















"I want to show off to my colleagues"

"I want something cool"

"I want something intuitive"

"I want showcase what is possible"

"I want something interactive"

"I want something that looks beautiful"

"I want to tell a story"



SKILLS

## CREATE

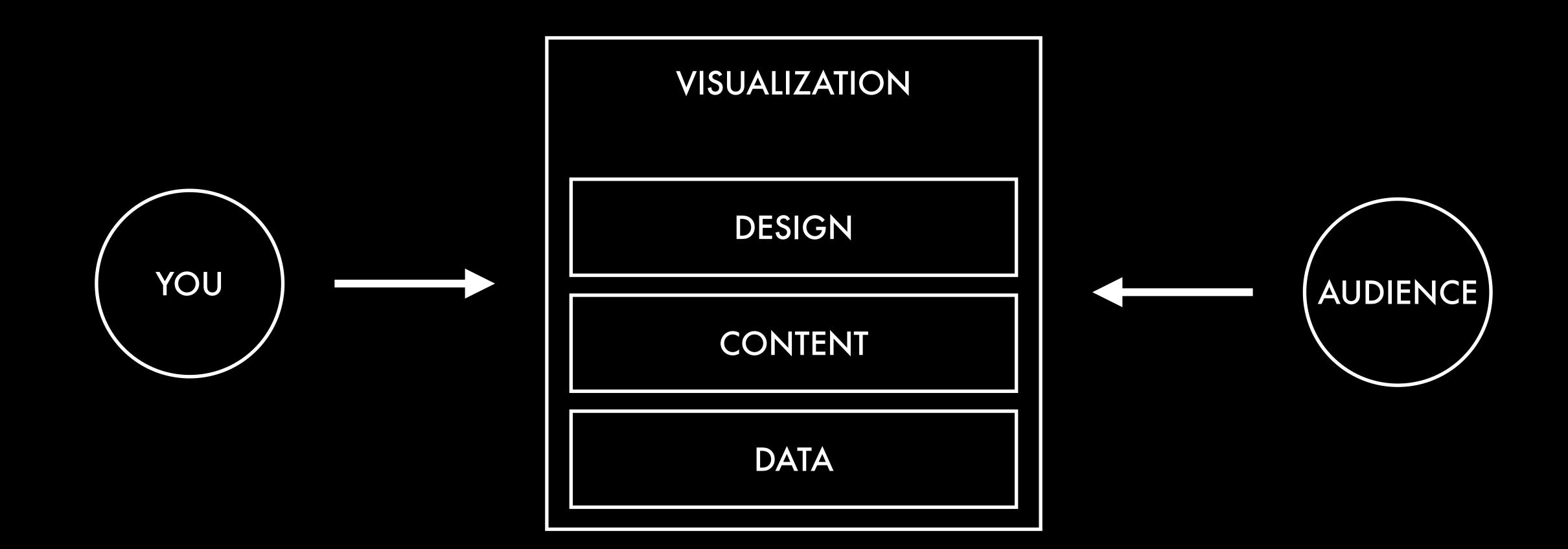
# EVALUATE





3

AREAS





4

# OBJECTIVES

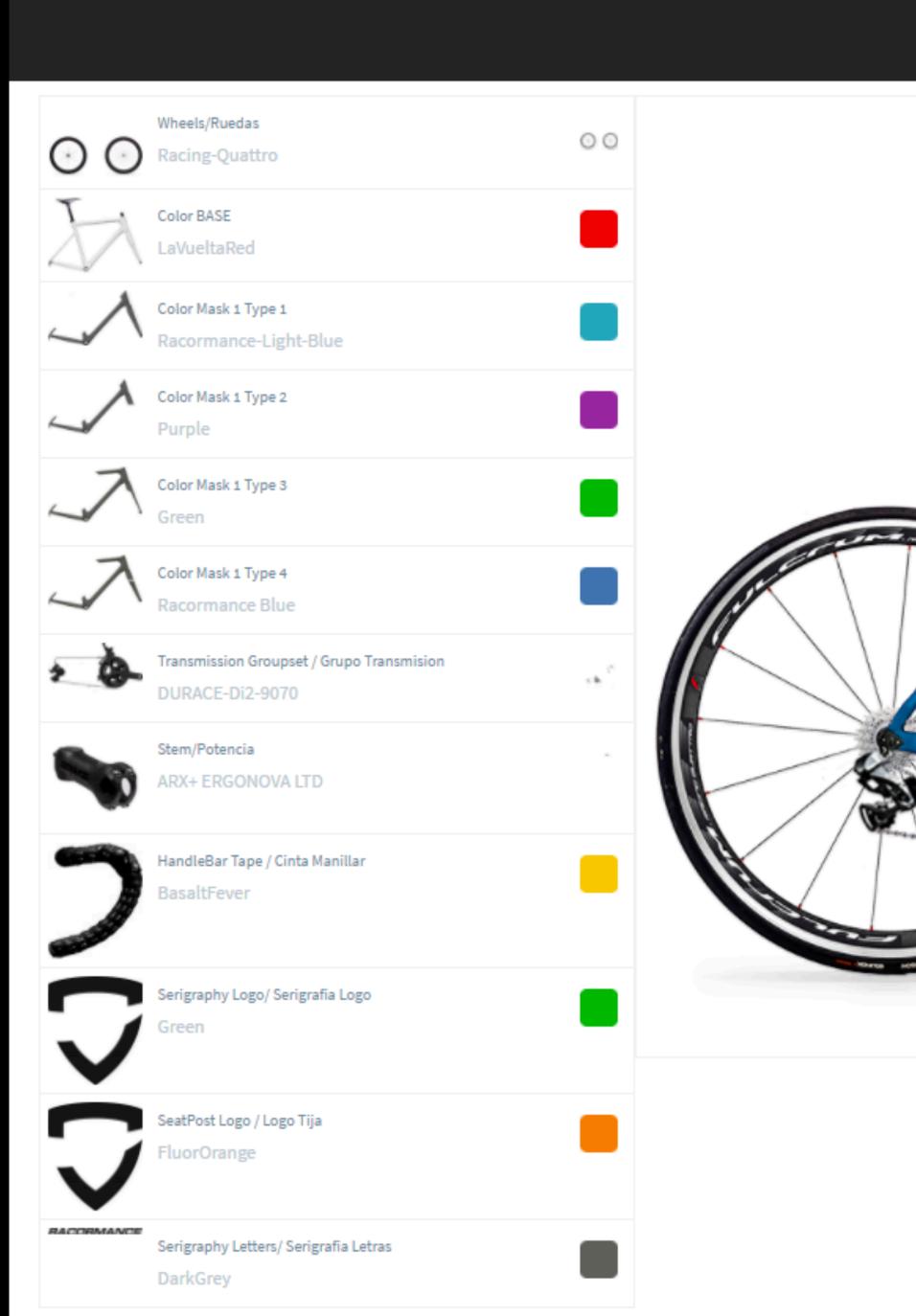
# NOVELTY



## AESTHETIC APPEAL

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# TAILORING & RESONALIZATION



