

# Mapping your data

INTRODUCTION TO TABLEAU



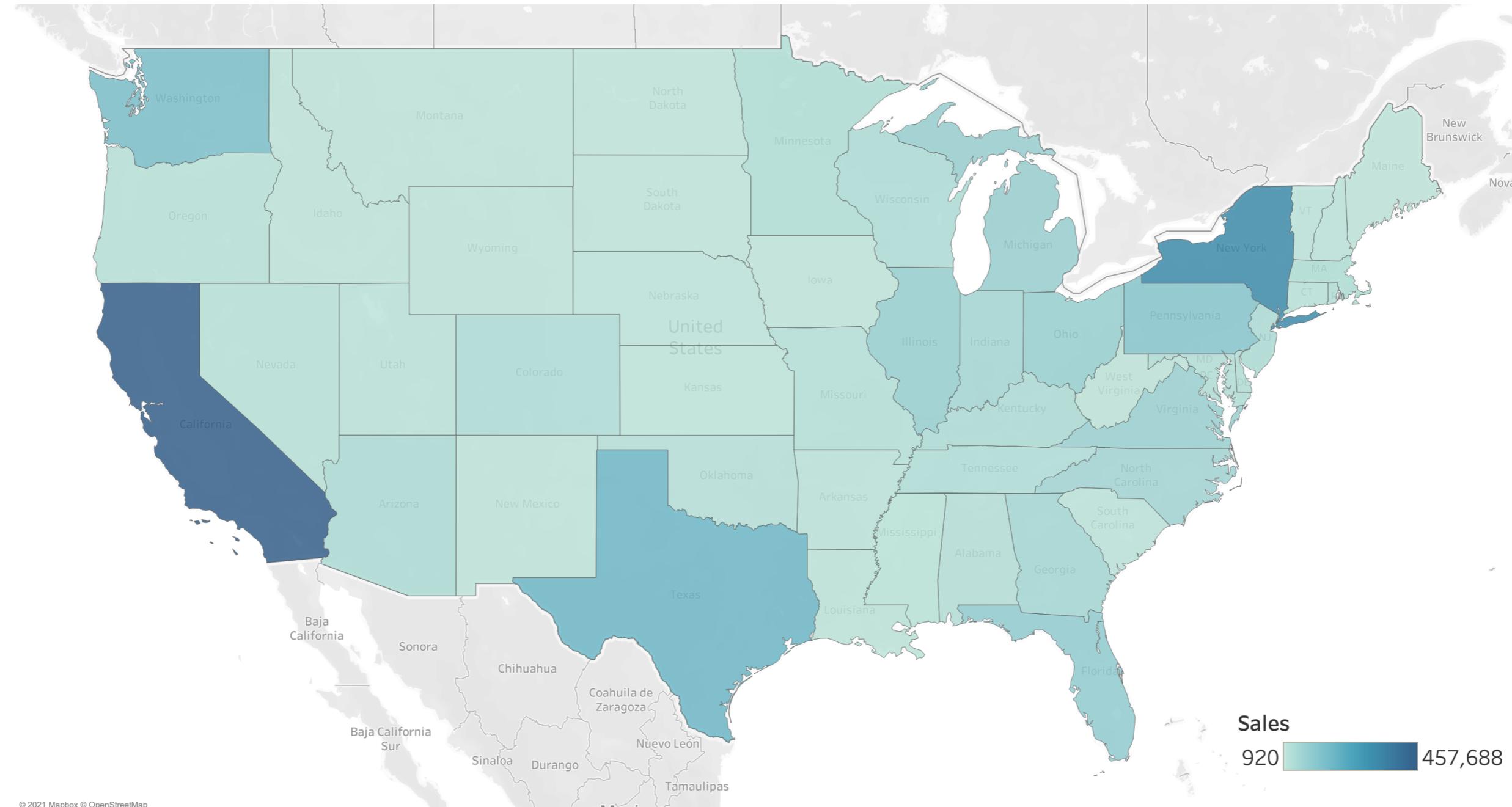
**Sara Billen**

Curriculum Manager at DataCamp

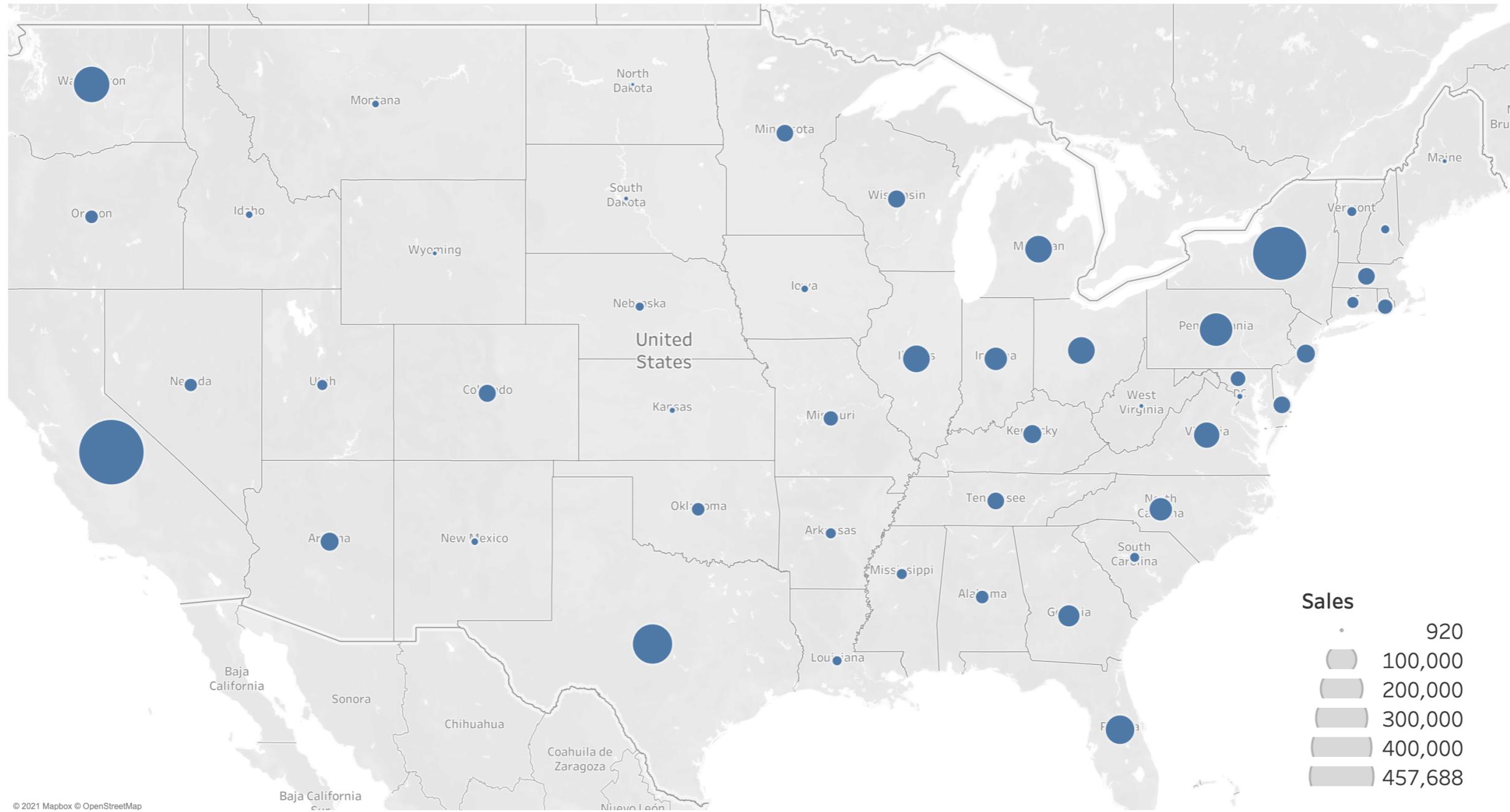
# What is geographic data?



# Filled map



# Symbol maps



# Recognized geographic types

- Automatically assign coordinates to:
  - US area codes
  - Cities worldwide
  - US congressional districts
  - Worldwide countries/regions
  - US counties
  - Worldwide states/provinces
  - Postal codes
- Geocoding
- Globe icon 

<sup>1</sup> [https://help.tableau.com/current/pro/desktop/en-us/maps\\_geographicroles.htm](https://help.tableau.com/current/pro/desktop/en-us/maps_geographicroles.htm)

Data



World Health  
Organization

# Business question

What was the population growth of the country with the highest population in 2008?

