



Advanced data visualization

Dr. Matthias Stahl | higsch data & design | 21 June 2021

 @h_i_g_s_c_h

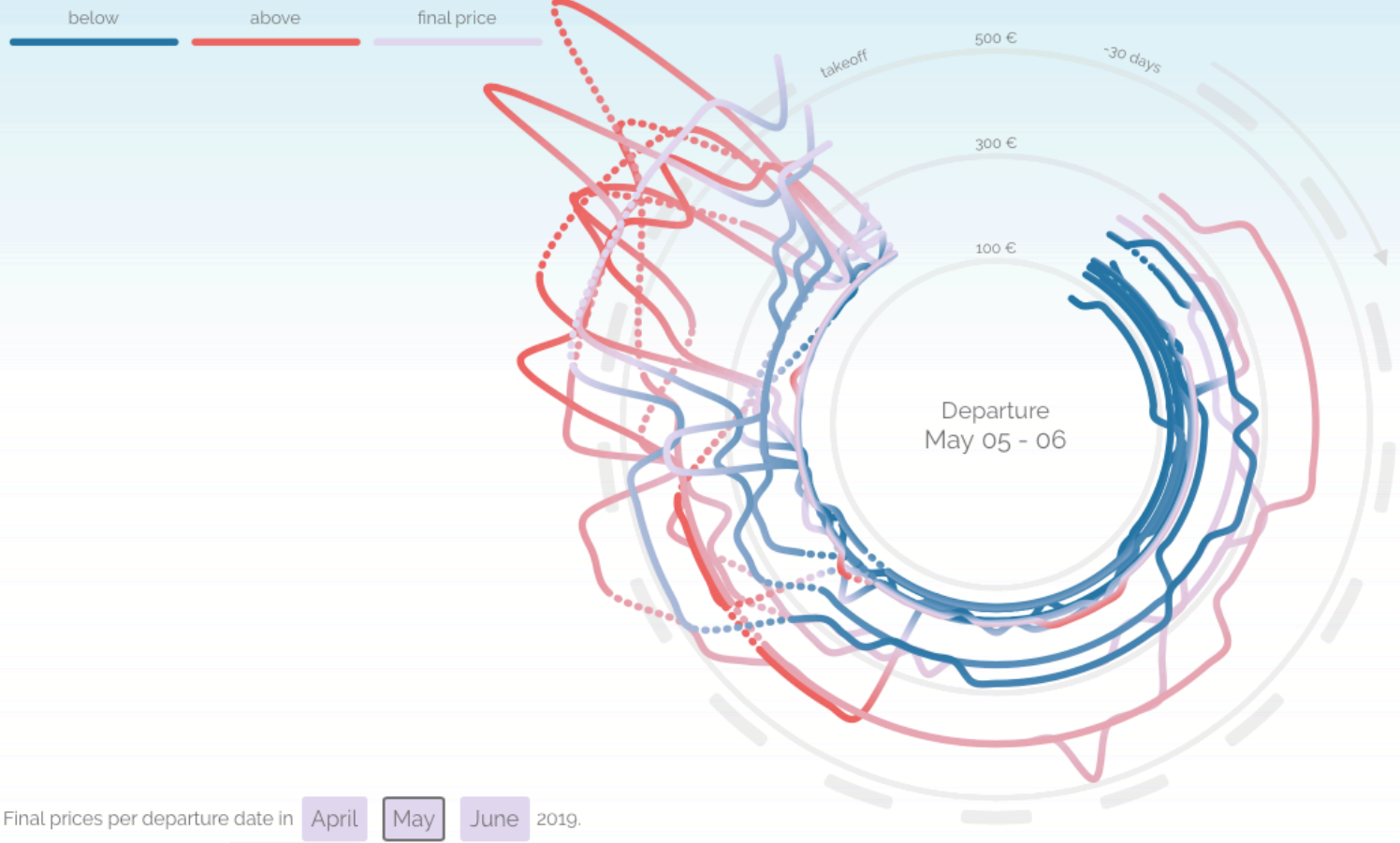


30 days to takeoff

Following thousands of flight prices starting a month before departure.