# CHALLENGE & GAME PLAY

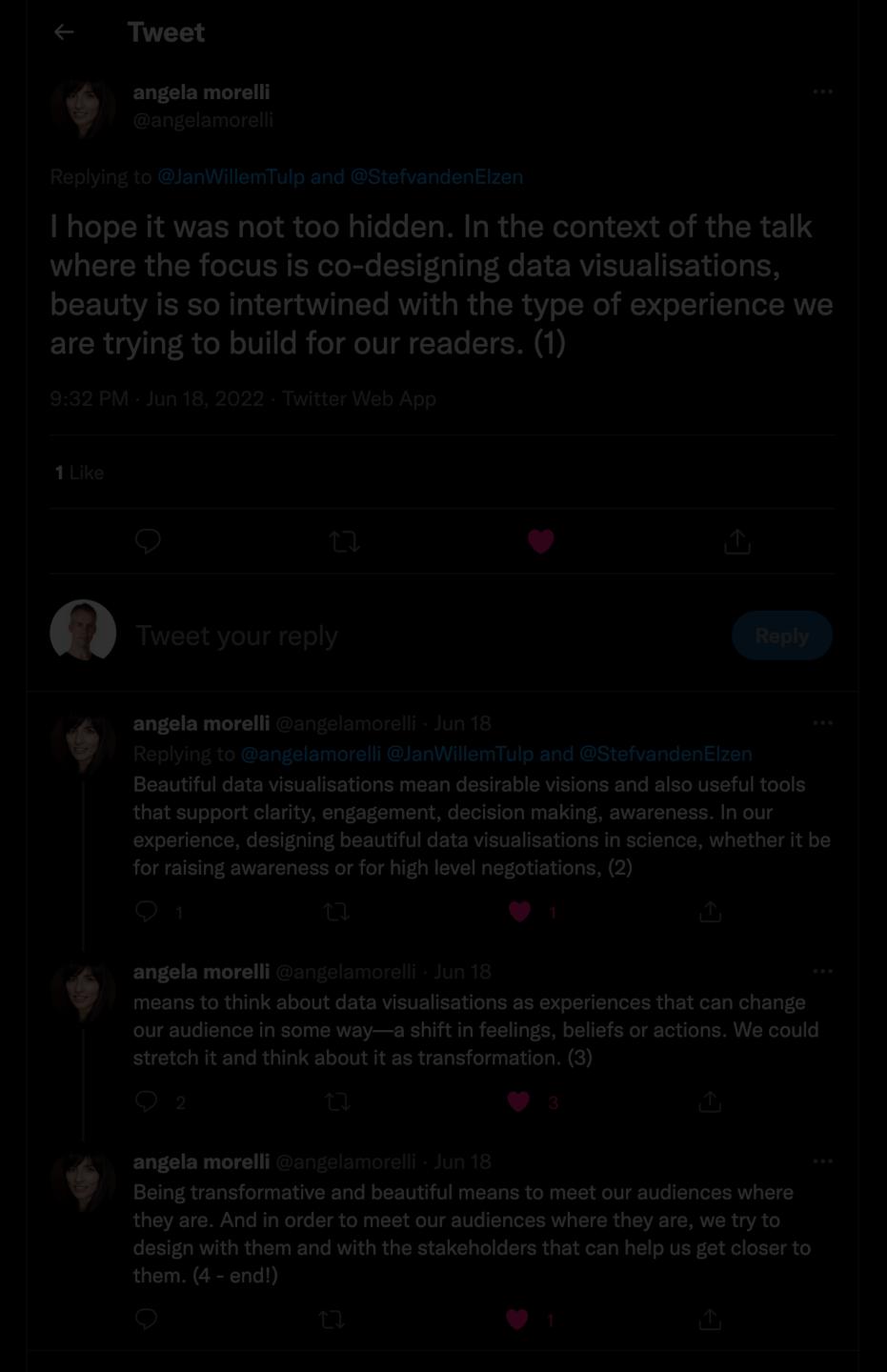








hope it was not too hidden. In the context of the talk where the focus is co-designing data visualisations, beauty is so intertwined with the type of experience we are trying to build for our readers. (1)  2:32 PM · Jun 18, 2022 · Twitter Web App  Tweet your reply  angela morelli @angelamorelli · Jun 18  Replying to @angelamorelli @JanWillemTulp and @StefvandenElzen  Beautiful data visualisations mean desirable visions and also useful tools that support clarity, engagement, decision making, awareness. In our experience, designing beautiful data visualisations in science, whether it be for raising awareness or for high level negotiations, (2)  angela morelli @angelamorelli · Jun 18  means to think about data visualisations as experiences that can change our audience in some way—a shift in feelings, beliefs or actions. We could stretch it and think about it as transformation. (3)  angela morelli @angelamorelli · Jun 18  Being transformative and beautiful means to meet our audiences where they are. And in order to meet our audiences where they are. And in order to meet our audiences where they are, we try to design with them and with the stakeholders that can help us get closer to	<b>←</b>	Tweet								
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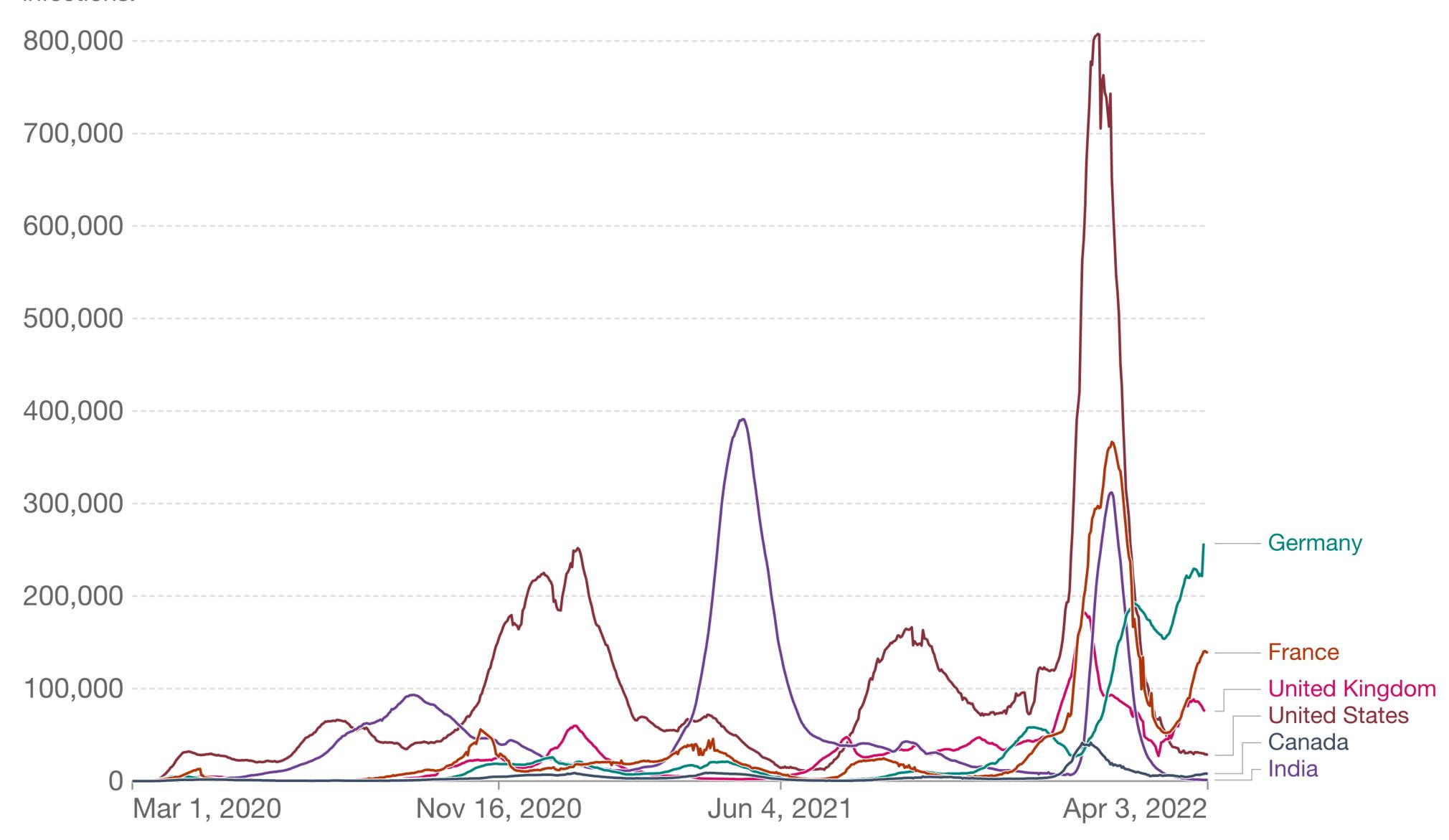
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#### Daily new confirmed COVID-19 cases



