

# The Psychology of Data Visualization Week 5



#### AGENDA

- Lecture exercise
- Assignment #4
- Final project
- Discussion
- Exercise



#### EXERCISE

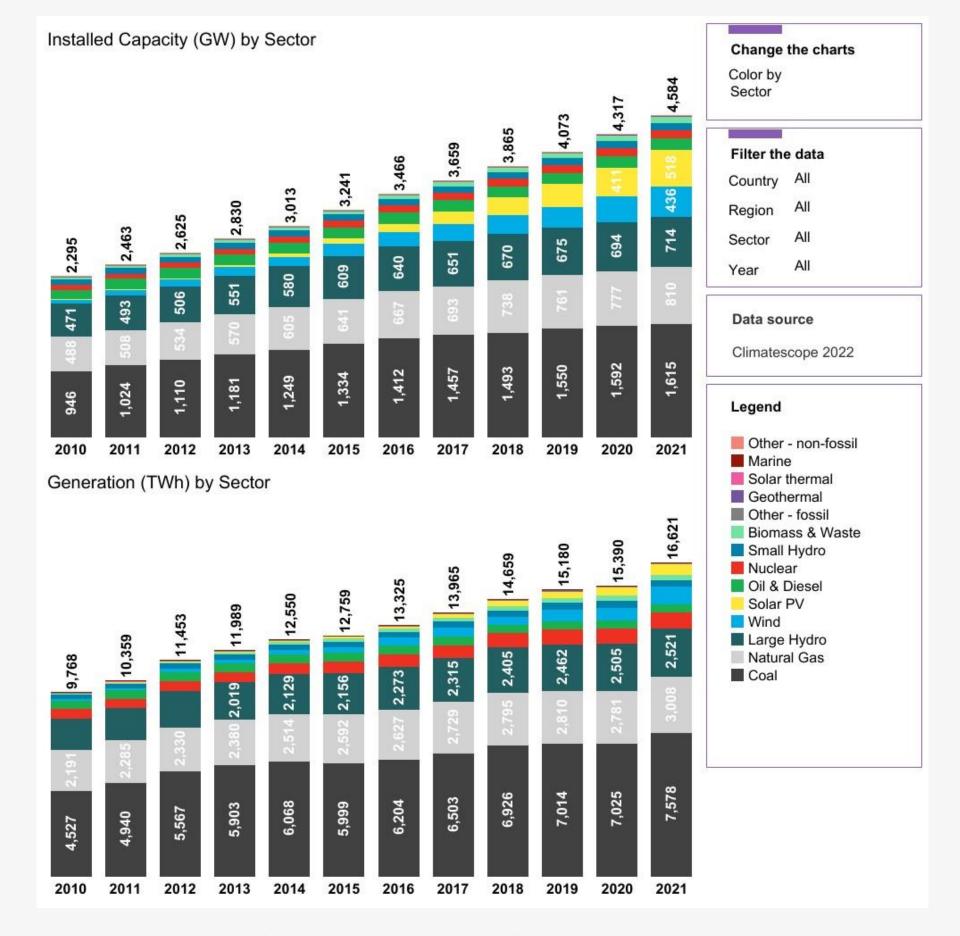
Take a look at the graph on the next slide.

How could you apply preattentive attributes and chunking to improve it?

Do you think the graph is likely stored in your audience's long-term memory?

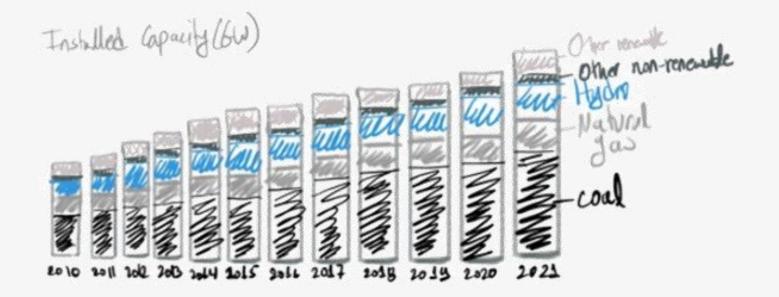
Sketch your revised version of the graph and share your answers on Canvas.

