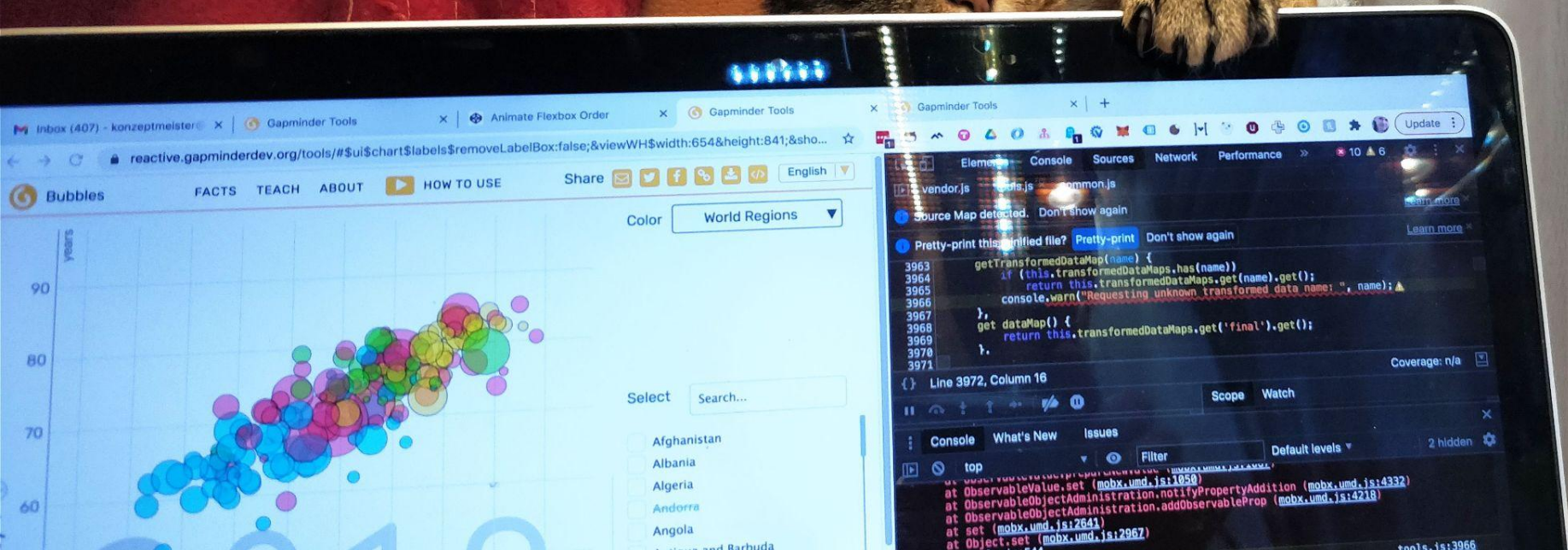
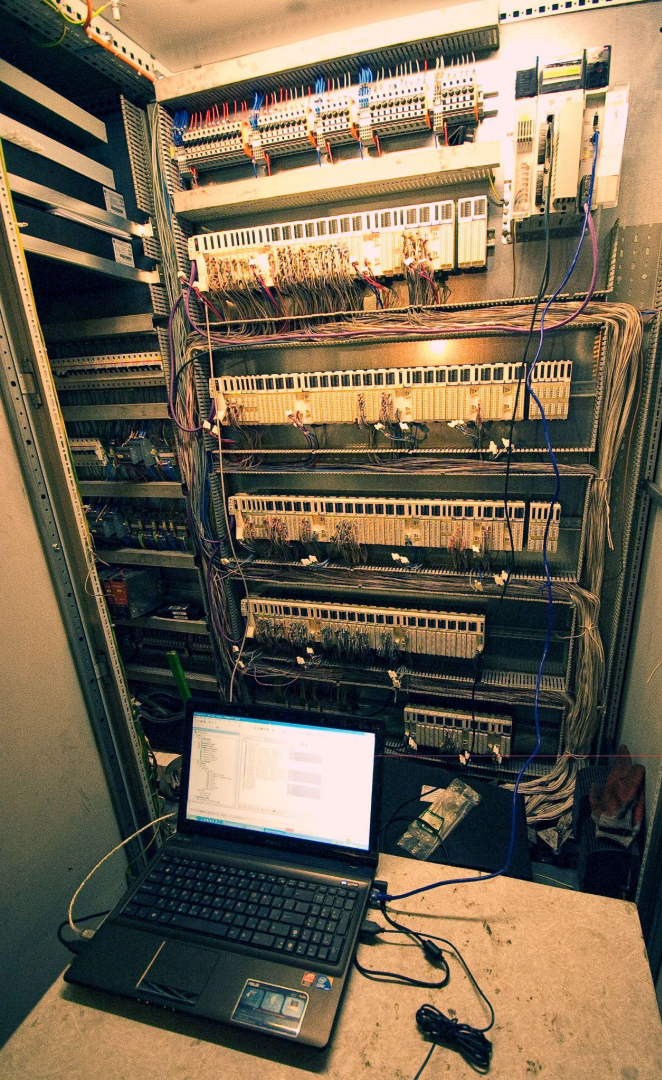