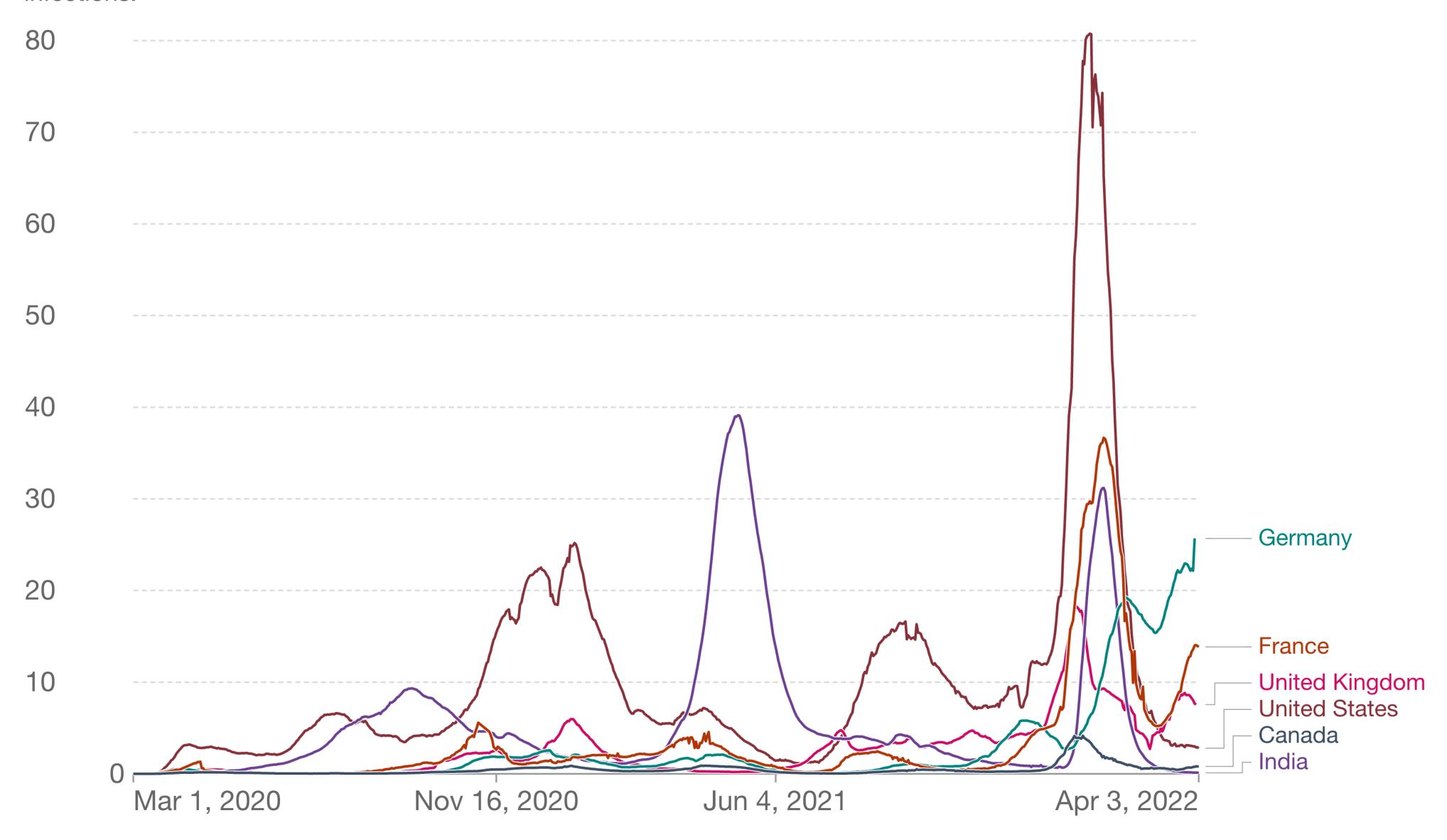
7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.