# **Demo time!**

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# Creating a symbol map

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# **Let's practice!**

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# Working with dates

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# Dates



# Date data

Dimensions

ABC Continent

🌐 Country

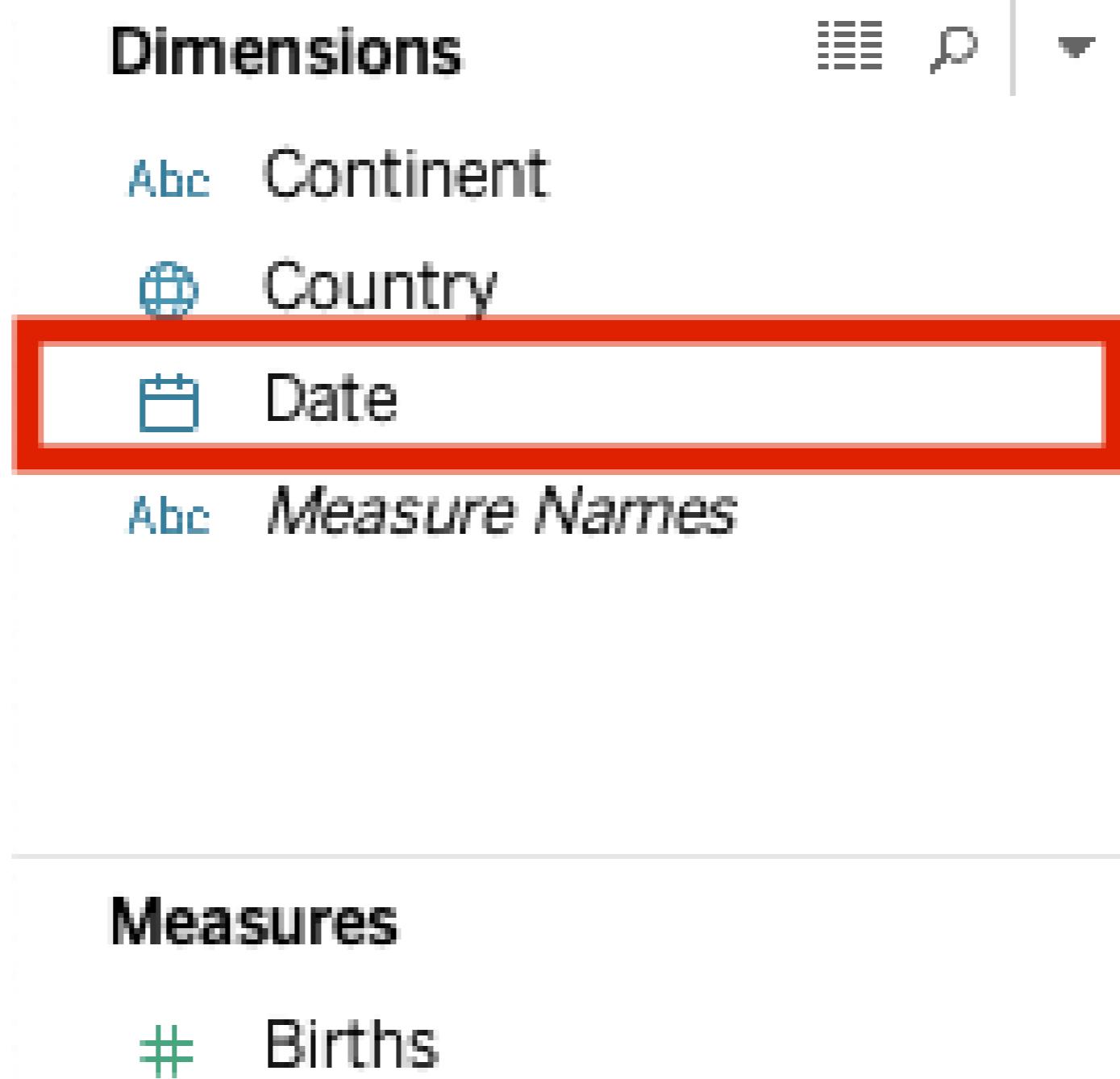
📅 Date

ABC Measure Names

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Measures

# Births



The screenshot shows the 'Dimensions' and 'Measures' sections of the Tableau Data Source pane. The 'Dimensions' section contains four items: 'Continent' (ABC), 'Country' (🌐), 'Date' (📅), and 'Measure Names' (ABC). The 'Date' item is highlighted with a red border. The 'Measures' section contains one item: 'Births' (#). The Tableau interface includes a search bar and a filter icon at the top right.