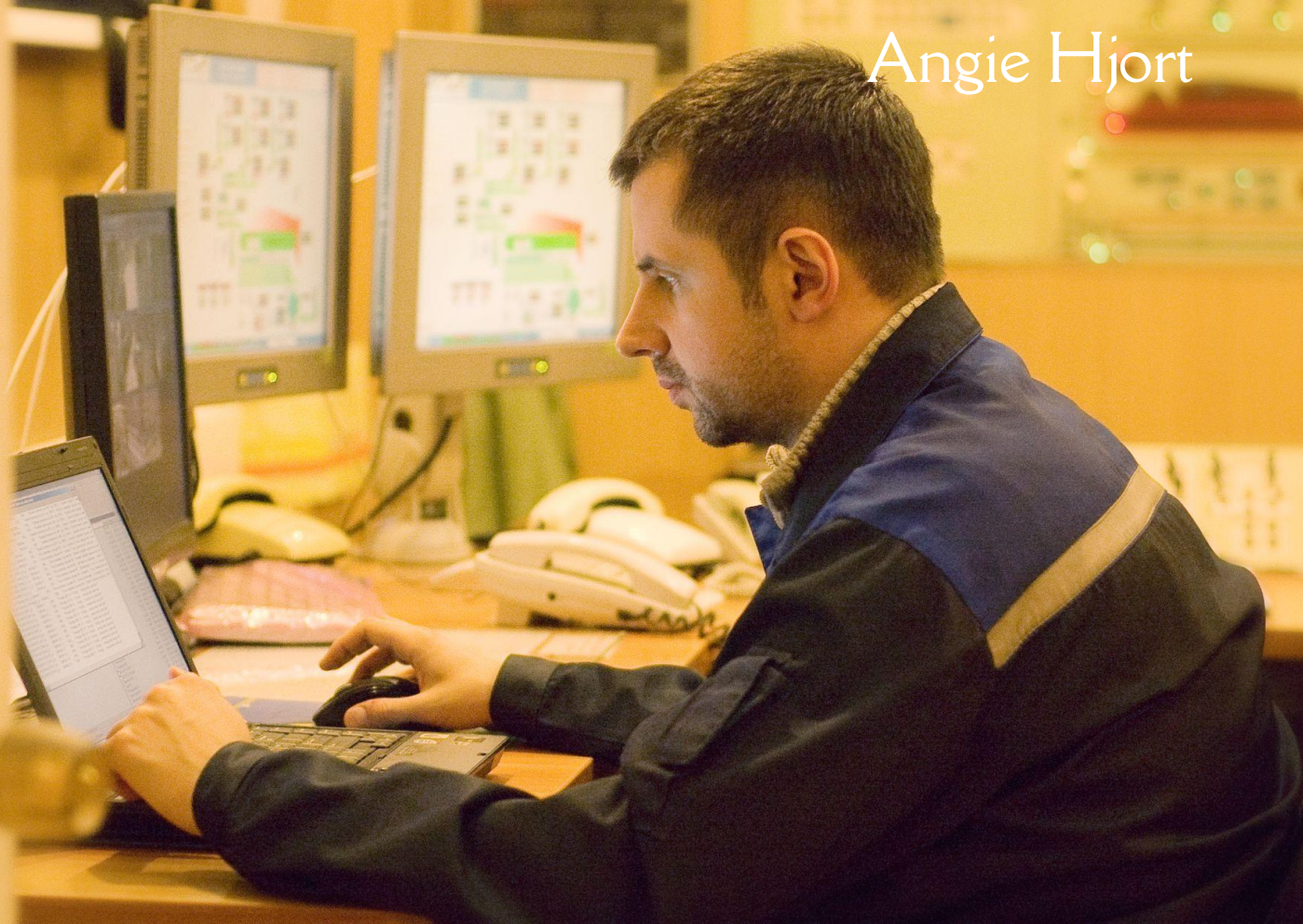
Charts to Reveal and Heal

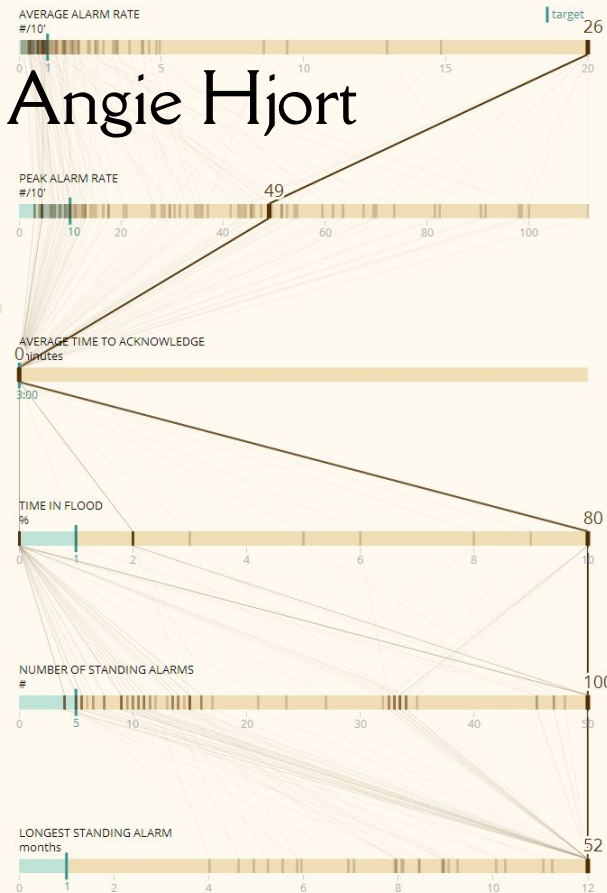
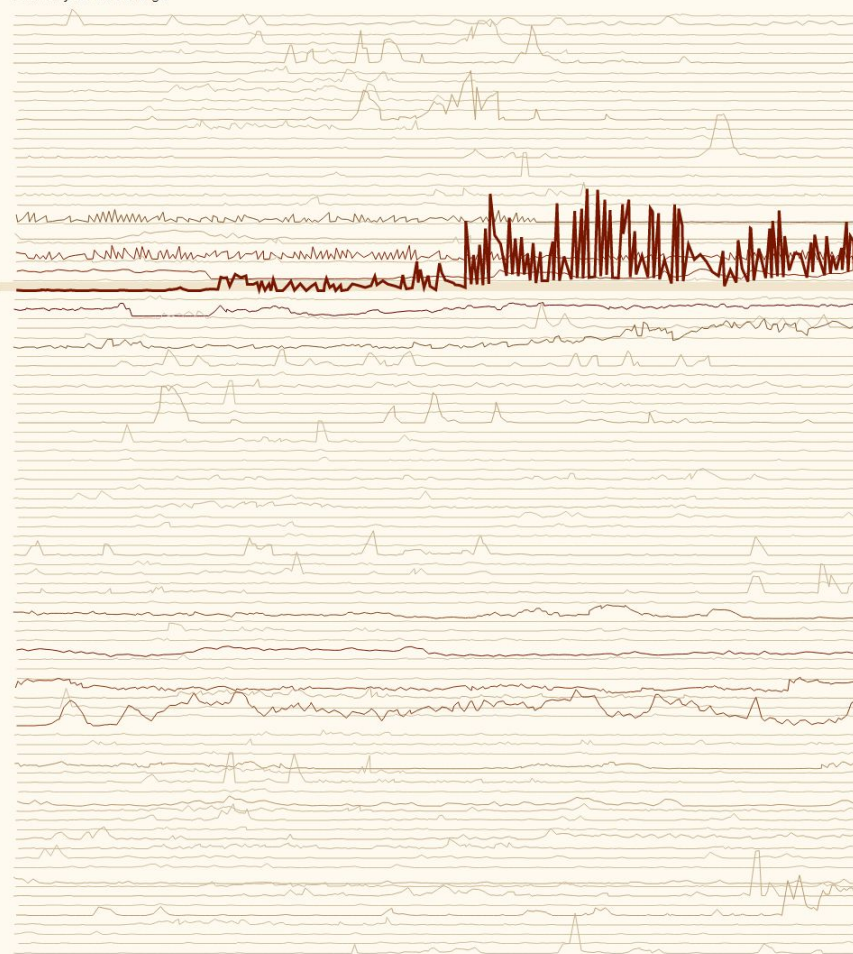
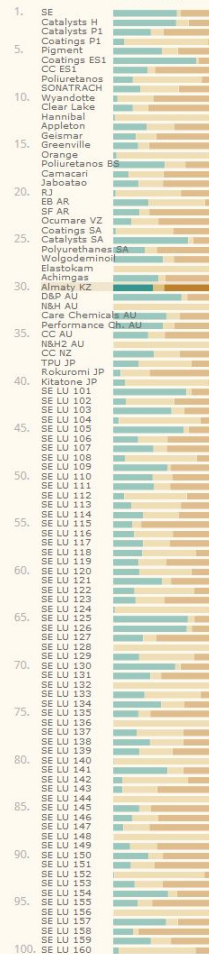
Angie Hjort

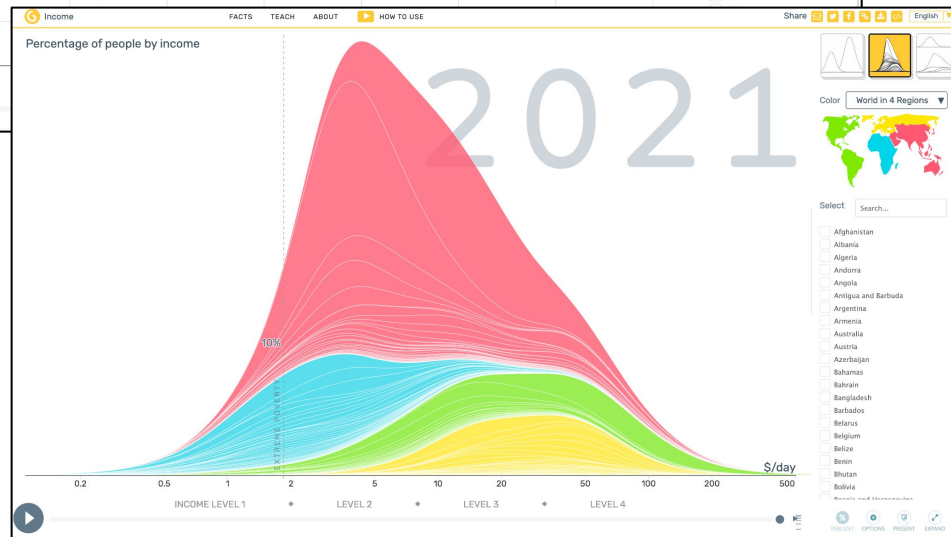




Angie Hjort



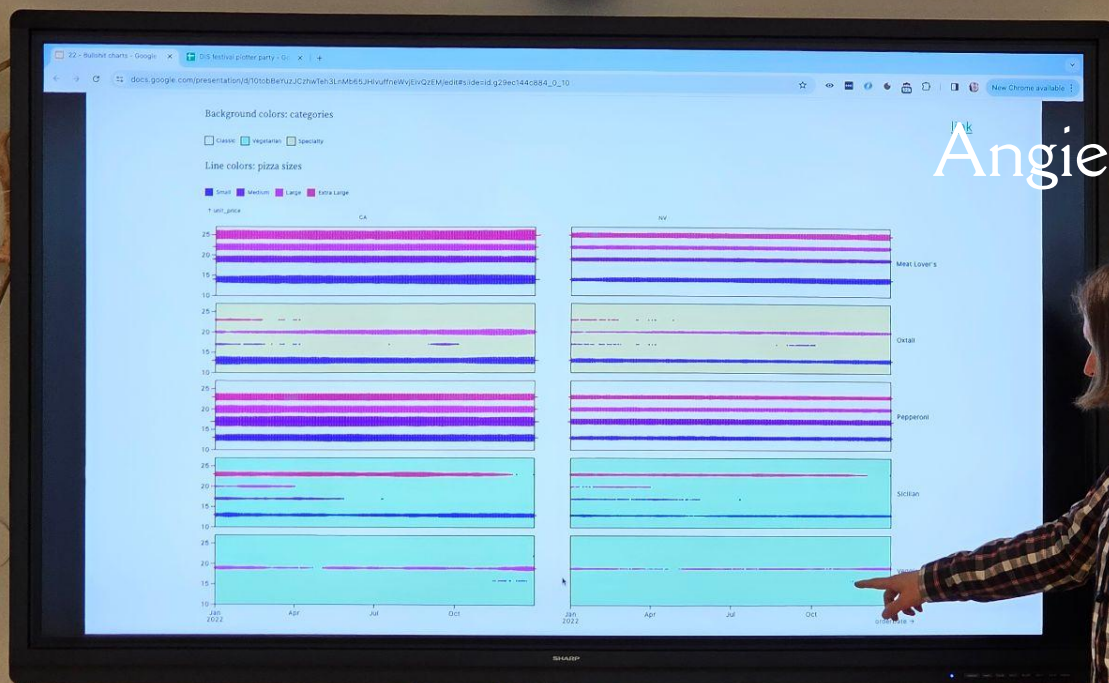
No PLANT PRIORITIES:
40 - 11 - 49 %ALARM RATE CHANGE OVER TIME
colored by absolute average



Angie Hjort



Angie Hjort



A group of approximately 15 students are posing on a large, grey, mossy rock formation. They are dressed in winter clothing, including puffy jackets, beanies, and scarves. Several students are holding up their smartphones, some with green screens. The background is filled with dense evergreen trees under an overcast sky.

Angie Hjort

Föreläser Data visualisering på DIS — Danish Institute for Study Abroad

Angie Hjort

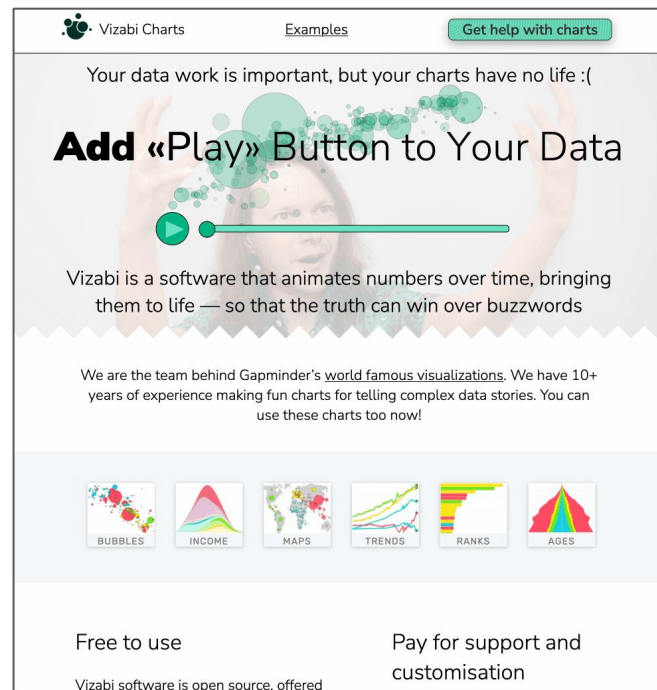
Föreläser Data visualisering på DIS — Danish Institute for Study Abroad

Ex-Gapminder head of software

Utvecklare av Vizabi charts i 10 år, nu driver eget

Data visualisering design och webbutveckling →

vizabi.com/



The screenshot shows the homepage of Vizabi Charts. At the top, there is a navigation bar with the Vizabi Charts logo, a link to 'Examples', and a green button that says 'Get help with charts'. Below the navigation bar, a large section features a woman's face with green bubbles around her head. The text in this section reads: 'Your data work is important, but your charts have no life :(Add «Play» Button to Your Data'. Below this, a green play button icon is shown next to a progress bar. The text continues: 'Vizabi is a software that animates numbers over time, bringing them to life — so that the truth can win over buzzwords'. Further down, a paragraph states: 'We are the team behind Gapminder's world famous visualizations. We have 10+ years of experience making fun charts for telling complex data stories. You can use these charts too now!'. Below this text is a row of six icons representing different chart types: BUBBLES, INCOME, MAPS, TRENDS, RANKS, and AGES. At the bottom of the page, there is a footer with the text 'Free to use' and 'Pay for support and customisation', and a small note at the very bottom: 'Vizabi software is open source, offered'.

Vizabi Charts Examples Get help with charts

Your data work is important, but your charts have no life :(

Add «Play» Button to Your Data

Vizabi is a software that animates numbers over time, bringing them to life — so that the truth can win over buzzwords

We are the team behind Gapminder's world famous visualizations. We have 10+ years of experience making fun charts for telling complex data stories. You can use these charts too now!

