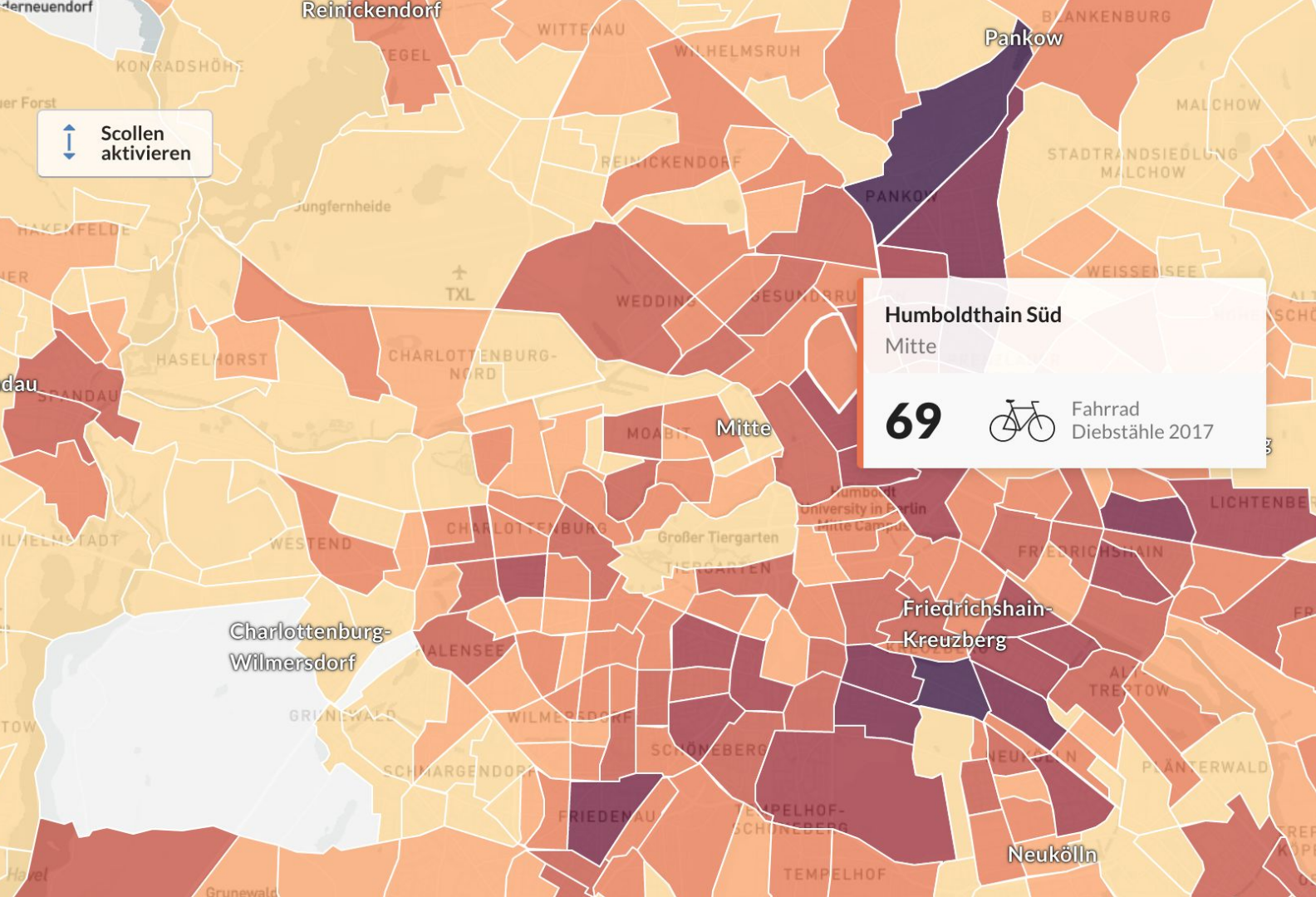
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“Wo Europa nach dem Brexit das meiste Geld verliert”, Berliner Morgenpost, 2019



3 Platzierung & Formatierung

“Fahrraddiebstähle in Berlin - alle Kieze, alle Fälle”, Berliner Morgenpost, 2018

Time at weekends vs weekdays

Comparing **weekends** vs **weekdays**, by time of day (%)

TV/VIDEO/AUDIO

People spend more time watching TV and listening to radio/music **at the weekend**



represents people
at this time
weekdays and weekends

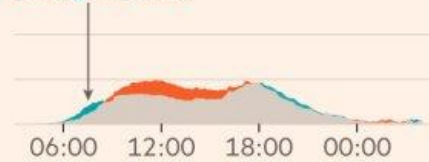
PAID WORK

The dual humps of mornings and afternoons at work are clear **during the week**



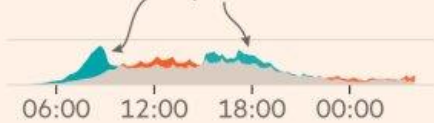
HOUSEHOLD TASKS

People cram more chores into the early hours **during the week**



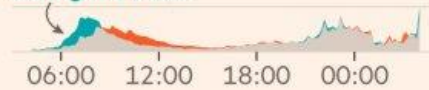
TRAVEL

The **weekday** rush-hour spikes in travel are clear

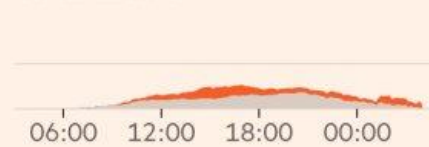


PERSONAL CARE

People shower earlier **during the week**



SOCIALISING



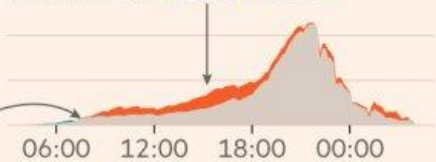
3 Platzierung & Formatierung

The truth about weekend working, Financial Times, 2020

Time at weekends vs weekdays

TV/VIDEO/AUDIO

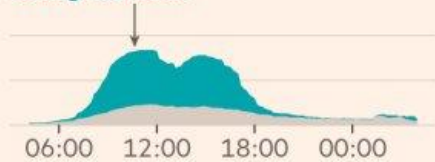
People spend more time watching TV and listening to radio/music **at the weekend**



represents people
at this time
weekdays and weekends

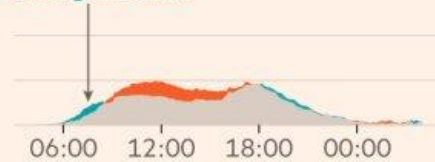
PAID WORK

The dual humps of mornings and afternoons at work are clear **during the week**



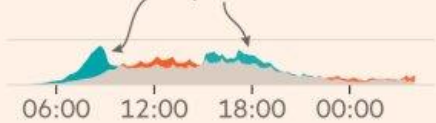
HOUSEHOLD TASKS

People cram more chores into the early hours **during the week**



TRAVEL

The **weekday** rush-hour spikes in travel are clear



PERSONAL CARE

People shower earlier **during the week**



SOCIALISING



3 Platzierung & Formatierung

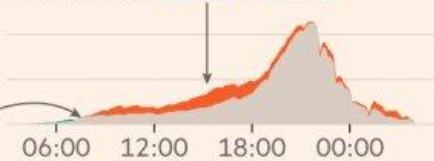
The truth about weekend working, Financial Times, 2020

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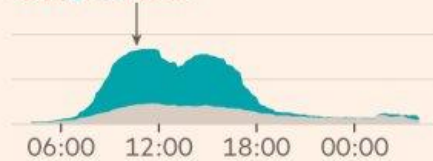
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represents people
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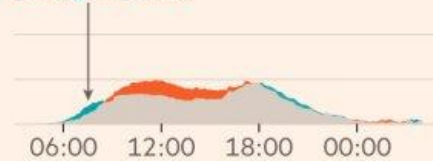
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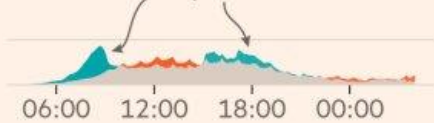
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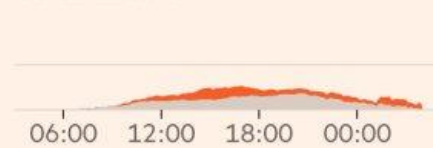


PERSONAL CARE

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SOCIALISING



3 Platzierung & Formatierung

The truth about weekend working, Financial Times, 2020

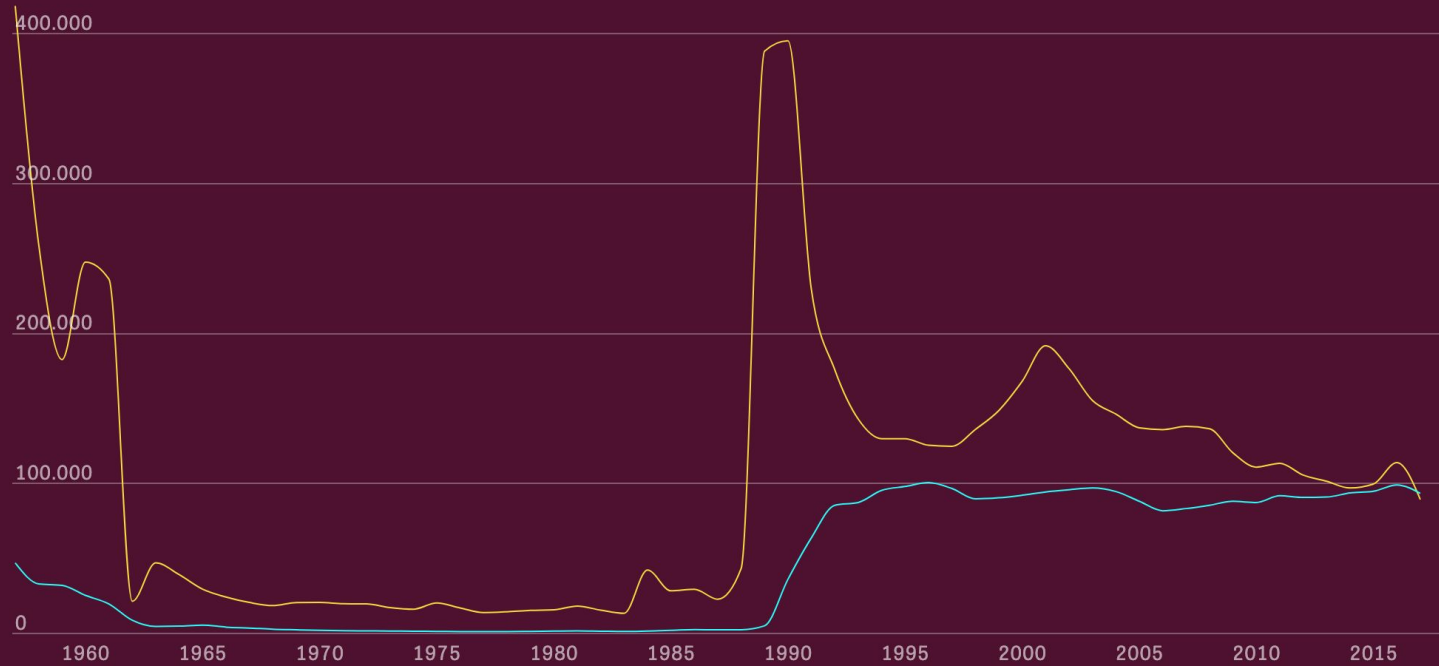
**Man macht seine Visualisierung
dadurch nicht dümmer.**

Man macht sie einfacher zu lesen.

Vermeide **Augenwandern**
bei Leser*innen.