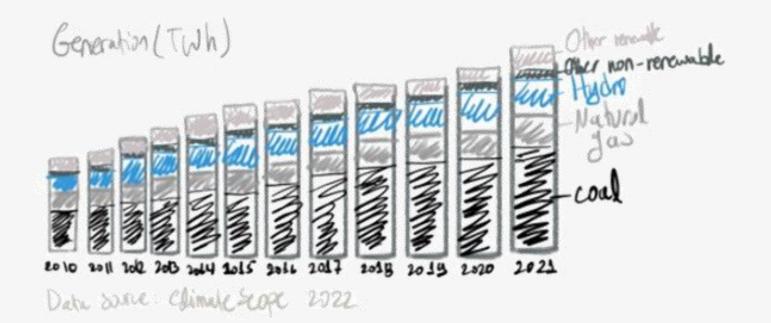




Source: https://public.tableau.com/app/profile/bloomberg.new.energy.finance/viz/ClimatescopeCapacityGeneration/CapacityGeneration

The emergence of Hydrogower relative to other renewable and non-renewable resources.

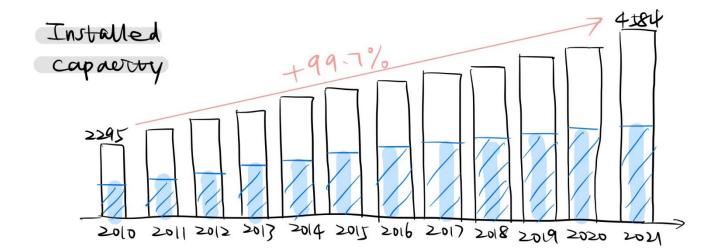


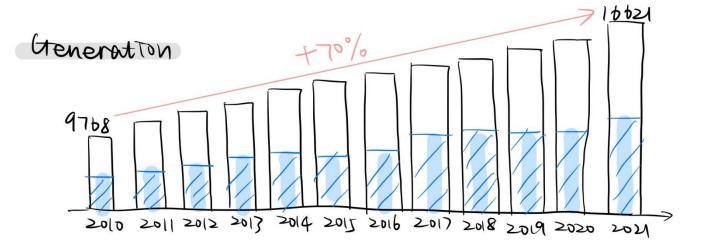


#### Xiyi Lin

and Generation (Twh)

