

Data Visualization

Tips & Observable

M126 | Maria Roussou

Animation

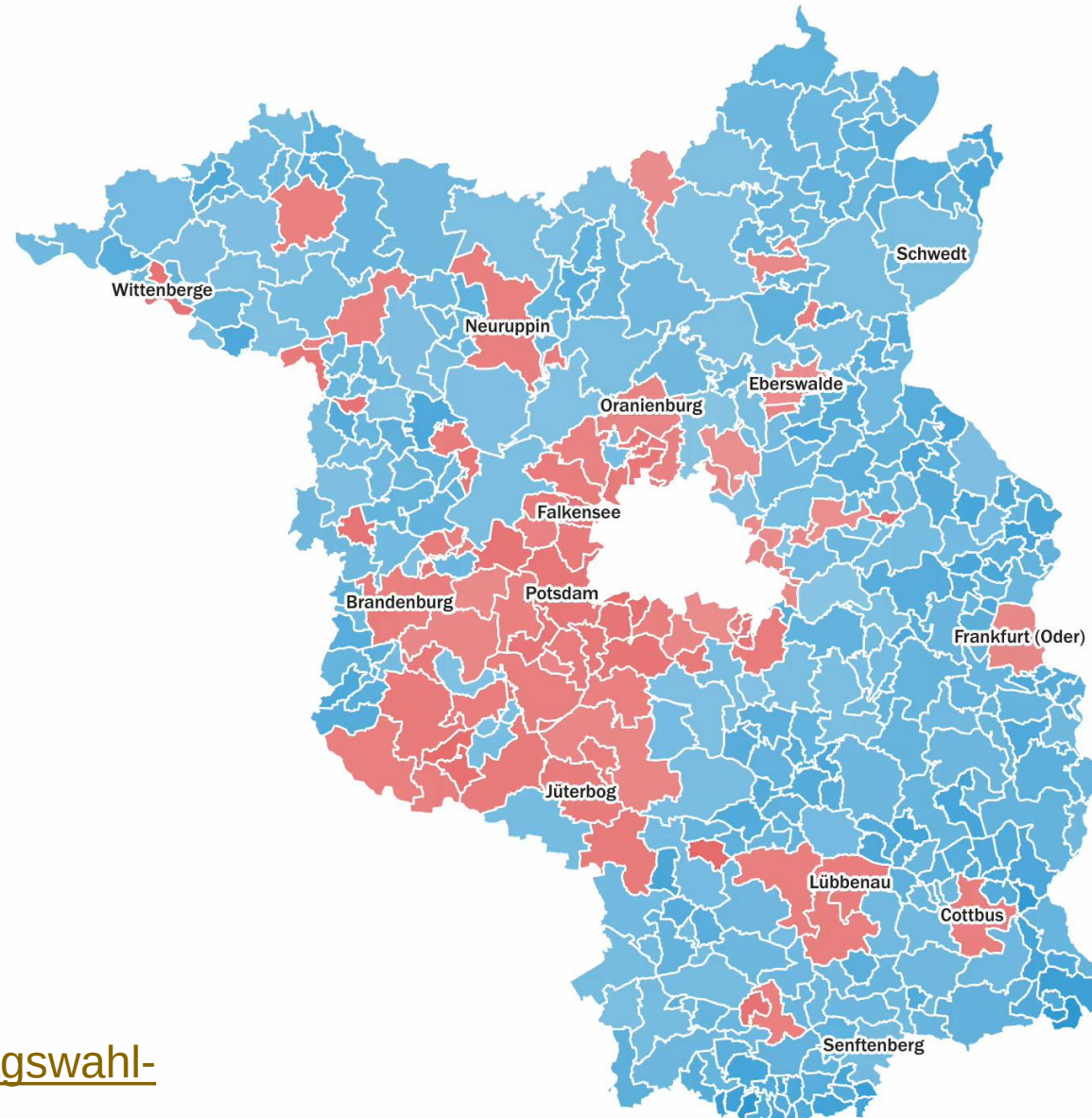
- Animation can enhance visualization by:
 - helping viewers make connections
 - showing them different perspectives
 - drawing them in to take a closer look

But it can add unnecessary complexity and distraction and turn into a gimmick.