How to read this chart

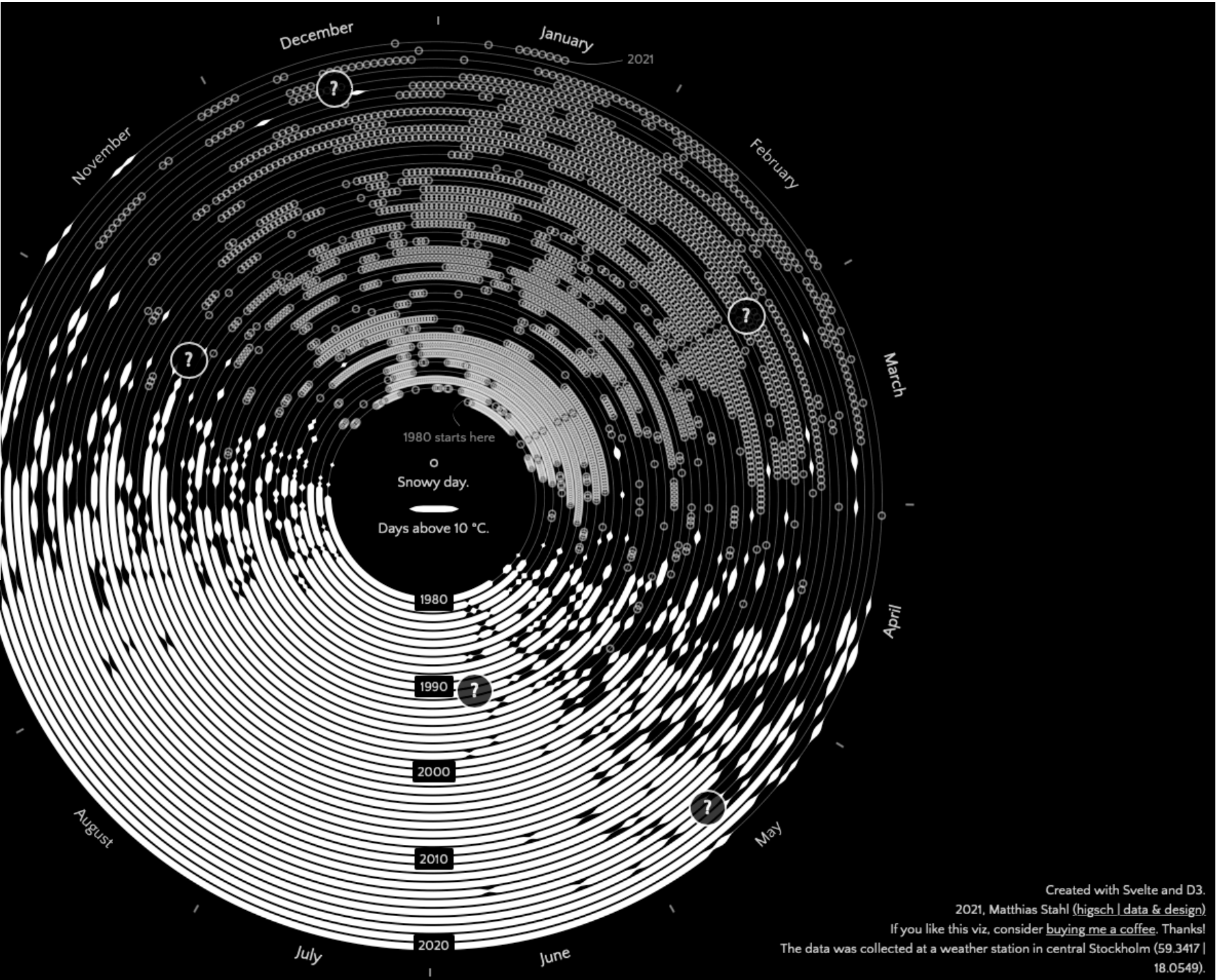
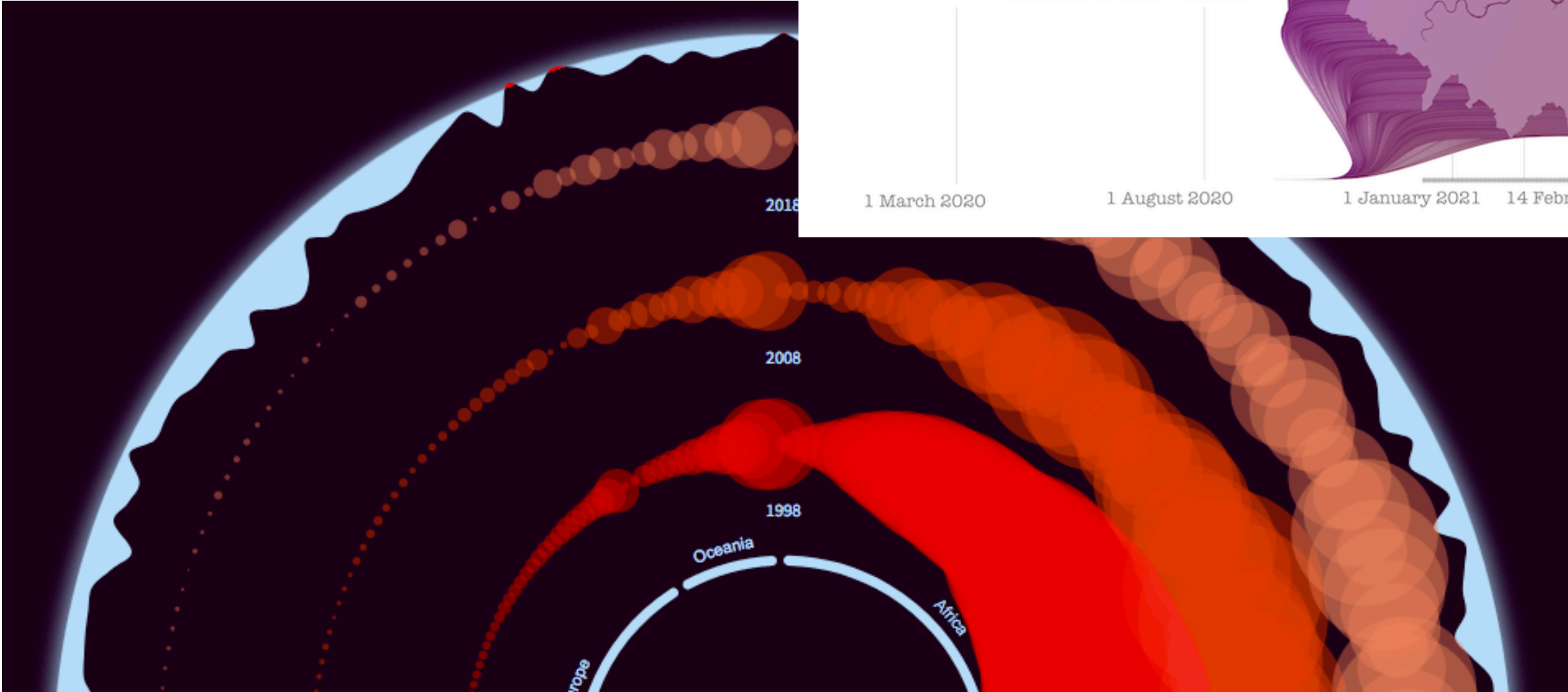
