git pull from the DSC106 public repo to follow along today.

#### D3.js Deep Dive

DSC 106: Data Visualization

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Join at slido.com #103 020



#### Announcements

Lab 5 out, due Friday.

Project 2 peer feedback due Friday.

Project 3 out, due on 2/16.

#### FAQs:

- 1. Office hour policy: if you don't sign up for an OH slot but show up anyway, probably won't be able to ask your question.
- 2. One OH slot = one checkoff. If you have 2 labs to get checked off (e.g. slip day), you need to sign up for 2 slots.

#### Project 2 Peer Feedback

Opportunity to get feedback from your peers.

"I like / I wish / What if?" format.

Worth 5% of your final grade, graded by completion.

#### Project 3: Interactive Visualization

Choose a dataset (recommend reusing Project 2 data).

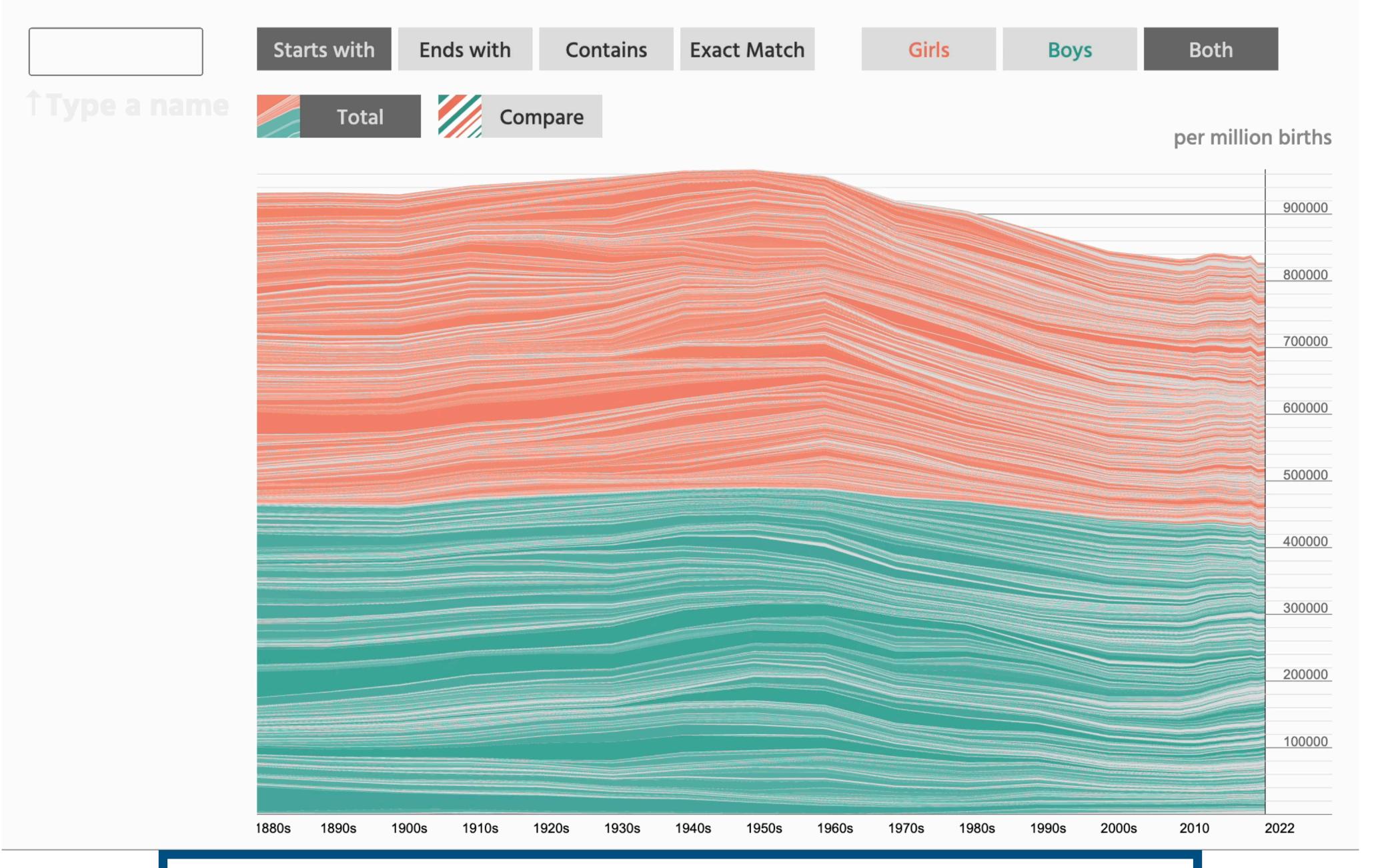
Create one interactive graphic to let readers explore the data.

E.g. panning, zooming, brushing, annotations, etc.

Must use D3.

Must complete in teams of 2-3.

Pro-tip: Explore lots of options using pen-and-paper. Then, keep scope of project very tight! Do one thing well.



https://namerology.com/baby-name-grapher/

What is D3 good for?