14 major sectors over the last 12 years

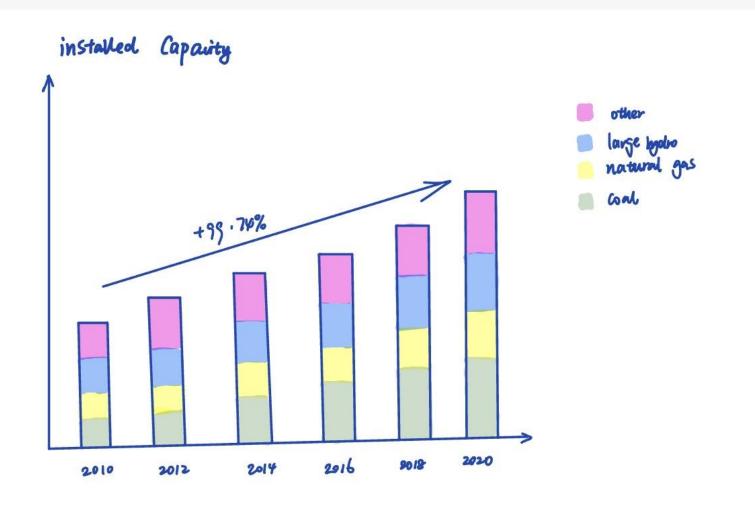


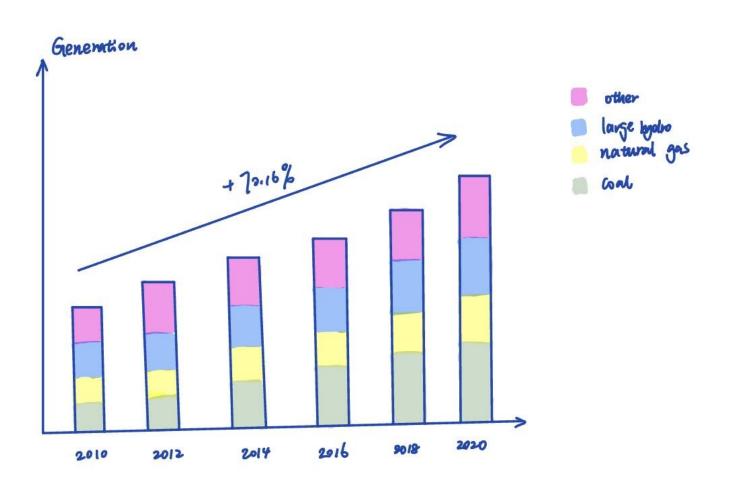


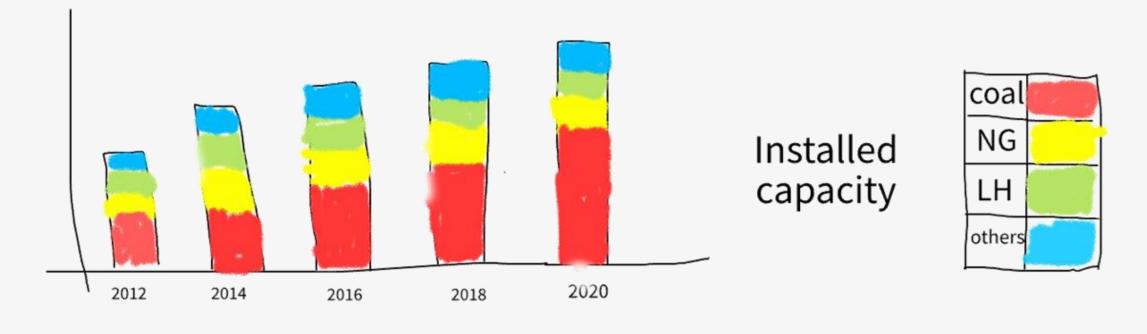
As time goes by the needs for coal are still crotical and so occupy a larger portion compared to other energy resources. The trend for all energy resources will continue to increase as well as the most biggest portion — coal,