3 Platzierung
& Formatierung

● Wanderungen von Ost nach West ● Wanderungen von West nach Ost

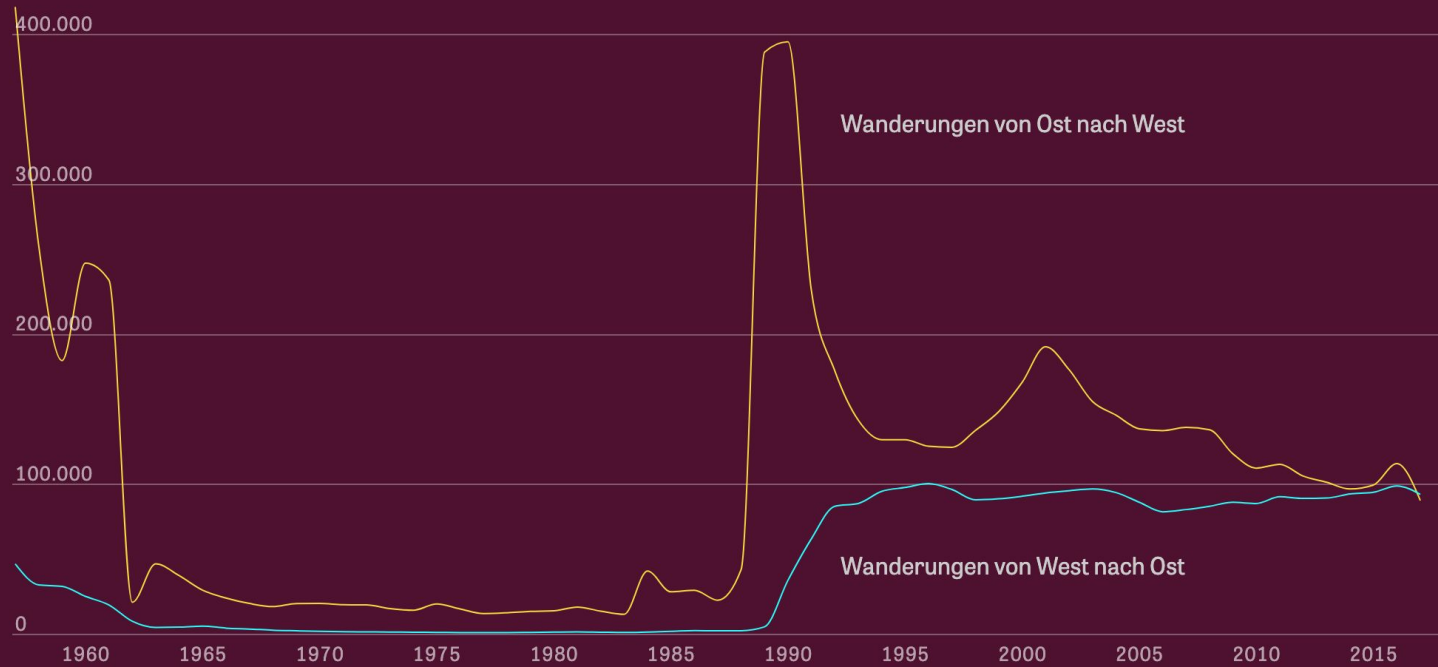


3 Platzierung & Formatierung

“Die Millionen, die gingen”, ZEIT Online, 2019

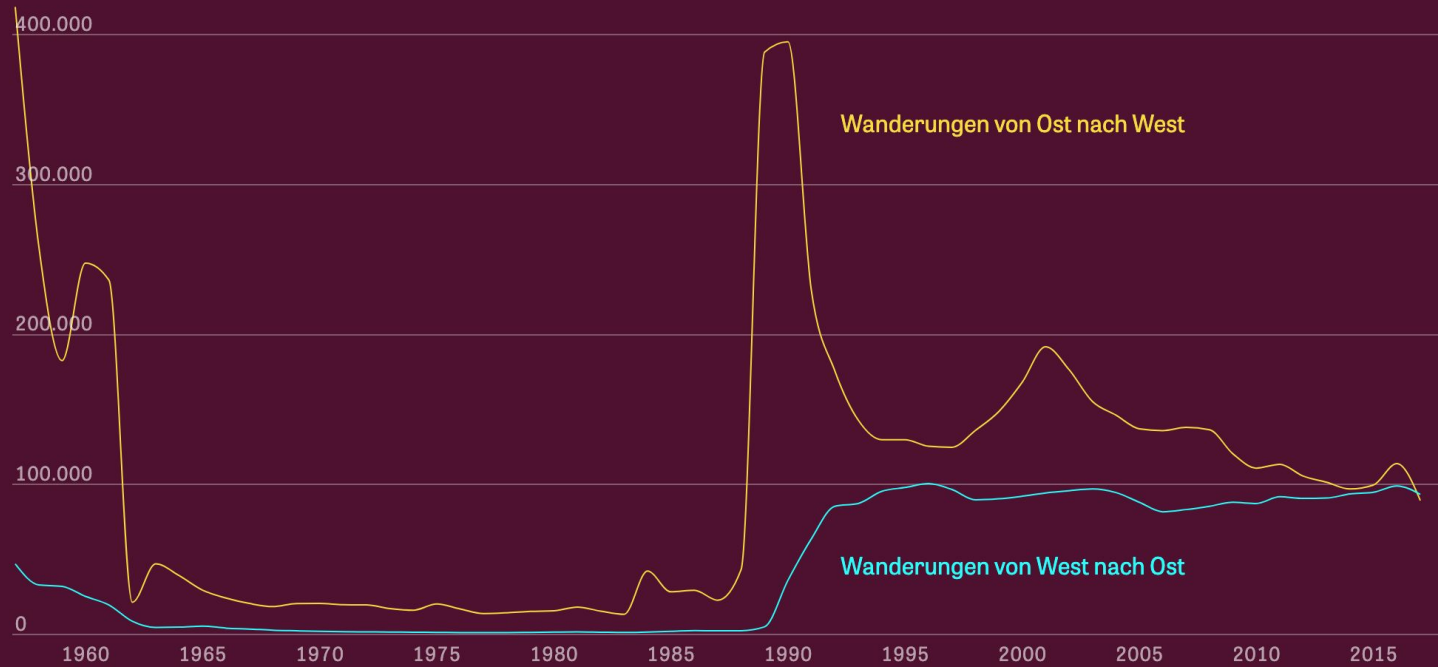
3 Platzierung & Formatierung

“Die Millionen,
die gingen”, ZEIT
Online, 2019



3 Platzierung & Formatierung

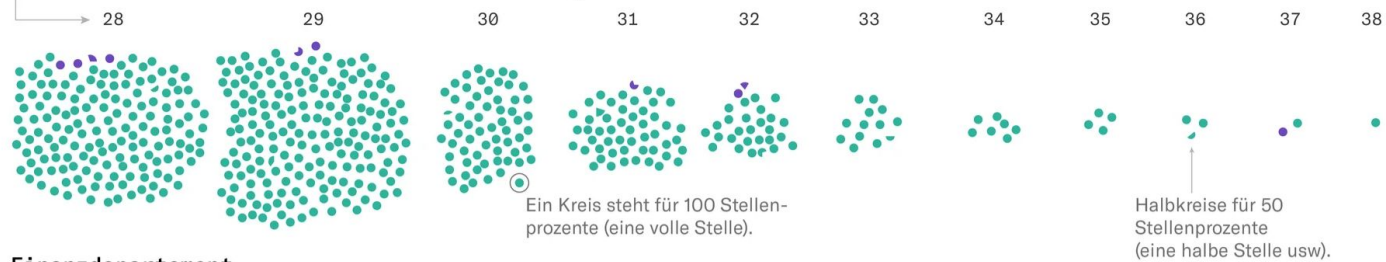
“Die Millionen,
die gingen”, ZEIT
Online, 2019



Wie viele Frauen in Führungspositionen wie vielen Männern gegenüberstehen

Verteidigung, Bevölkerungsschutz und Sport

Lohnklassen 28 und höher sind für Leiter und Leiterinnen einer Organisationseinheit.



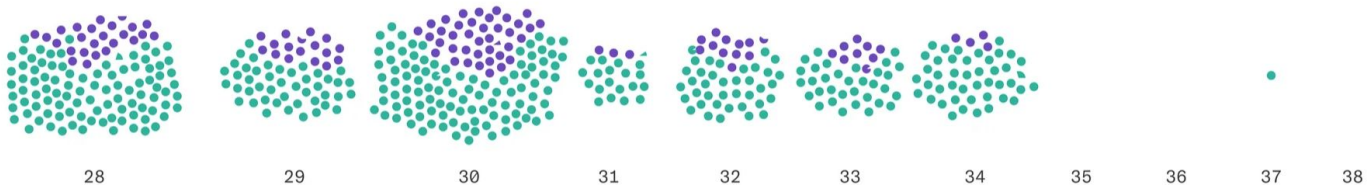
Finanzdepartement



Wirtschaft, Bildung und Forschung



Departement für auswärtige Angelegenheiten



3 Platzierung & Formatierung

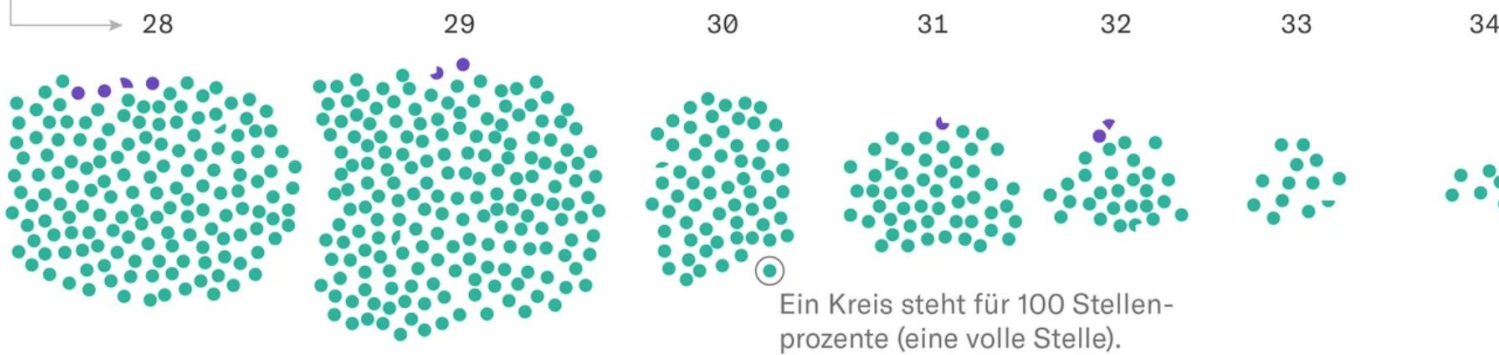
Bundesdepartem
ente: Für Frauen
sind die
Sprossen auf der
Karriereleiter
rutschig, NZZ,
2019

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3 Platzierung & Formatierung

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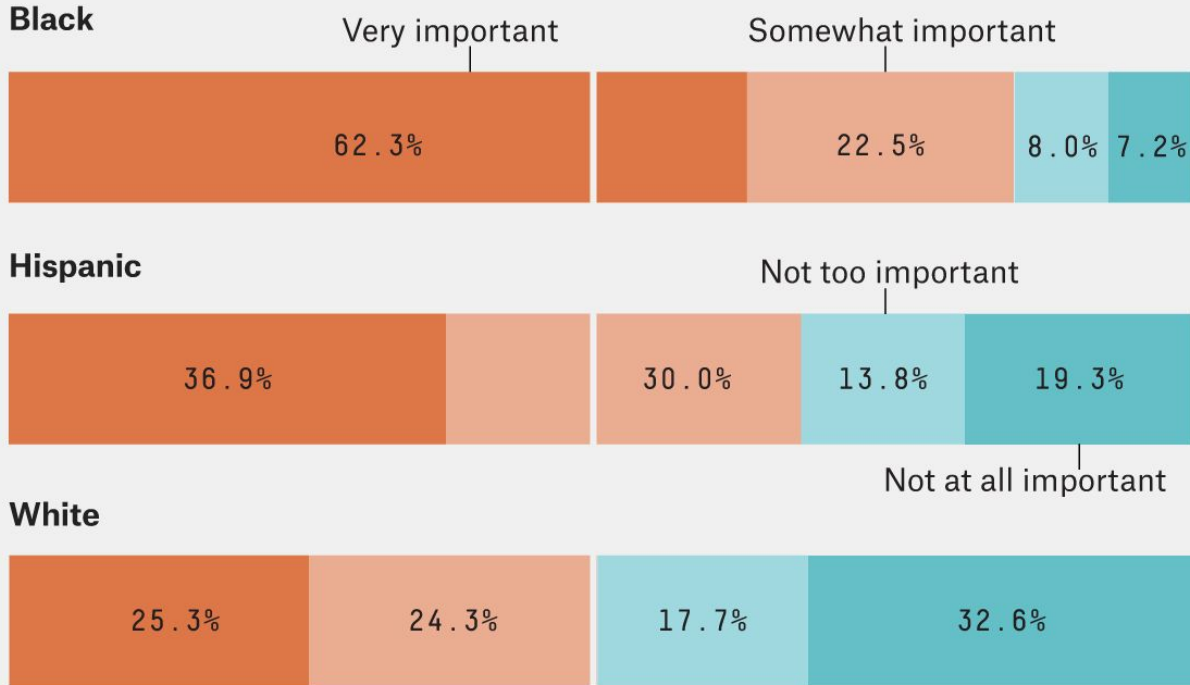


Wirtschaft, Bildung und Forschung



Democrats of color are the most religiously engaged

Share of Democratic primary voters by how important religion is to them, by race



3 Platzierung & Formatierung

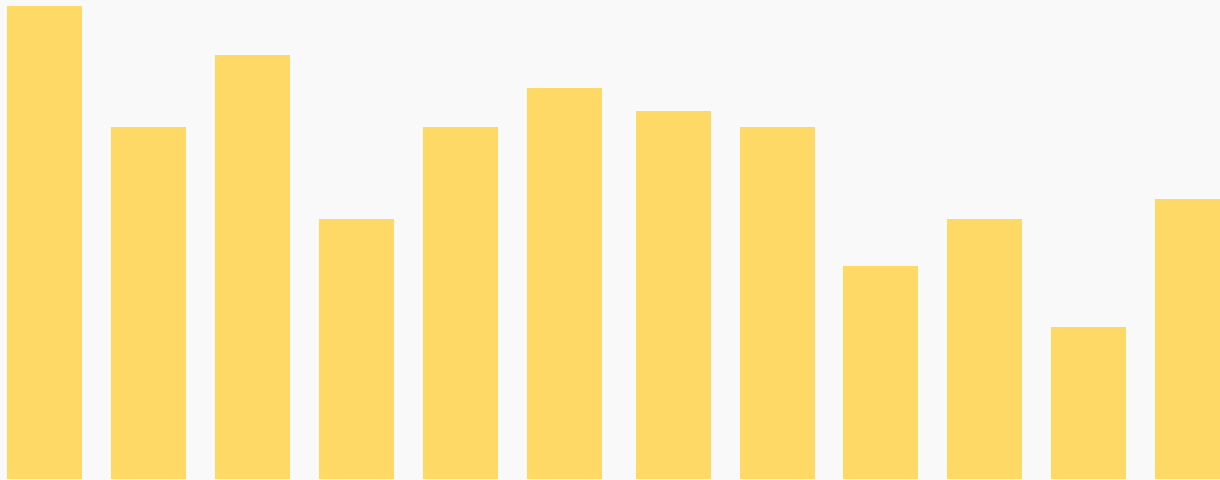
Why Democrats Struggle To Mobilize A 'Religious Left', FiveThirtyEight, 2019

Design: Entscheiden, was
Leser*innen als erstes,
zweites, drittes sehen sollen.

Das als letztes

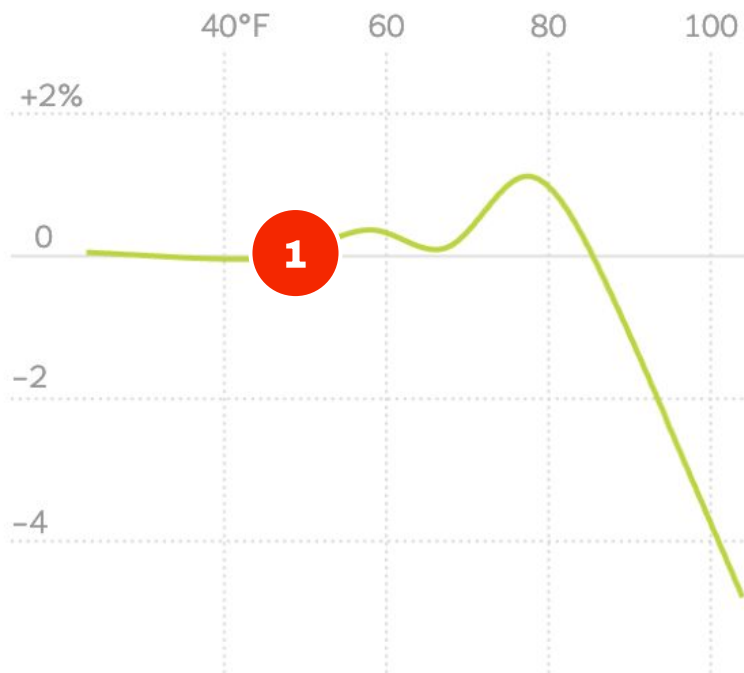
Das liest du als erstes

Das hier als zweites



And crop yields plunge.

Change in annual U.S. corn yield (bushels per acre) relative to 32°F day, 1950 to 2015.



1

“Colors! A shape!
Shiny!”

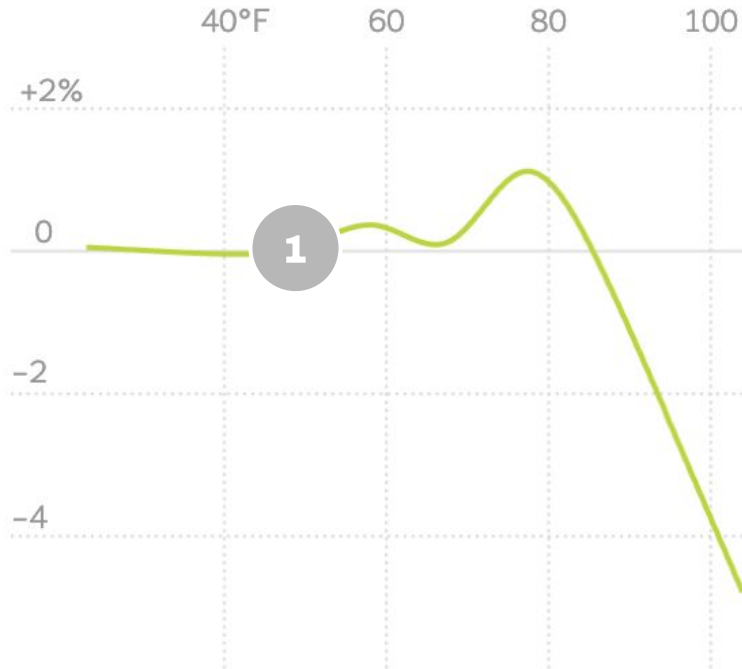
3 Platzierung
& Formatierung

NYT, June 2017

@lisacrost

And crop yields plunge.

Change in annual U.S. corn yield (bushels per acre) relative to 32°F day, 1950 to 2015.



1

“Colors! A shape! Shiny!”

2

“What does it show me?”