Drawing marks

Encoding channels

Drawing axes

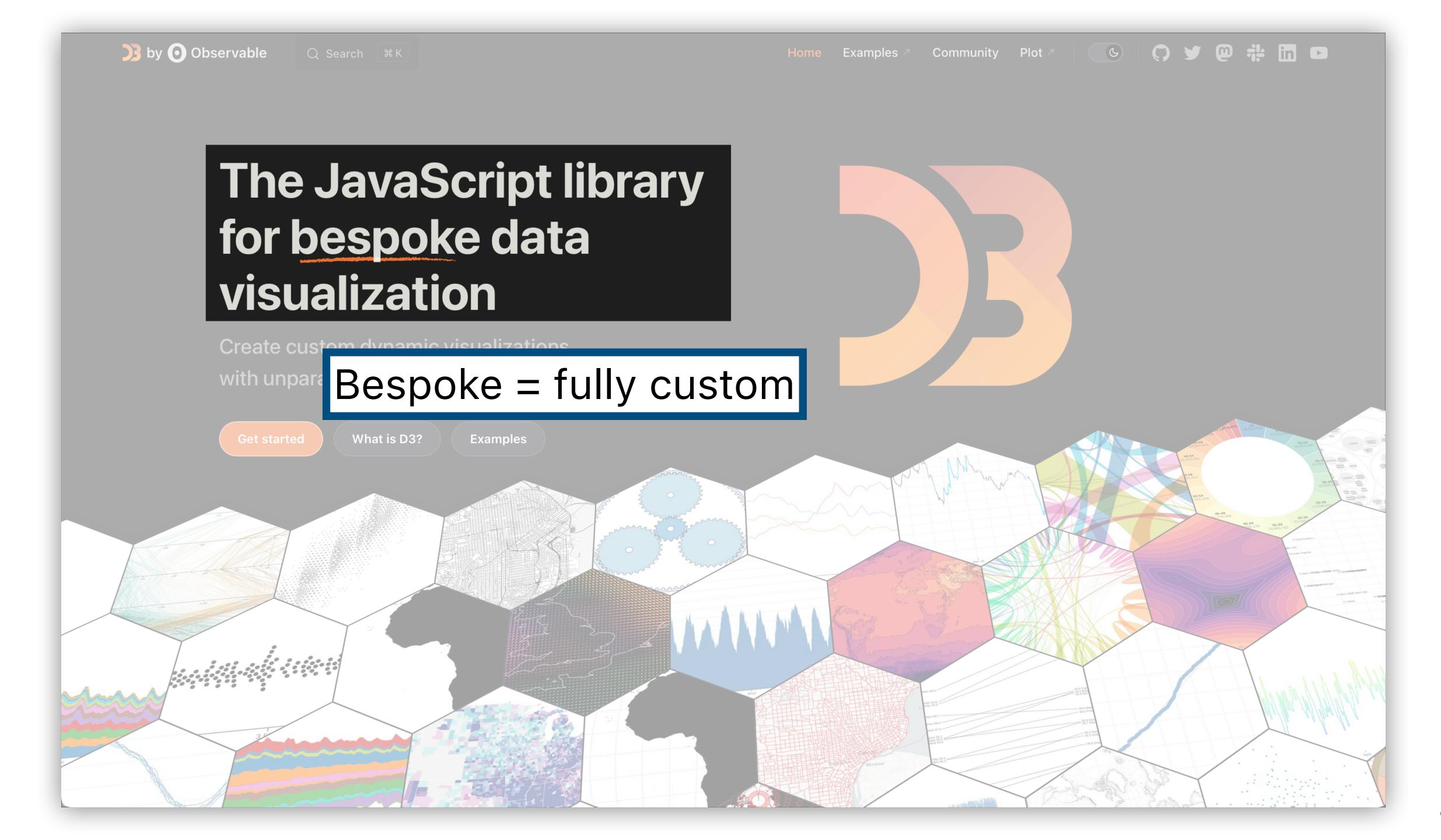
What is D3 good for?

