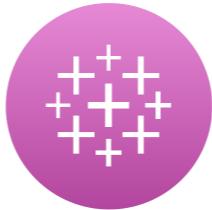


# Mapping your data

INTRODUCTION TO TABLEAU



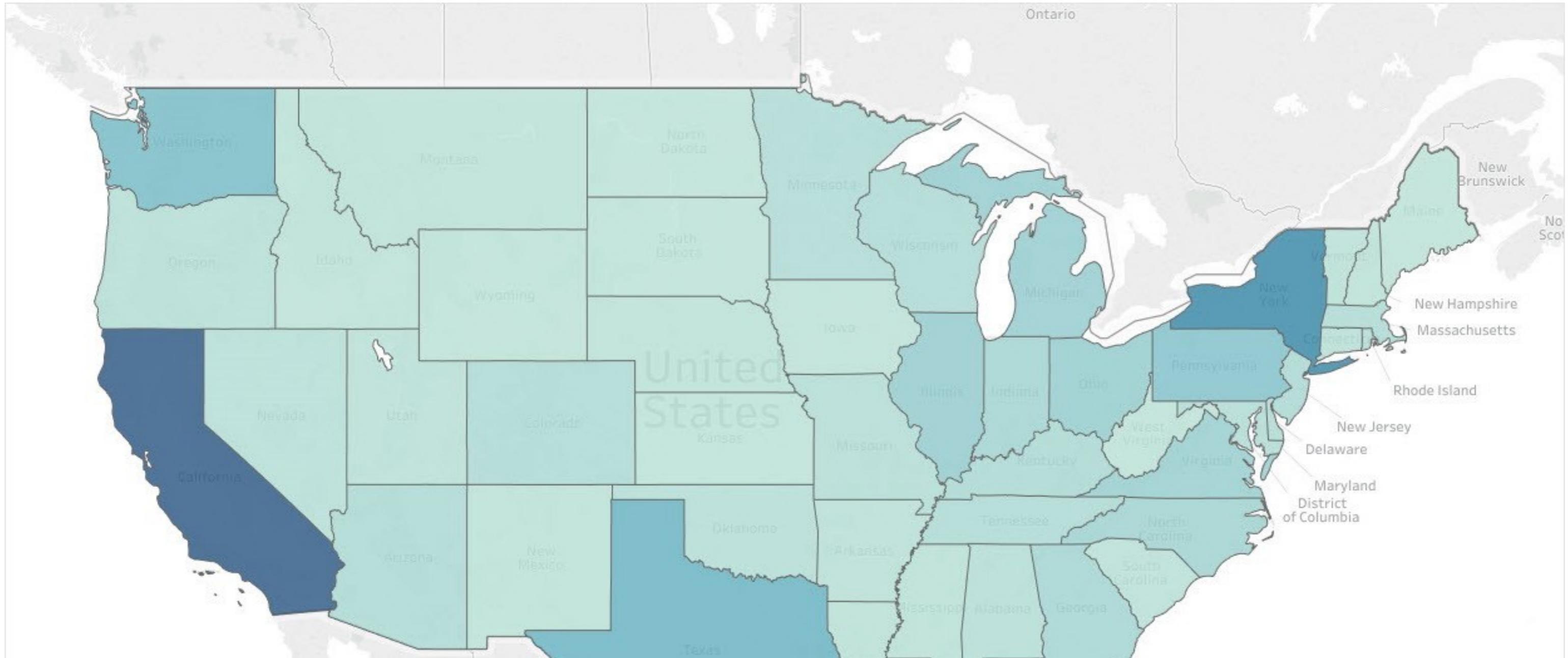