# Date hierarchy

- Year
- Quarter
- Month
- Day

# Business question

Is there seasonality to the number of births in Chile? If yes, during which month are the fewest babies typically born?

# **Let's practice!**

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# Visualizing dates

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# **Let's practice!**

## **INTRODUCTION TO TABLEAU**

# Reference lines, trend lines, and forecasting

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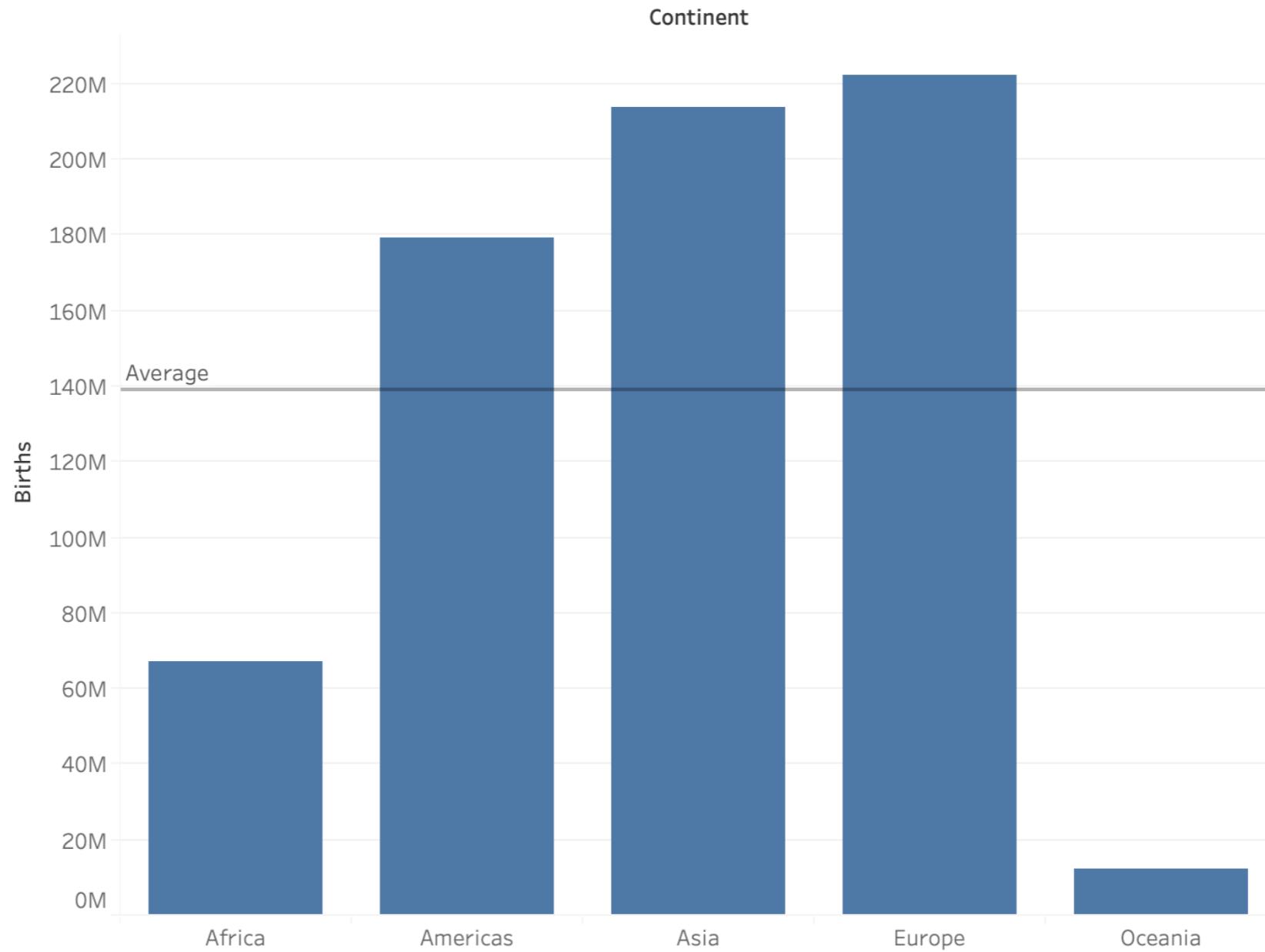
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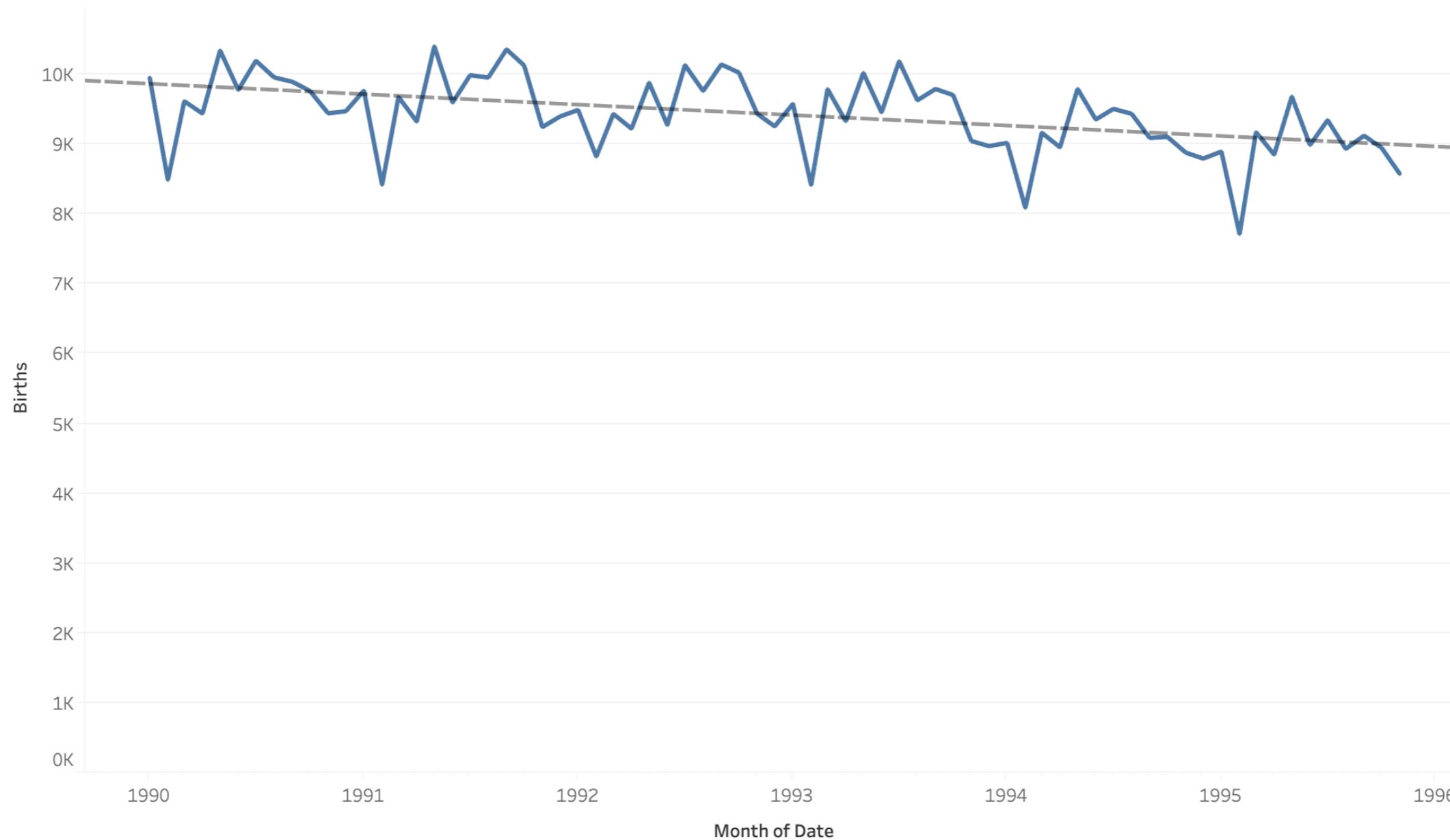
# Enhancing your visualization