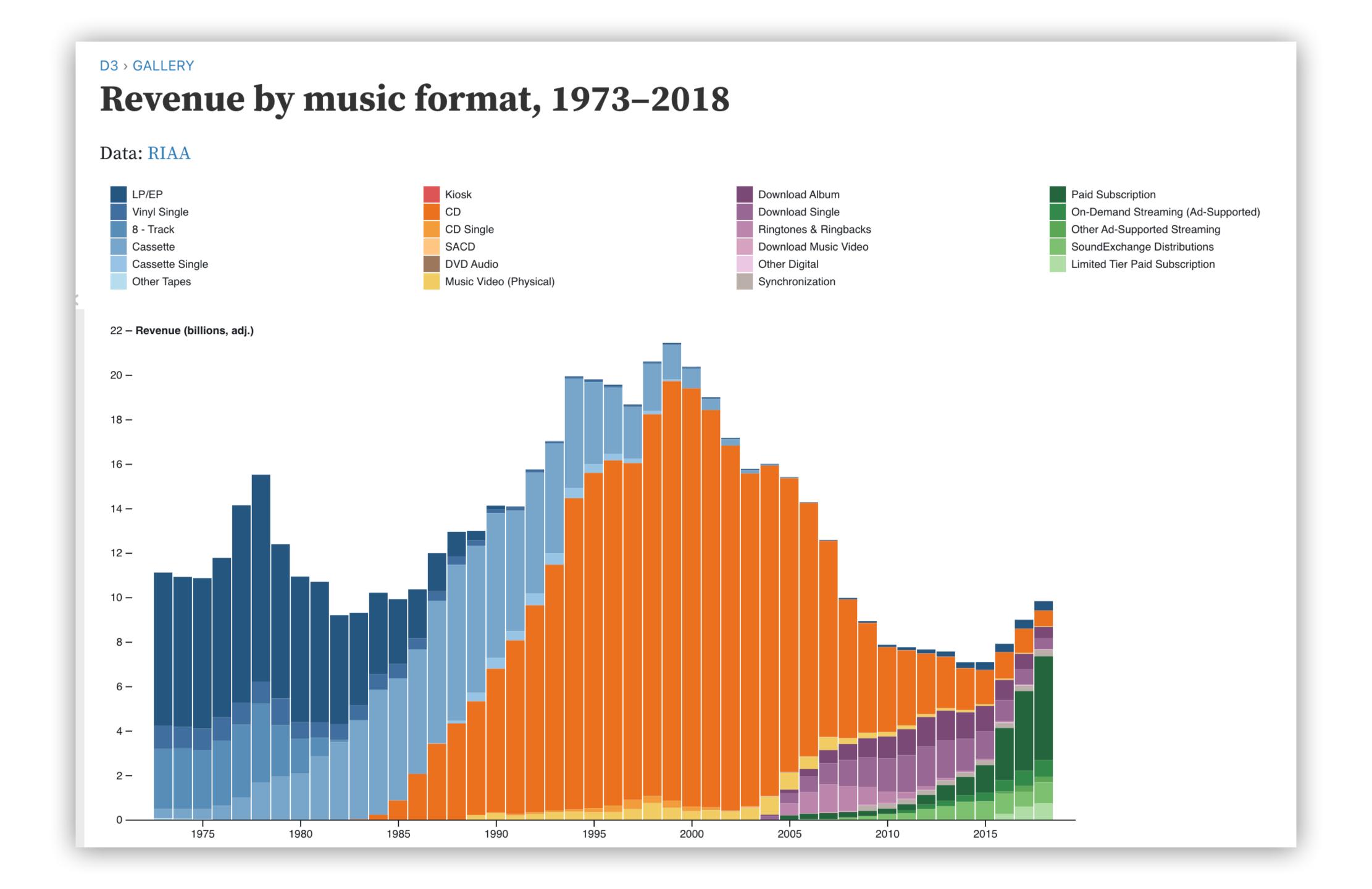
Drawing marks

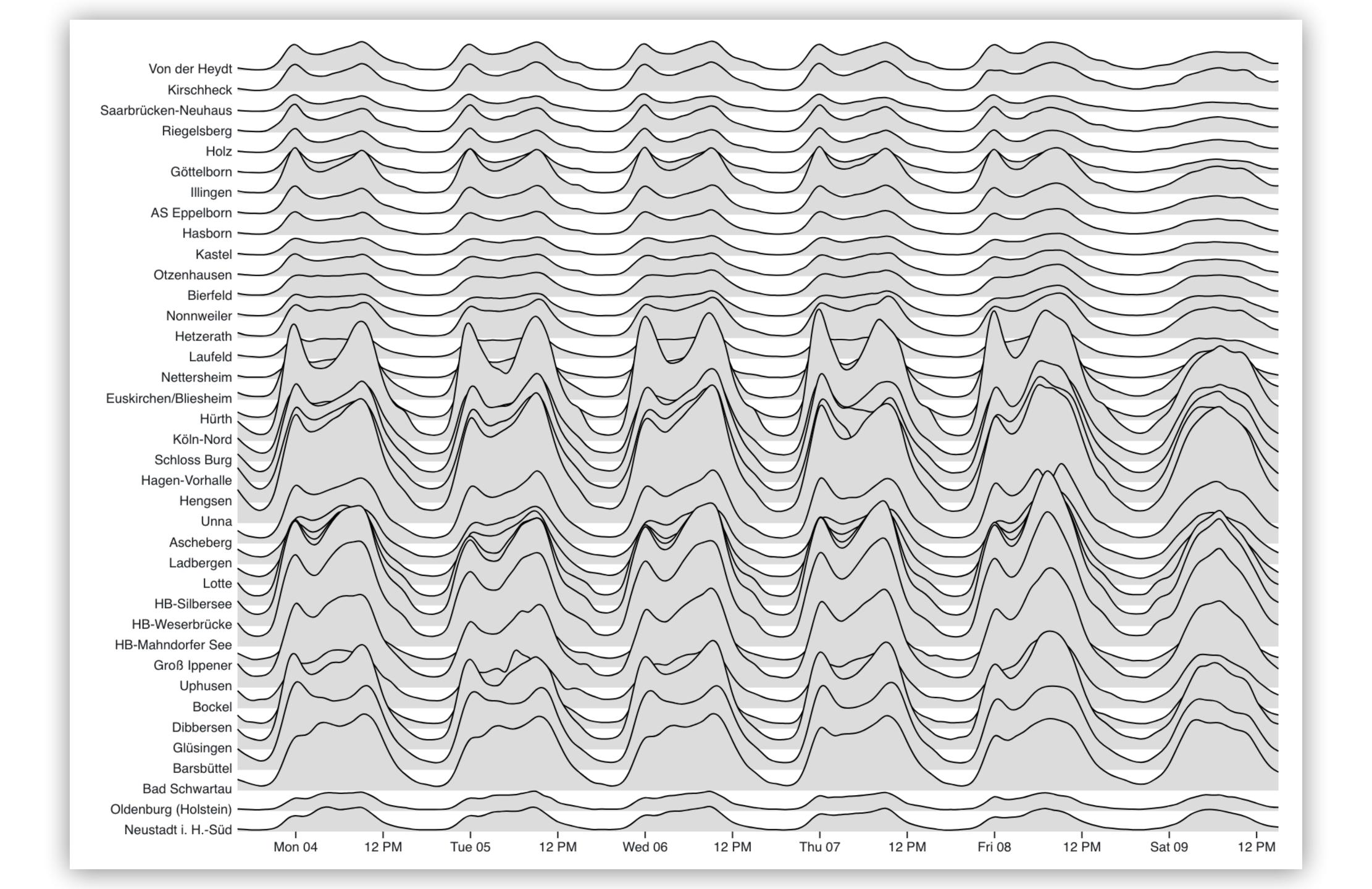
Encoding channels

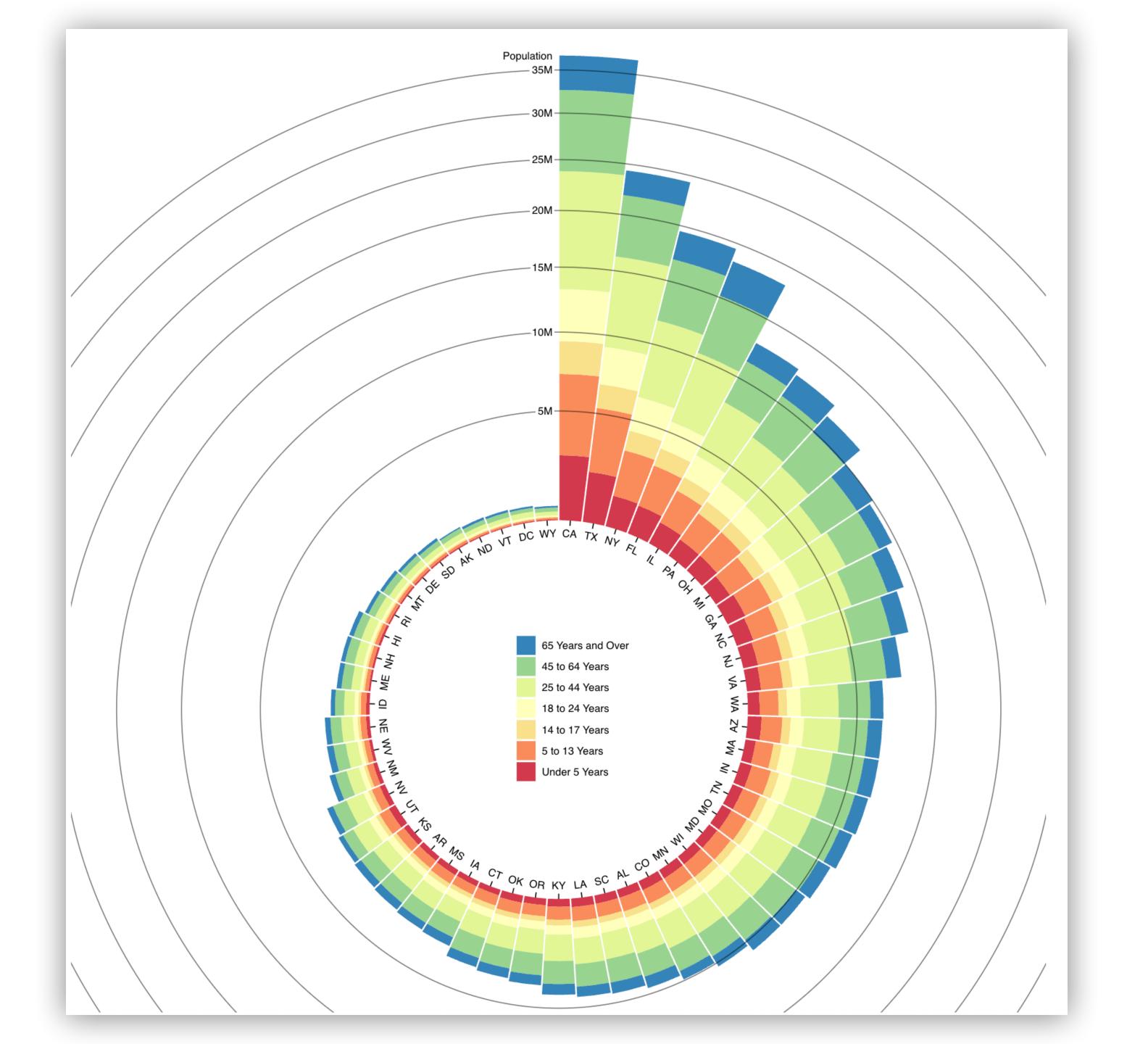