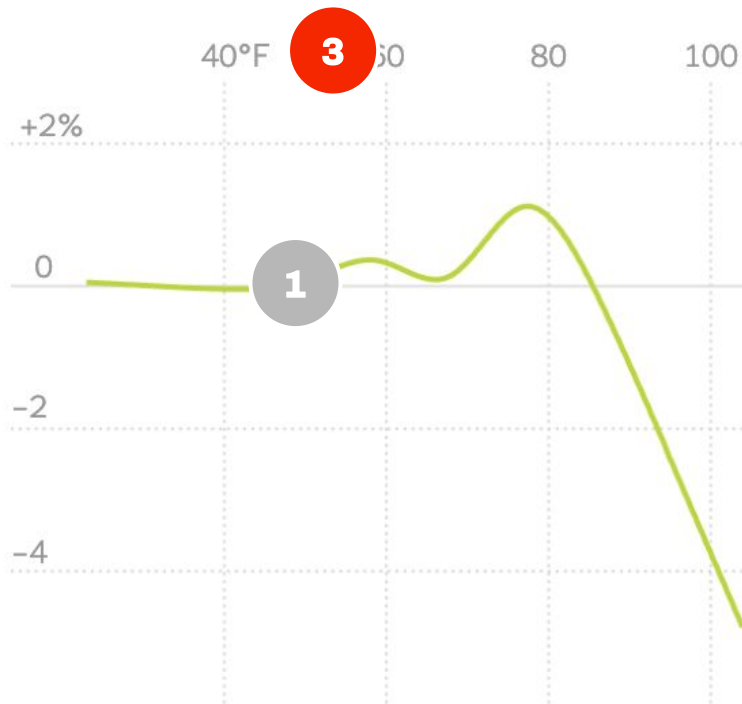
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“What does it show me?”

3

“Wait, so that’s over time? What are the metrics? Ah, temperature.”

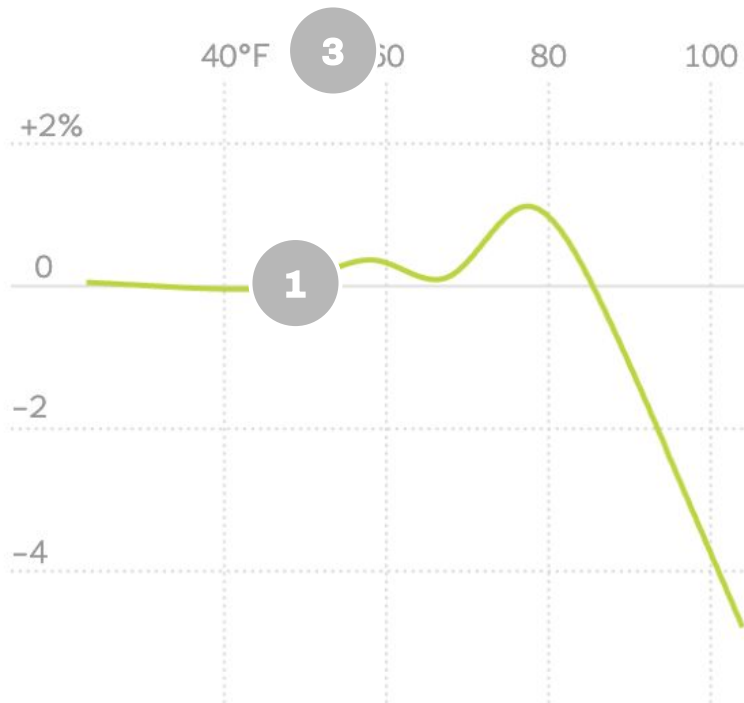
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NYT, June 2017

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“Colors! A shape! Shiny!”

2

“What does it show me?”

3

“Wait, so that’s over time? What are the metrics? Ah, temperature.”

4

“I still don’t understand.”

3 Platzierung
& Formatierung

NYT, June 2017

@lisacrost

**“Please see
this first.”**

1

“Colors! A shape!
Shiny!”

**“Please see
this second.”**

2

“What does it show
me?”

**“Please see
this third.”**

3

“Wait, so that’s over
time? What are the
metrics? Ah,
temperature.”

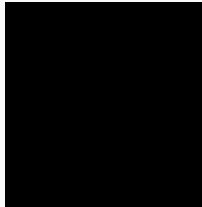
**“I don’t care if
you see this.”**

4

“I still don’t
understand.”

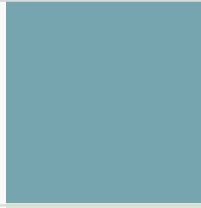
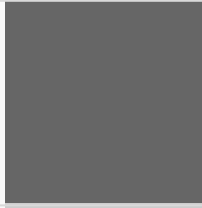
**“Please see
this first.”**

1



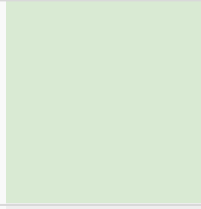
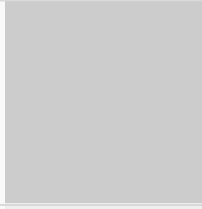
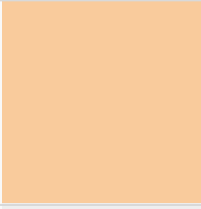
**“Please see
this second.”**

2



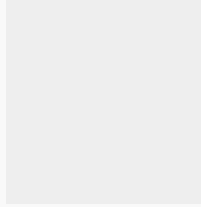
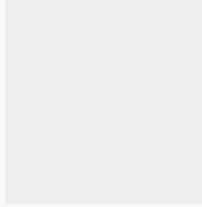
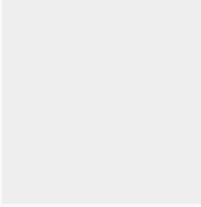
**“Please see
this third.”**

3



**“I don’t care if
you see this.”**

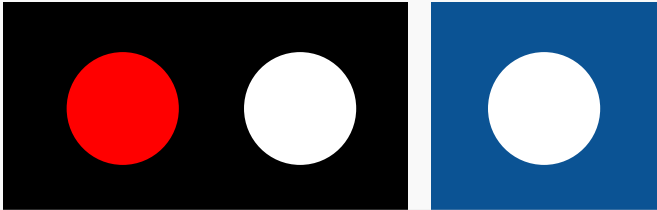
4



3 Platzierung
& Formatierung

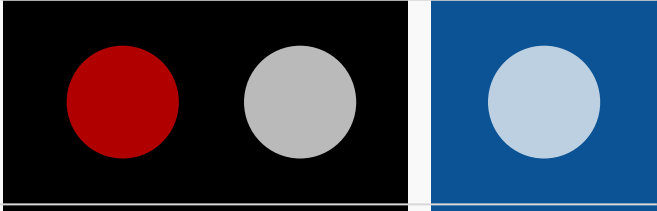
**“Please see
this first.”**

1



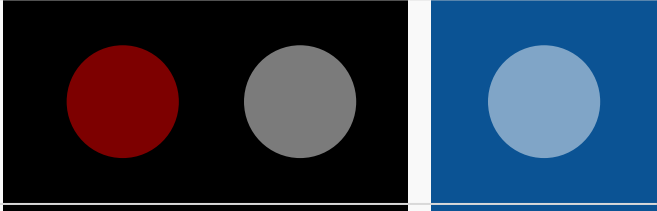
**“Please see
this second.”**

2



**“Please see
this third.”**

3



**“I don't care if
you see this.”**

4



**“Please see
this first.”**

1



**“Please see
this second.”**

2



**“Please see
this third.”**

3



**“I don't care if
you see this.”**

4



**“Please see
this first.”**

1

This is important.

**“Please see
this second.”**

2

This? Not so super important

**“Please see
this third.”**

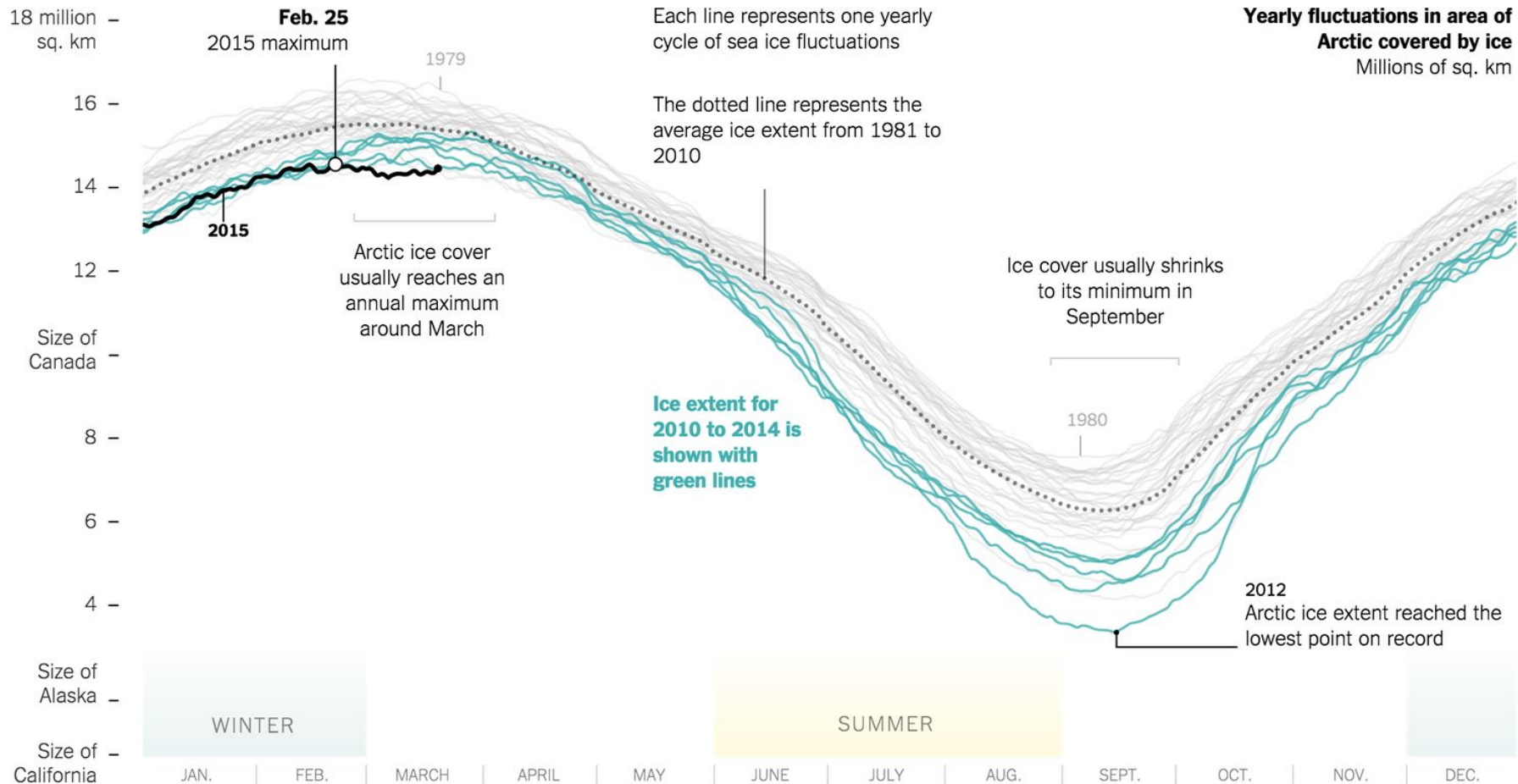
3

Even less important

**“I don’t care if
you see this.”**

4

I’m so unimportant, you wouldn’t believe it

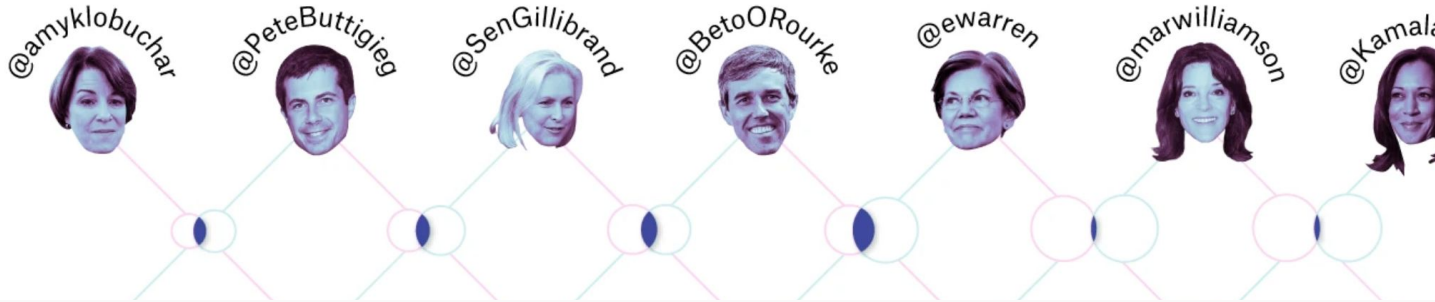


Hab **Spaß.**

**3 Platzierung
& Formatierung**

The Venn diagrams of the 2020 Twitter

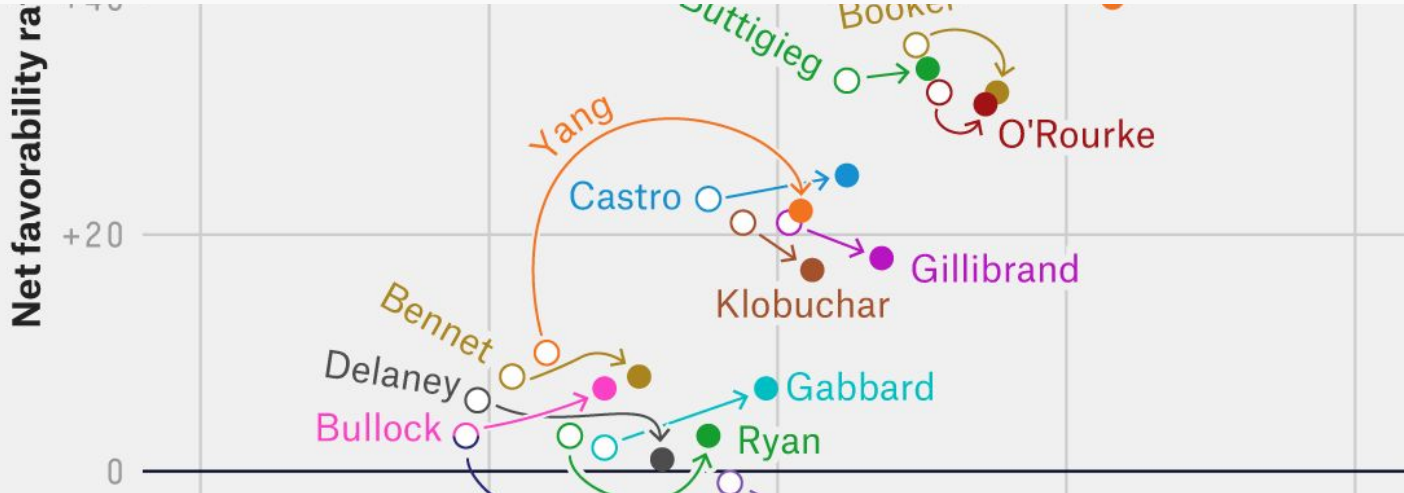
Shared Twitter followers between pairs of Democratic presidential candidates w



3 Platzierung & Formatierung

Which 2020 Candidates Have The Most In Common ... On Twitter?, FiveThirtyEight, 2019

After Two Debates, Warren Is Getting More Popular, FiveThirtyEight, 2019



1 Inhalt

2 Formulierung

3 Platzierung & Formatierung



ux writing

UX job UX book

uxplanet.org > the-rise-of-the-ux-writer-8beb836c13f1

The Rise of the UX Writer - UX Planet

Jan 21, 2019 - If you've been paying attention to the biggest UX design trends predicted for 2019 , you'll no doubt have heard about the rise of **UX writing**.

uxdesign.cc > ux-writing-ux-copywriting-content-strategy-and-conten...

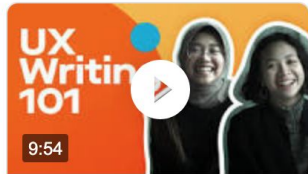
UX Writing, UX Copywriting, Content Strategy, and Content ...

Nov 5, 2018 - A **UX writer** is someone who writes for **user experience**. **UX writers** write the words we read or hear when we use a digital product. Their texts must be clear, concise, and useful. Their goal is to help and guide the user.

Videos



UX Writing in 60 seconds!



UX Writing 101: How to Write for an App



What is UX Writing – with freelance writer Owen Williams



uxplanet.org › the-rise-of-the-ux-writer-8beb836c13f1
The Rise of the ~~UX~~ Writer - UX Planet

Jan 21, 2019 - If you've been paying attention to the biggest UX design trends predicted for 2019, you'll no doubt have heard about the rise of **UX writing**.