- Reference lines
- Trend lines
- Forecasting

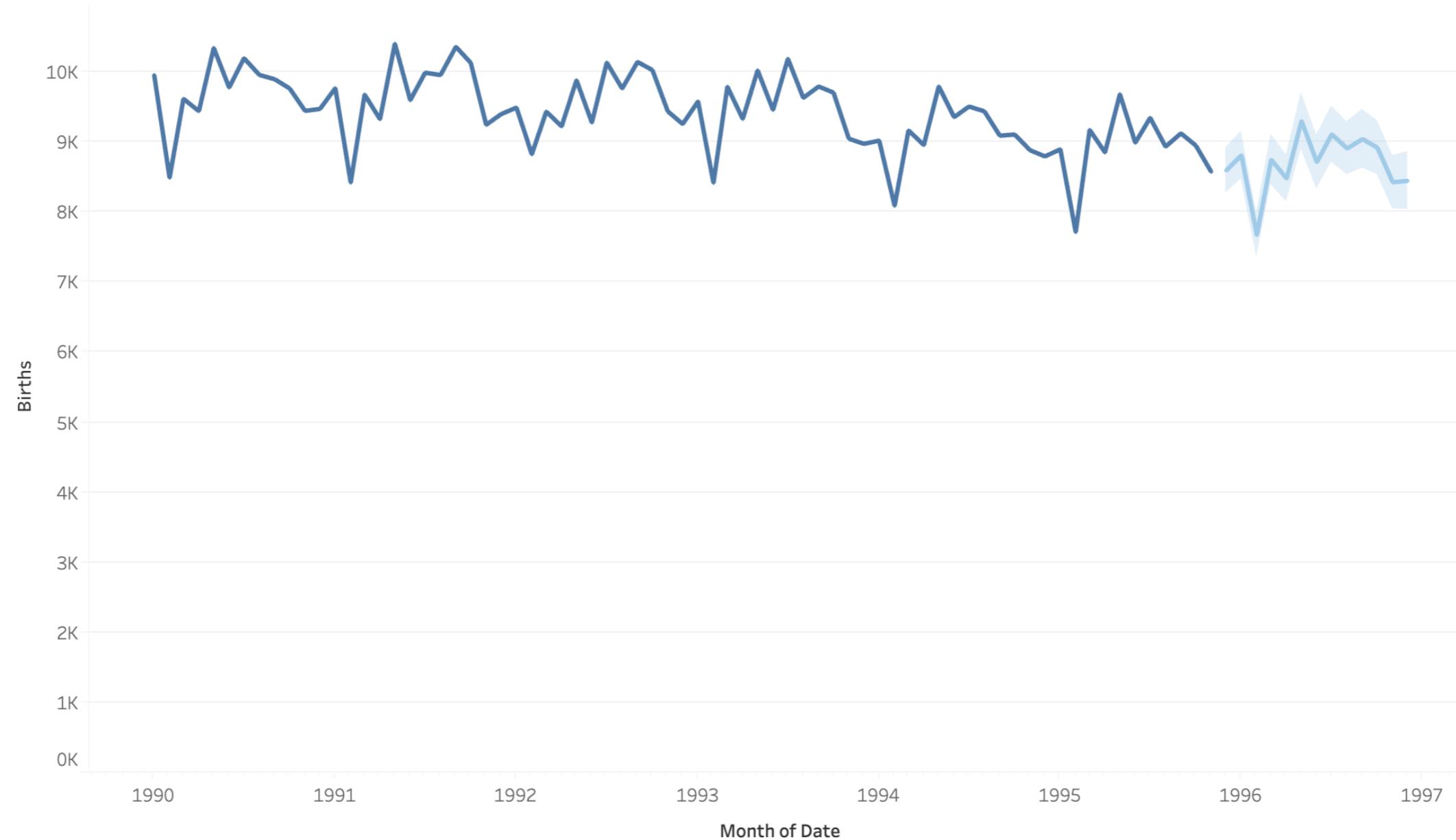
# Reference lines



# Trend lines



# Forecasting



# Business question

Is the forecasted number of births in Japan during December 2019 higher than the average over the last five years?

# **Demo time!**

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# Adding reference lines, trend lines, and forecasting

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# **Let's practice!**

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