Drawing axes



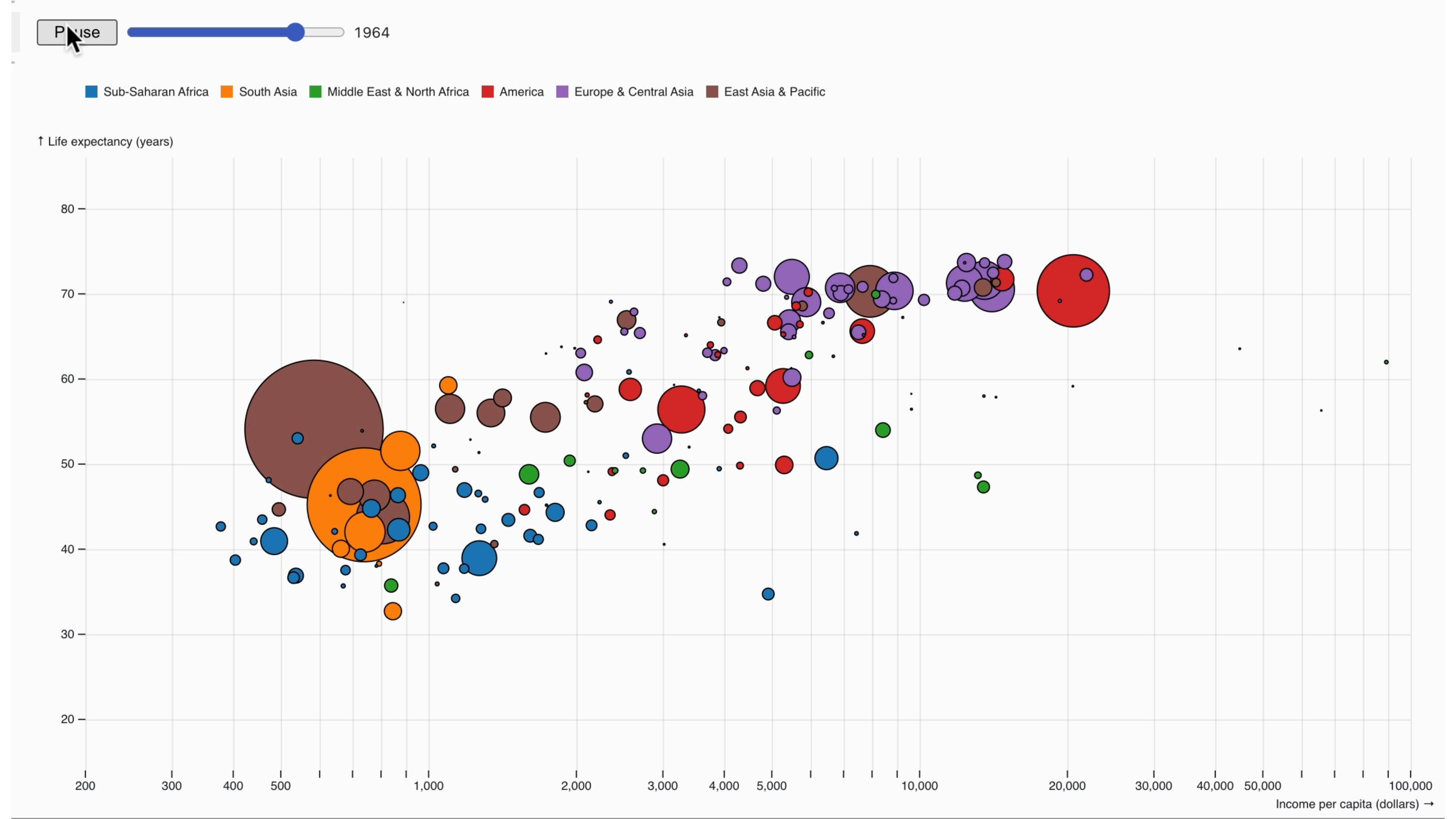


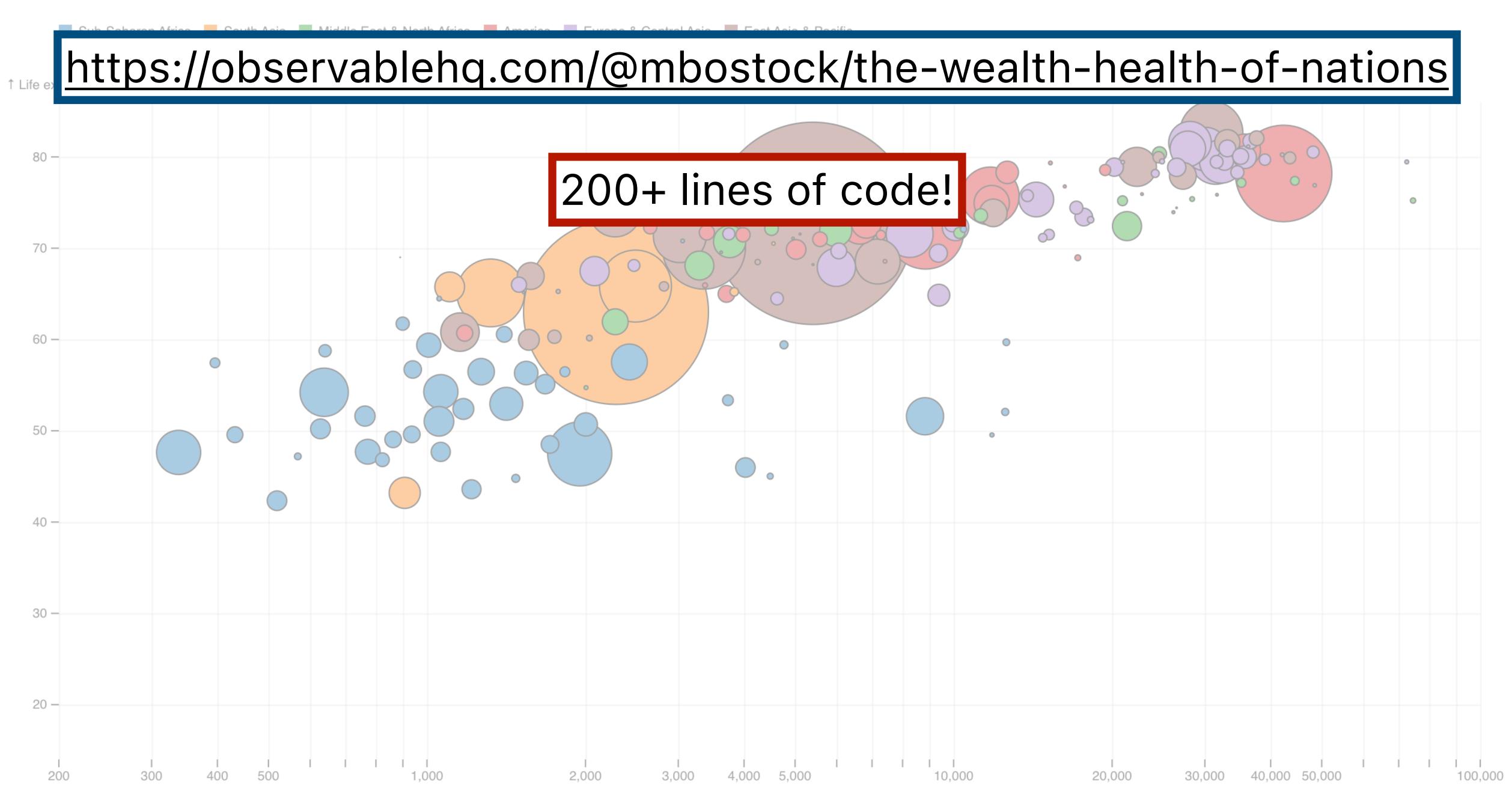






# Choropleth Unemployment rate by U.S. county, August 2016. Data: Bureau of Labor Statistics. Unemployment rate (%)





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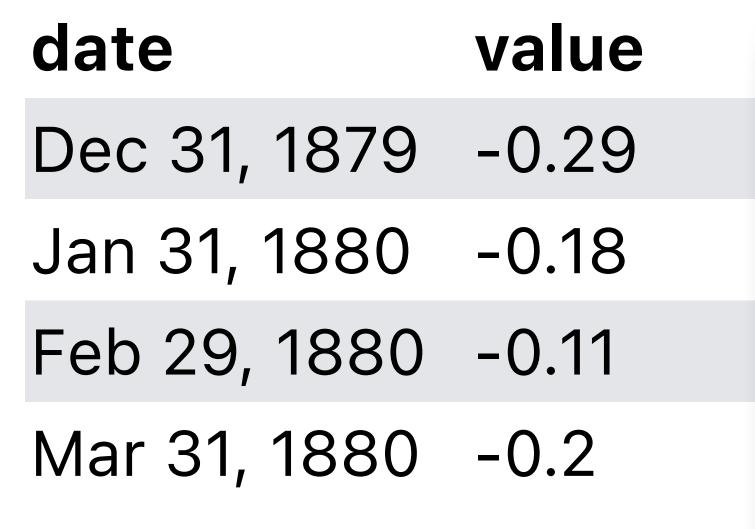
Drawing axes