Examples from <https://observablehq.com/blog/effective-animation>

Animation: Tweening

- to morph btw.
different views



<https://interaktiv.tagesspiegel.de/lab/landtagswahl-brandenburg-rote-staedte-blaue-land/>

Animation: Tweening

- to morph btw. different views



Animation: Tweening

- to morph btw. different views

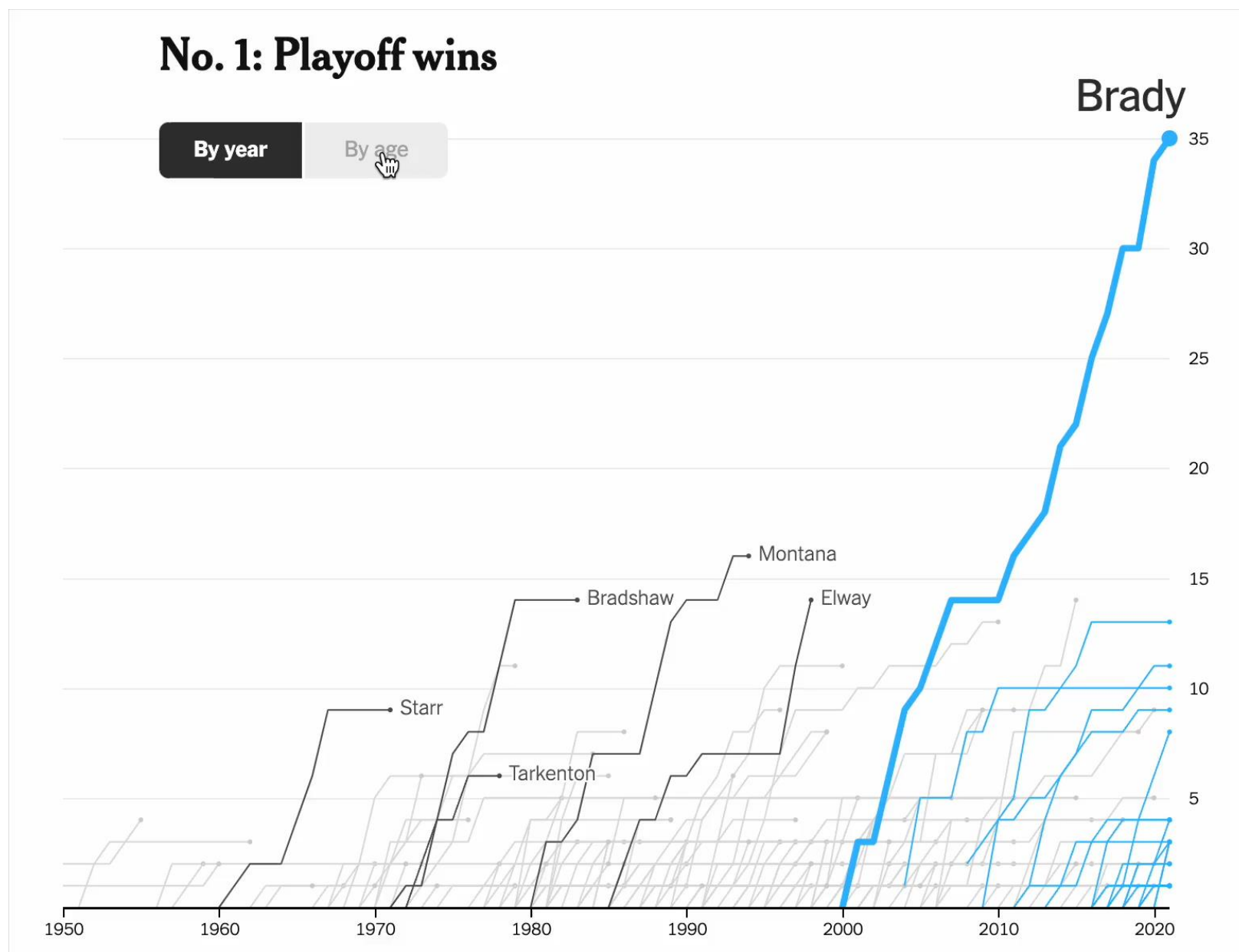
Transition btw.
traditional map
and
cartogram