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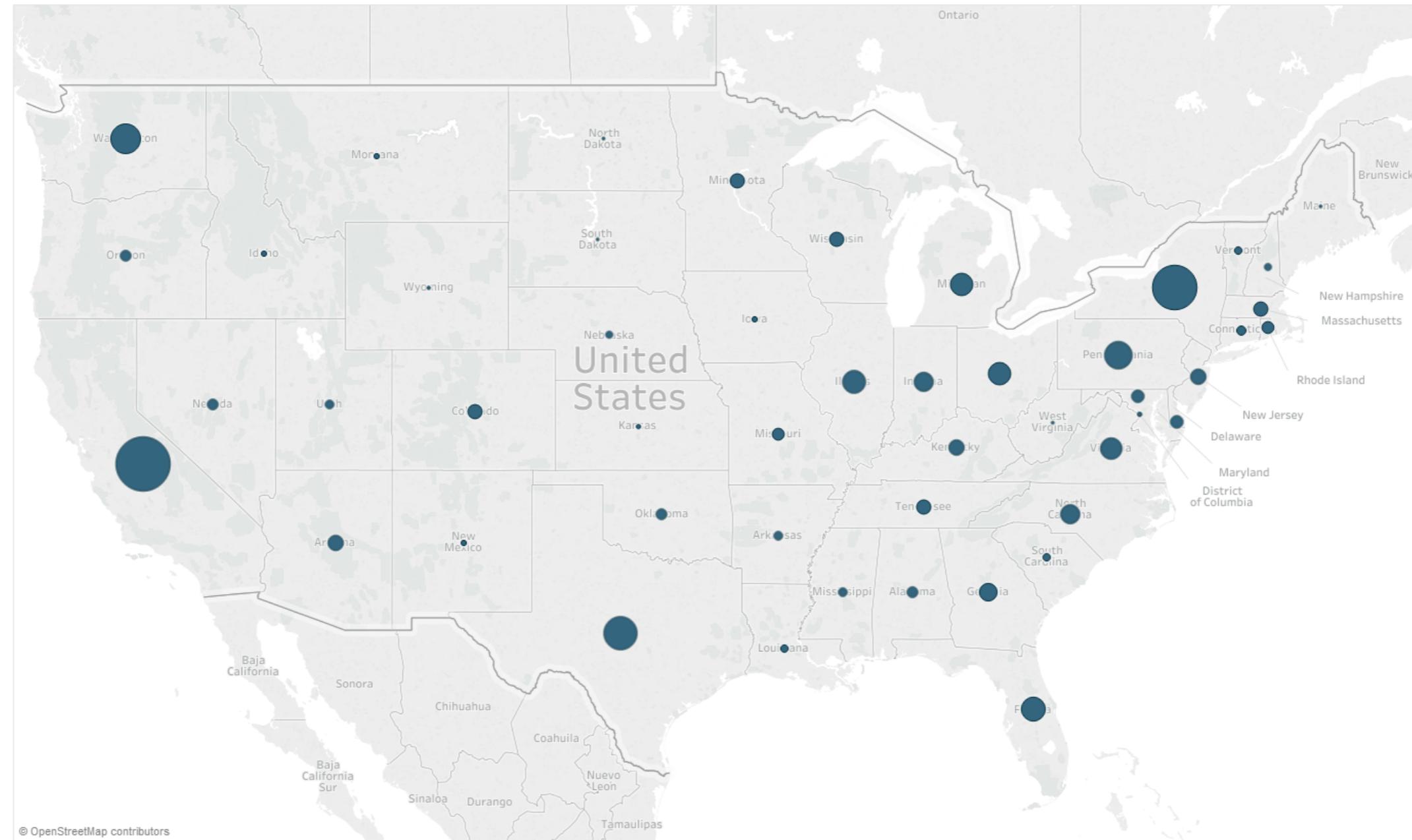
# What is geographic data?