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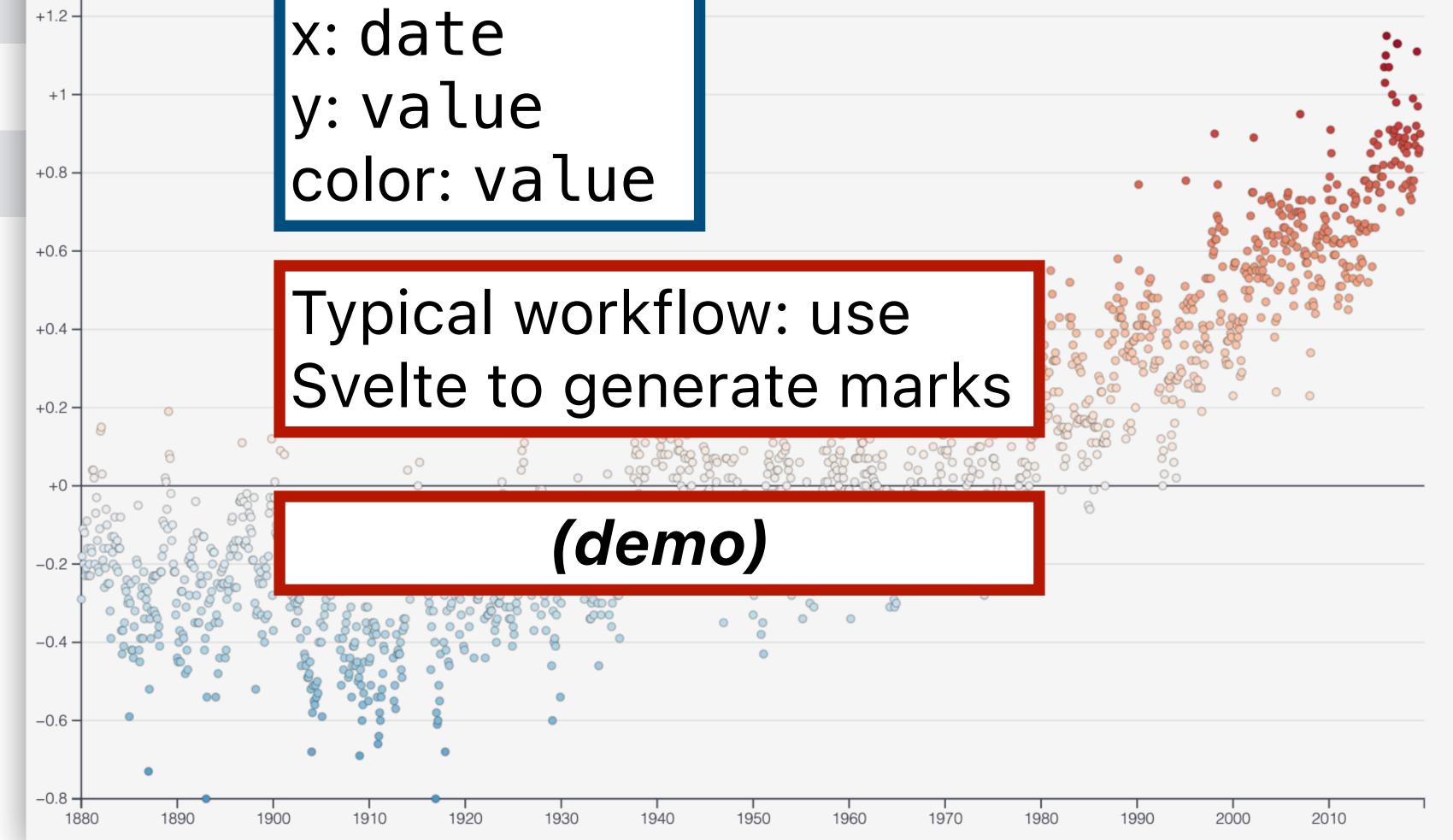
Encoding channels

Drawing axes



+1.4 **¬ Anomaly (°C)** 

+1.2 -



mark: point

18

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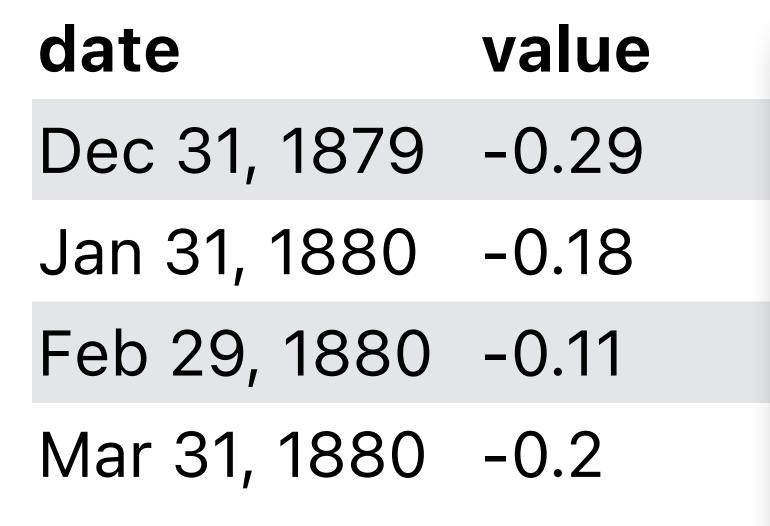
Drawing axes

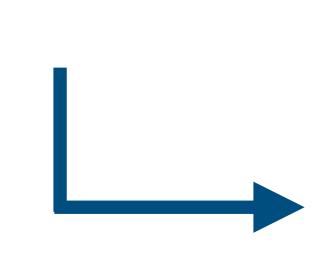
What is D3 good for?