Animation: Comparisons

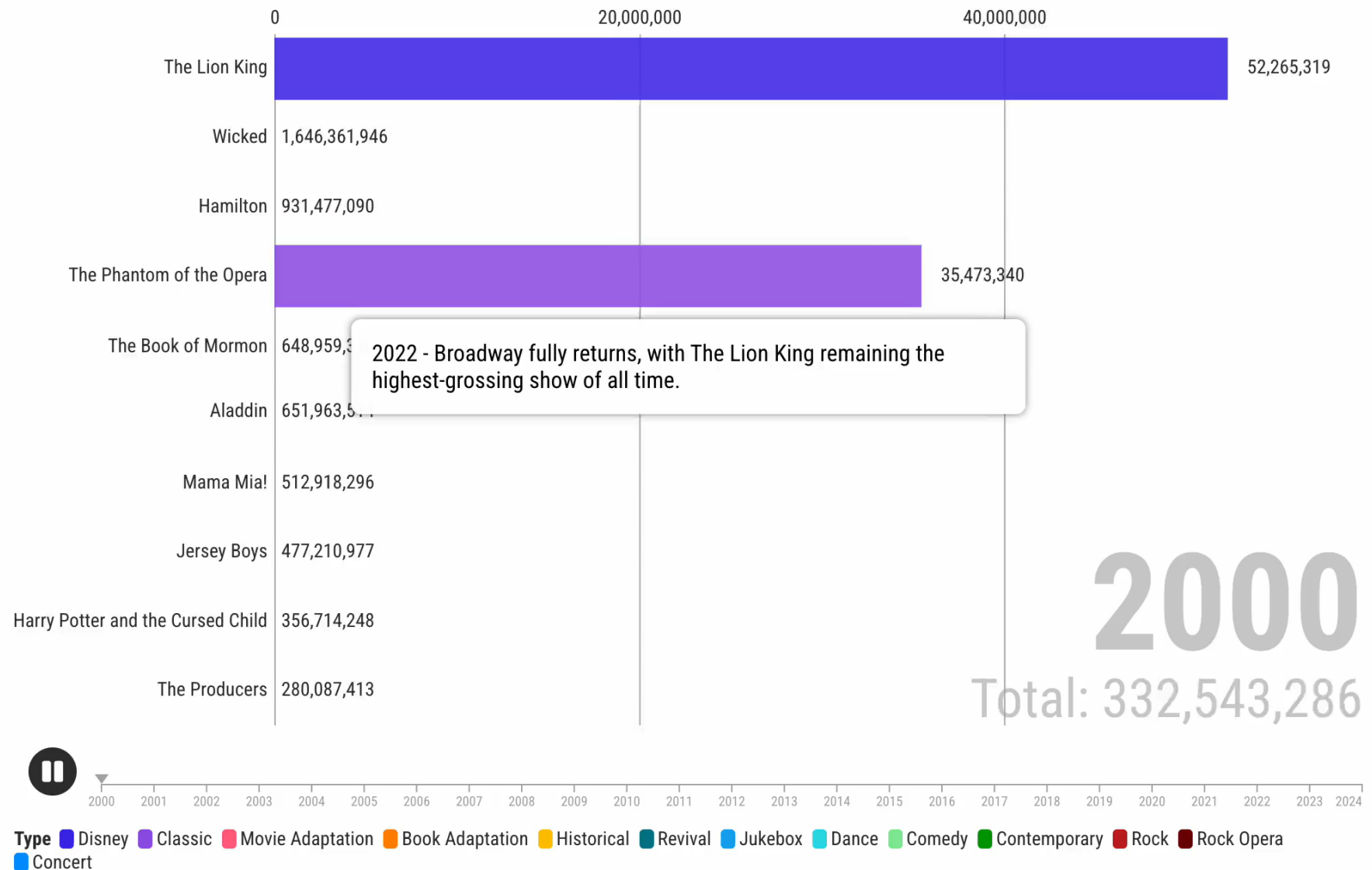
the ordering updates over time or across different metrics