# 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 

# Data



World Health  
Organization

# Business question

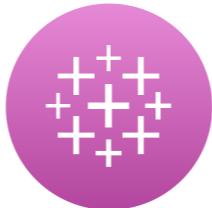
What was the population growth of the country with the highest population in 2008?

# Demo time!

## INTRODUCTION TO TABLEAU

# Creating a symbol map

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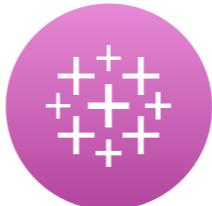
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# Let's practice!

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# Customizing your symbol map

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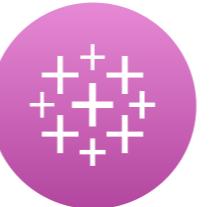
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# Let's practice!

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# Quick table calculations

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# Table calculations

- Calculation applied to a visualization
- Running total, difference, percent of total, moving average, etc.
- Calculated on what is currently in the visualization

# Table calculations

Table calculations are defined by how they are:

- scope
- direction

# Table calculations - scope

Continent	Year				
	1990	1991	1992	1993	1994
Africa	548,670	563,029	577,407	591,890	606,605
Americas	690,914	701,121	711,316	721,555	731,917
Asia	2,988,544	3,040,943	3,091,263	3,139,935	3,187,691
Europe	550,911	552,327	553,641	554,786	555,677
Oceania	26,492	26,901	27,307	27,709	28,108

# Table calculations - direction

Continent	Year				
	1990	1991	1992	1993	1994
Africa	548,670	563,029	577,407	591,890	606,615
Americas	690,914	701,121	711,316	721,555	731,927
Asia	2,988,544	3,040,943	3,091,263	3,139,935	3,187,611
Europe	550,911	552,327	553,641	554,786	555,627
Oceania	26,492	26,901	27,307	27,709	28,133

# Table calculations - example

## Running total

Continent	Year				
	1990	1991	1992	1993	1994
Africa	548,670	563,029	577,407	591,890	606,605
	548,670	1,111,699	1,689,107	2,280,997	2,887,602
Americas	690,914	701,121	711,316	721,555	731,917
	690,914	1,392,035	2,103,351	2,824,907	3,556,823
Asia	2,988,544	3,040,943	3,091,263	3,139,935	3,187,691
	2,988,544	6,029,487	9,120,750	12,260,686	15,448,377
Europe	550,911	552,327	553,641	554,786	555,677
	550,911	1,103,238	1,656,879	2,211,665	2,767,342
Oceania	26,492	26,901	27,307	27,709	28,108
	26,492	53,393	80,700	108,409	136,516

# Quick table calculations

- Table calculations that you can apply quickly
- Applied with the most typical settings for the calculation type

# Business Question

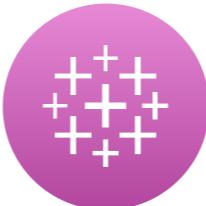
For what country in the Americas is the difference in average life expectancy between men and women the highest?

# Demo time!

## INTRODUCTION TO TABLEAU

# Creating a highlight table

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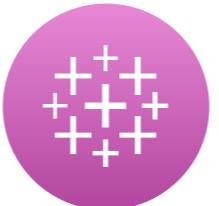
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# Let's practice!

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# Applying a quick table calculation

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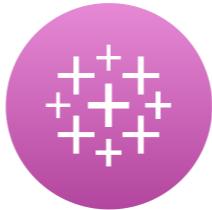
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# Let's practice!

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# Working with dates

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# Dates



# Date data

Dimensions

ABC Continent

🌐 Country

Date

ABC Measure Names

---

Measures

# Births

..

# Date hierarchy

- Year
- Quarter
- Month
- Day

# Business question

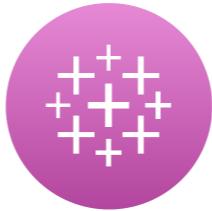
Is there seasonality to the number of births in Chile? If yes, during which month are the fewest babies typically born?

# Let's practice!

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# Visualizing dates

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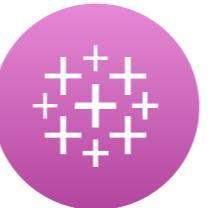
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# Let's practice!

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# Increasing granularity

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# Let's practice!

