

Data Visualization for Sustainable Development

The Power of Data-Driven Decision Making



Agenda

What we'll be talking about

- Who we are
- Why data matters
- Where our data is from
- Cleaning your data with Tableau Prep
- Exploring the Dashboard
- Creating Dashboards
- Sharing your visualizations

Who We Are

And How We Can Help



- Data Analytics
- Data Engineering
- Technology Stewards
- Software Development
- Systems Integrations
- More!

Our Strongest Technologies



Chris Birk
CEO / Co-Founder



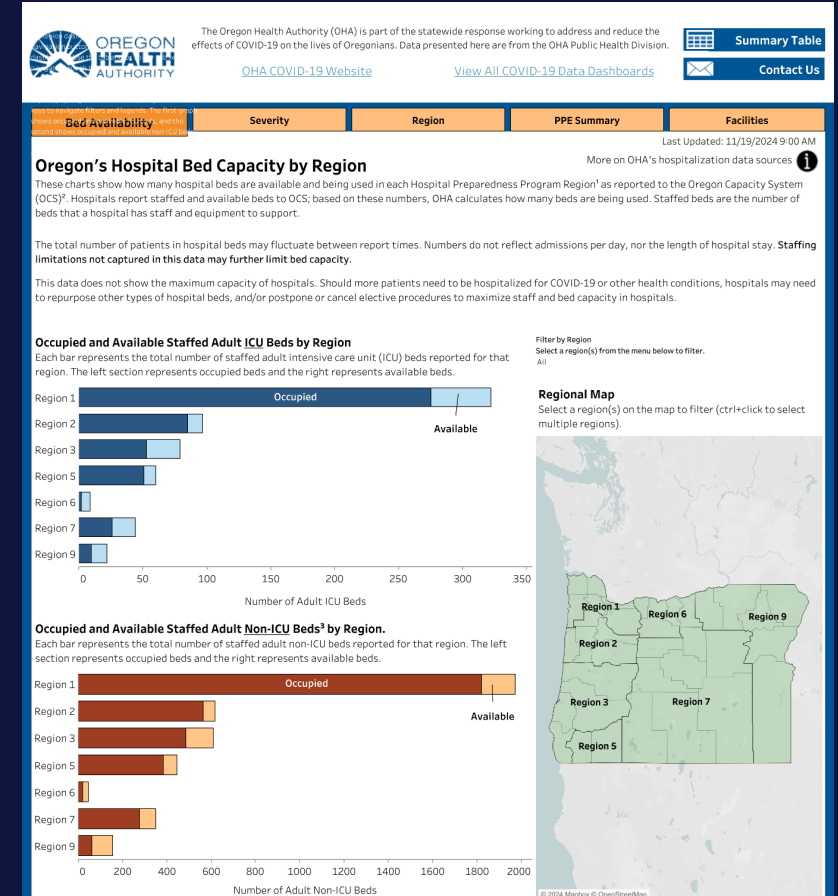
Danny Steinmetz
Data and Analytics Lead

Importance of Data

How Data can Influence Change

- Data Can:
 - Supporting Policy's Effectiveness
 - Resource Allocation
 - Identifying Outliers
- All Industries
 - **Public Health:** combating the spread of infectious disease
 - **Education:** personalized learning approaches
 - **Environmental Protection:** mitigate climate change and protect natural resources

Oregon Health Authority



Gathering the Data

A bit About Our Sources



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The **Food Security Portal** (FSP), facilitated by IFPRI and supported by the European Commission, provides up-to-date data and information about dynamic developments in the world food system.

The **World Bank Group** is an international organization that provides financial and technical assistance to developing countries to help reduce poverty and improve living standards