BUBBLES INCOME MAPS TRENDS RANKS AGES

Free to use Pay for support and customisation

Vizabi software is open source, offered

Bjuder in på en öppen diskussion (under paus och lunch)

om rollen av datavisualisering och fakta i politik, kultur och klimat

Mycket snabb historisk överblick: datavisualisering då, nu och framöver

Signaler på förändring

Tips för diagram som "Reveal and heal"

Data modernism

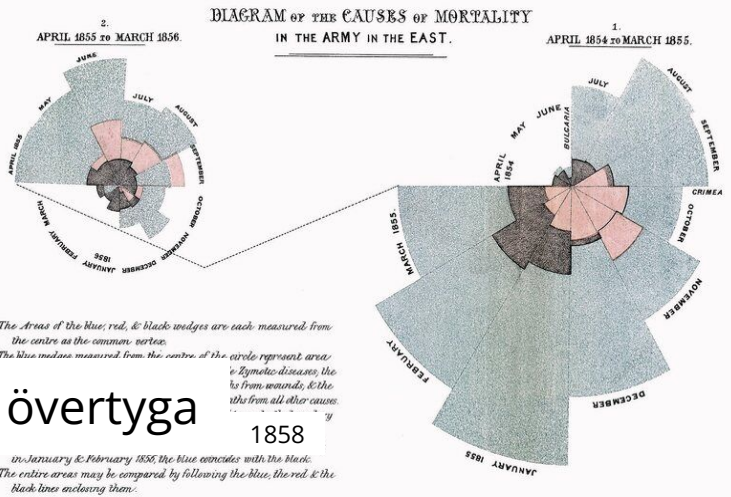
Data visualisering —
ett kännetecken
för den moderna tiden

Att visualisera data
betyder att...

tänka



1854



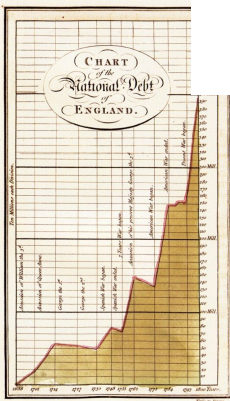
The Areas of the blue, red, & black wedges are each measured from the centre as the common vertex.
The blue wedges measured from the centre of the circle represent area of Zymotic diseases, the red from wounds, & the black from all other causes.

in January & February 1856, the blue wedges with the black. The entire areas may be compared by following the blue, the red & the black lines enclosing them.

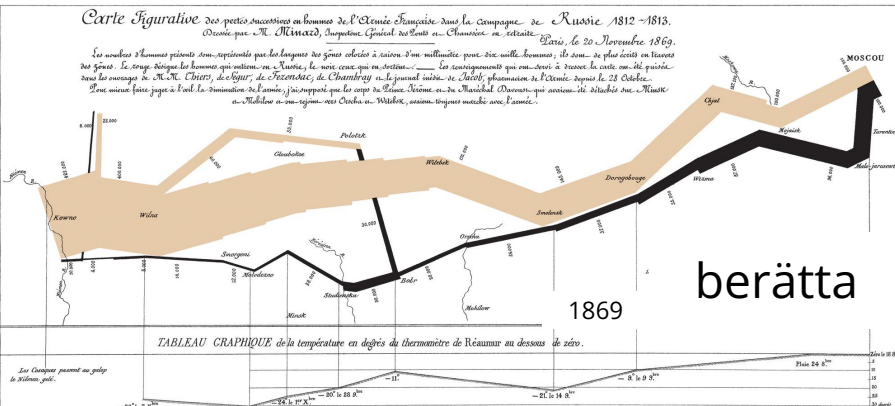
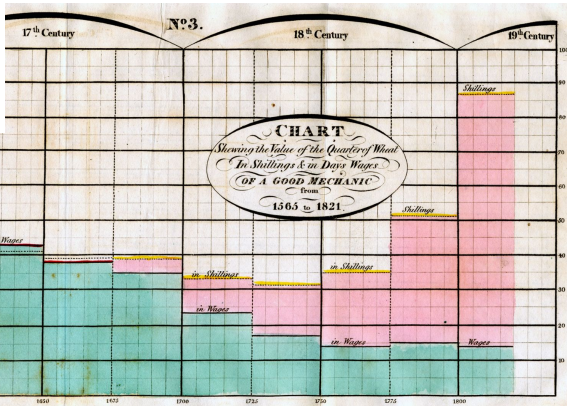
övertyga

1858

förklara



1788



1869

berätta

Data modernism

I bruk sedan 1700

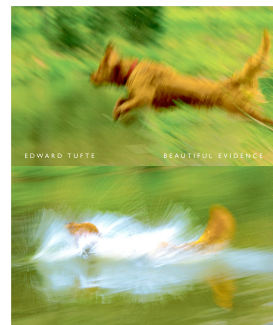
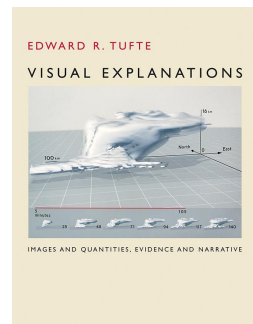
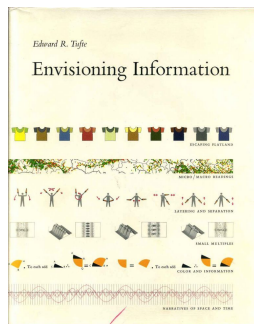
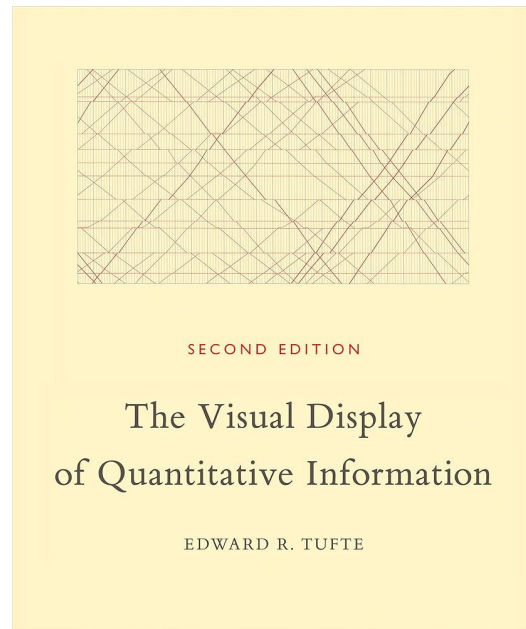
Framförallt visa data

Ta bort all form av dekoration

Informera, inte underhålla

Mängden bläck måste stå i proportion till data

Problem: reduktionistiskt synsätt
till följd av ett modellbaserat tänkande



Data postmodernism

Sedan 1990 typ

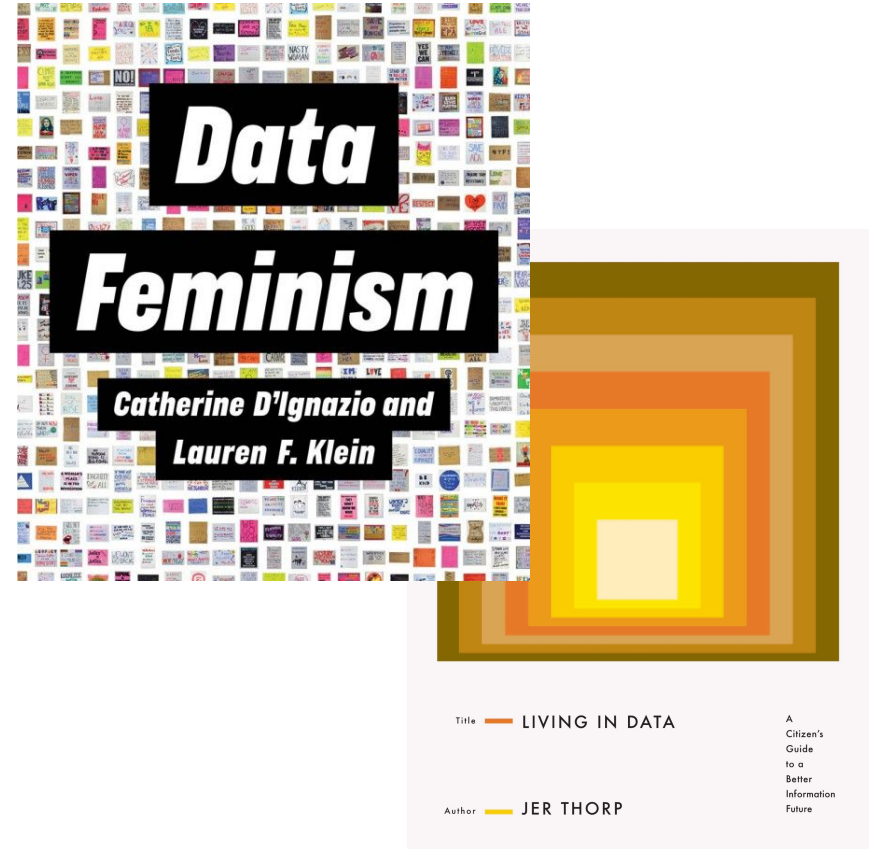
Erkänner rollen av en iakttagare
i kunskapsprocessen

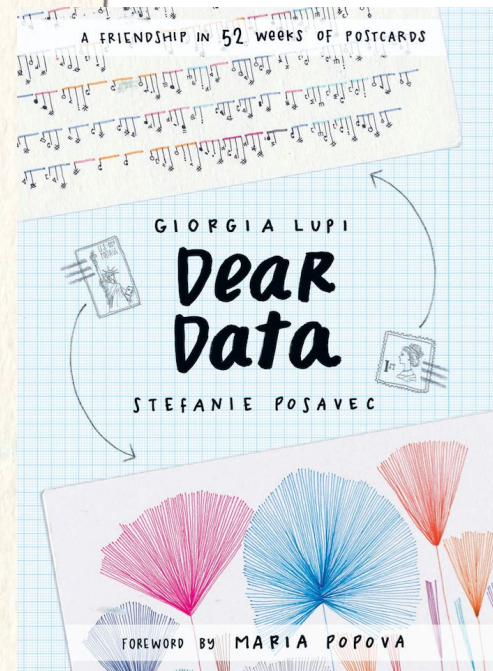
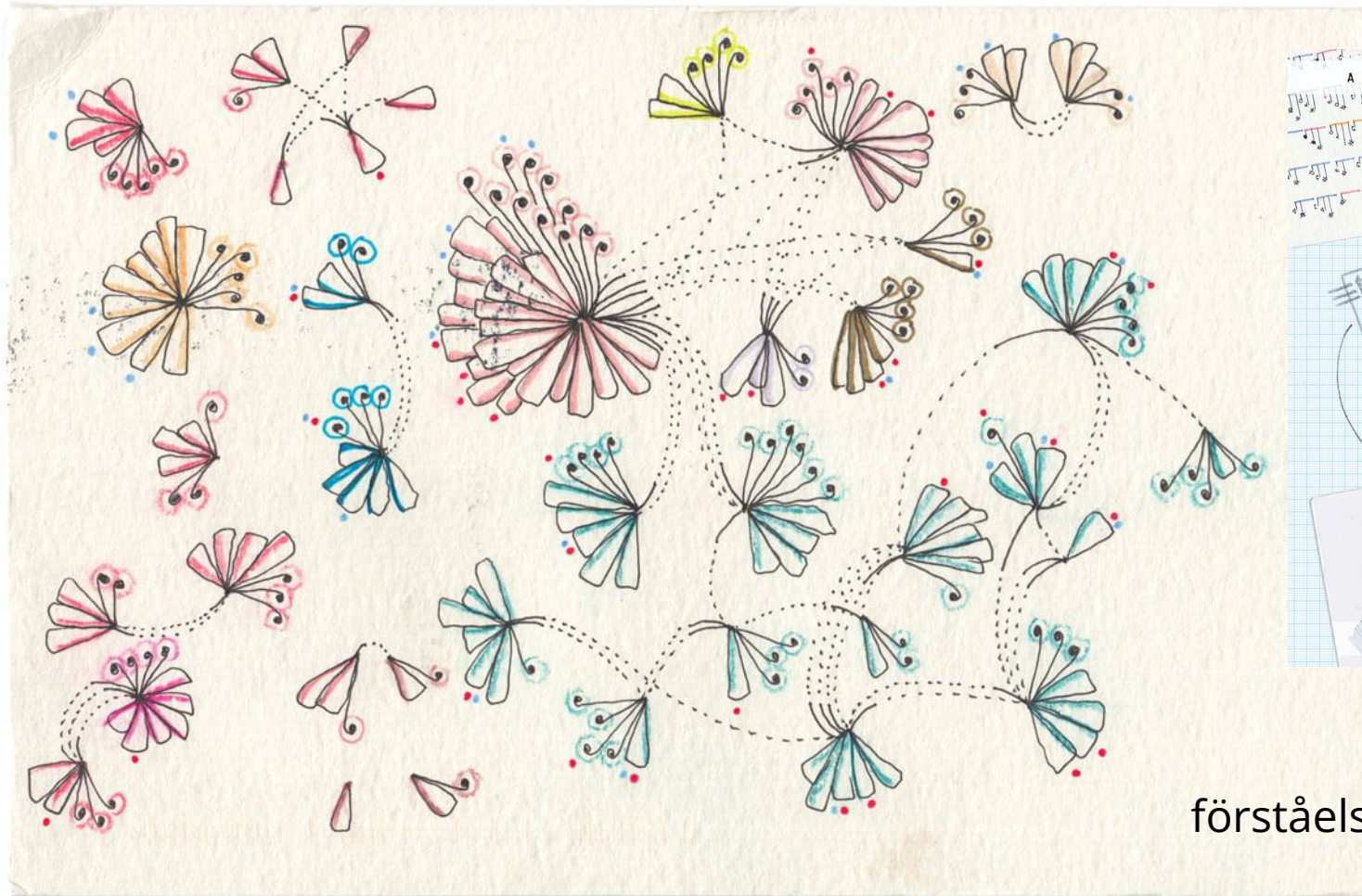
Data/kunskap/sanningen produceras
och bedömas av människor