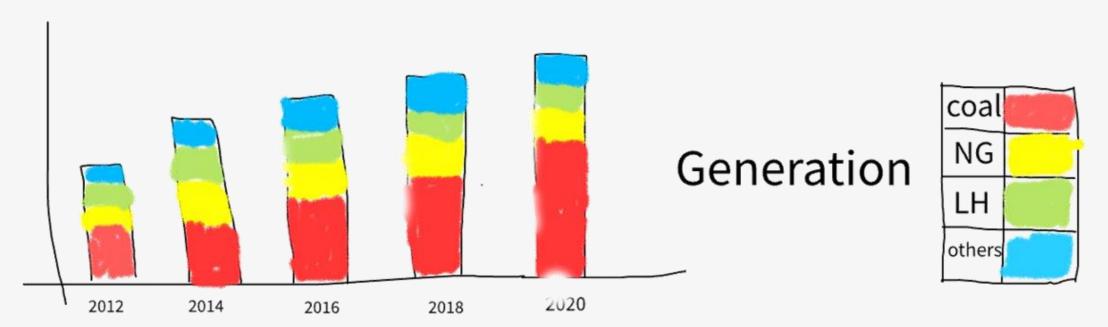












## The exercise was...

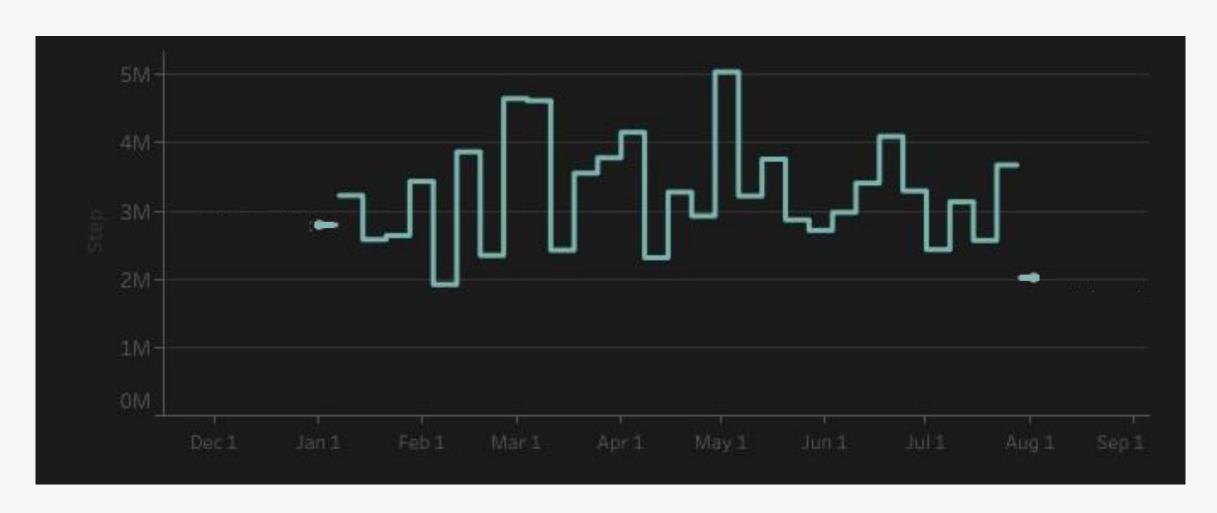




#### Assignment #4: Resume in Tableau

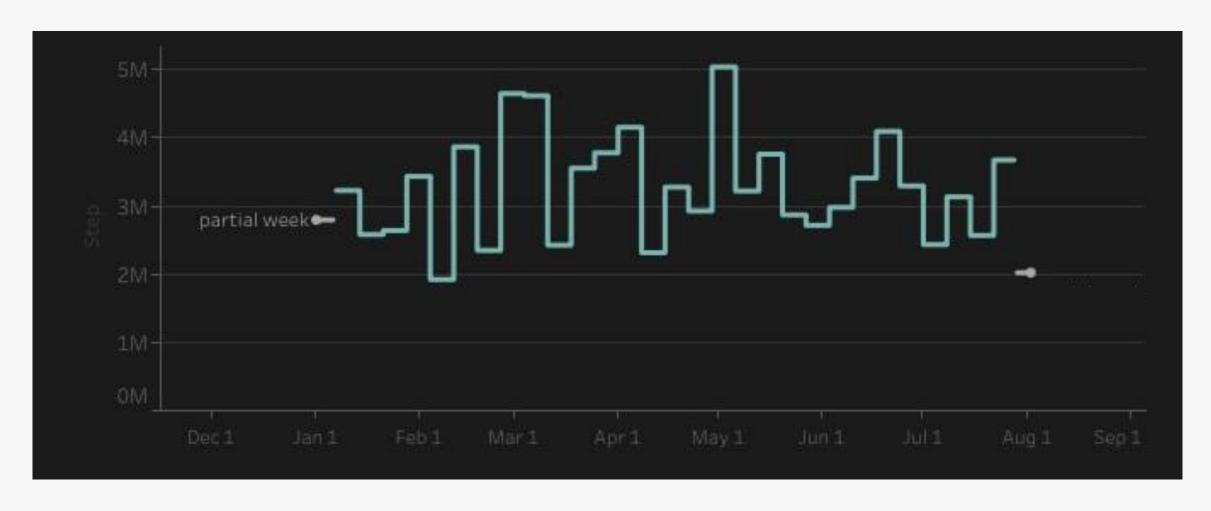
### Final project

#### Discussion



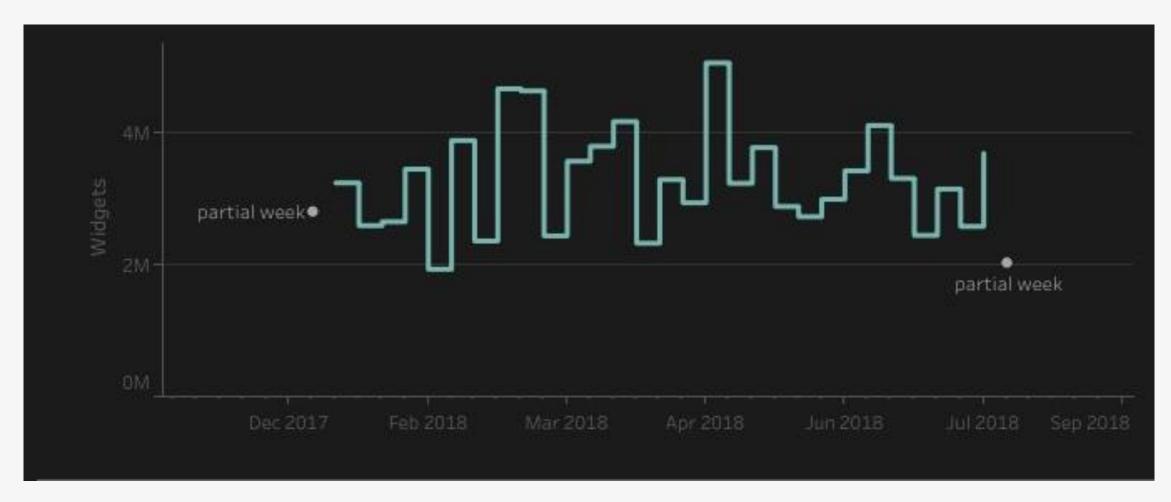
Source: <a href="https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries">https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries</a>