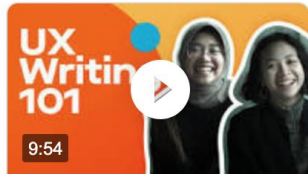
uxdesign.cc › ux-writing-ux-copywriting-content-strategy-and-conten...
~~UX~~ Writing, ~~UX~~ Copywriting, Content Strategy, and Content ...

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Videos



Data Vis
~~UX~~ Writing in 30 seconds!



Data Vis
~~UX~~ Writing 101: How to Write for an ~~App~~
Data Vis



Data Vis
~~UX~~ Writing – with freelance writer Owen Williams

1 Inhalt

2 Formulierung

3 Platzierung & Formatierung

Vielen Dank!

@lisacrost
lisacharlotterost@gmail.com
lisacharlotterost.de

1 Inhalt

2 Formulierung

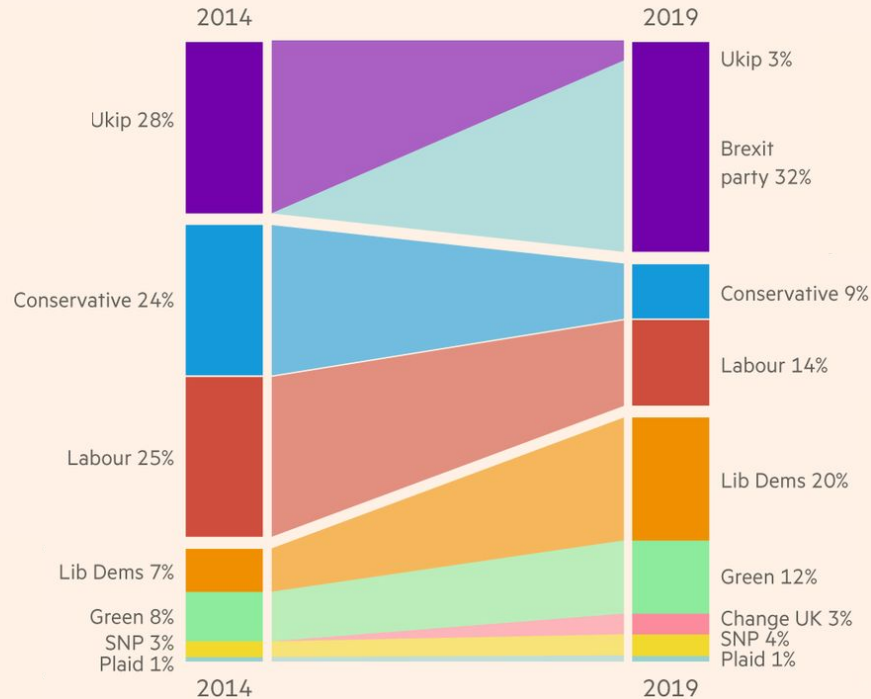
3 Platzierung & Formatierung

Vielen Dank!

@lisacrost
lisacharlotterost@gmail.com
lisacharlotterost.de

The established parties have been squeezed out by those with a firmer position on Brexit

Vote share, 2014 vs 2019 (%)
11 out of 12 regions reporting



How to improve
readability?

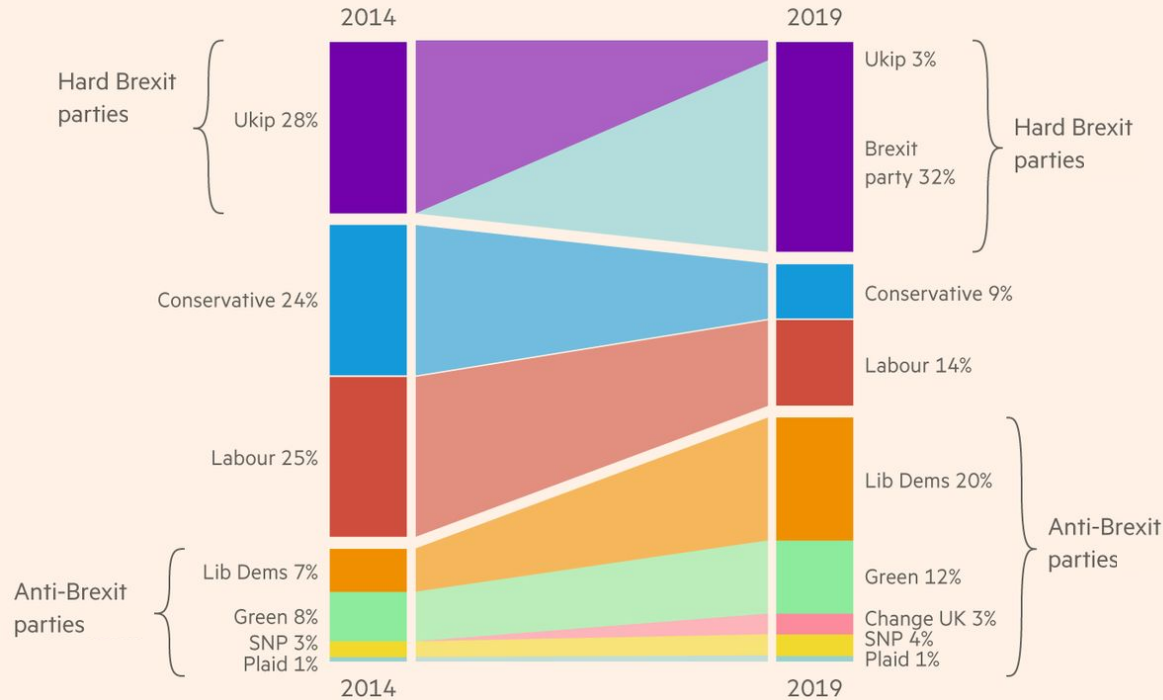
Use elements
& colors that
are intuitive
for your
readers.

Financial Times, 2019

@lisacrost

The established parties have been squeezed out by those with a firmer position on Brexit

Vote share, 2014 vs 2019 (%)
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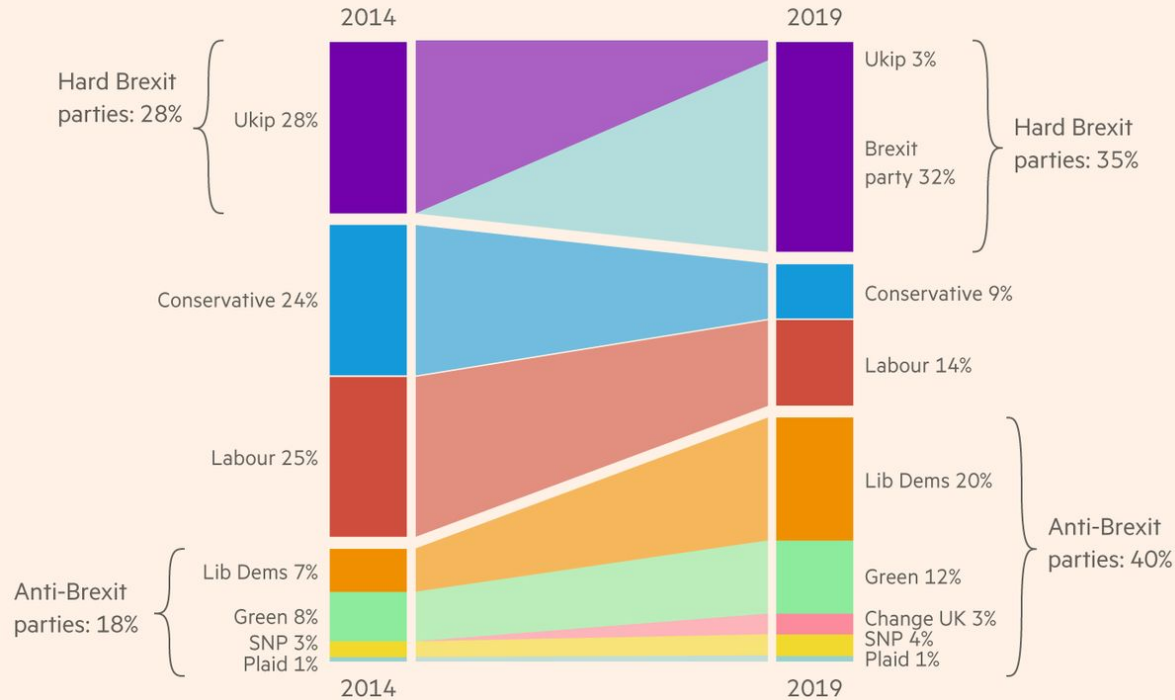
How to improve **readability?**

Use elements & colors that are intuitive for your readers.

Financial Times, 2019

The established parties have been squeezed out by those with a firmer position on Brexit

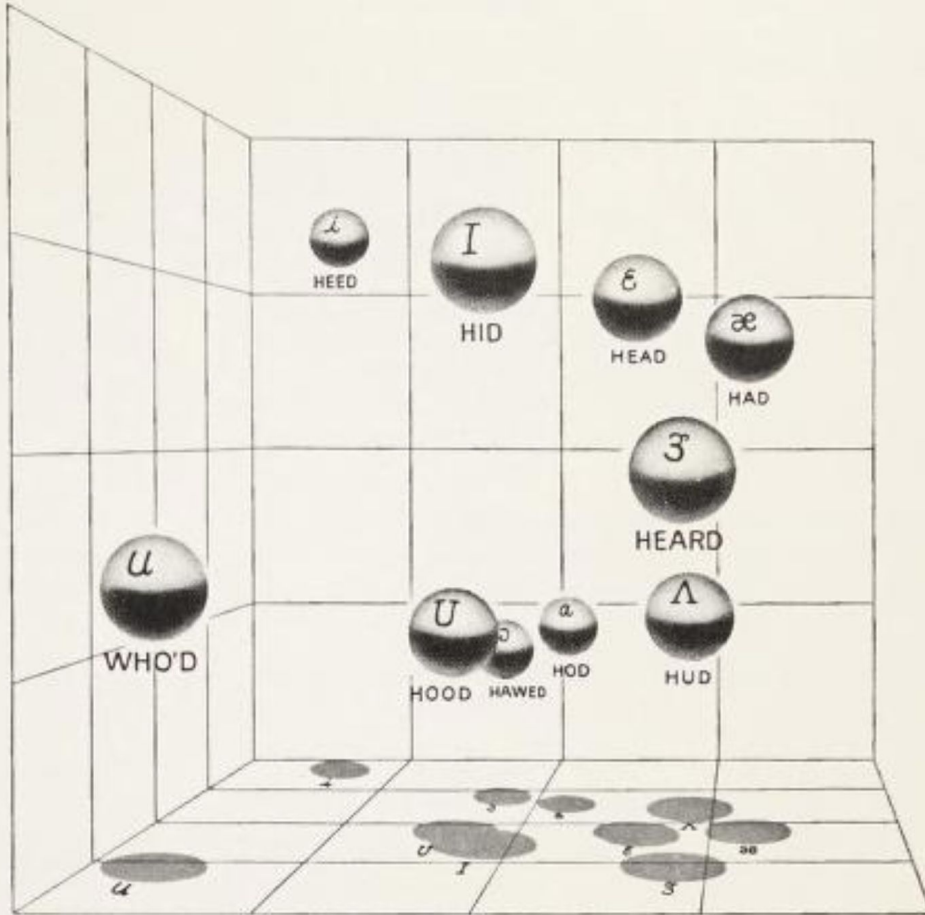
Vote share, 2014 vs 2019 (%)
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How to improve **readability?**

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Financial Times, 2019

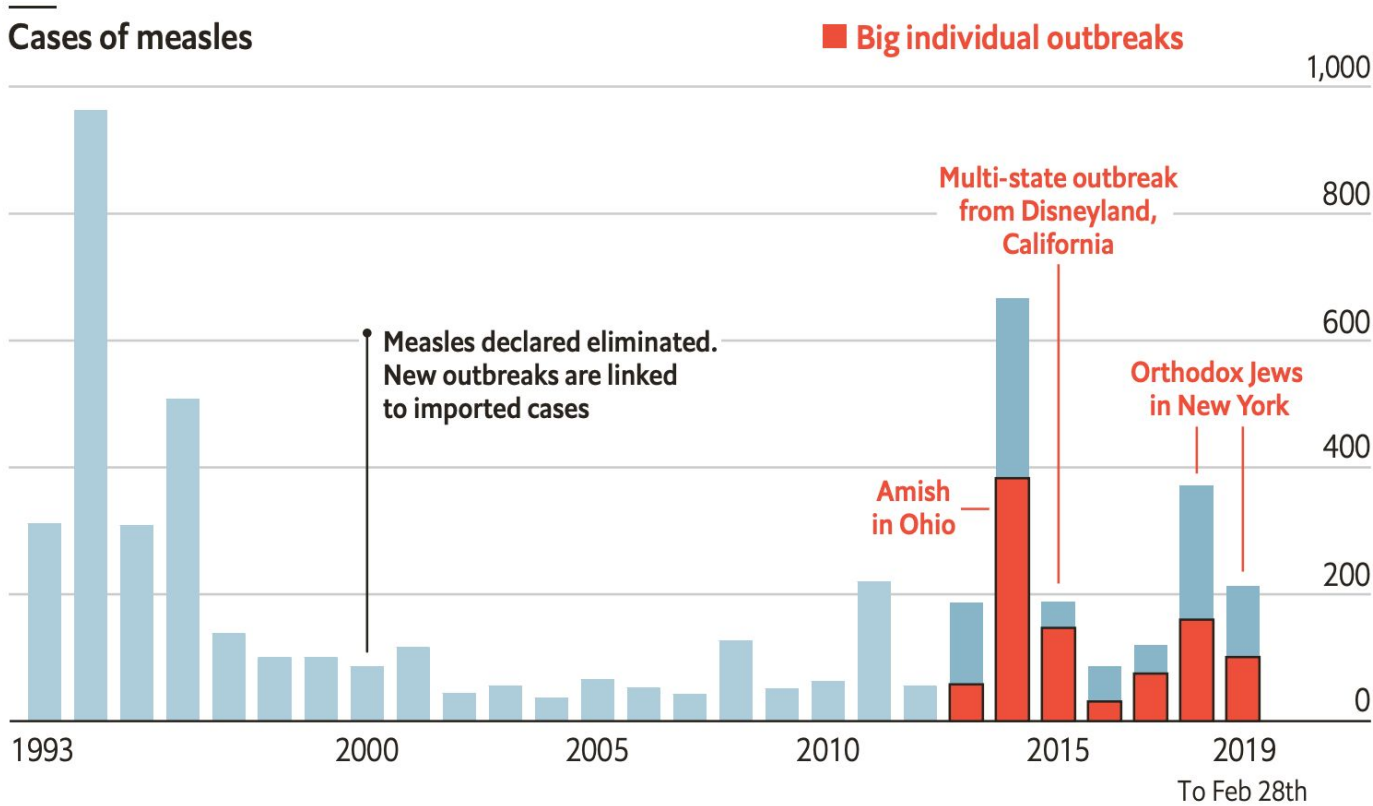


Outlier

Diagrams: a visual survey of graphs, maps, charts and diagrams for the graphic designer, Arthur Lockwood, 1969

Outlier

Fever Pitch,
Graphic Detail,
The Economist,
2019



F u u u u u u

u u u u u u u

u u u n

no emphasis

This is an important headline
This is just a description.

bolder

This is an important headline
This is just a description.