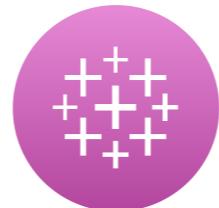
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# Reference lines, trend lines, and forecasting

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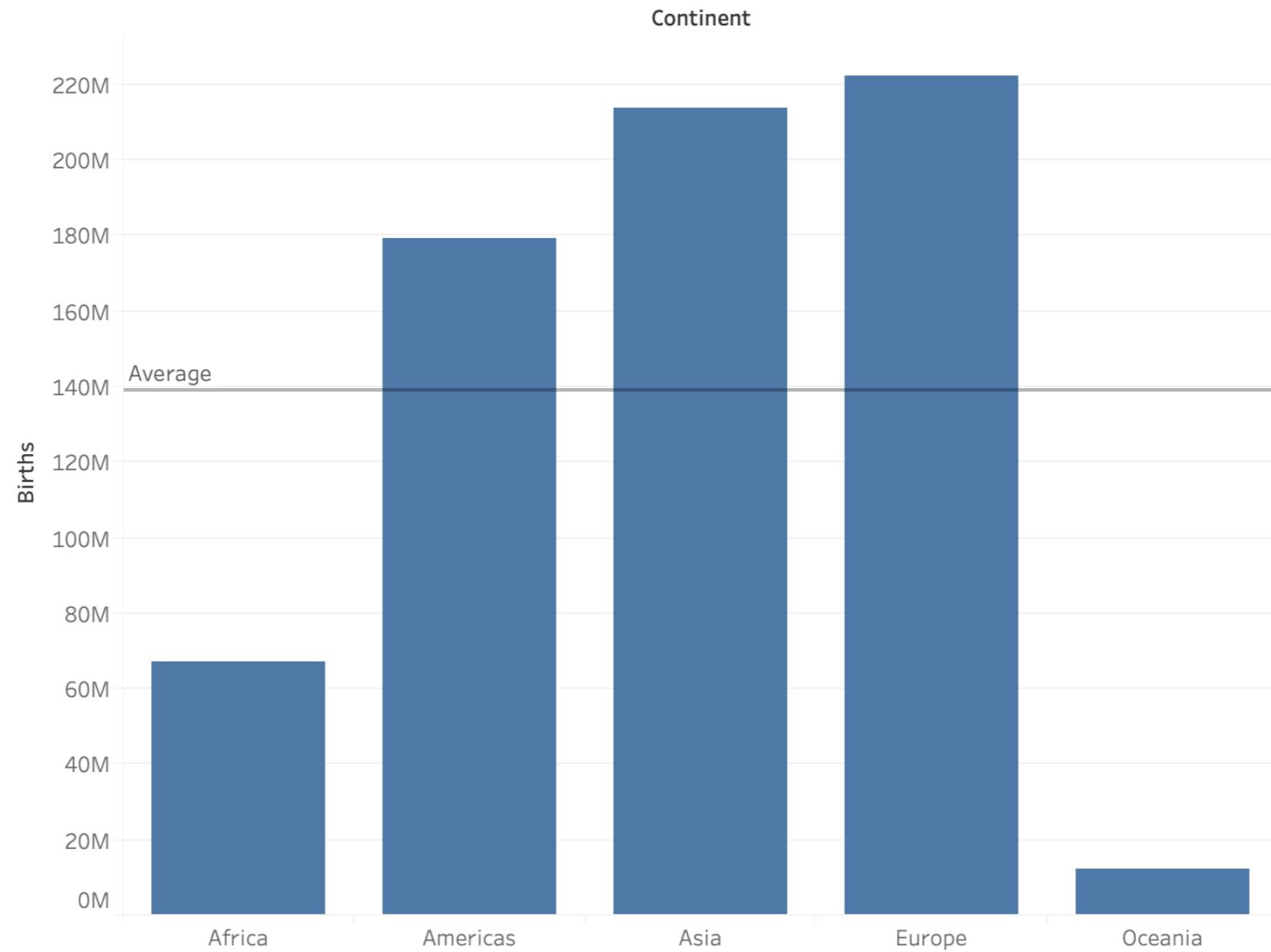
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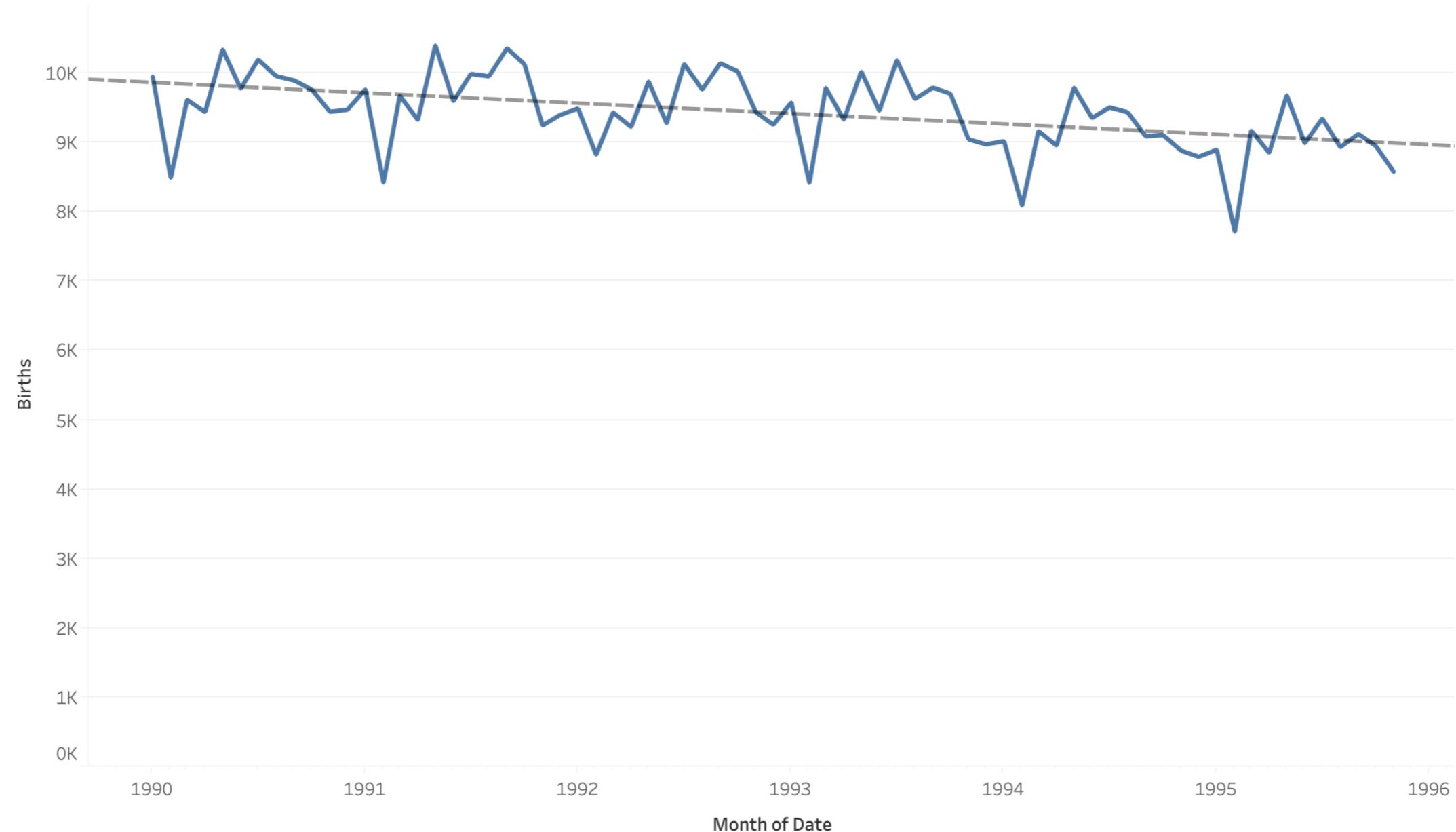
# Enhancing your visualization