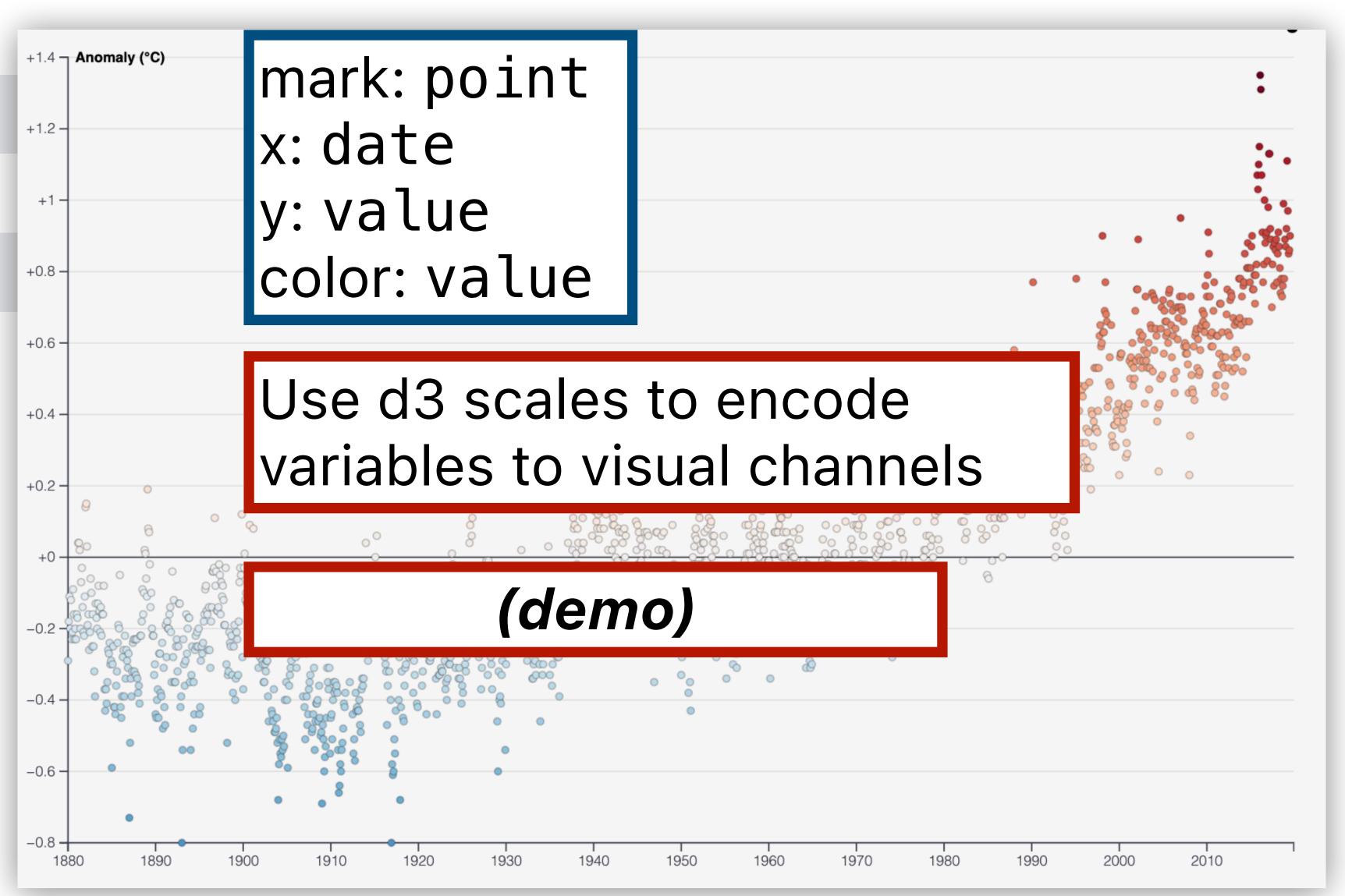
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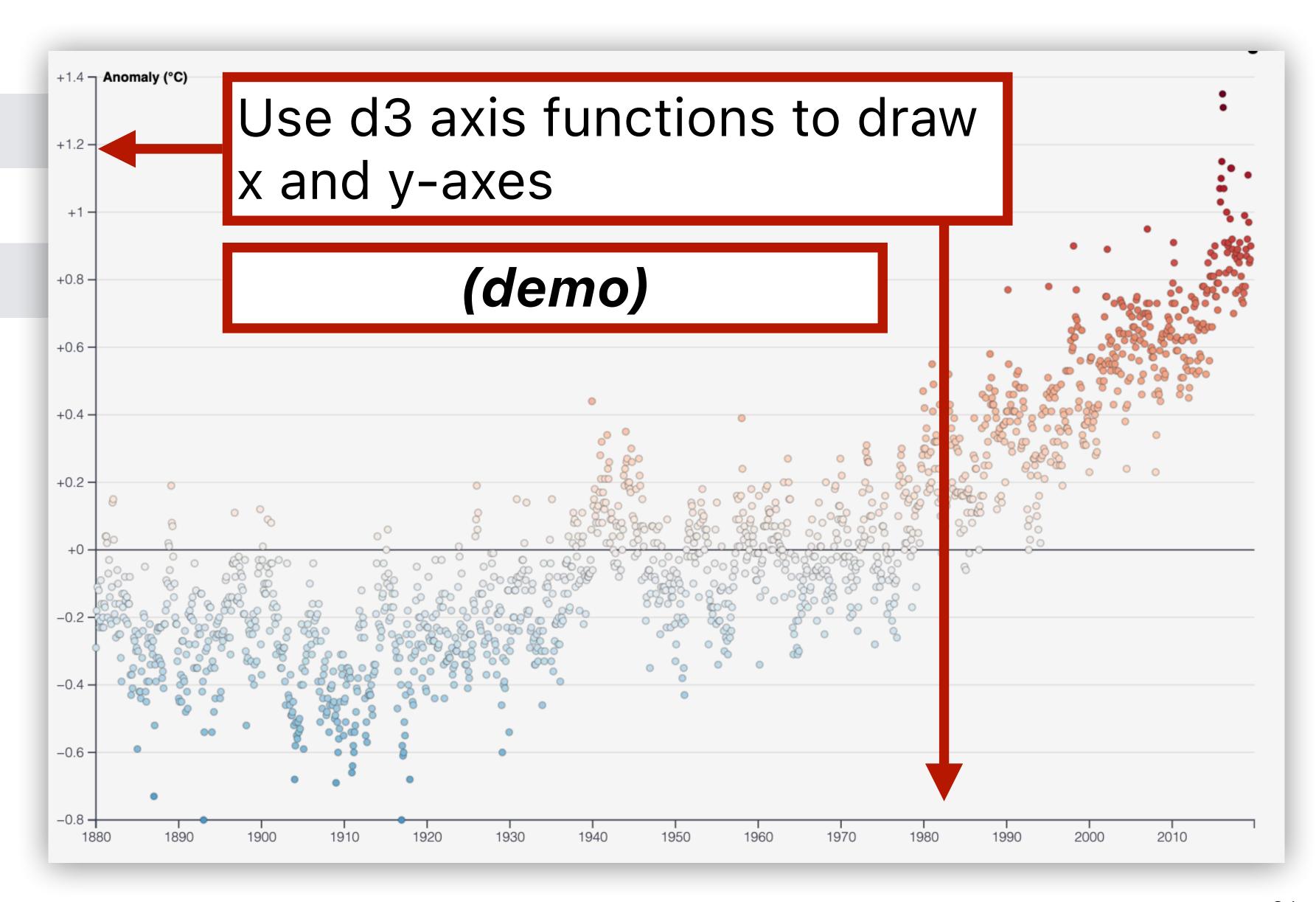
Dec 31, 1879 -0.29