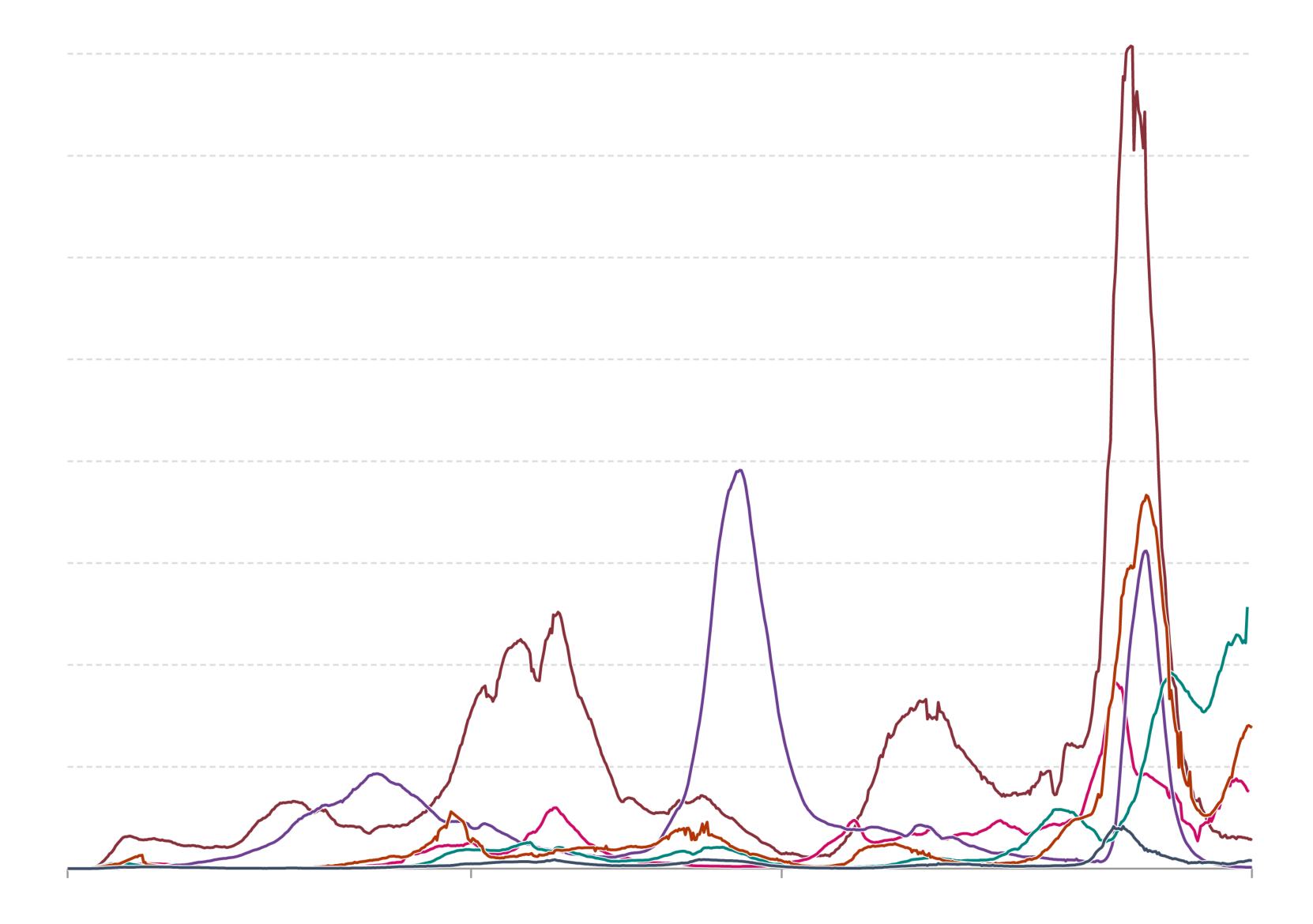


#### Daily new confirmed COVID-19 cases



7-day rolling average. Due to limited testing, the number of confirmed cases is lower than the true number of infections.





#### COVID-19 spreading rates

Get an intuitive 'feel' of new COVID-19 cases spreading rates. This simulation shows you the *average* rate of newly reported COVID-19 cases between 1 April 2022 and 7 April 2022 for each country.



absolute

per 1.000.000

1344

total:

the 'actual' rate of reported new normalized, as if each country had a cases for each country population of 1.000.000

1 person with COVID-19 reported in European Union

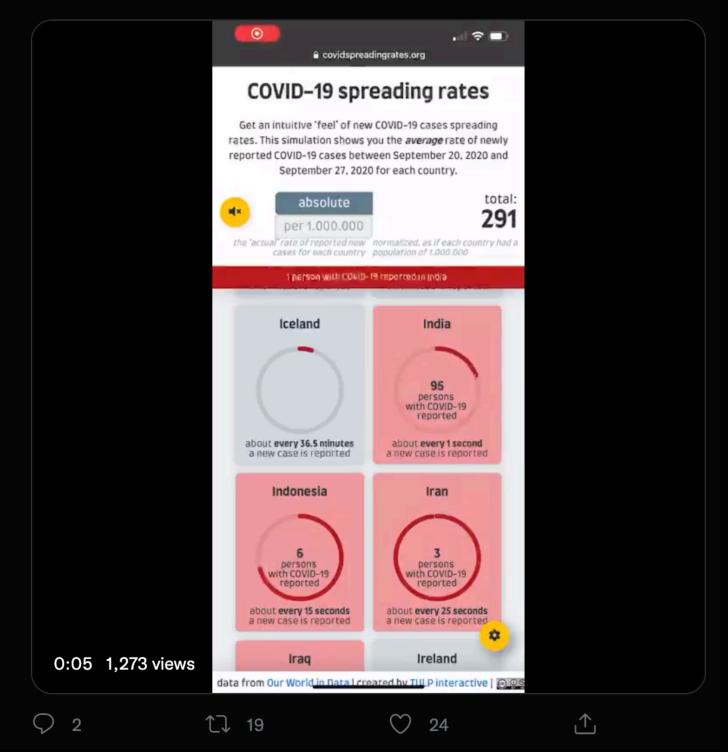
#### Since the moment you started viewing this page...





covidspreadingrates.org

#### #COVID19 #coronavirus





Roberto Rocha 🚱 @robroc · Oct 8, 2020

Interesting way to visualize the spread of Covid-19: not as daily infection curves, but as the average time for a new case.

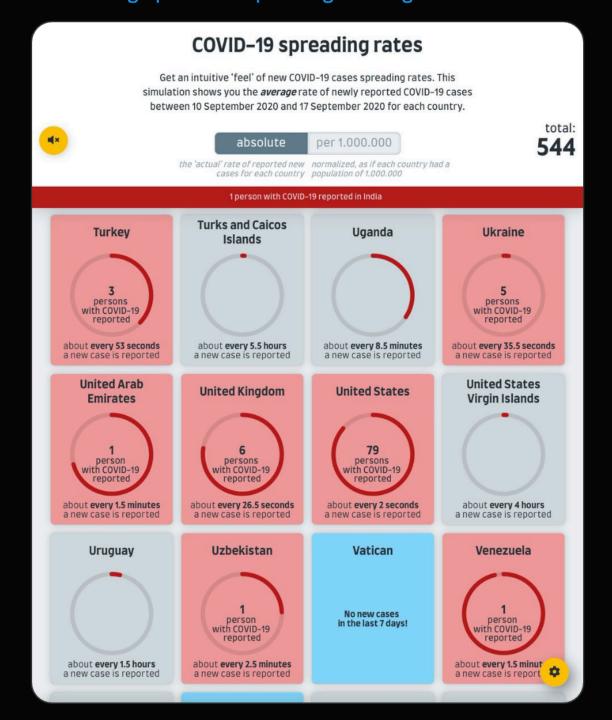
covidspreadingrates.org





Mark Eastwood @designedbymark · Sep 17, 2020

Beautifully visualised but scary to watch #COVID19 rates by country in 'real time' #infographic covidspreadingrates.org

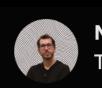




James @collettretail · Sep 16, 2020

But sure, let's go back to working in Offices (THE US THO 😯) covidspreadingrates.org





Nassos Kappa @nassoskappa · Sep 15, 2020

This is very informative but scary covidspreadingrates.org





Janis Wong @janiswong\_ · Sep 21, 2020

Superb visualisation on how covid is spreading. See how many seconds it takes for a positive case to be confirmed in each country covidspreadingrates.org

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Istvan Hajnal @IstvanHajnal · Sep 14, 2020