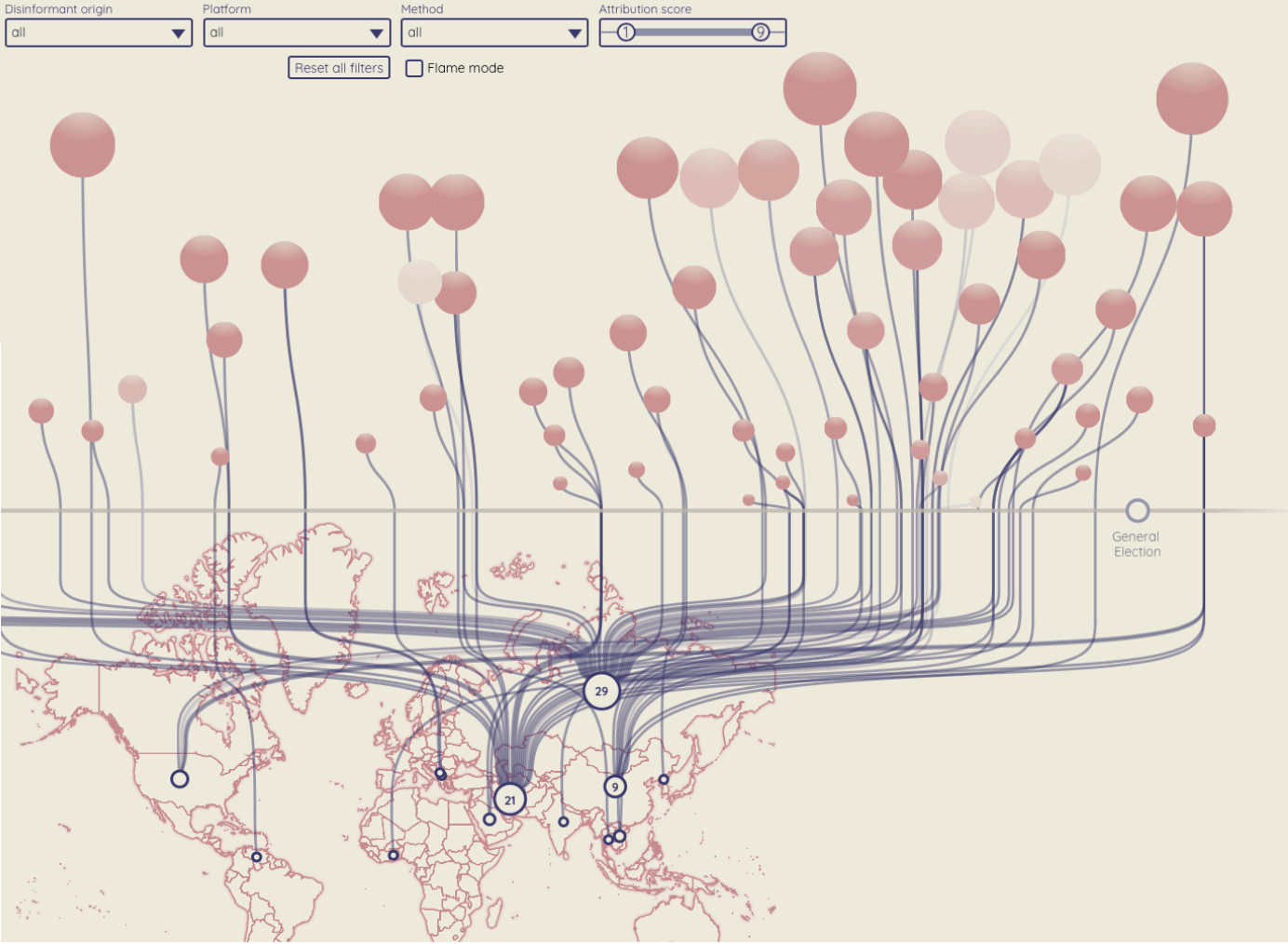
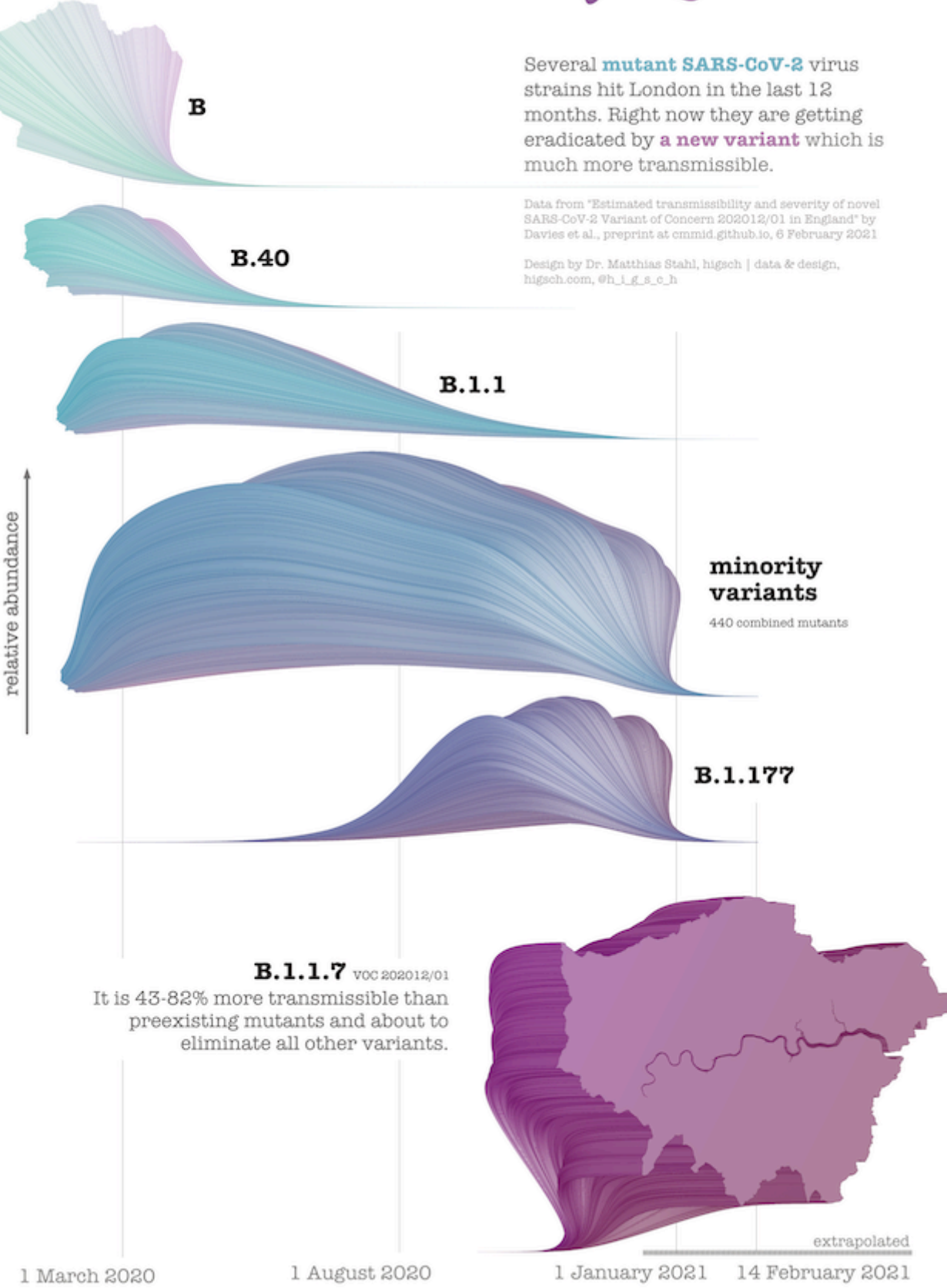
Each line is showing prices for a flight from Stockholm to Frankfurt for one passenger – collected from 30 days before departure until the day before takeoff. The color at each time point tells whether the price is above or below the final price.