<https://www.nytimes.com/interactive/2022/02/02/upshot/tom-brady-career-stats.html>



Animation: Comparisons

- Racing bar chart



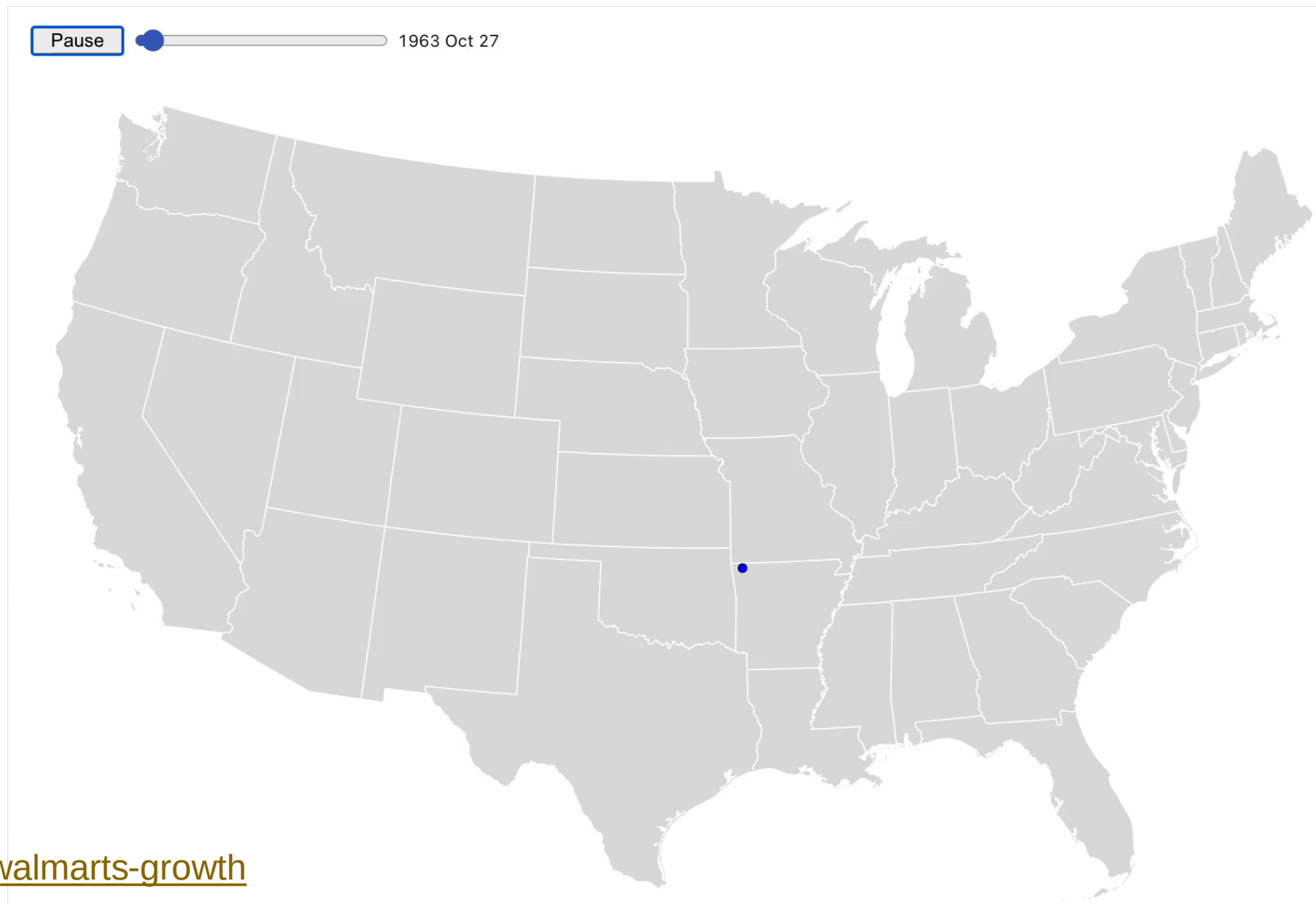
<https://nightingaledvs.com/racing-bar-charts/>