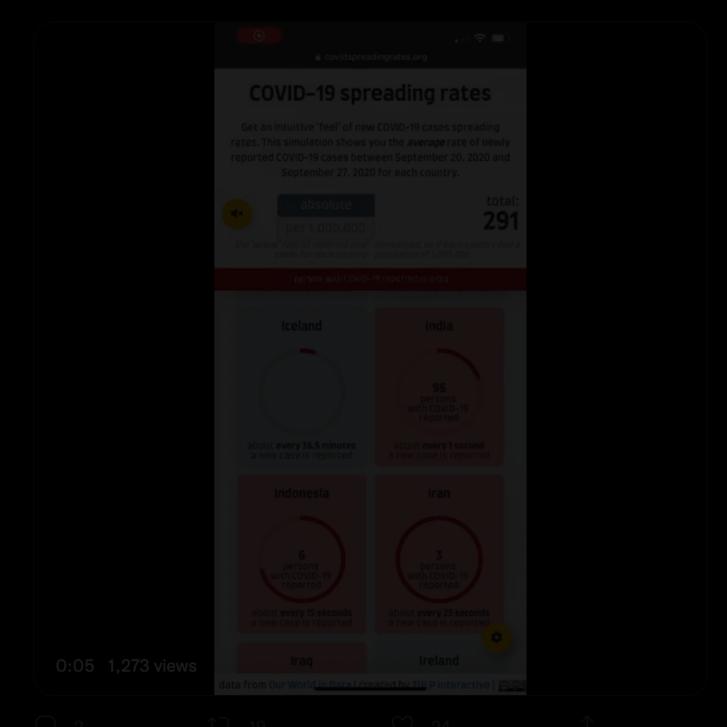
Nice tool by @JanWillemTulp that gives you an intuitive feel of new #COVID19 cases spreading rates (between 7/9/20 and 14/9/20). Here's a screenshot of the relative view for a selection of countries.

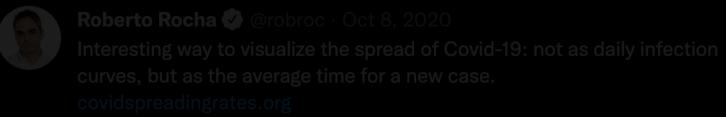
Try it out for your selection of countries at covidspreadingrates.org

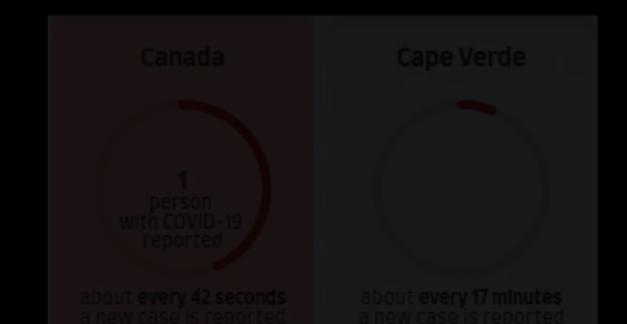




This is compelling and... terrifying.

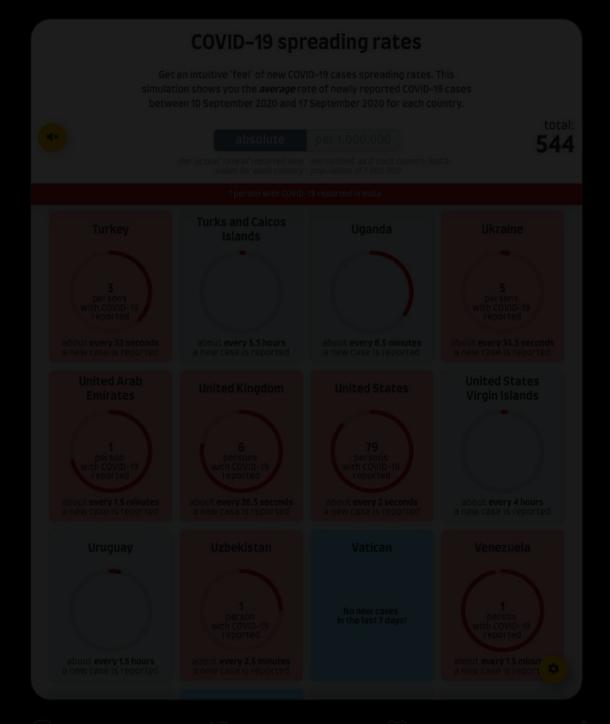


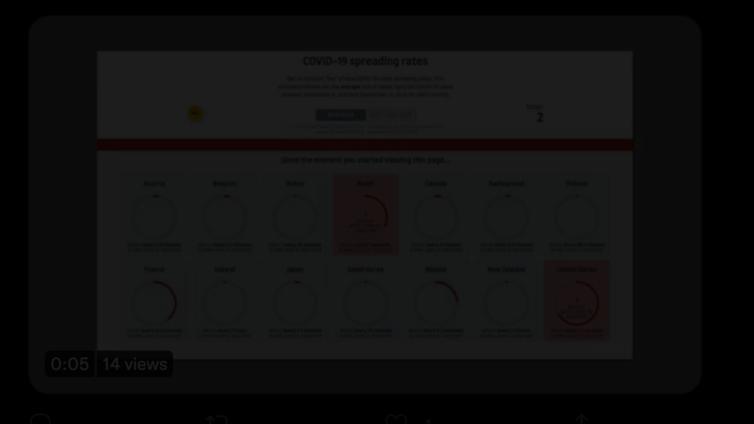




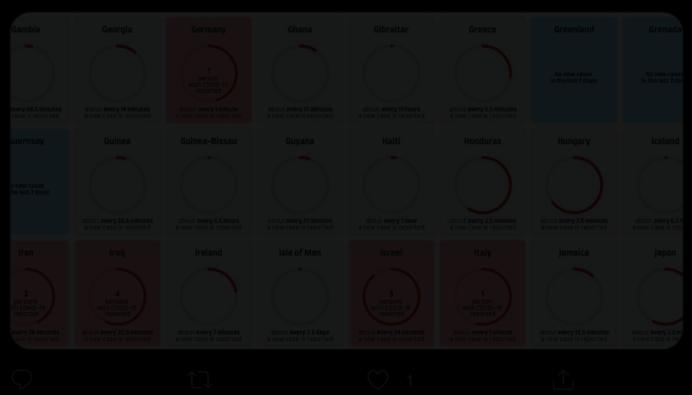


Beautifully visualised but scary to watch #COVID19 rates by country in 'real This is very informative but scary covidspreadingrates.org