- Reference lines
- Trend lines
- Forecasting

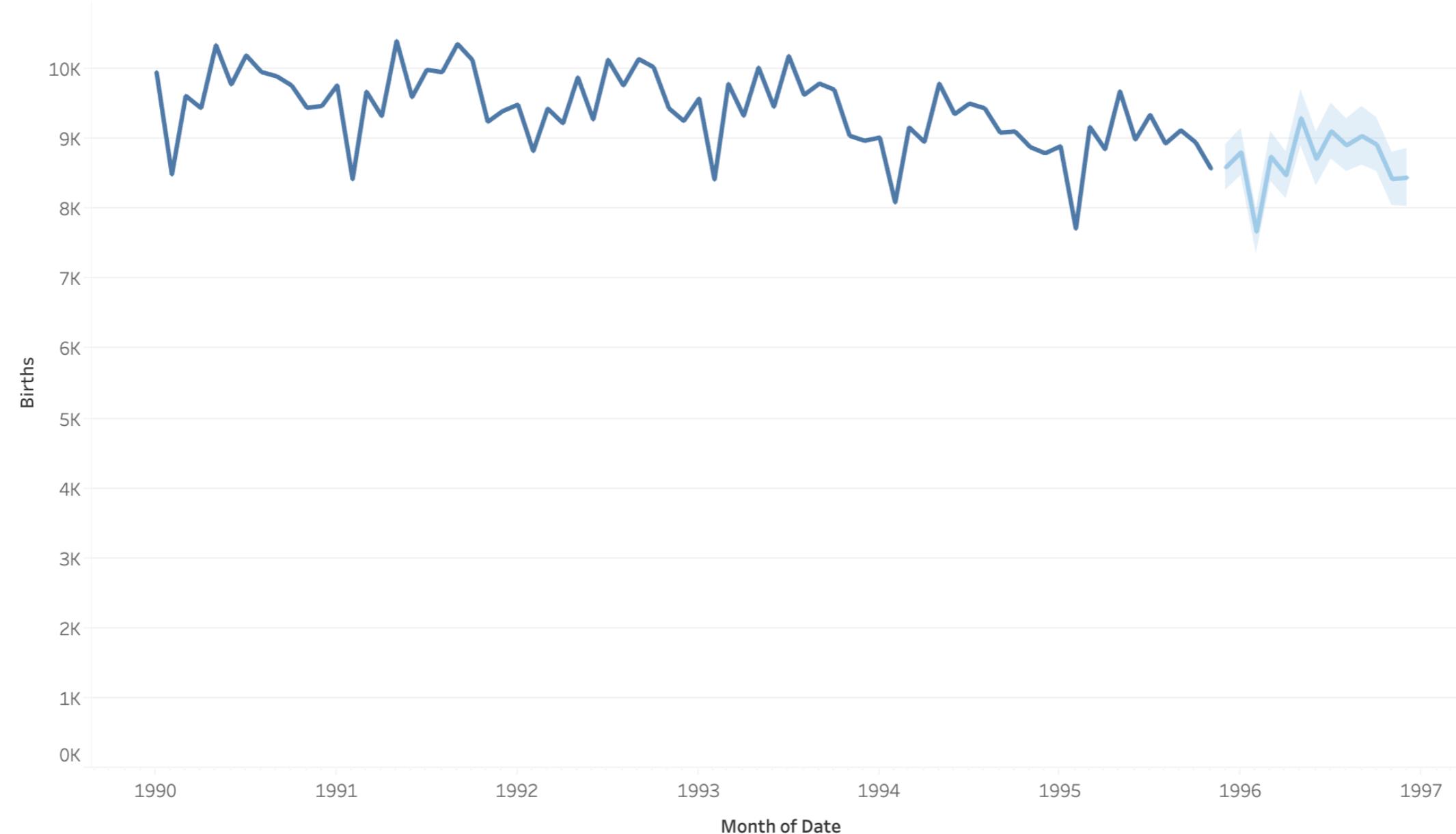
# Reference lines



# Trend lines



# Forecasting



# Business question

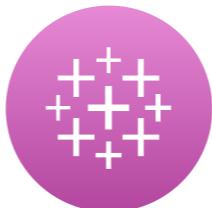
Is the forecasted number of deaths in Costa Rica during December 2019 higher than the average over the last five years?

# Demo time!

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# Adding reference lines

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# Let's practice!

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# Adding trend lines and forecasting

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# Let's practice!

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