Jan 31, 1880 -0.18

Feb 29, 1880 -0.11

Mar 31, 1880 -0.2

• • •



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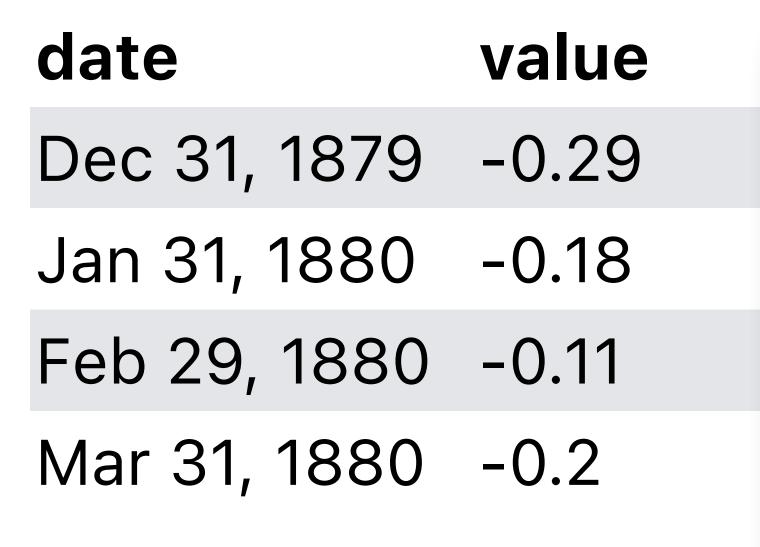
Drawing axes

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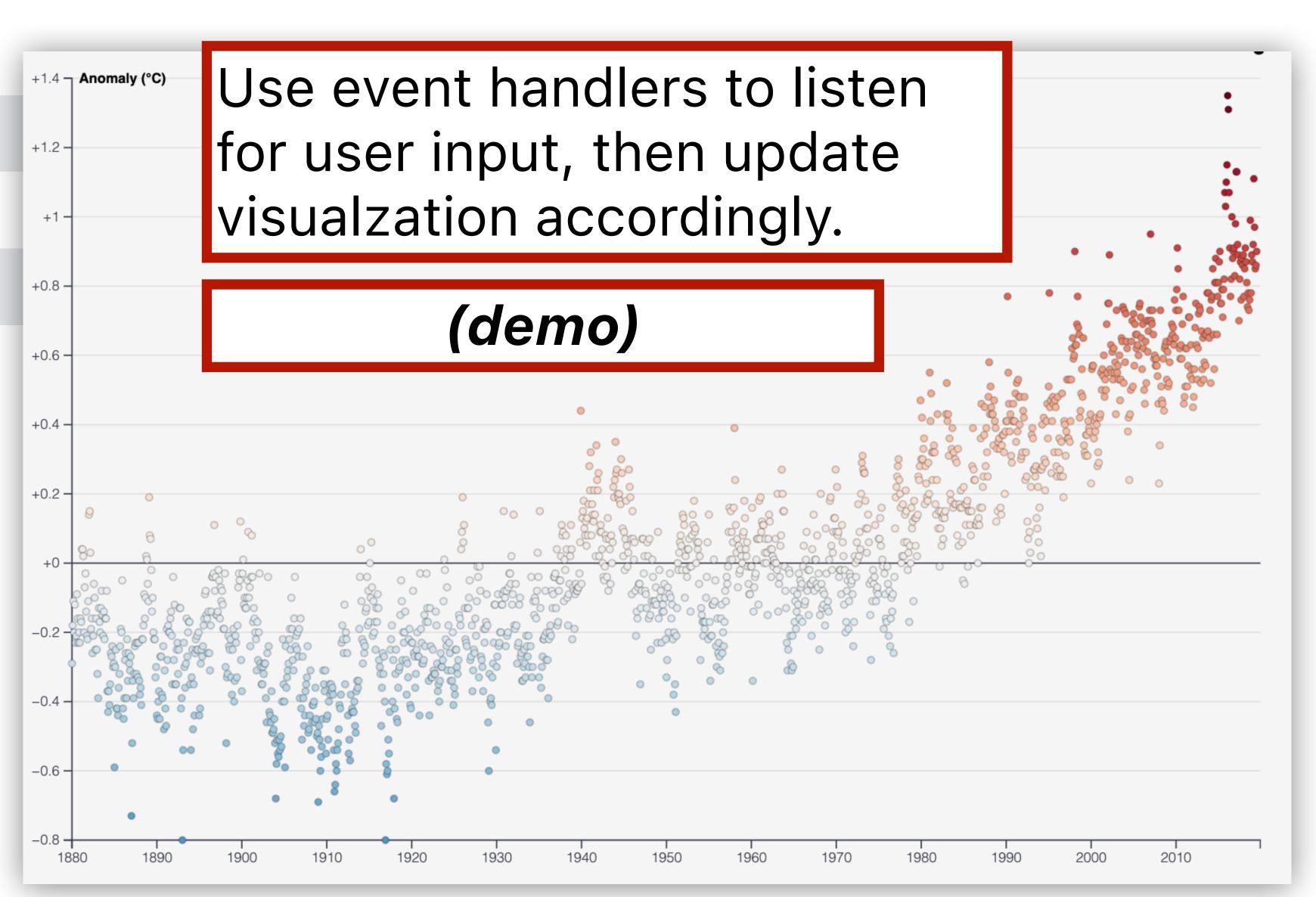
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#### You Try: Understanding D3 Code

Visit the D3 website (d3js.org), click on Examples in top navbar.

Choose one visualization that looks interesting (but not too complicated).

Describe the code in English.

Respond: What do you feel like you understand well about D3? What do you feel like you don't understand well?

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