Mutant Waves of London

Several **mutant SARS-CoV-2** virus strains hit London in the last 12 months. Right now they are getting eradicated by **a new variant** which is much more transmissible.

Data from "Estimated transmissibility and severity of novel SARS-CoV-2 Variant of Concern 202012/01 in England" by Davies et al., preprint at cmmid.github.io, 6 February 2021
Design by Dr. Matthias Stahl, higsch | data & design, higsch.com, @h_i_g_s_c_h



Created with Svelte and D3.
2021, Matthias Stahl (higsch | data & design)
If you like this viz, consider buying me a coffee. Thanks!
The data was collected at a weather station in central Stockholm (59.3417 | 18.0549).

Today

Our tools

Our project

Ask questions in the chat. | Regular screen breaks every ~30 min.



Our tools

Svelte



Front-end framework

- Setting the stage
- Drawing all elements
- Handling interactivity

D3



Graphics library

- the math
- the paths



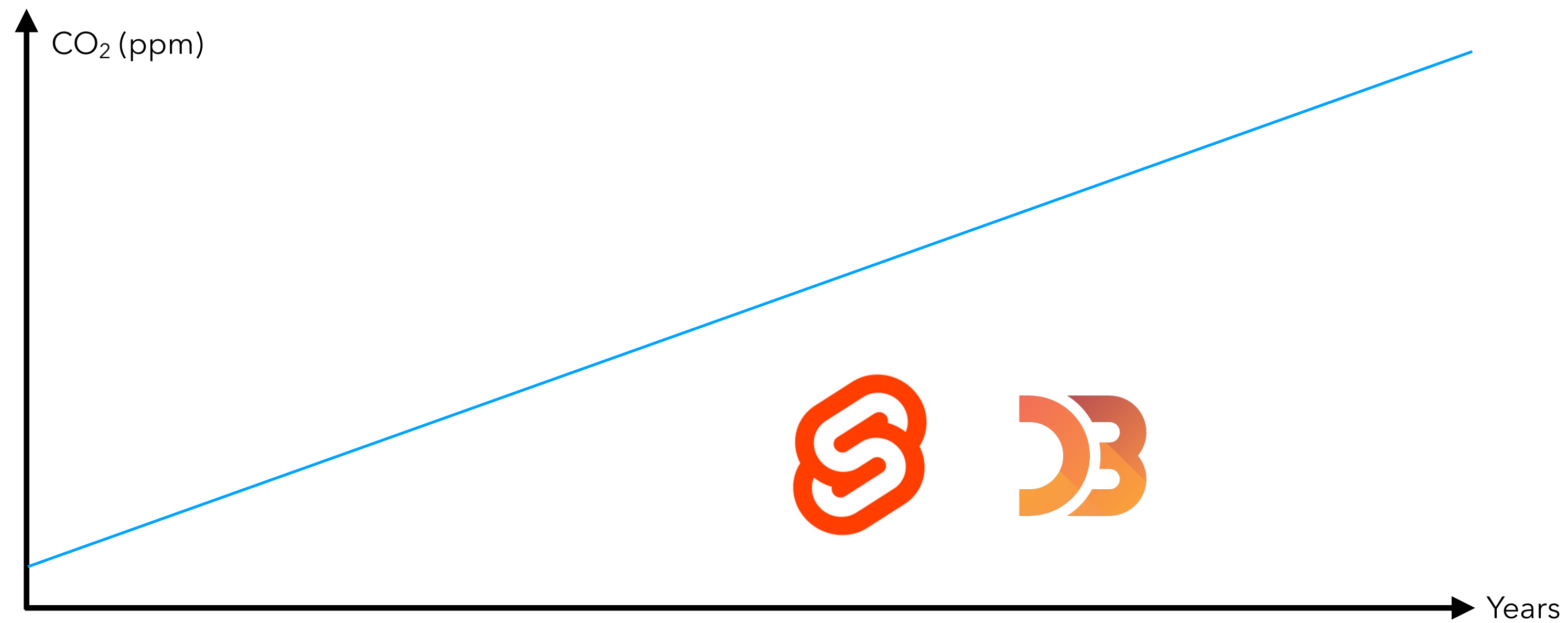
Today

Our tools

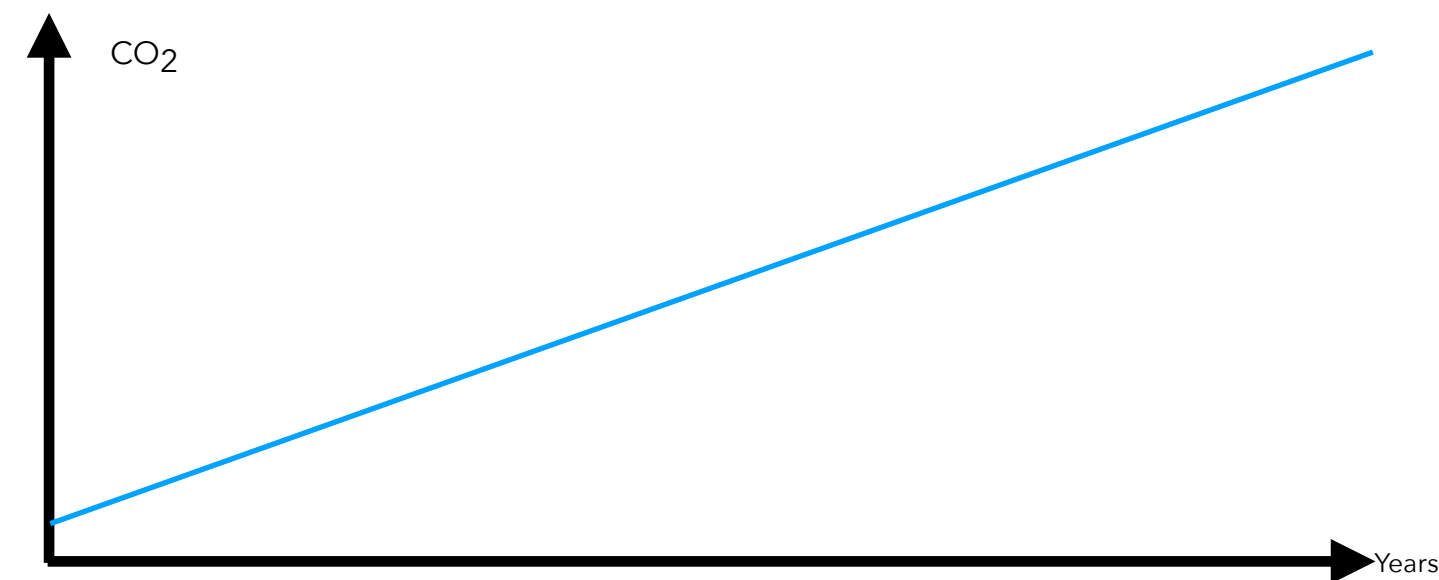
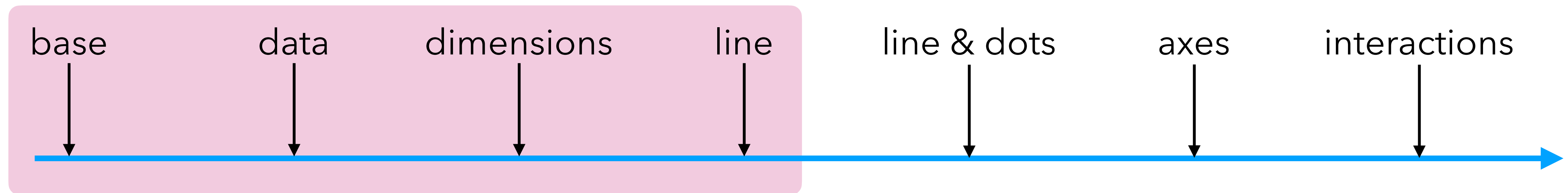
Our project



Our project



Our project



Goal

Get a basic understanding of custom data visualization with Svelte and D3.



Resources

Slides, links & coding entry points

<https://github.com/higsch/advanced-data-viz-workshop>



higsch.com

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Thank you!

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