Animation: Comparisons

- Racing bar charts in Observable:
<https://observablehq.com/@d3/bar-chart-race>

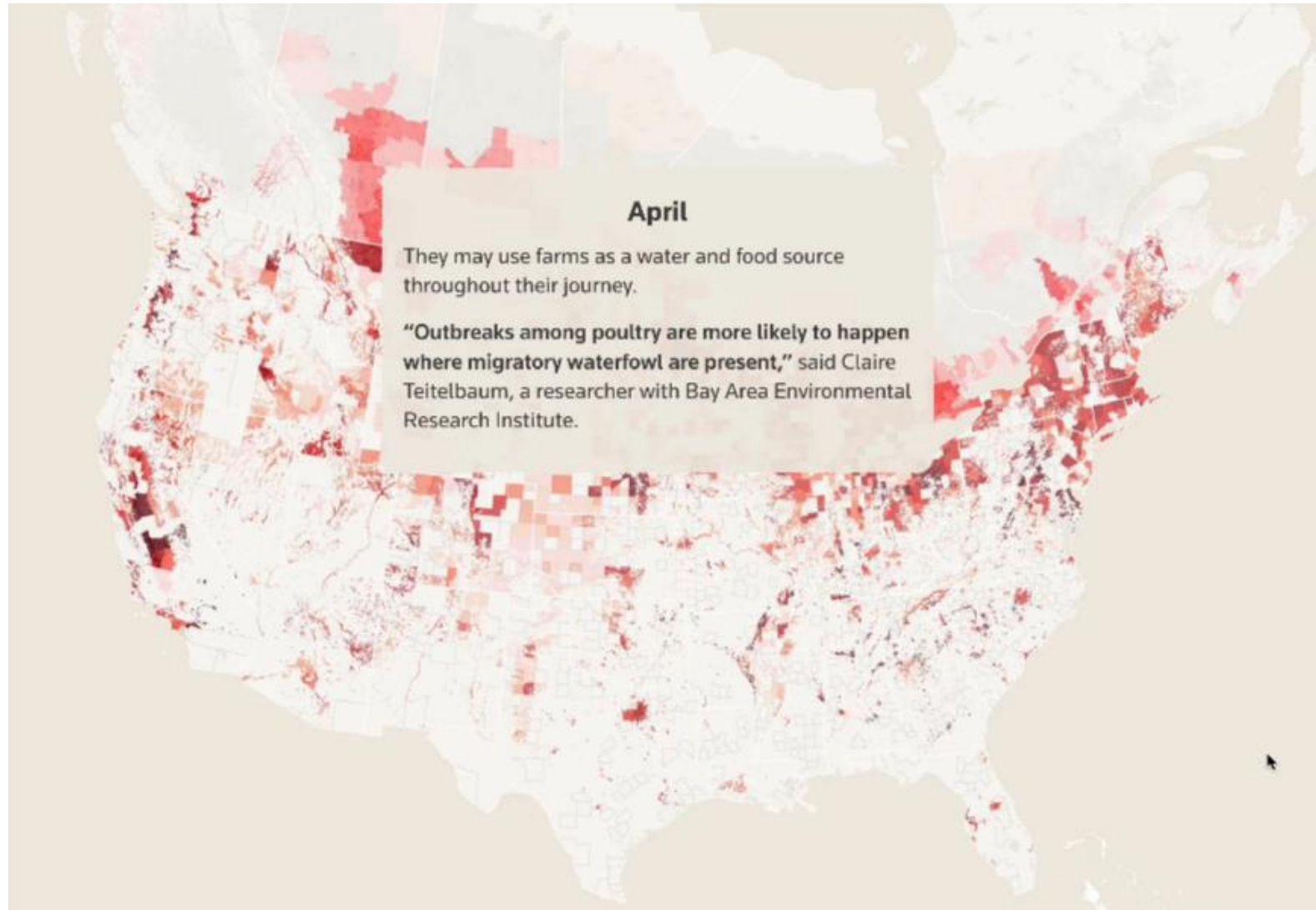
[https://nightingaledvs.com/
racing-bar-charts/](https://nightingaledvs.com/racing-bar-charts/)