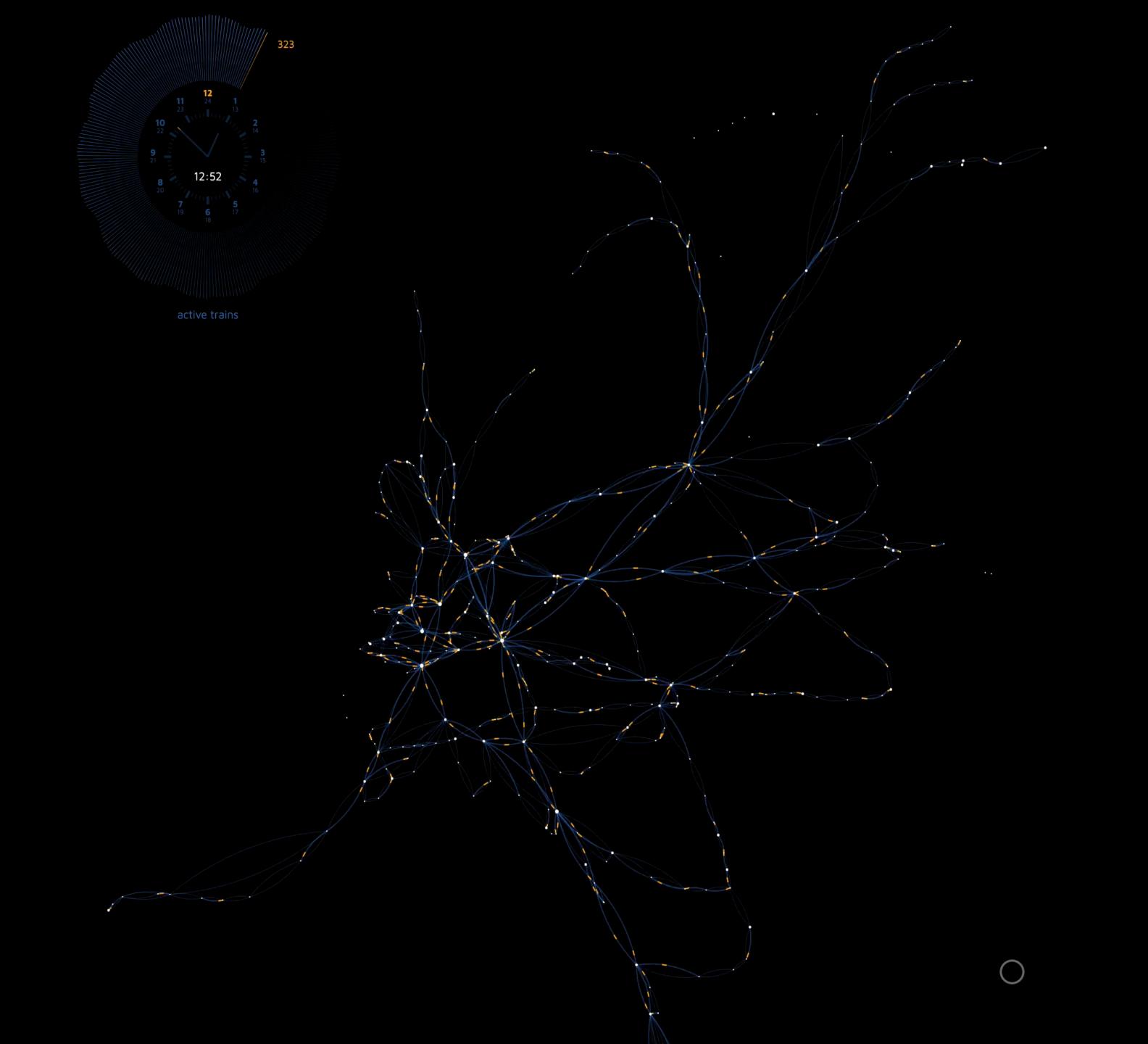
# RIDINGLIGHT

1. Think about the "Human Scale" of your data

2. Create a direct experience / simulation



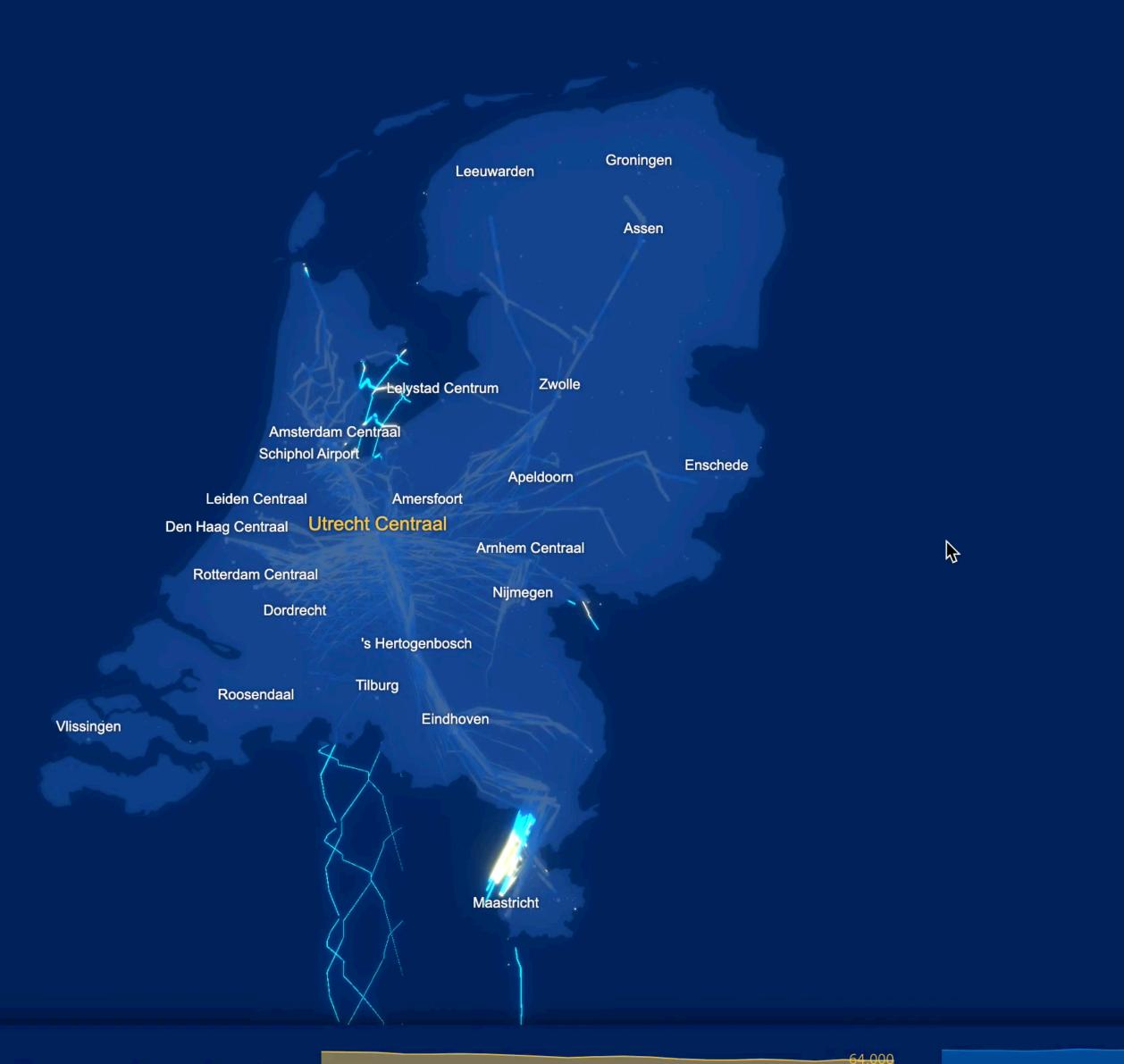




### Treinverkeer in Nederland op een gemiddelde werkdag

#### Geselecteerd station: Utrecht Centraal

De kaart laat het treinverkeer in Nederland op een gemiddelde werkdag zien van alle treinen die gedurende hun reis een stop maken op station Utrecht Centraal. Als de treinen over de kaart van station naar station bewegen laten ze een 'spoor' achter. Wanneer je op de knop rechts onderaan klikt, kun je wisselen tussen de kaart weergave, en een weergave waarbij je alle 'sporen' van de hele dag kunt bekijken.