darker

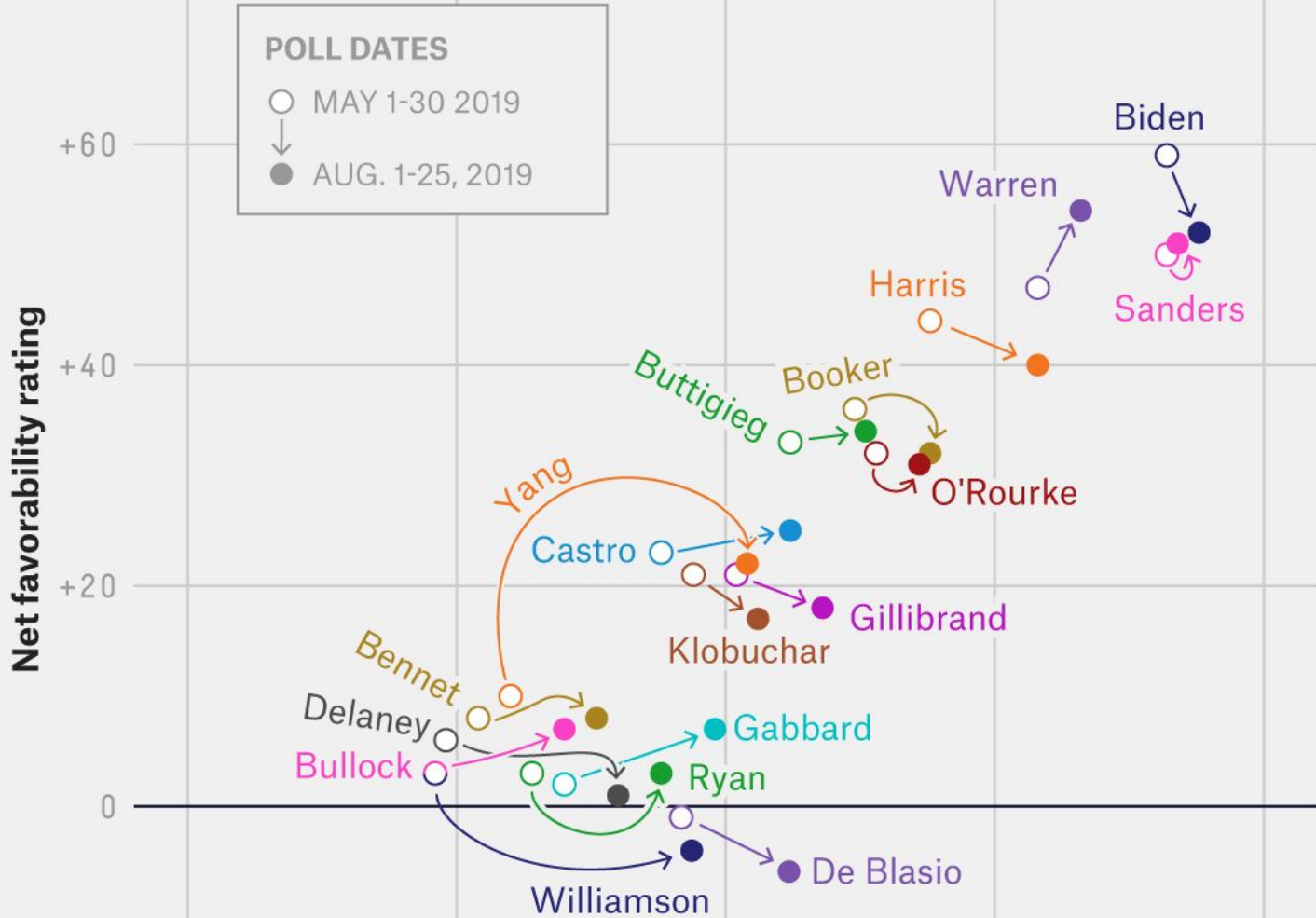
This is an important headline
This is just a description.

bigger

This is an important headline
This is just a description.

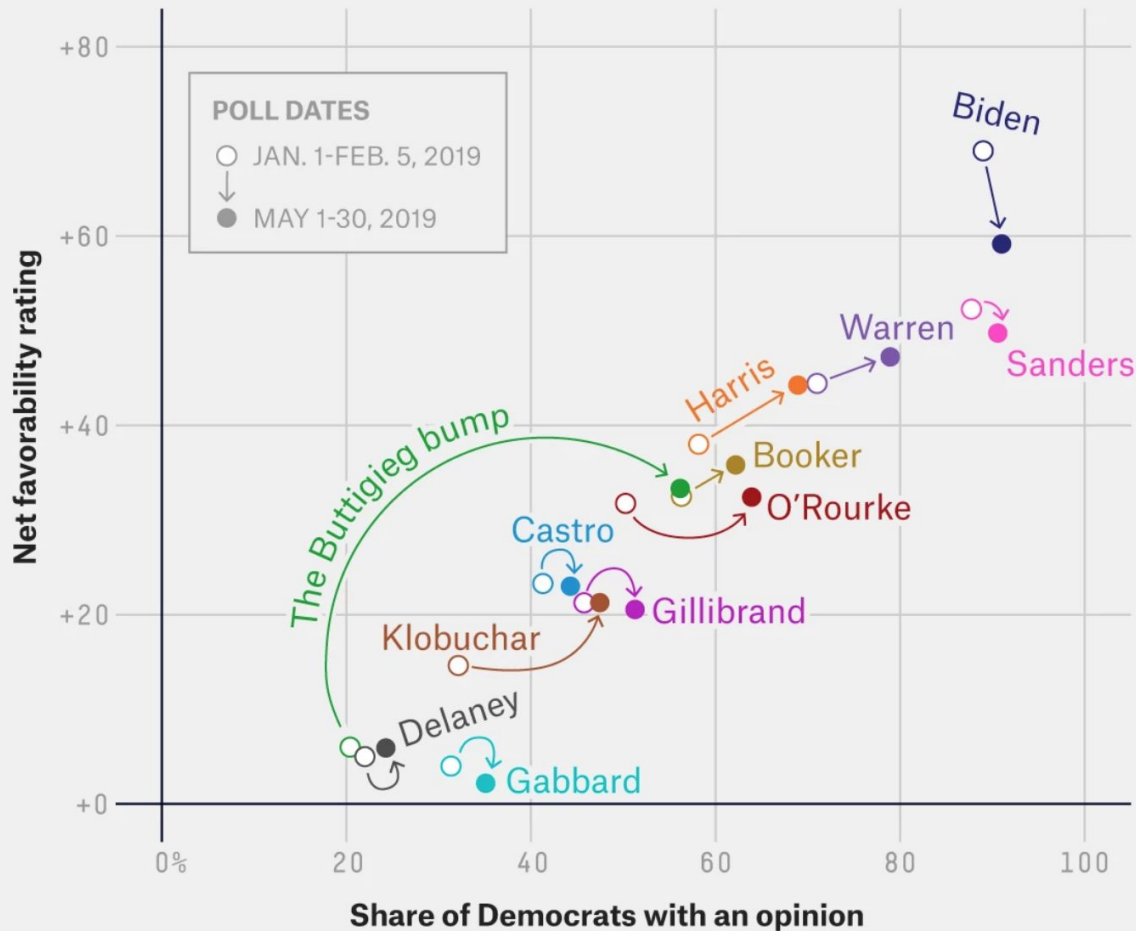
How to
improve
readability?

Format text to
create visual
hierarchies
& to make it
skimmable.



Outlier

After Two Debates, Warren Is Getting More Popular, FiveThirtyEight, 2019

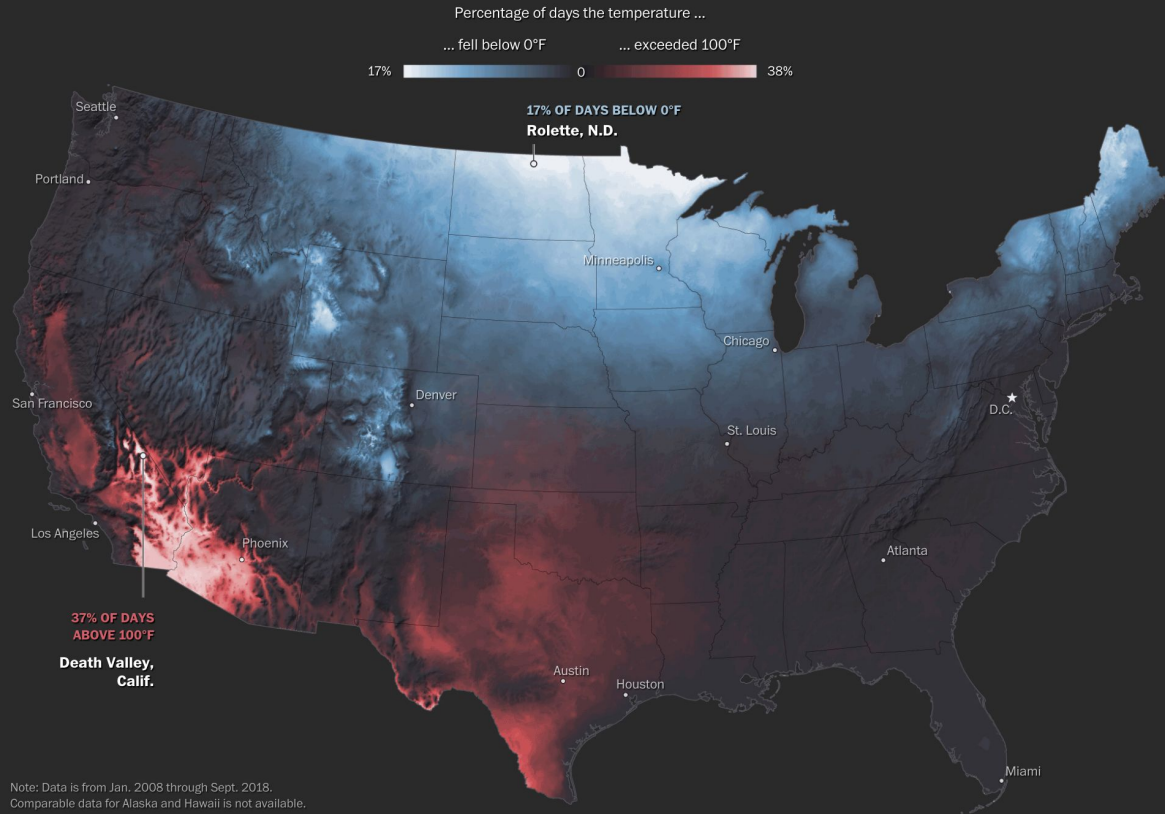


How to improve **readability?**

Format text to create visual hierarchies & to make it skimmable.

“Which 2020 Candidates Are More (Or Less) Popular Than They ‘Should’ Be?”, FiveThirtyEight, 2019

EXTREME HEAT AND COLD



Note: Data is from Jan. 2008 through Sept. 2018.
Comparable data for Alaska and Hawaii is not available.

Outlier

Mapping
America's wicked
weather and
deadly disasters,
Washington Post,
2019

San Francisco

Denver

Los Angeles

Phoenix

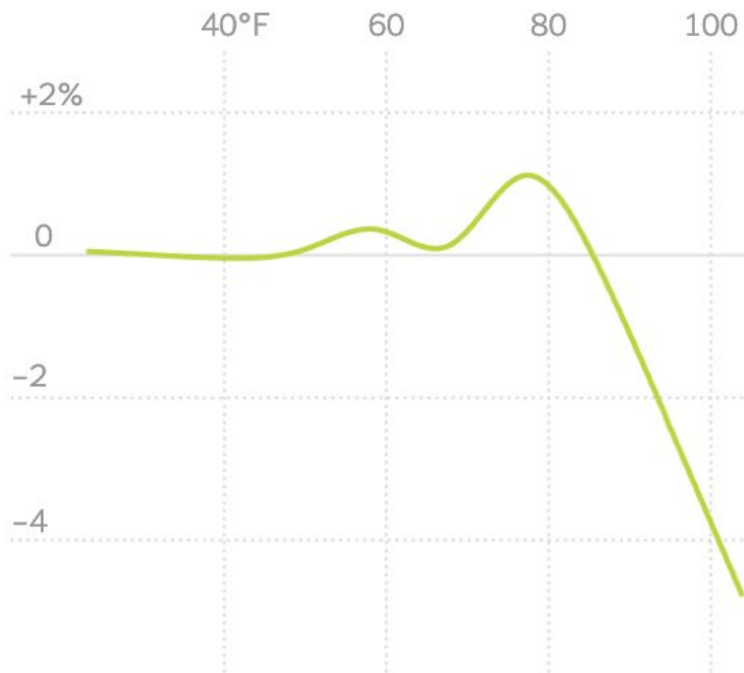
**37% OF DAYS
ABOVE 100°F**
**Death Valley,
Calif.**

Outlier

Mapping
America's wicked
weather and
deadly disasters,
Washington Post,
2019

And crop yields plunge.

Change in annual U.S. corn yield (bushels per acre) relative to 32°F day, 1950 to 2015.



NYT, June 2017

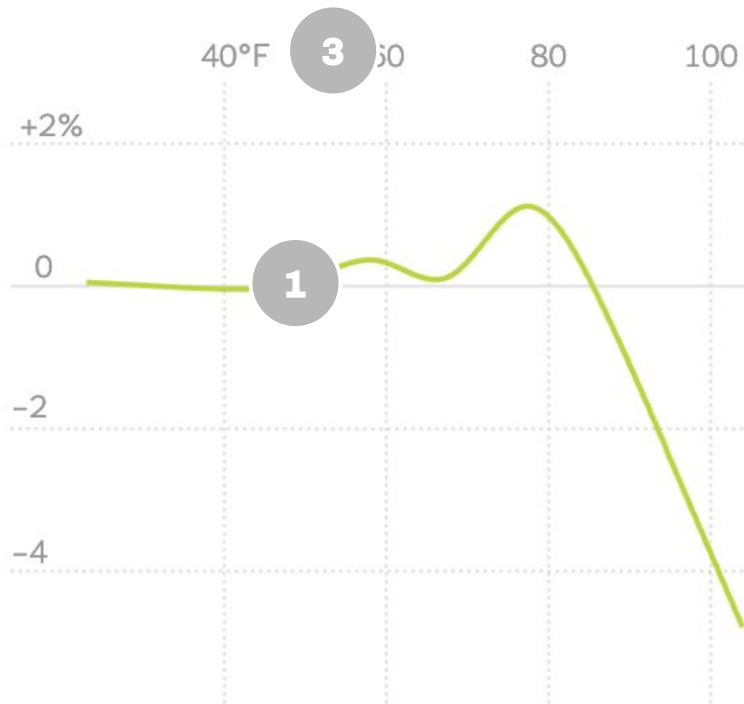
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@lisacrost

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1

“Colors! A shape! Shiny!”

2

“What does it show me?”

3

“Wait, so that’s over time? What are the metrics? Ah, temperature.”

4

“I still don’t understand.”

How to improve **readability?**

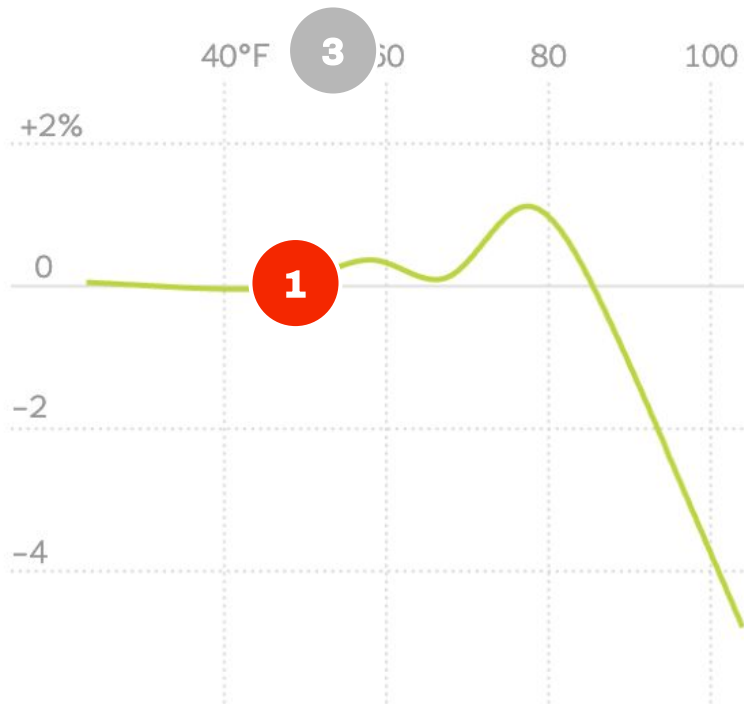
Format text to create visual hierarchies & to make it skimmable.