Mycket vikt på osäkerhet i data

Mycket vikt på förståelse genom
känslor och emotioner

Ner med makt-hierarki!

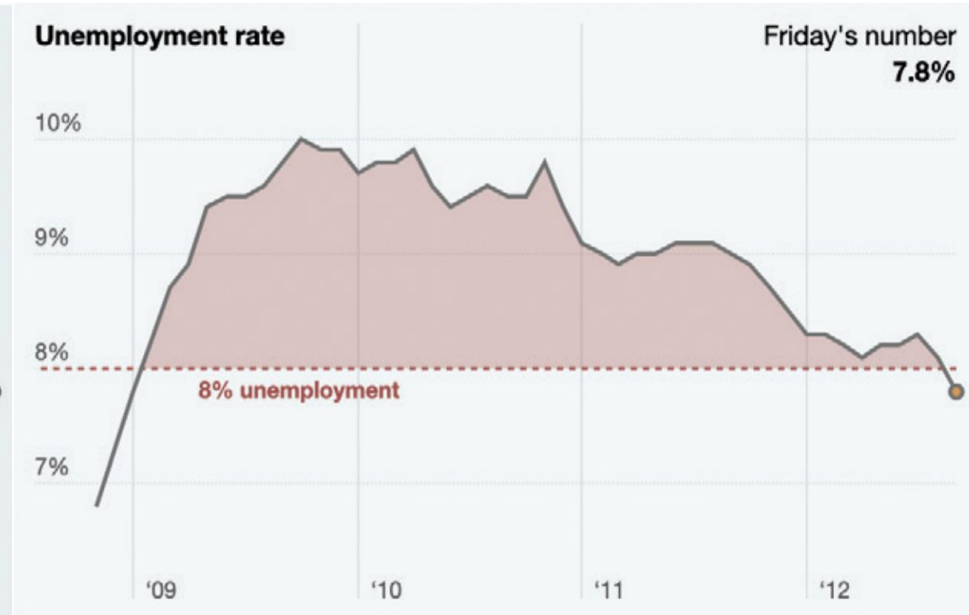
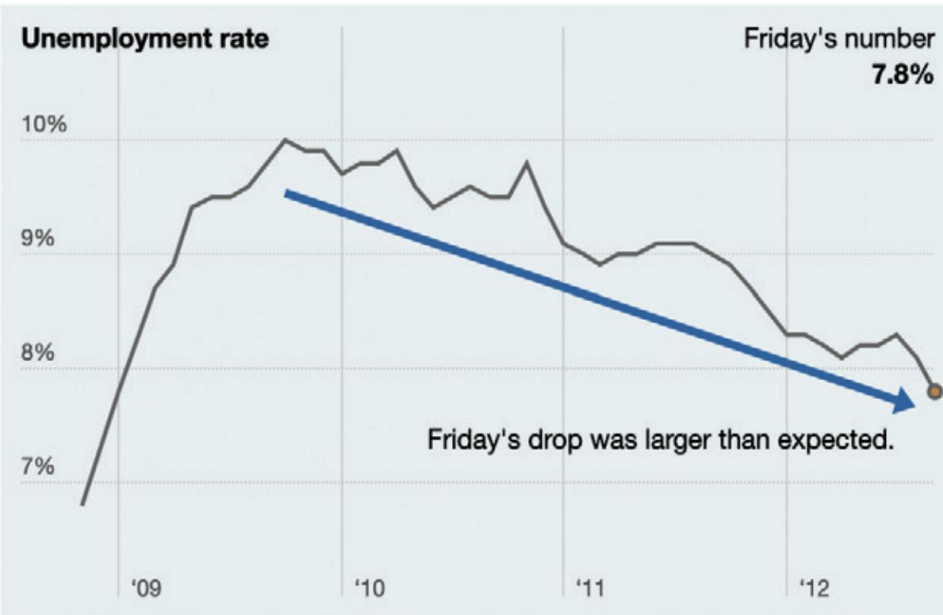




förståelse genom känslor

Data postmodernism

Problem: ingen synpunkt har prioritet, "alternativa fakta"





National Review

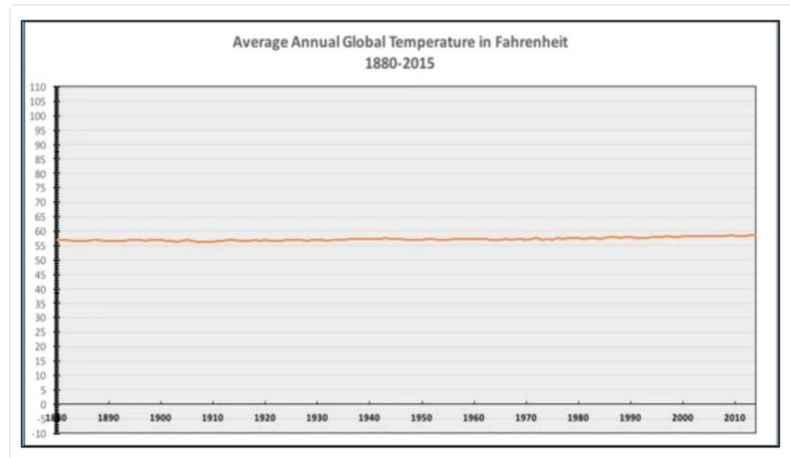
@NRO

Follow



The only [#climatechange](#) chart you need to see. natl.re/wPKpro

(h/t [@powerlineUS](#))



10:36 PM - 14 Dec 2015

389 Retweets 308 Likes



425



389



308



GLOBAL CARBON EMISSIONS FROM FOSSIL FUELS

Gigatons CO₂

40

35

30

25

20

15

10

5

0

1870

1890

1910

1930

1950

1970

1990

2011

2012

2013

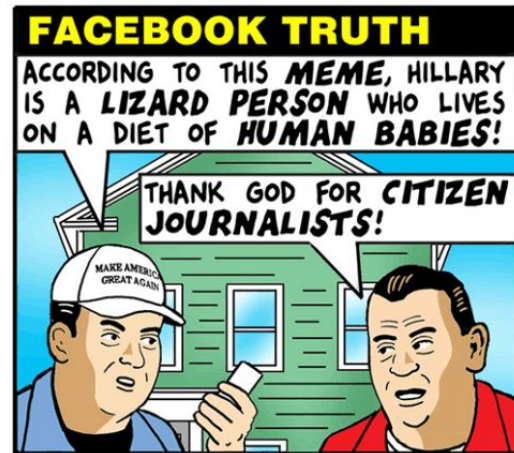
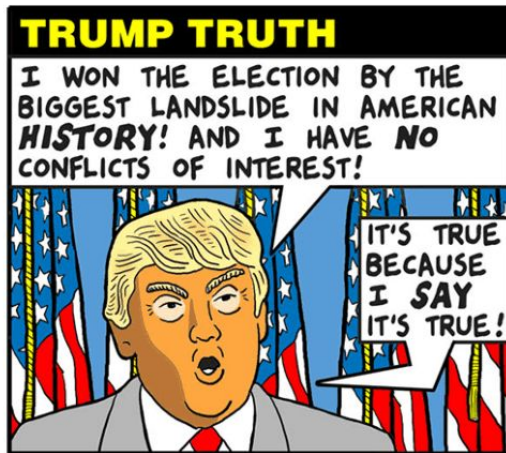
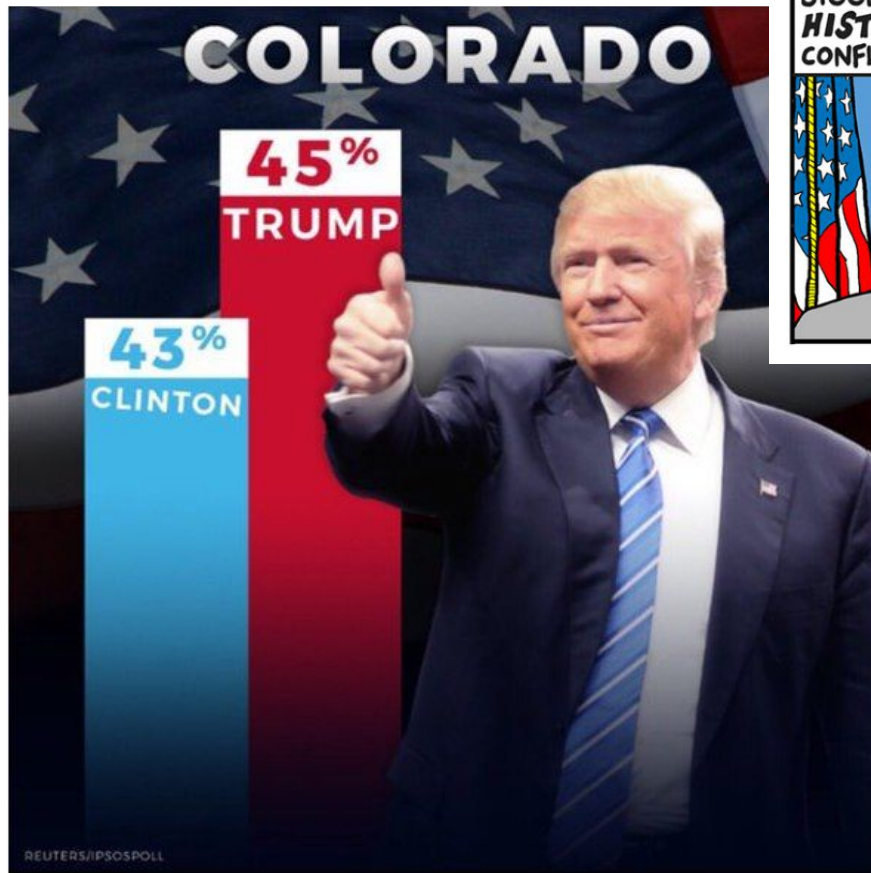
2014

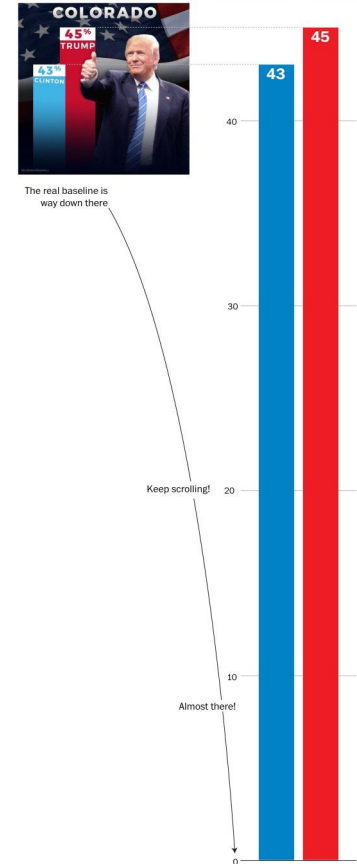
2015

36
Billion
Tons

Source: International Energy Agency

Vad är det för fel här?