#### Step Break



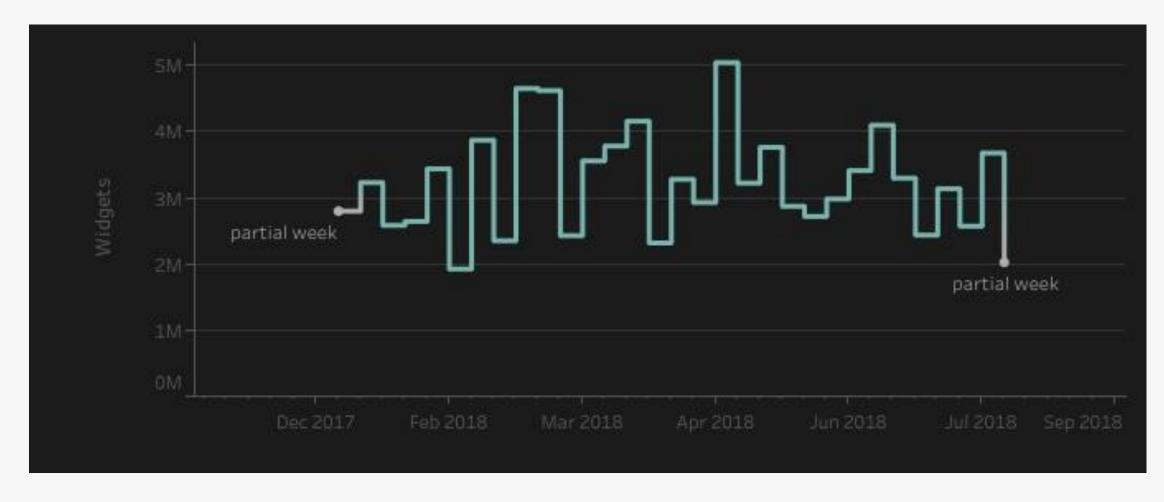
Source: https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries

#### Break



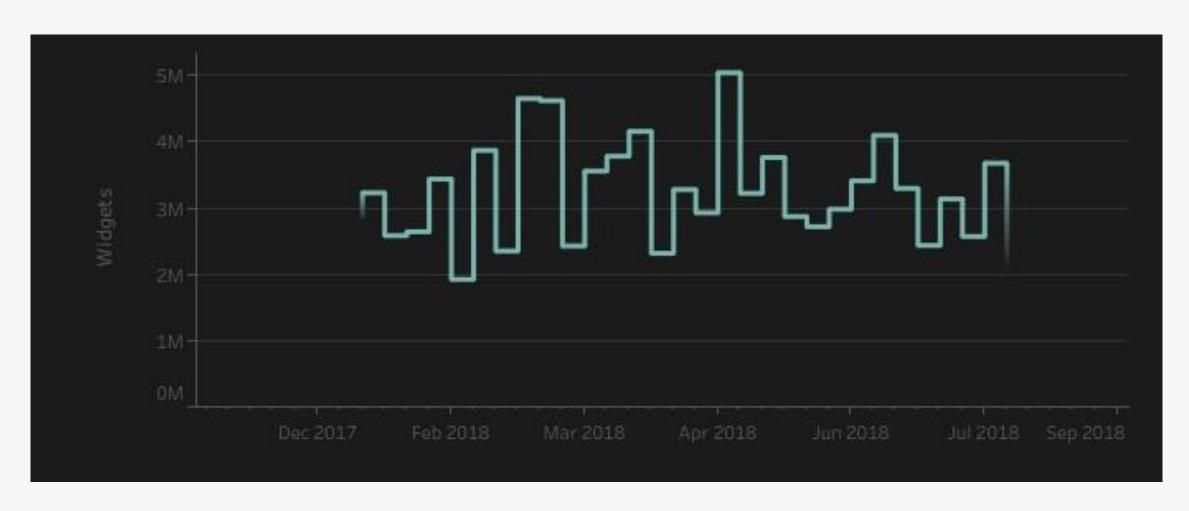
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#### Color