Disclaimer

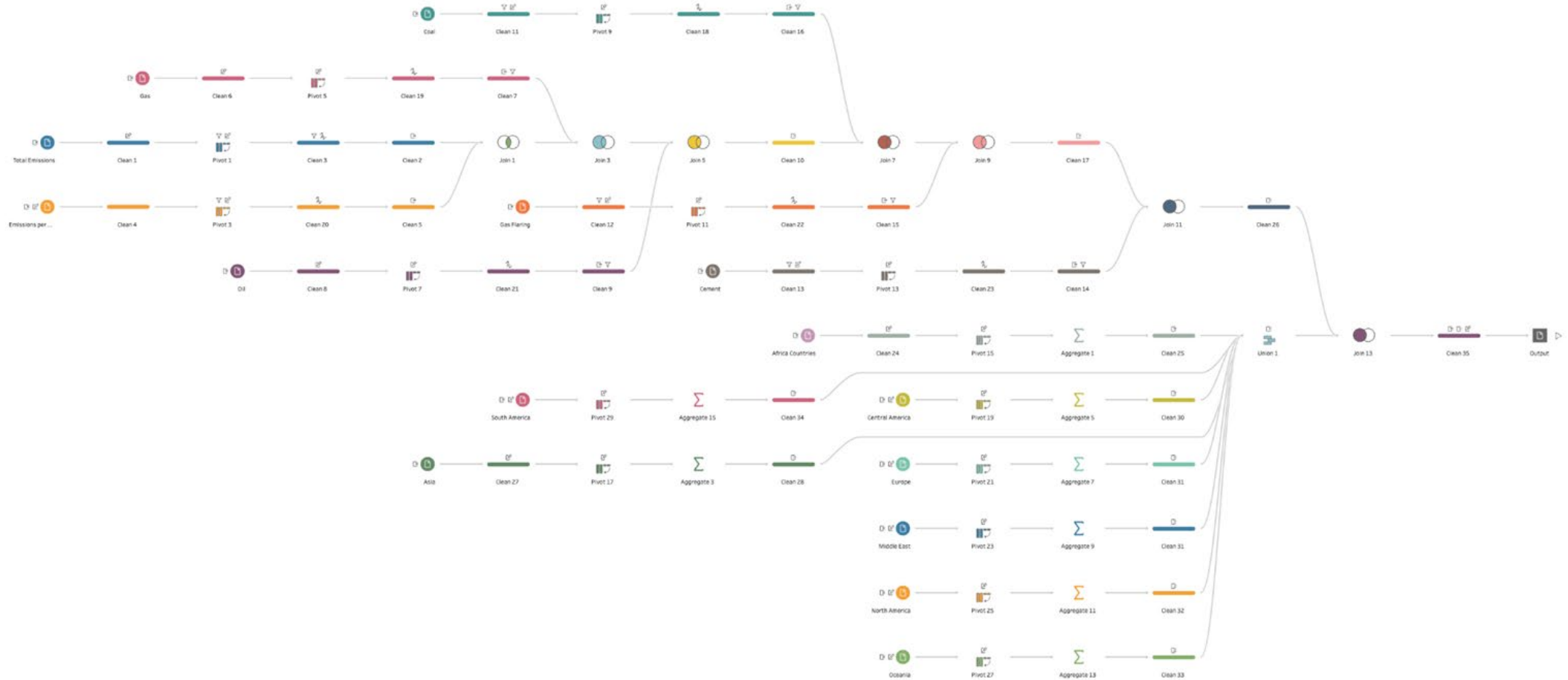
- Data may be incomplete
- Data may be unavailable for certain regions or years
- Not designed with specific groups in mind
- Example dashboards
- I am human



The **Global Carbon Project** (GCP) integrates knowledge of greenhouse gases for human activities and the Earth system