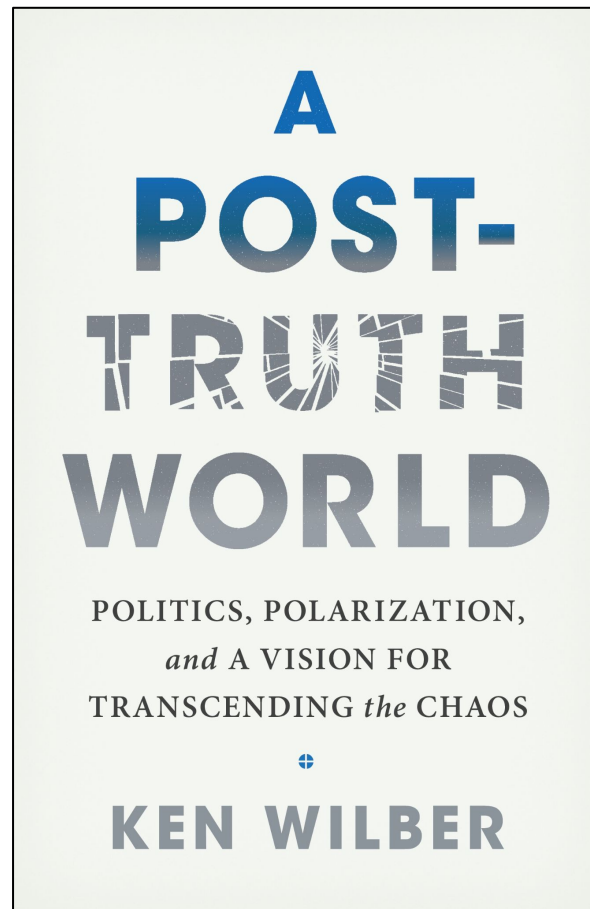
Vad kommer näst?

Modern

Post-modern

??? Sedan 2016 undrar många

Denna bok gav mig hopp →



introducerar

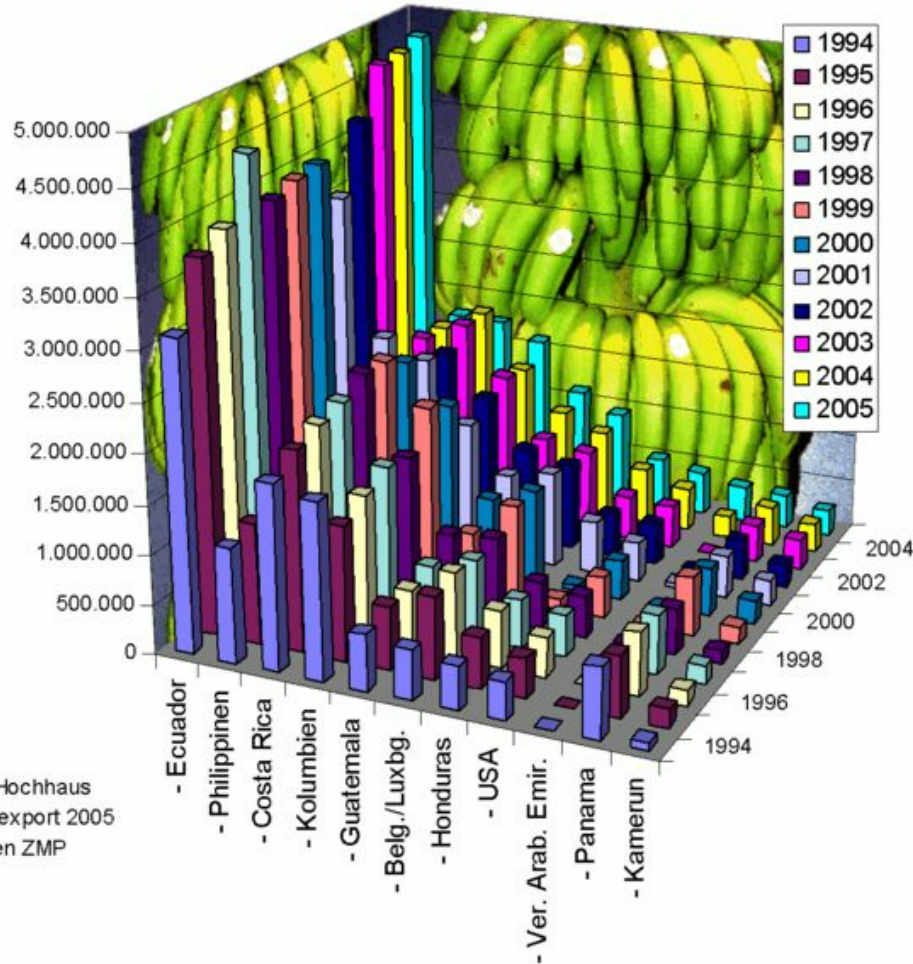
Data meta-modernism

Data metamodernism

Sedan 2016. (Signaler på förändring som finns nu)

1. Återinför hälsosamma hierarkier av godhet, skönhet och sanning
 2. Omfamnar motsägelser och paradoxer
 3. Bygger förtroende genom att visa nyans och komplexitet
 4. Bjuder in till delaktighet
 5. Transparens är den nya objektiviteten
 6. Bygger upp, inte bara kritiserar
 7. Lyfter upp, skapar hopp och mening
- ...

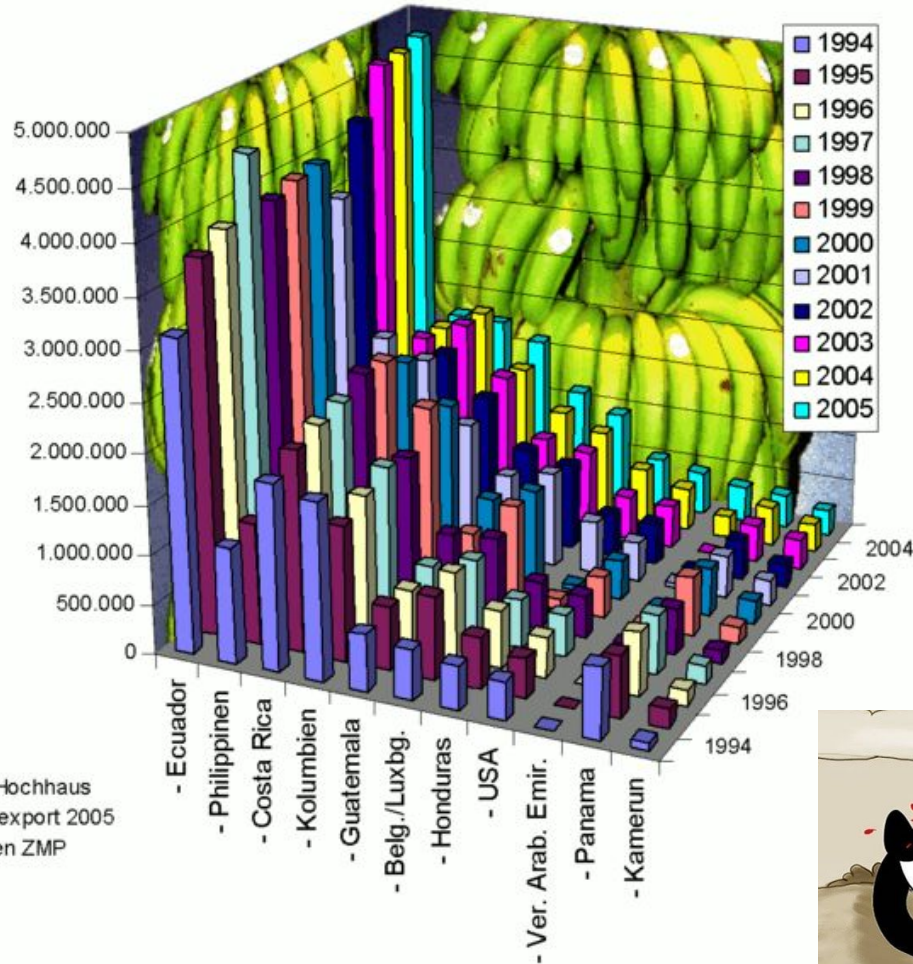
Export von Bananen in Tonnen von 1994-2005