Animation: Spatial shifts



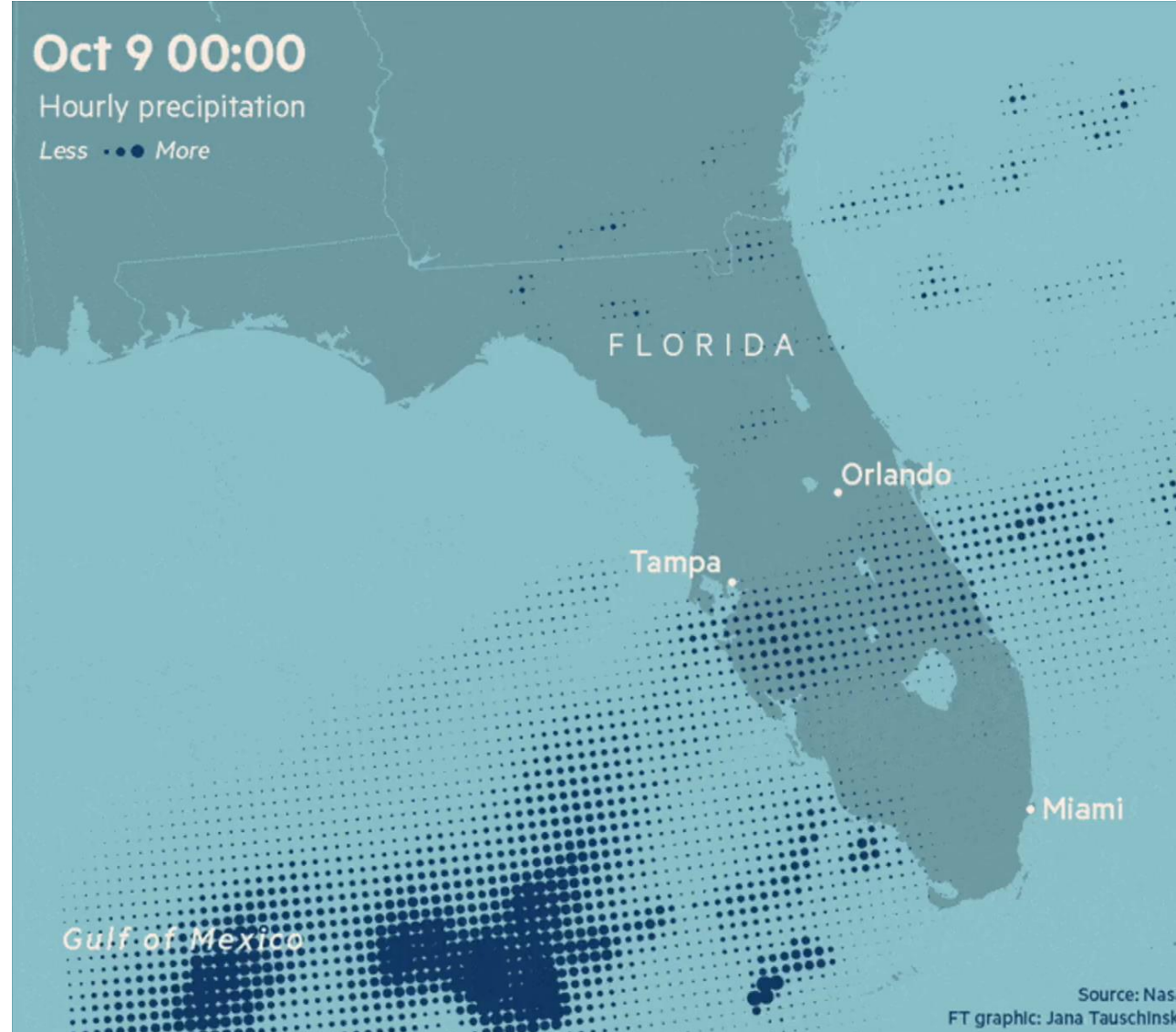
<https://observablehq.com/@d3/walmarts-growth>