Weinig passagiers

Veel passagiers

CO<sub>2</sub> besparing

aantal reizigers
in heel Nederland

aantal treinen
in heel Nederland

Toon 24 uur treinsporen

- 1. Question your assumptions
- 2. Consider the possibility of using 3D







## Power Switcher

The Power Switcher gives you your very own overview of the development of Switzerland's power supply. You decide whether and to what extent solar, wind and other power sources will be used in the future – and you're challenged to ensure an adequate power supply month to month. Use the sliders at the bottom left to configure the expansion of photovoltaics, electricity imports and more. In the illustrations at the bottom right, you can see right away whether you could supply Switzerland with the settings you have chosen. Does the light go out or stay on? It's up to you!

Share the Power Switcher









#### Adjust Settings

Scenario (i) Choose a future scenario for Switzerland

#### Axpo

Energy perspectives 2050+

Current Expansion Speed

National Councillor Grossen

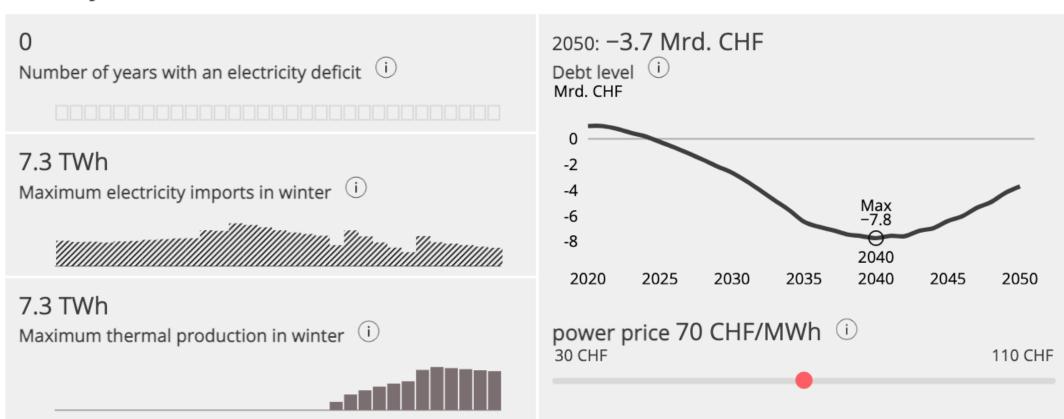
National Councillor Nordmann

Former National Councillor Rechsteiner

Helion

The Axpo scenario: significant increase in demand due to sector coupling, expansion of renewable energies, efficiency gains, gas-topower and imports.

#### Key Results



#### Annual electricity mix 0



Show Import potential

Capacity (i)

Adjust the power plant capacities





## Power Switcher

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Share the Power Switcher



#### Adjust Settings

Choose a future scenario for Switzerland

Axpo

Energy perspectives 2050+

**Current Expansion Speed** 

National Councillor Grossen

National Councillor Nordmann

Former National Councillor Rechsteiner

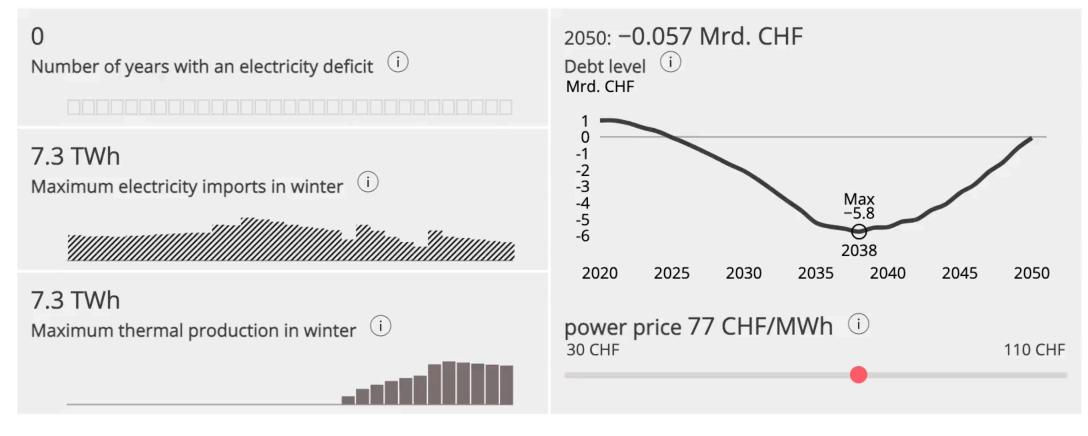
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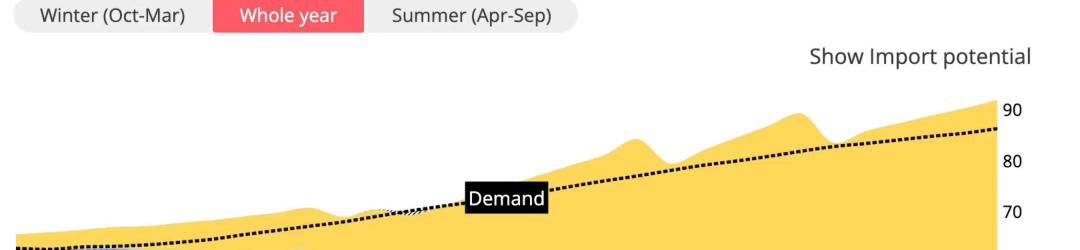
∧ Capacity (i)