Dr. Hochhaus
Banexport 2005
Daten ZMP

Bygger upp, inte bara kritiserar

Export von Bananen in Tonnen von 1994-2005

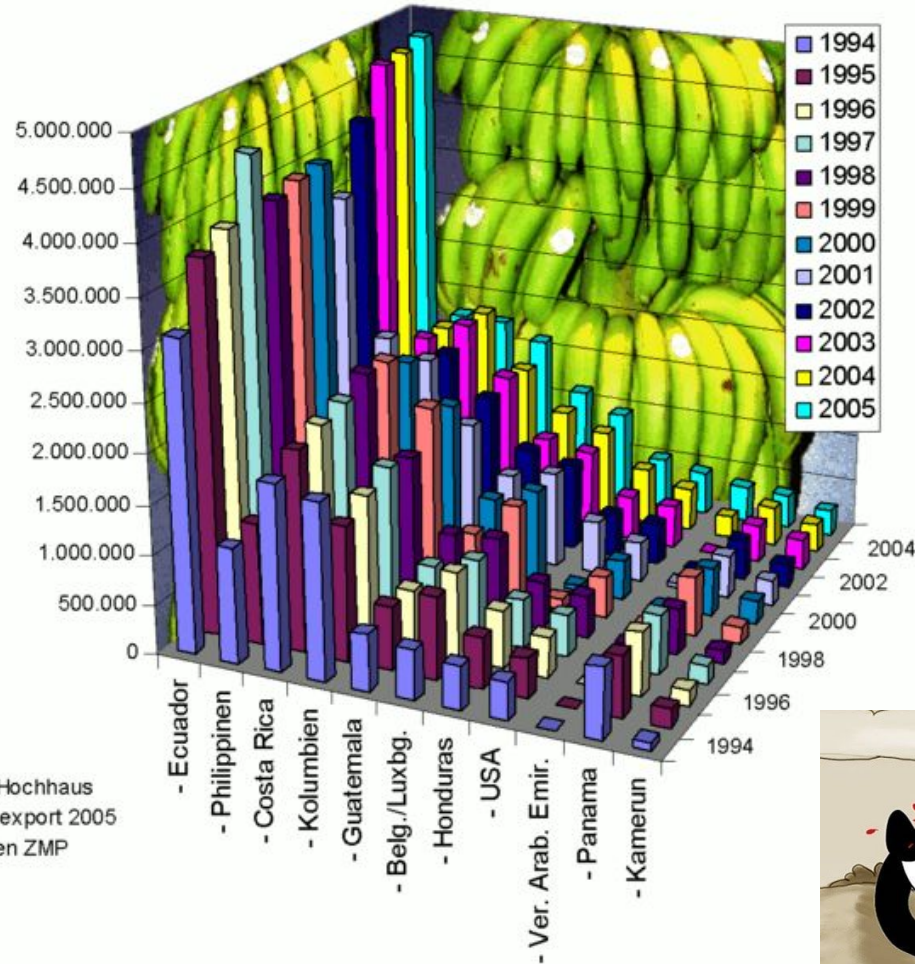


Dr. Hochhaus
Banexport 2005
Daten ZMP

Bygger upp, inte bara kritiserar



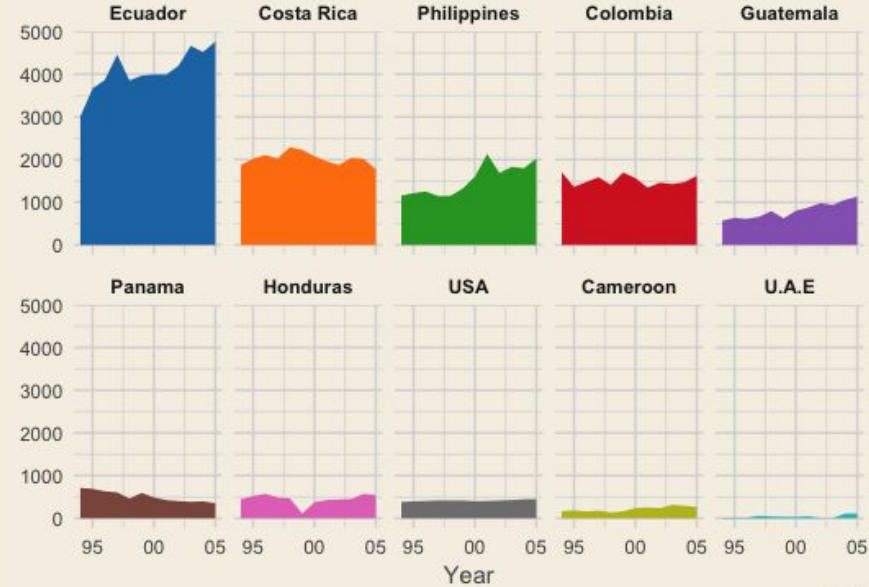
Export von Bananen in Tonnen von 1994-2005



Dr. Hochhaus
Banexport 2005
Daten ZMP

Banana export champ: Ecuador

Banana's in thousand tonnes.