NYT, June 2017

@lisacrost

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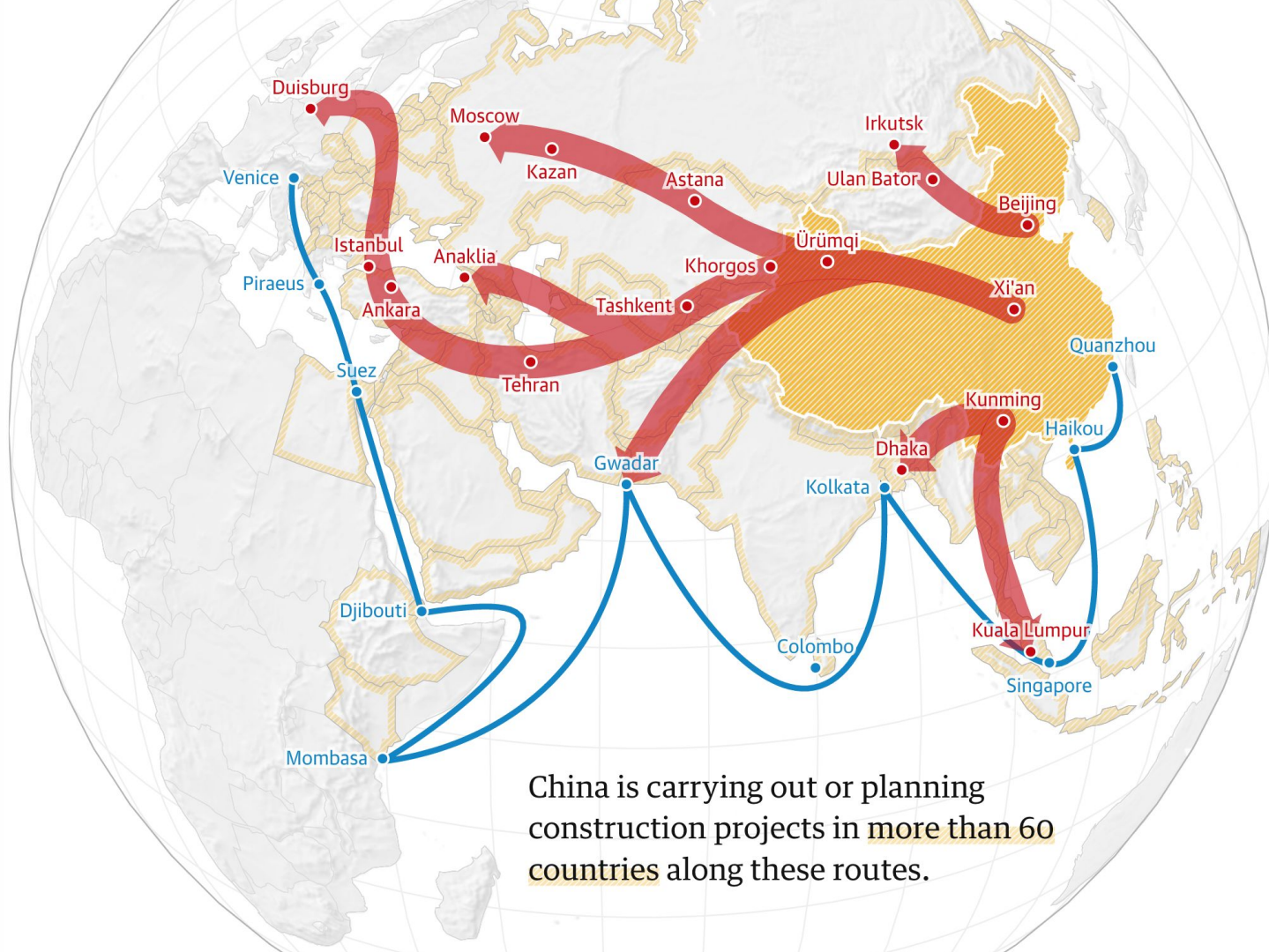
“Wait, so that’s over time? What are the metrics? Ah, temperature.”

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How to improve **readability?**

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Labels as parts of statements

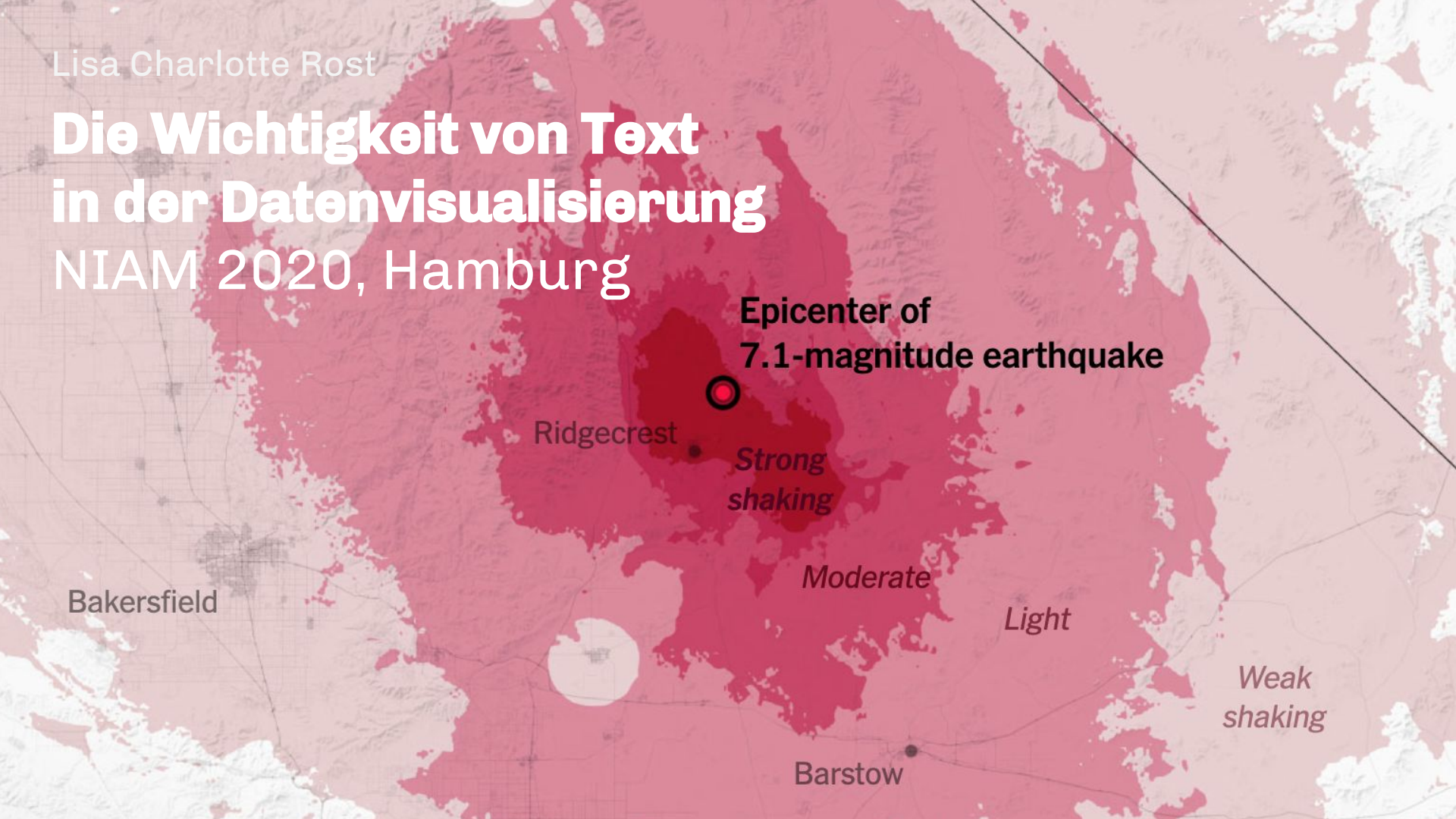
What is China's Belt and Road Initiative?, The Guardian, 2018

China is carrying out or planning construction projects in more than 60 countries along these routes.

Lisa Charlotte Rost

Die Wichtigkeit von Text in der Datenvisualisierung

NIAM 2020, Hamburg



**Epicenter of
7.1-magnitude earthquake**

Ridgecrest

**Strong
shaking**

Moderate

Light

*Weak
shaking*

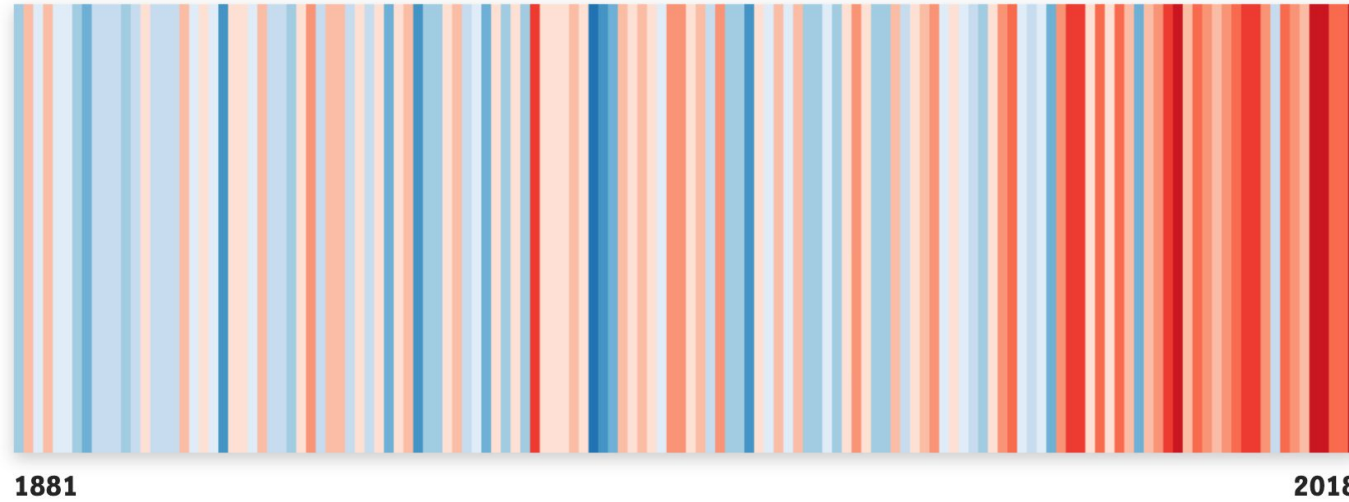
Bakersfield

Barstow

Outlier

    Wärmestreifen teilen

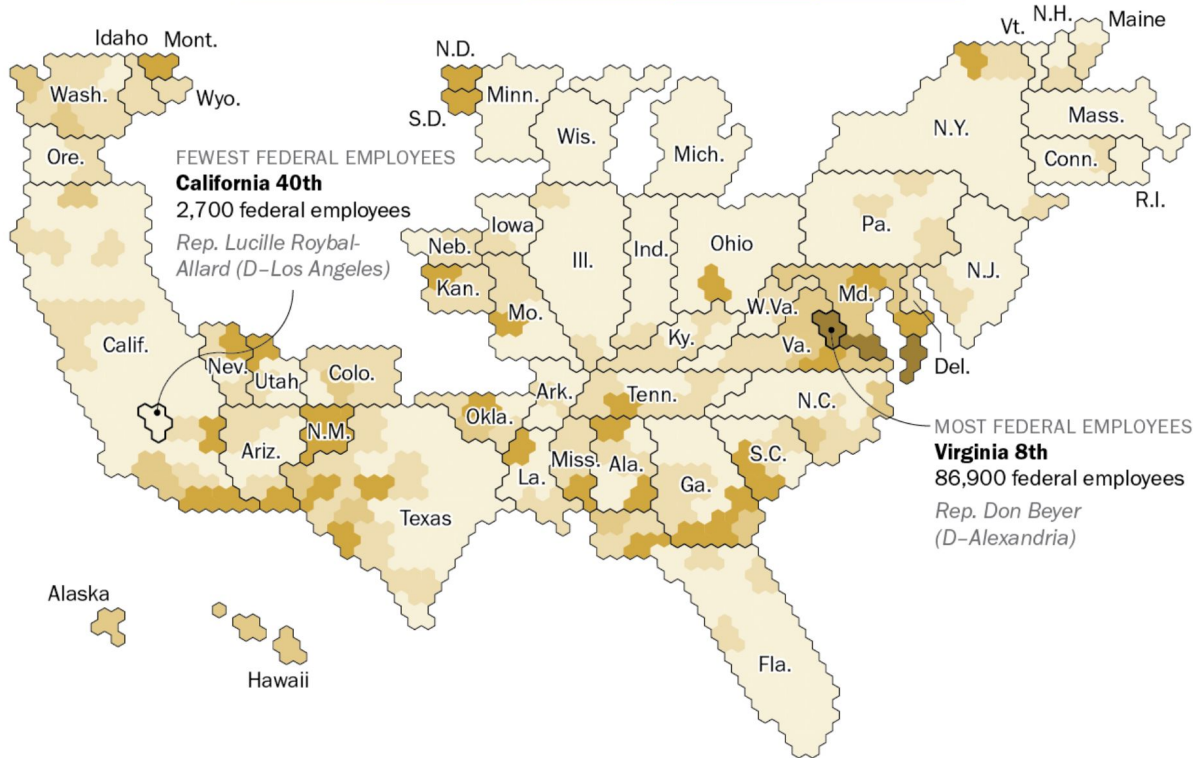
-2,5 °C  +2,5 °C



Das kälteste Jahr in Berlin war **1940** mit durchschnittlich **7,1 °C**. Das wärmste war **2018** mit **11,3 °C**.

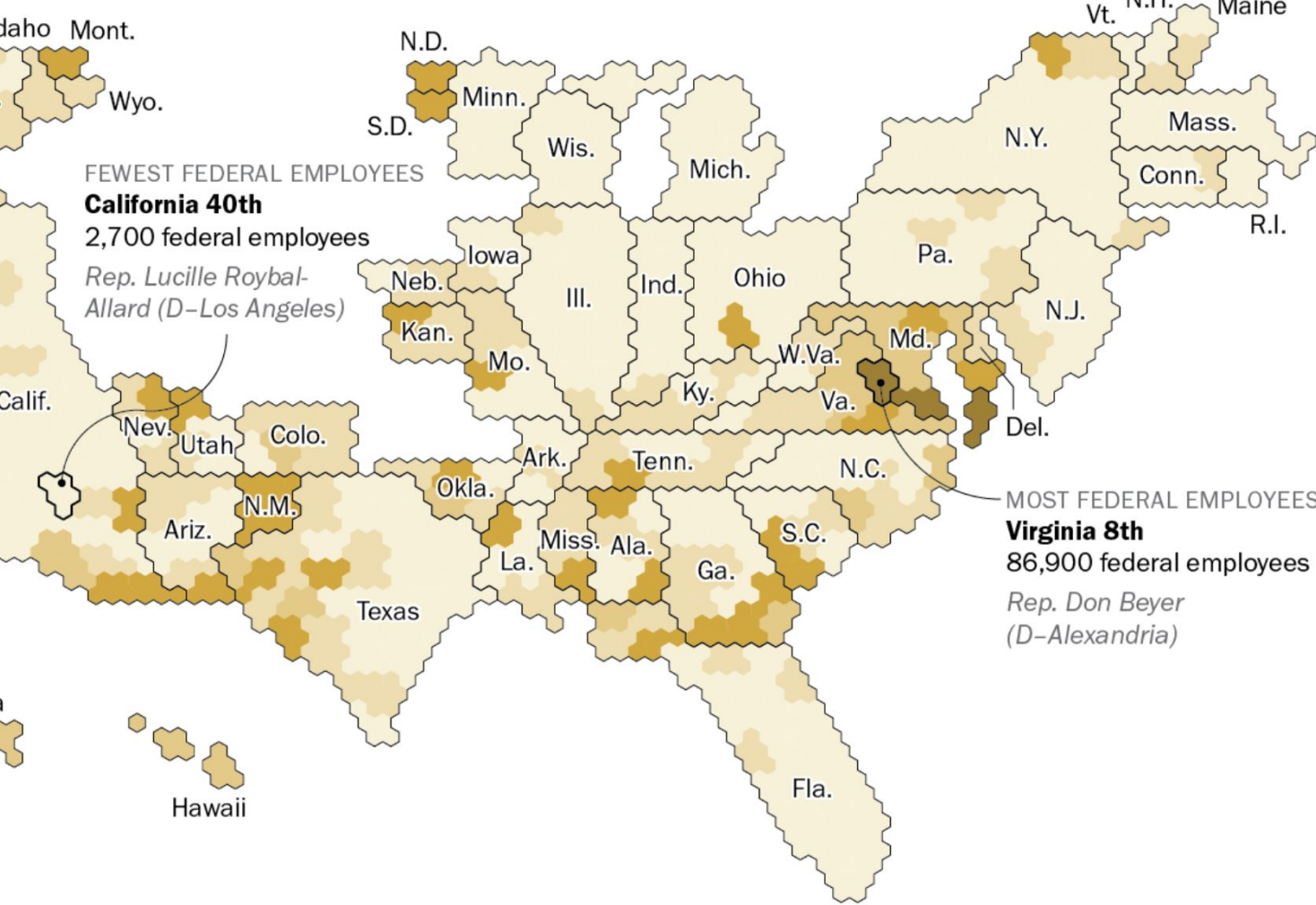
Viel zu warm
hier, ZEIT Online,
2019

Each congressional district is drawn to have equal area and placed roughly where it lies geographically while maintaining the general shape of the country. (The gap in the middle of the map results from some large states having small populations.)