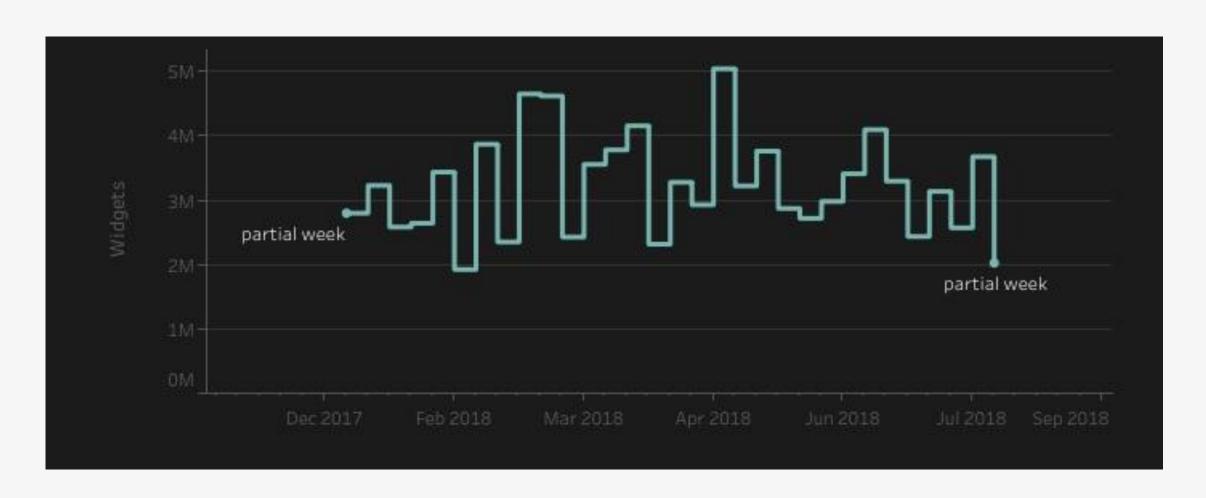
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#### Fade



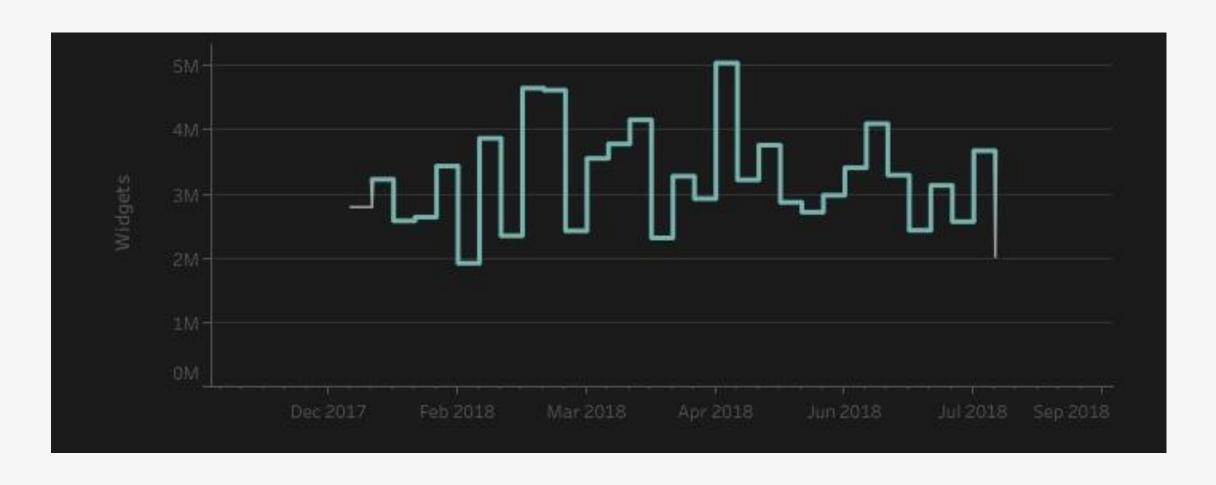
Source: https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries

#### Label



Source: <a href="https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries">https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries</a>

#### Size



Source: <a href="https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries">https://public.tableau.com/app/profile/adam.crahen/viz/VisualizingIncompleteTimeSeriesData/TimeSeries</a>



#### EXERCISE

- 1. You work as an Analytics Manager and are asked to give a short presentation on the topic **Young and Adult Data Literacy Around the World**. Your audience is a group of **UNESCO executives** who are working with local governments to increase literacy rates.
- 2. Using the data set Literacy Rates, work in pairs select **three potential chart types**. Discuss the pros and cons of each chart type before choosing one. Also, is the chart type you selected to visualize likely **stored in your audience's long-term memory**?
- 3. Create the **chart in Tableau**.
- 4. How would you **present the chart to your audience**, taking into consideration whether your audience knows how to read and interpret the chart type? Practice presenting the chart with your classmate.

#### WHAT DID YOU LEARN?