source: FAO



[Redesign](#) by Thomas de Beus

De praktiska tips för ökad förtroende i data

Färre abstraktioner →

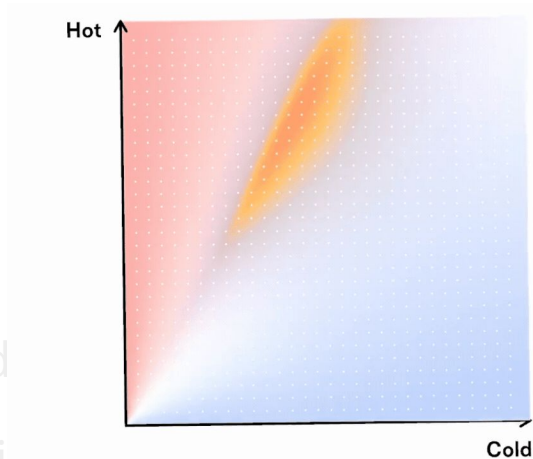
Väva in teckenförklaringar

Färre aggregationer

Animation: representera tid

Interaktivitet: användare bli

Glöm inte människor bakom siffror



De praktiska tips för ökad förtroende i data

Färre abstraktioner

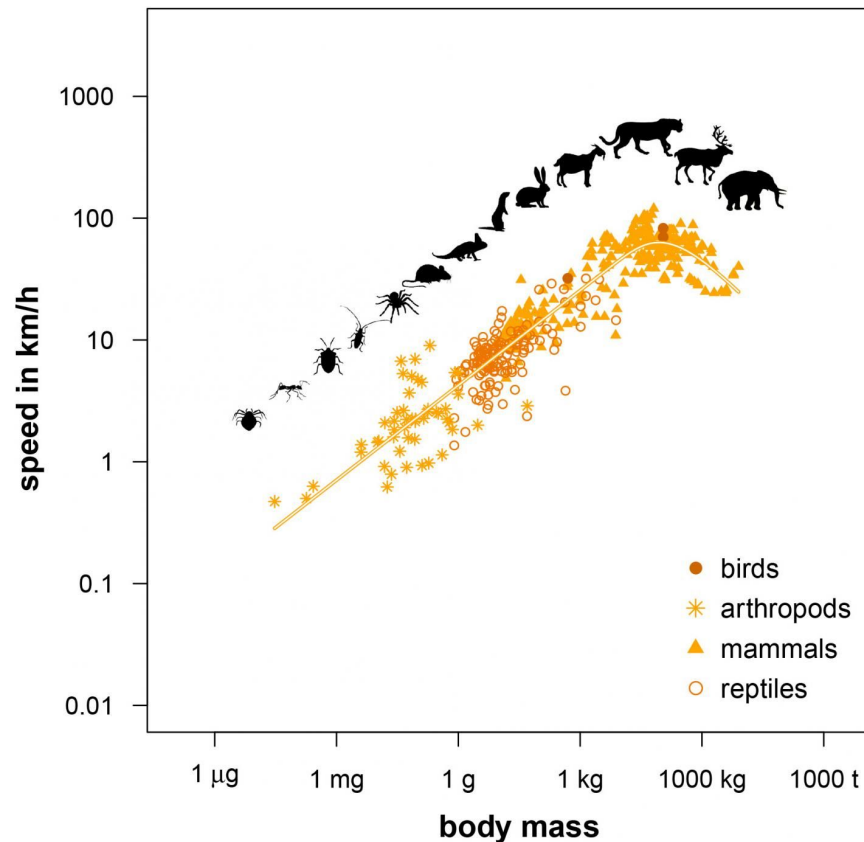
Väva in teckenförklaringar →

Färre aggregationer

Animation: representera tid som tid

Interaktivitet: användare blir deltagare

Glöm inte människor bakom siffror



De praktiska tips för ökad förtroende i data

Färre abstraktioner

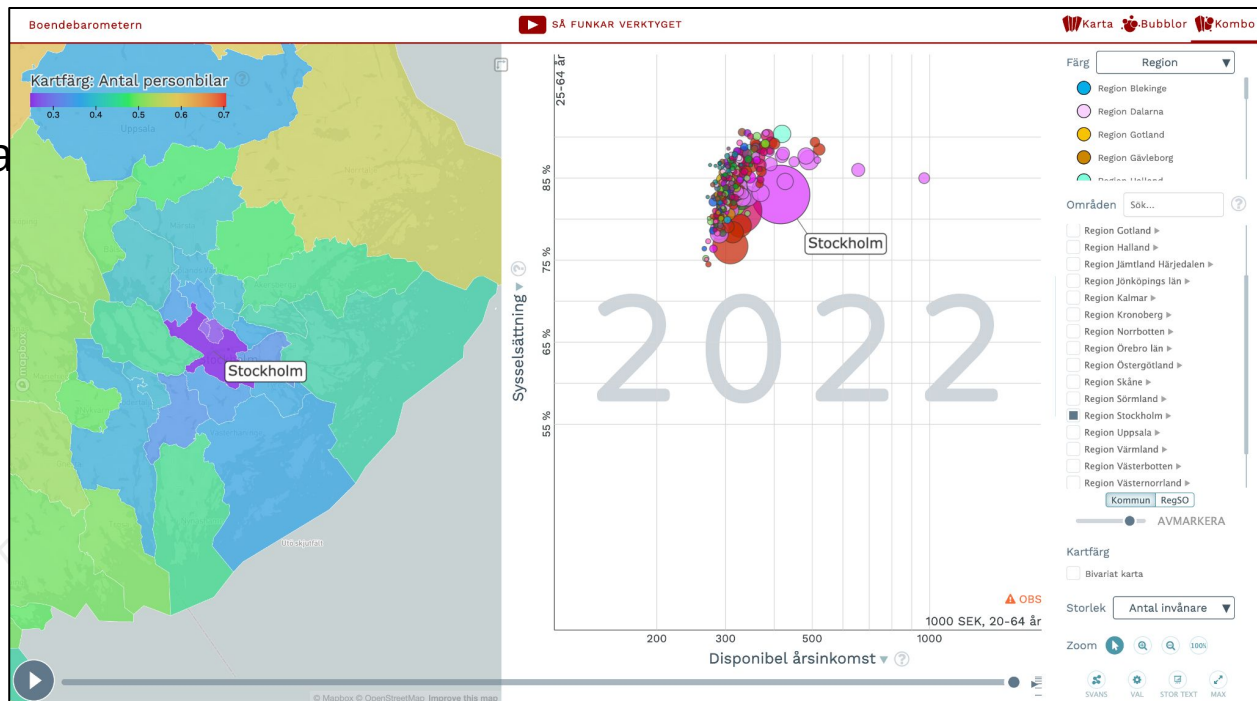
Väva in teckenförklaringar

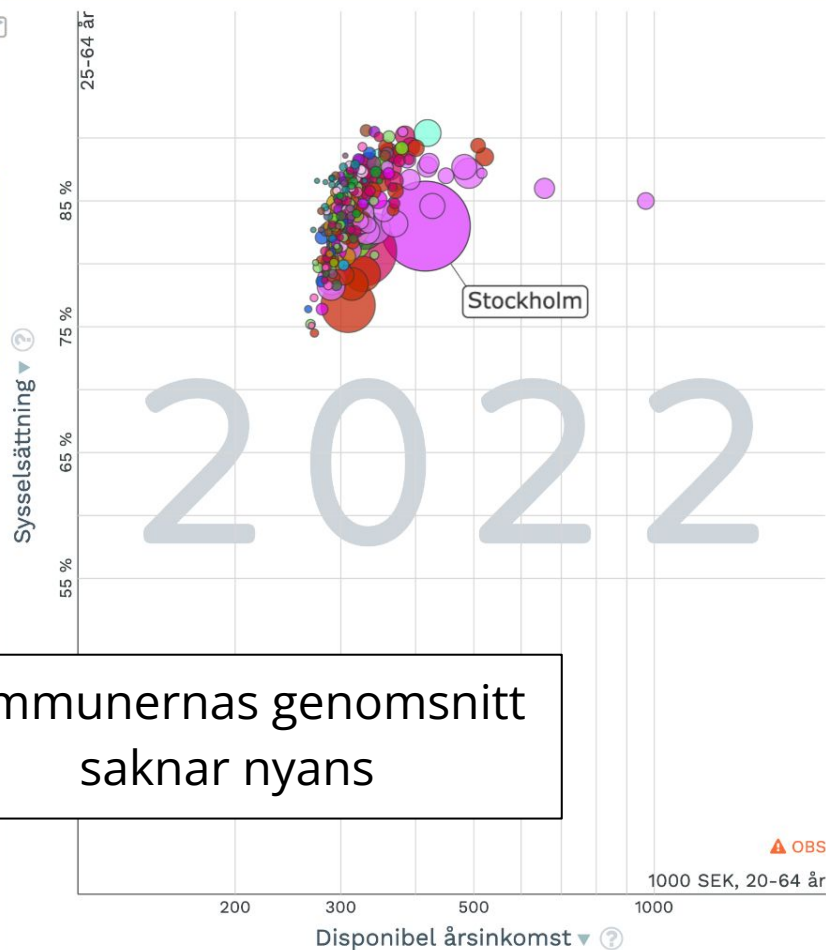
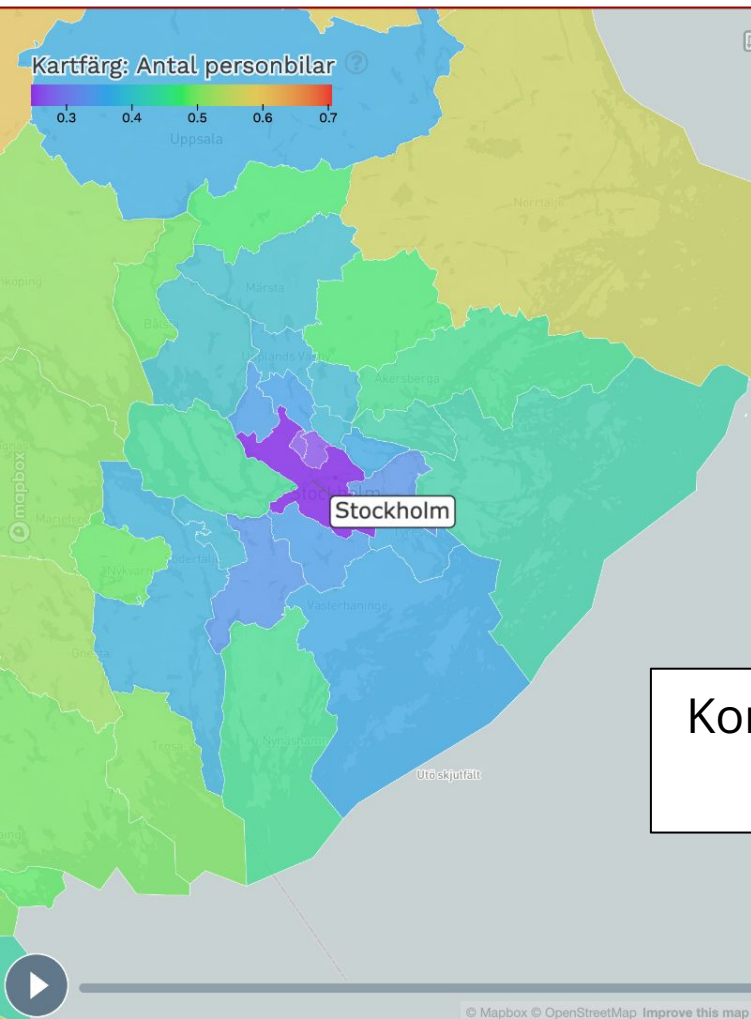
Färre aggregationer →

Animation: representera

Interaktivitet: användare

Glöm inte människor bak





Kommunernas genomsnitt
saknar nyans

Färg Region

- Region Blekinge
- Region Dalarna
- Region Gotland
- Region Gävleborg
- Region Halland

Områden Sök...

- ☐ Region Gotland ▶
- ☐ Region Halland ▶
- ☐ Region Jämtland Härjedalen ▶
- ☐ Region Jönköpings län ▶
- ☐ Region Kalmar ▶
- ☐ Region Kronoberg ▶
- ☐ Region Norrbotten ▶
- ☐ Region Örebro län ▶
- ☐ Region Östergötland ▶
- ☐ Region Skåne ▶
- ☐ Region Sörmland ▶
- ☒ Region Stockholm ▶
- ☐ Region Uppsala ▶
- ☐ Region Värmland ▶
- ☐ Region Västerbotten ▶
- ☐ Region Västernorrland ▶

Kommun RegSO

AVMARKERA

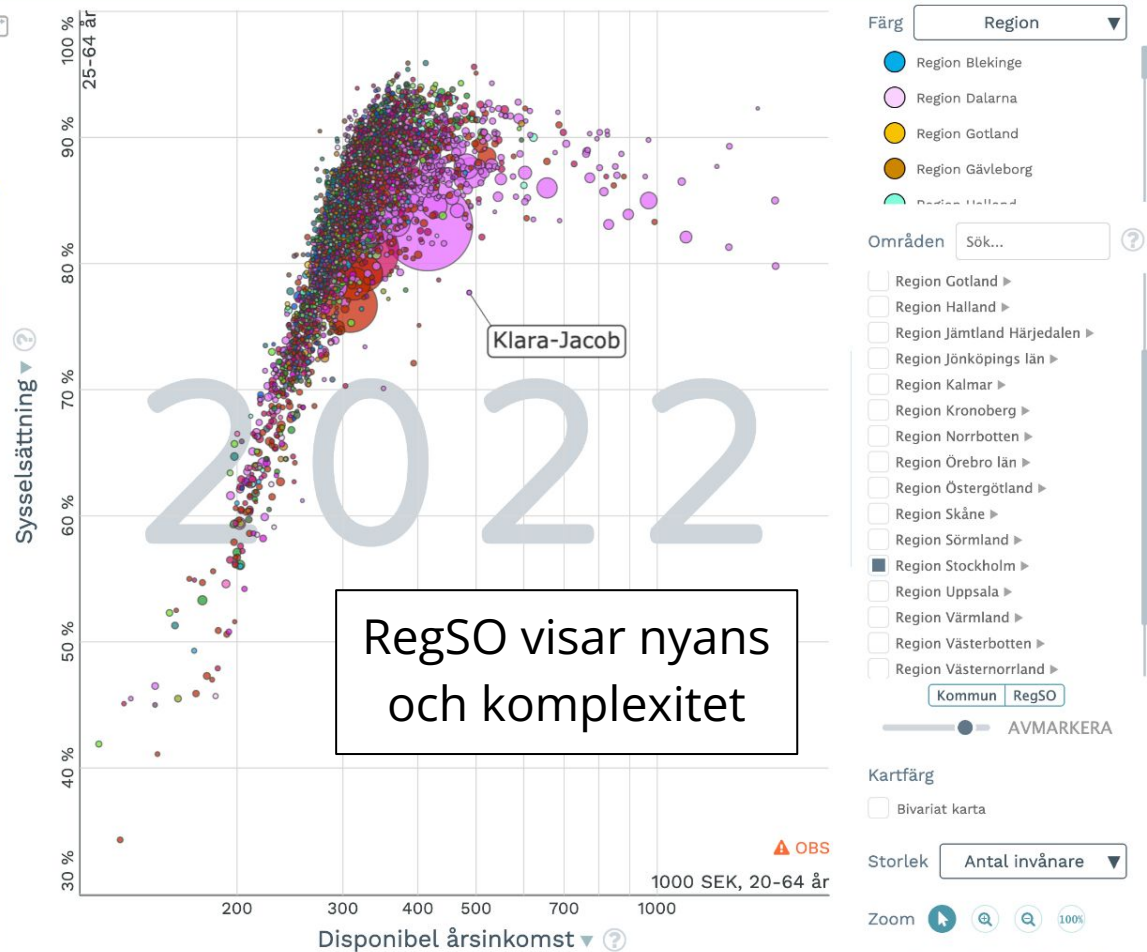
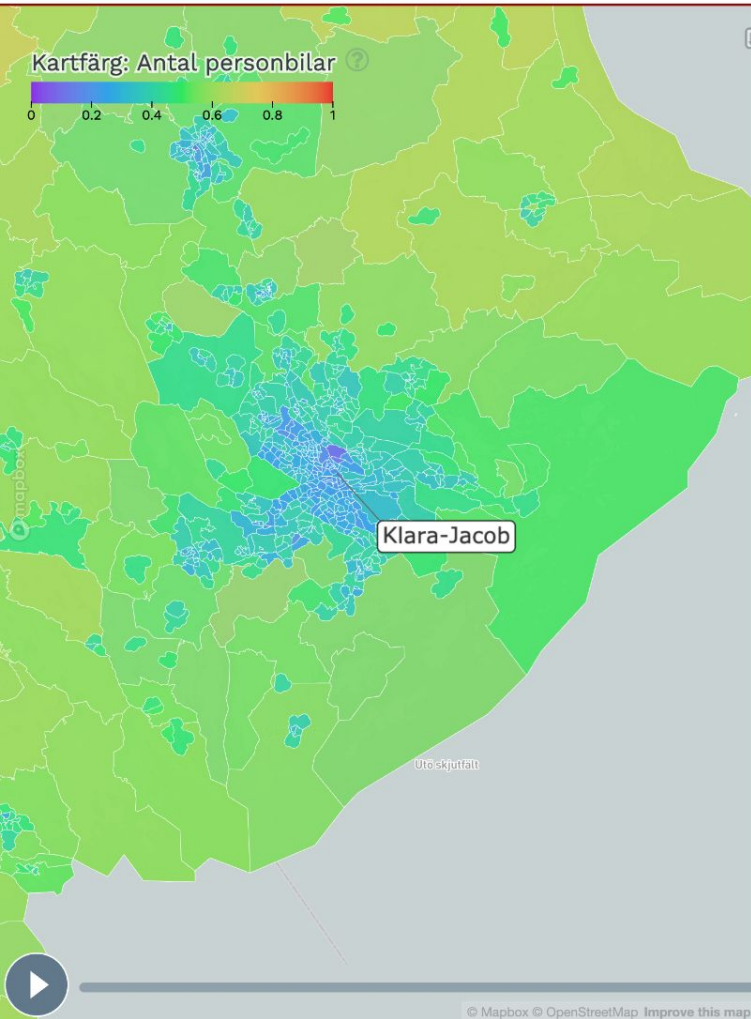
Kartfärg