Outlier

Federal workers in red and blue congressional districts, Pew Research Center, 2019



FEWEST FEDERAL EMPLOYEES

California 40th
 2,700 federal employees
Rep. Lucille Roybal-Allard (D-Los Angeles)

MOST FEDERAL EMPLOYEES

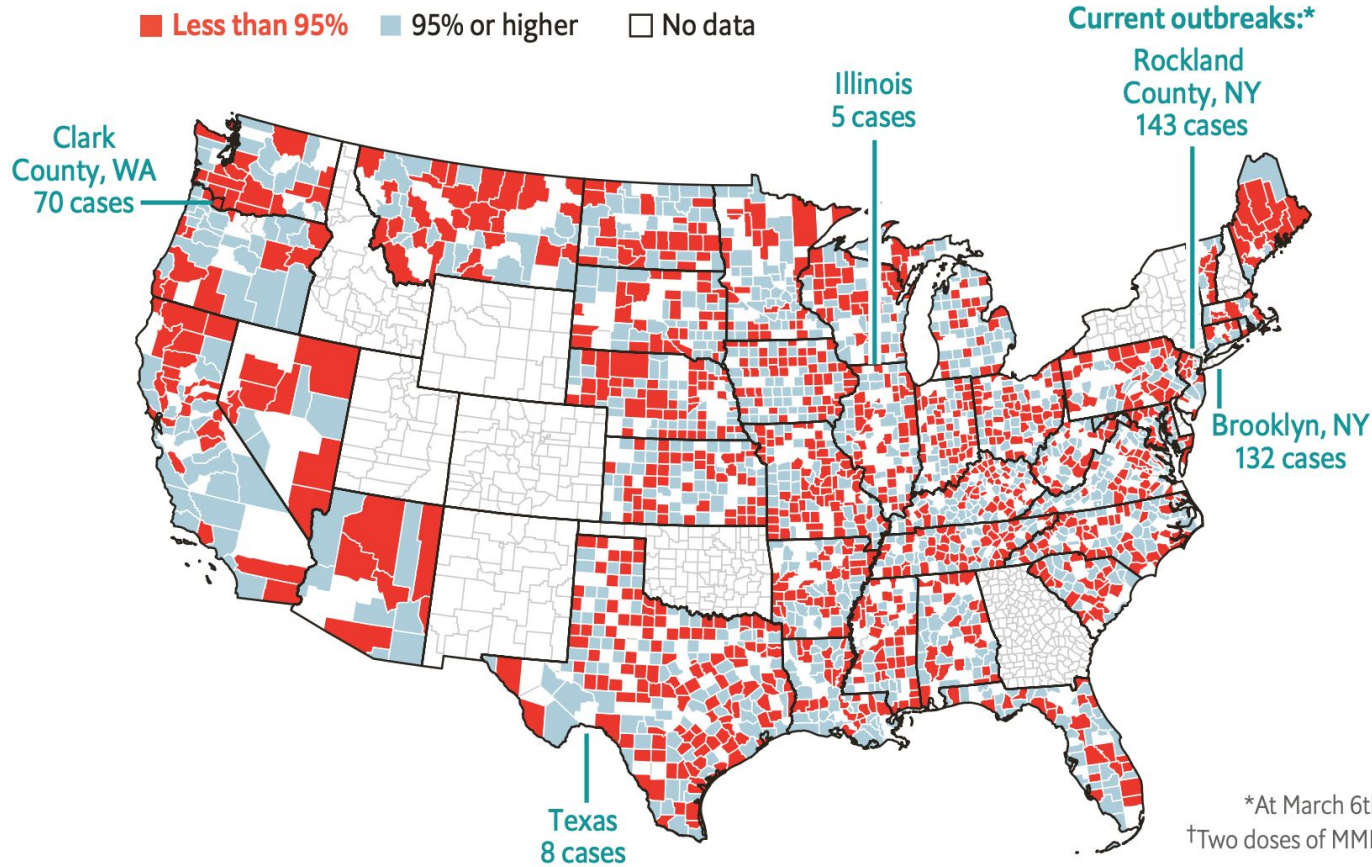
Virginia 8th
 86,900 federal employees
Rep. Don Beyer (D-Alexandria)

Outlier

Federal workers in red and blue congressional districts, Pew Research Center, 2019

Share of kindergarteners vaccinated[†], by county, 2014-15

■ Less than 95% ■ 95% or higher □ No data



Current outbreaks:*

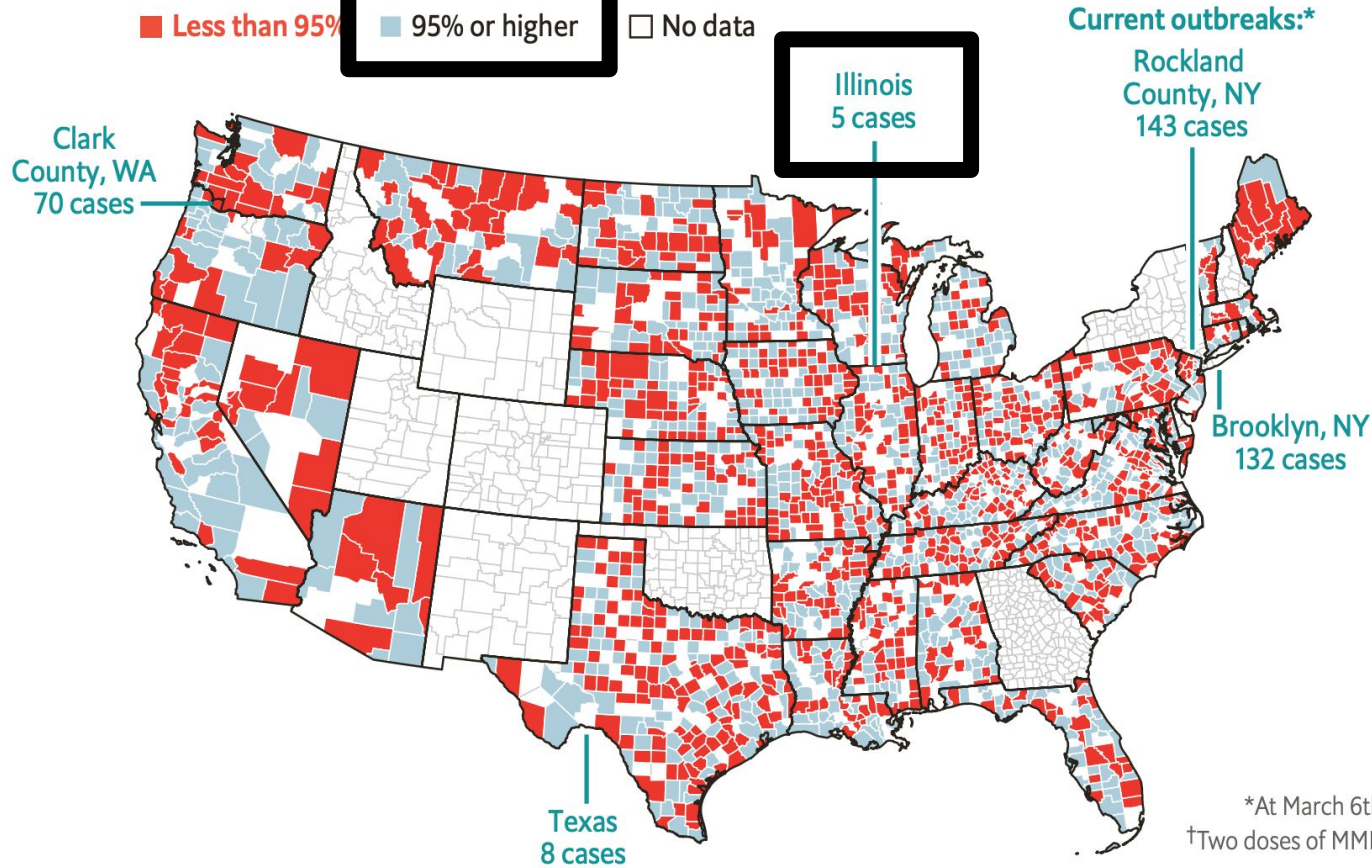
Outlier

Fever Pitch,
Graphic Detail,
The Economist,
2019

*At March 6th
†Two doses of MMR

Share of kindergarteners vaccinated[†], by county, 2014-15

■ Less than 95% ■ 95% or higher □ No data



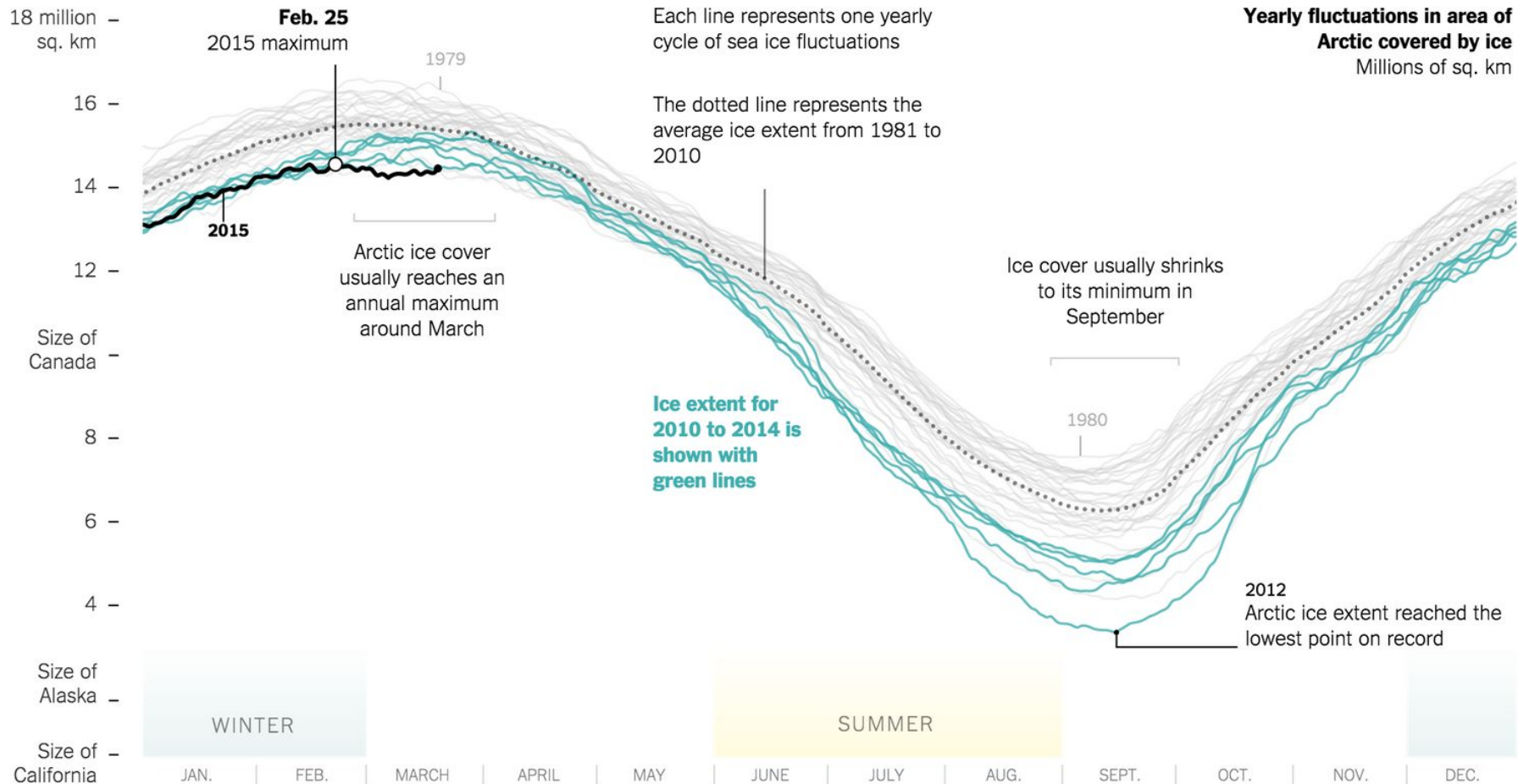
Outlier

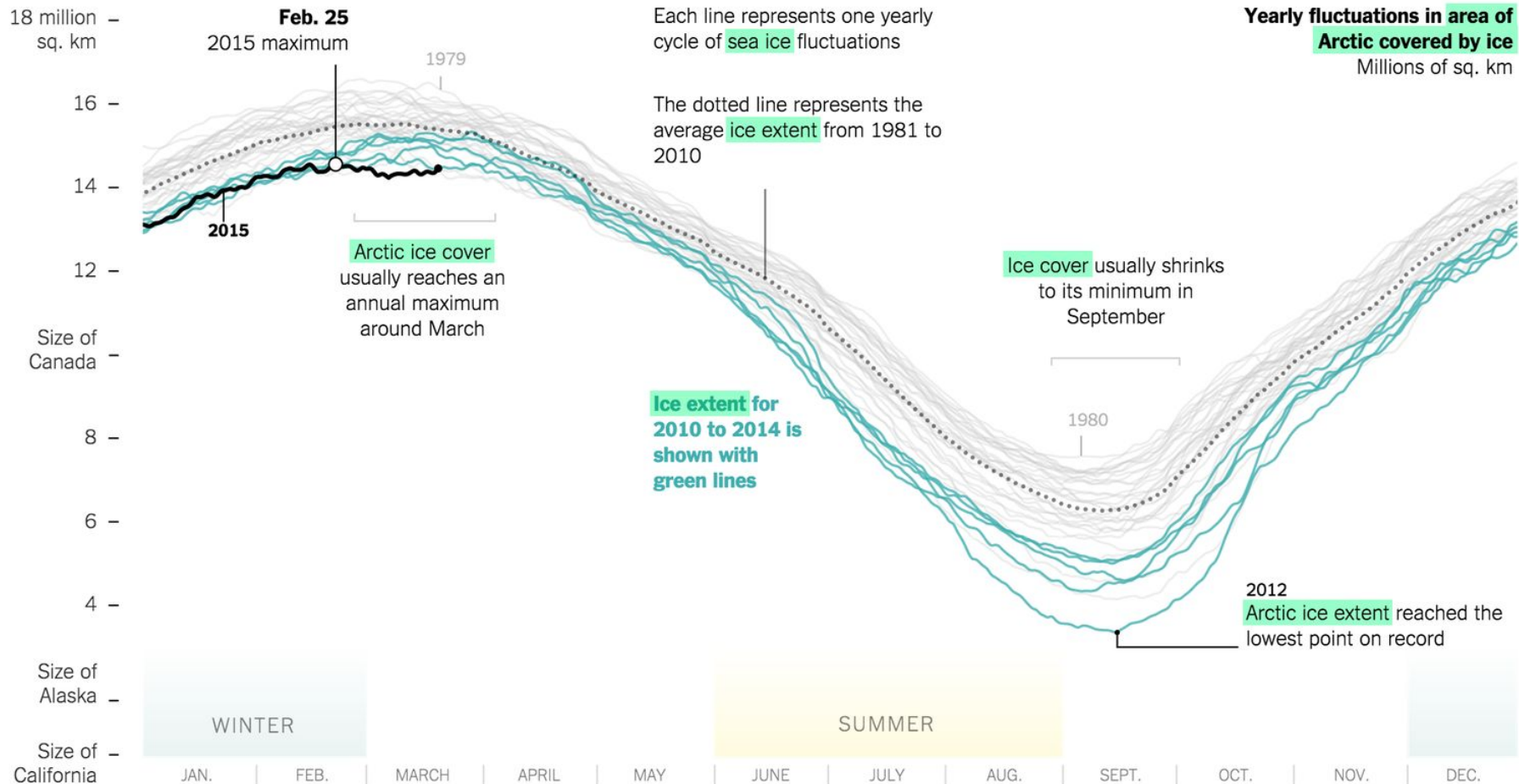
Fever Pitch,
Graphic Detail,
The Economist,
2019

*At March 6th
†Two doses of MMR

Sei redundant (immer noch).