Animation: Spatial shifts



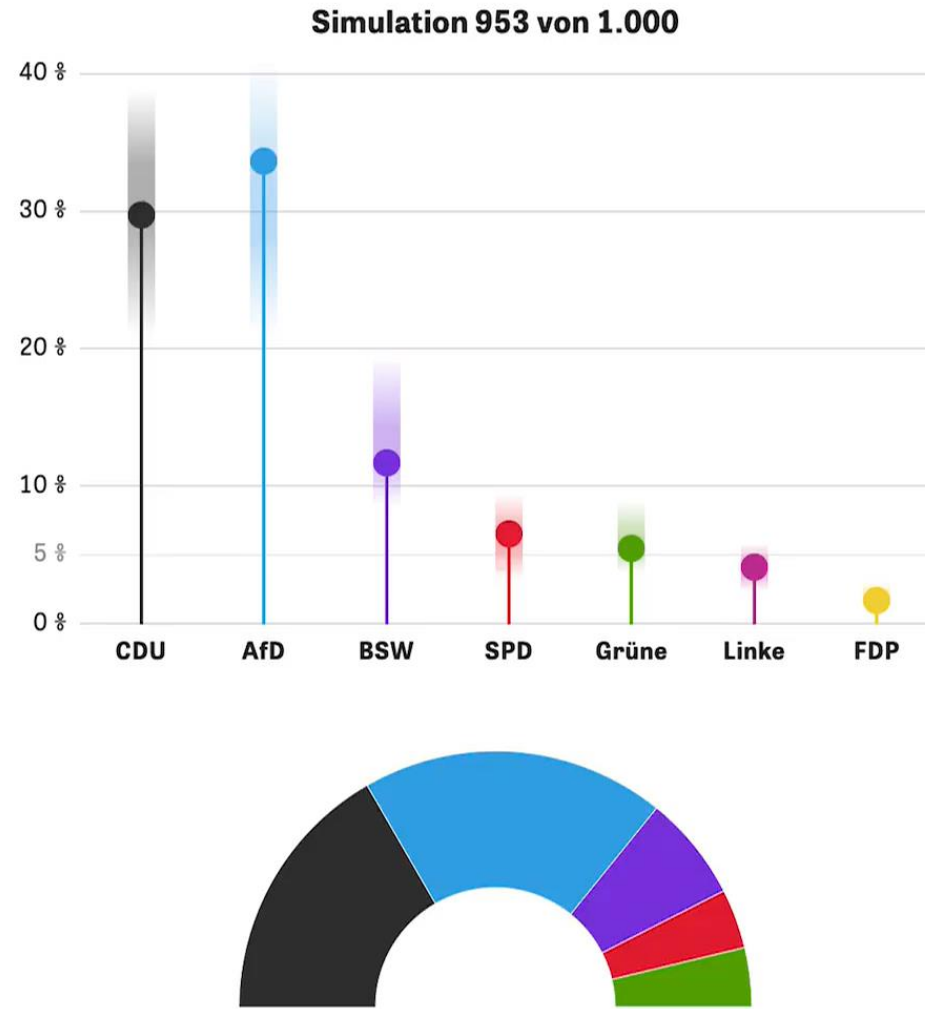
<https://www.reuters.com/graphics/HEALTH-BIRDFLU/MIGRATION/movagmblrva/>

Animation: Spatial shifts



<https://www.ft.com/content/df240556-a957-4103-9e65-c51d8abf49ca>

Animation: Motion as a visual cue



<https://youtu.be/ePpSYA9deKA>

Animation: Motion as a visual cue



<https://www.nytimes.com/interactive/2018/03/19/upshot/race-class-white-and-black-men.html>

Animation

- <https://observablehq.com/@d3/gallery>
- <https://observablehq.com/@d3/world-tour>

- **M126 Data Visualization 2023S: Intro to Observable**
https://youtu.be/Or9BtCNXFdU?si=pLh2frXPnfeO_GDD&t=3108
- <https://observablehq.com/guide/athletes>

Thank you!

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<http://eclass.uoa.gr/courses/DI411/>