☐ Bivariat karta

Storlek Antal invånare

Zoom

SVANS VAL STOR TEXT MAX



De praktiska tips för ökad förtroende i data

Färre abstraktioner

Väva in teckenförklaringar

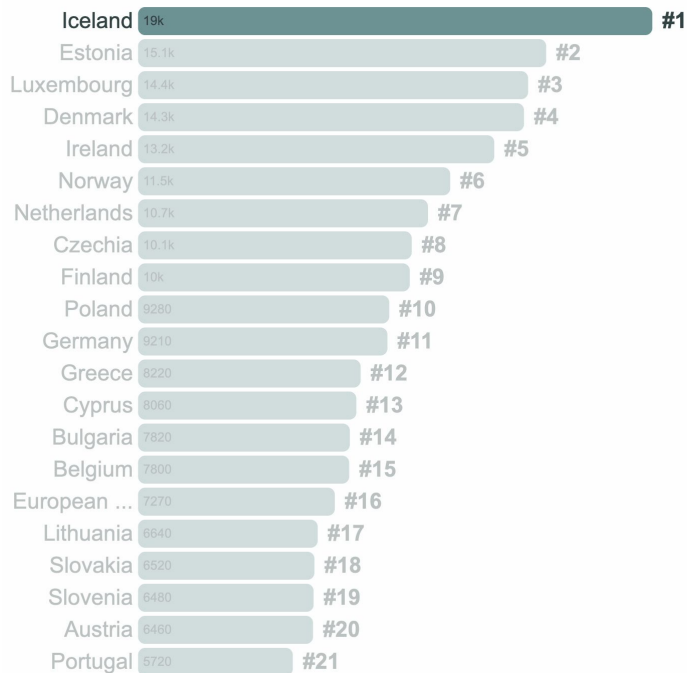
Färre aggregationer

Animation: representera tid som tid →

Interaktivitet: användare blir deltagare

Glöm inte människor bakom siffror

Växthusgasutsläpp per capita: Totalt ②



De praktiska tips för ökad förtroende i data

Migration between provinces in South Africa

from the presentation of Community survey 2016 in collaboration with Stats SA

Färre abstraktioner

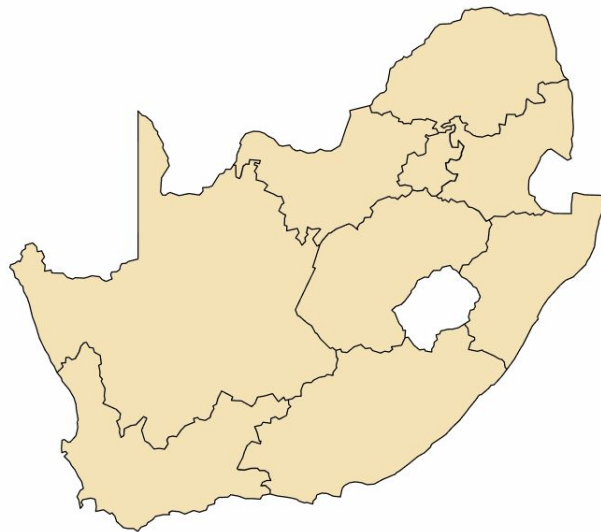
Väva in teckenförklaringar

Färre aggregationer

Animation: representera tid som tid

Interaktivitet: användare blir deltagare →

Glöm inte människor bakom siffror



De praktiska tips för ökad förtroende i data

Färre abstraktioner

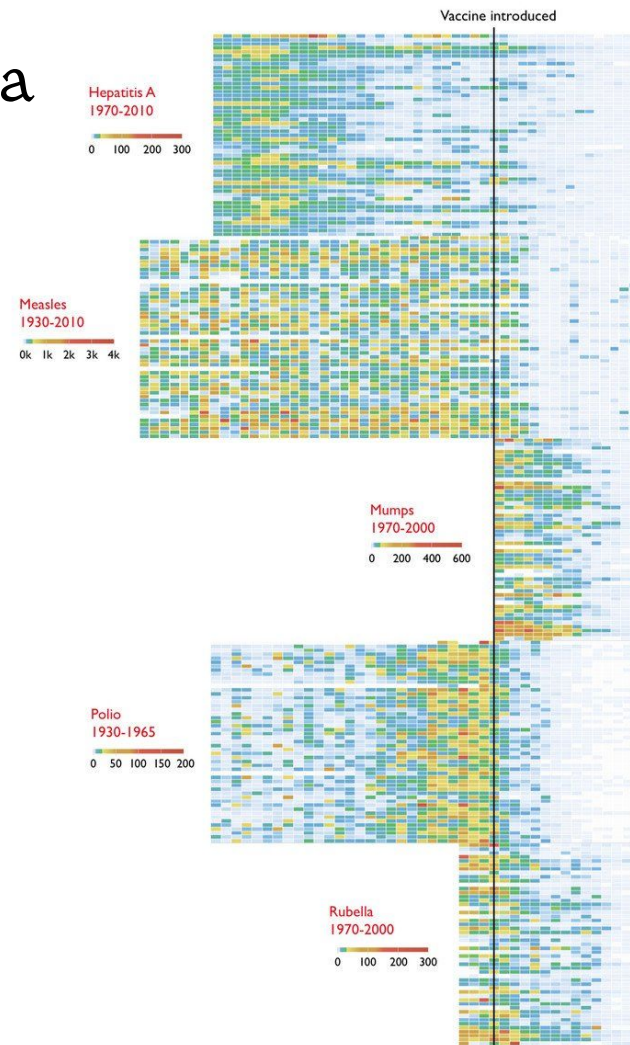
Väva in teckenförklaringar

Färre aggregationer

Animation: representera tid som tid

Interaktivitet: användare blir deltagare

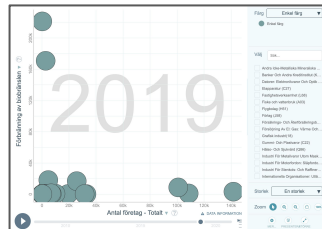
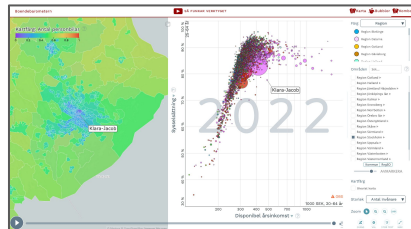
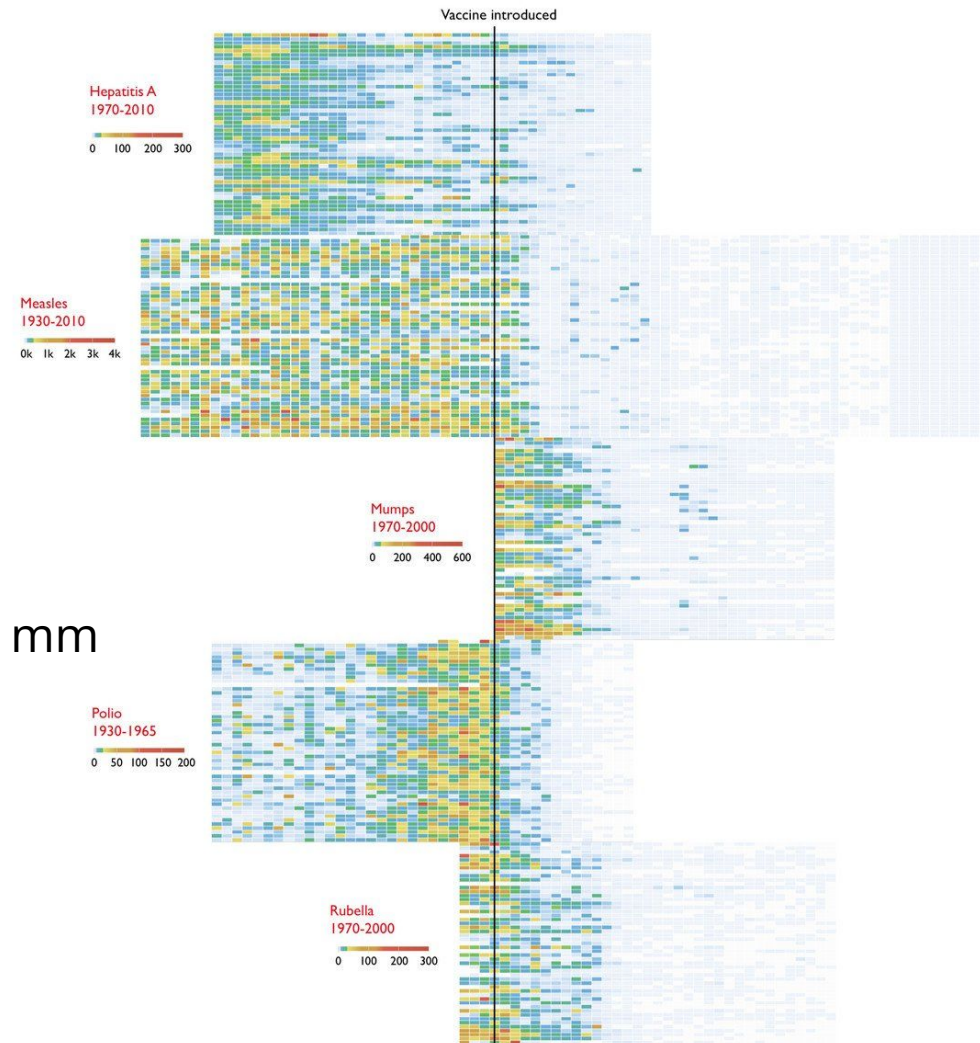
Glöm inte människor bakom siffror →



«If the truth can be told
so as to be understood,
it will be believed» (~William Blake)

Till alla samhällsbyggare:

Nu kan vi bekämpa missförstånd
på grannskapsnivå, SNI-bransch nivå, mm

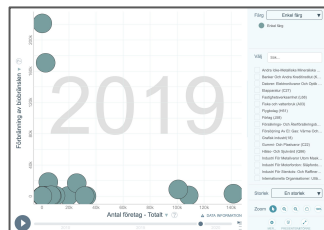
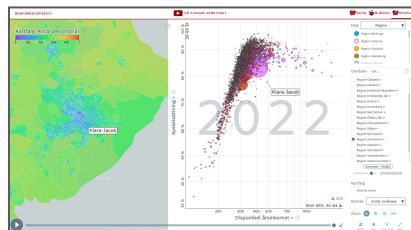


Animerad samhällsstatistik

Anlita visualiseringsproffsen

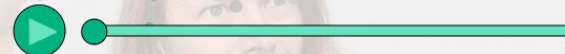
vizabi.com

exempel:



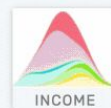
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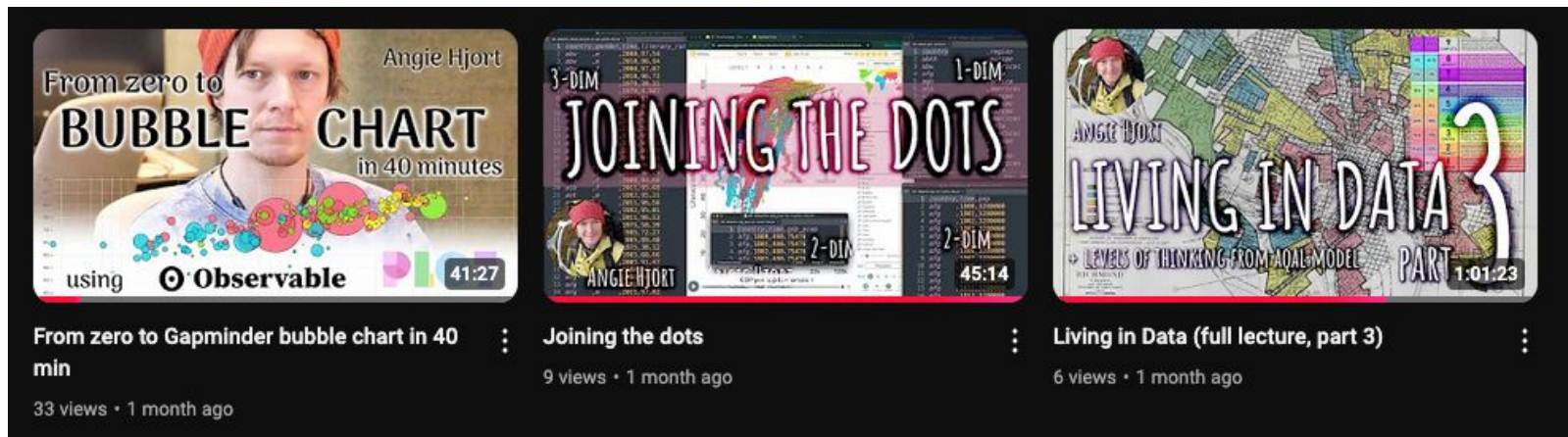


Free to use

Vizabi software is open source, offered

Pay for support and
customisation

Lära sig visualisera



Visual Encodings youtube

<https://www.youtube.com/@VisualEncodings/videos>