A piece
of wisdom

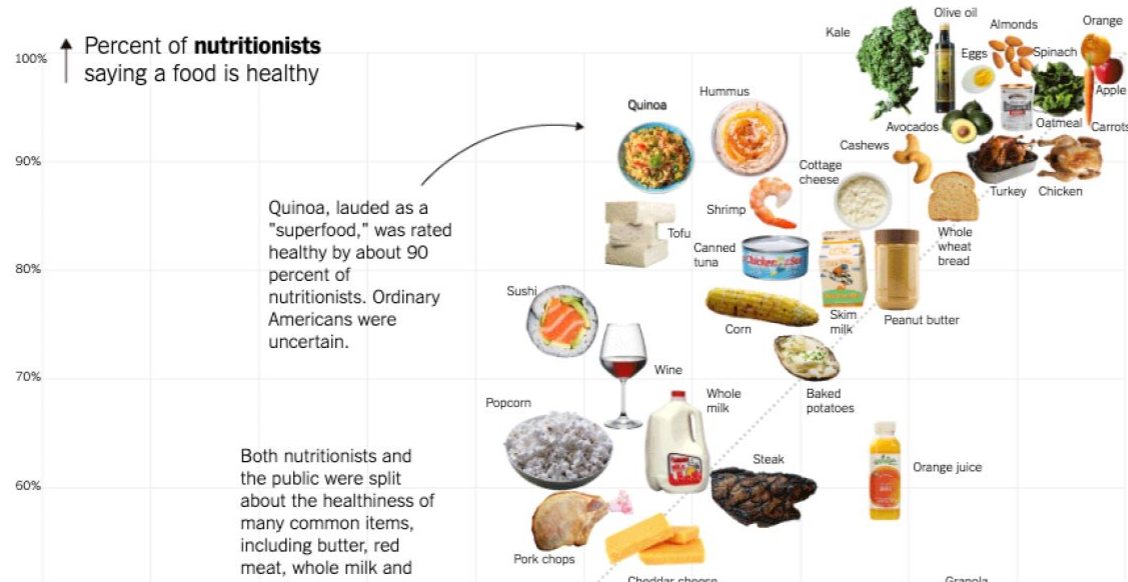


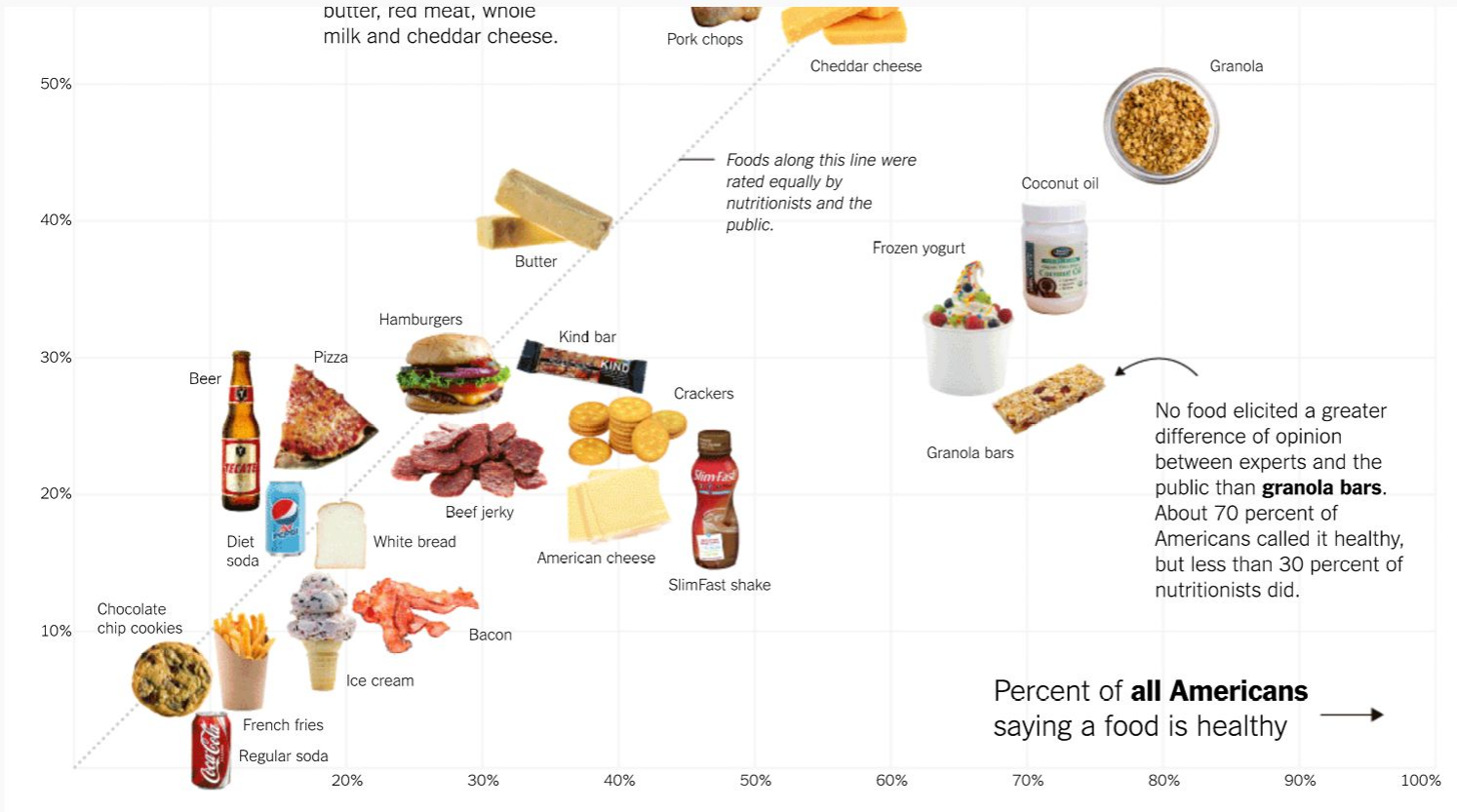


Is Sushi 'Healthy'? What About Granola? Where Americans and Nutritionists Disagree

By KEVIN QUEALY and MARGOT SANGER-KATZ JULY 5, 2016

We surveyed Americans and a panel of nutrition experts about which foods they thought were good or bad for you.



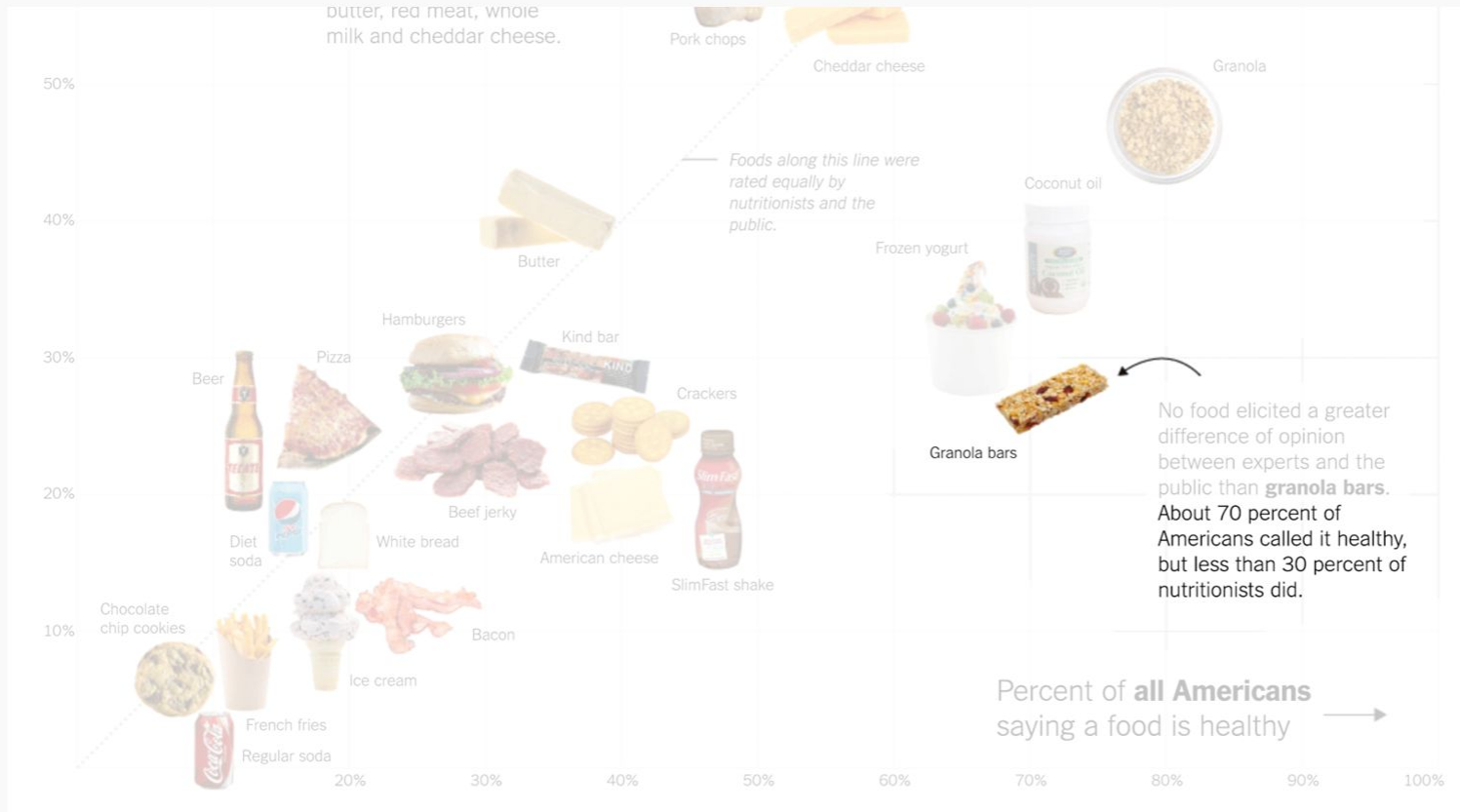


How to improve **readability?**

Label **outliers**.

“Is Sushi ‘Healthy’? What About Granola? Where Americans and Nutritionists Disagree”,
NYT, July 2016

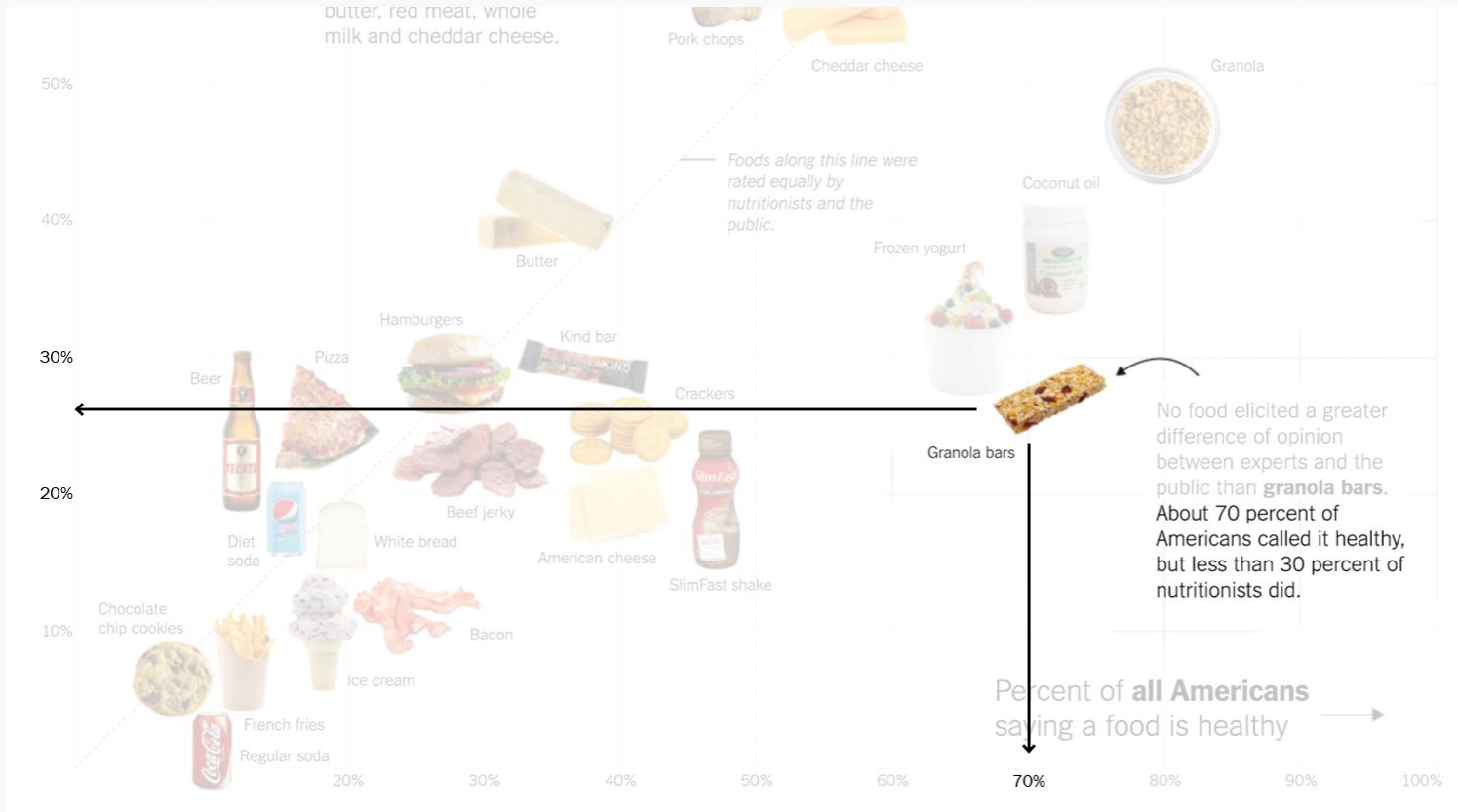
@lisacrost



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 NYT, July 2016



How to improve **readability?**

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“Is Sushi ‘Healthy’? What About Granola? Where Americans and Nutritionists Disagree”,
 NYT, July 2016

Labels/
Beschriftungen
as legends