Adjust the power plant capacities

#### ^ Key Results

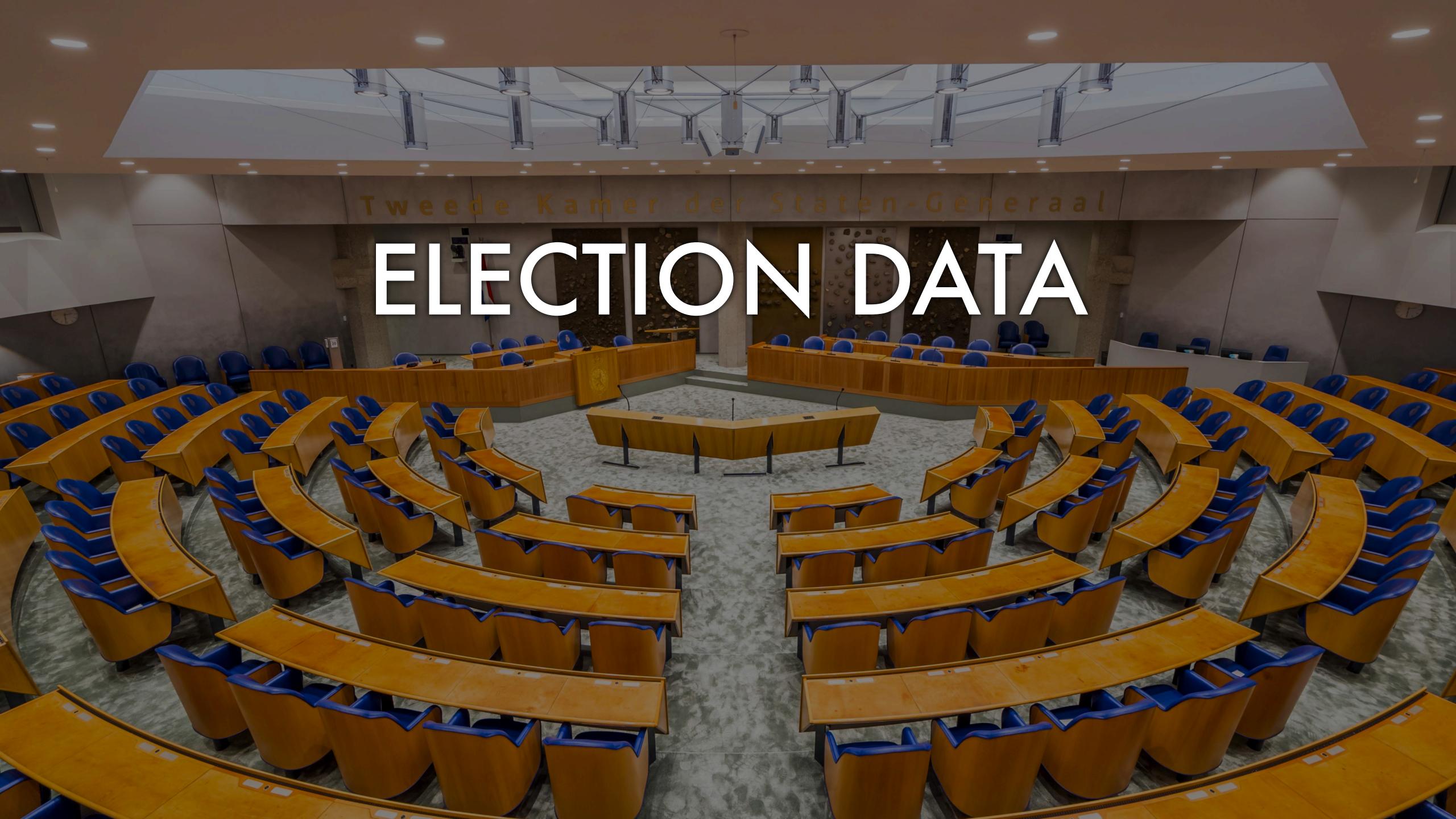


#### ^ Annual electricity mix 0

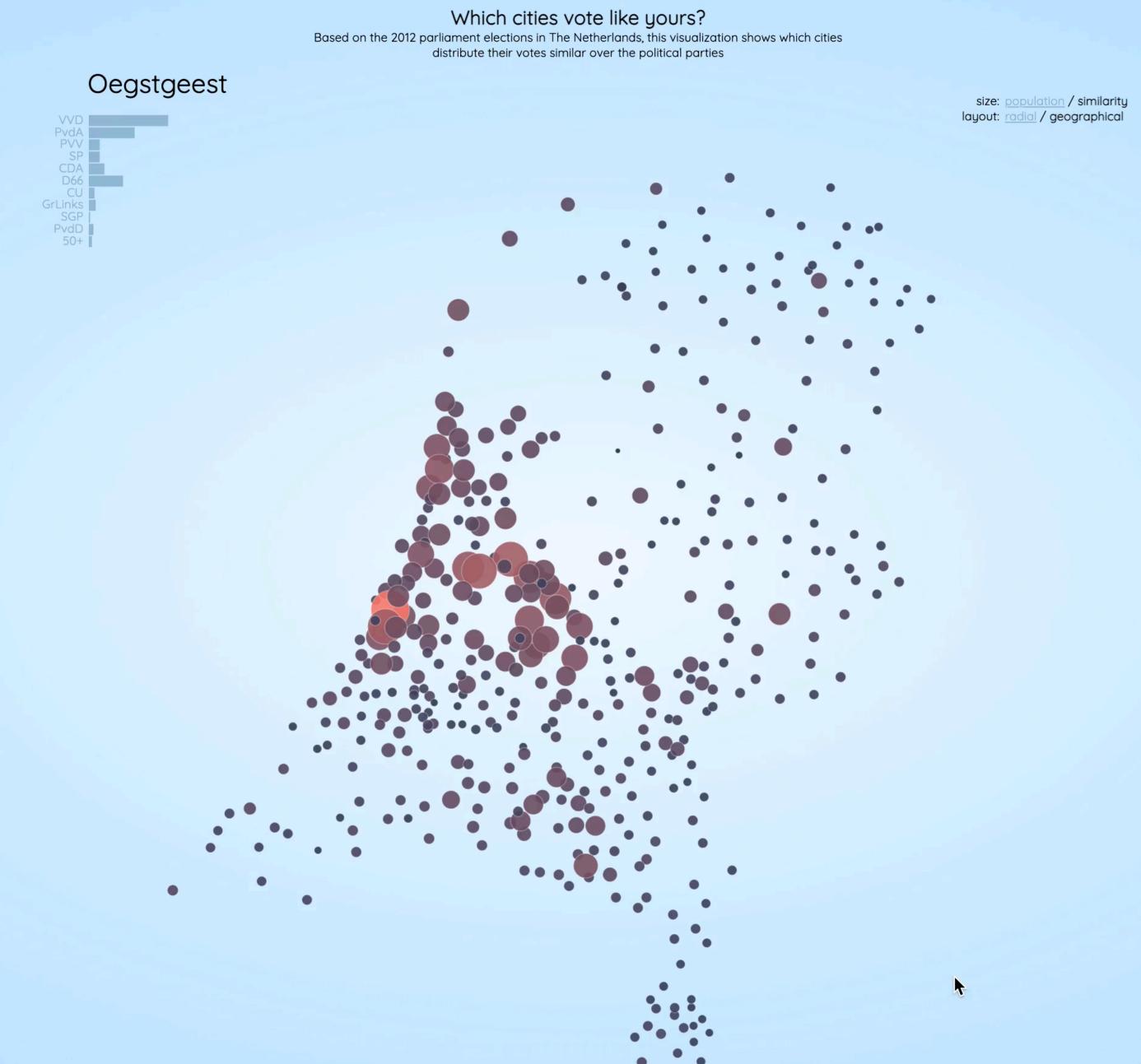


- 1. Apply interactivity so that users can explore and try out situations immediately
- 2. Link multiple views so that interactive changes are reflected in multiple ways





#### **CLOSE VOTES**



- 1. Take a new perspective on a familiar dataset
- 2. Don't give away everything so that users can discover and learn themselves



### THANK YOU