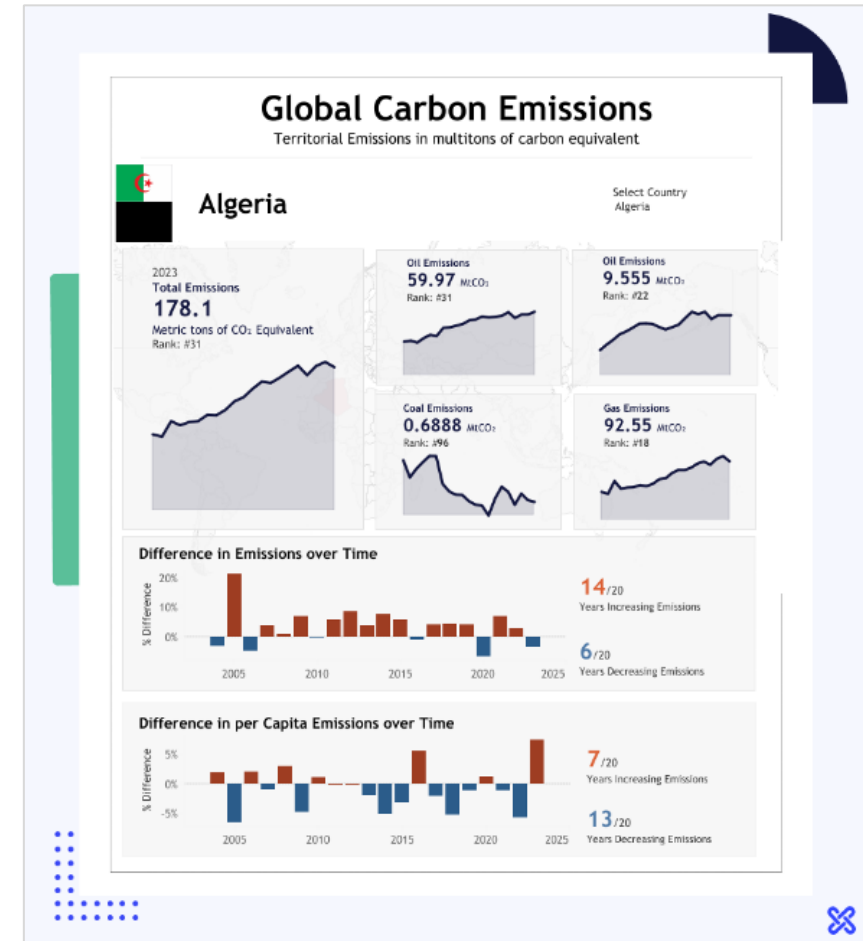
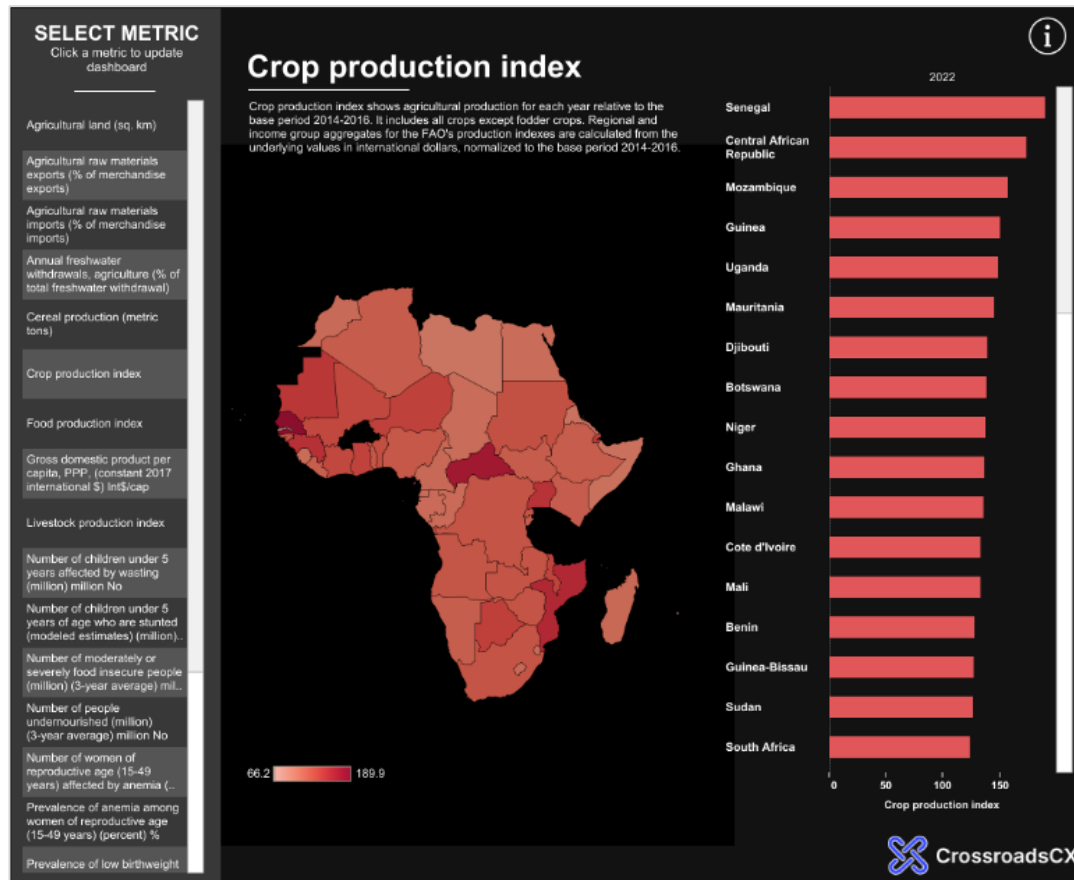
Cleaning the Data

Tableau Prep



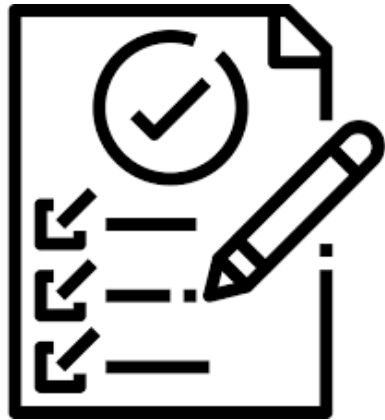
Exploring the Data

Interactive Dashboarding



Creating Dashboards

My Process



Gather
Requirements



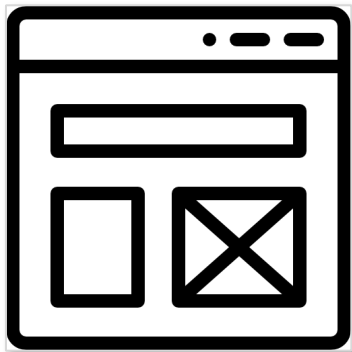
Write Down **All**
Your Questions



Build Chart(s)
for **All** Your
Questions



Design Layout



Iterate. Iterate. Iterate

Creating Dashboards

Resources and Inspiration



- Viz of the Day
- Search by Field/Industry
- Specific Authors
 - [Andy Cotgreave](#)
 - [Andy Kriebel](#)
 - [Crossroads CX](#)



- Mission Driven Organizations
- Regular Contest
- Technology Agnostic



- Behance.net
- Graphic Design
- Color Palettes, Layouts, Explanations

Sharing Your Data

Tableau Server, Tableau Cloud, Tableau Public



Tableau Online

Want the sharing and collaboration of Server, but without having to actually manage a server? Then you want Tableau Online. Secure. Scalable. And Look Ma—No hardware to maintain!



Tableau Server

Share your data and dashboards to multiply your impact. Whether you keep your Server deployment on-prem or deploy to the public cloud you can keep the management of your server in your hands.

Thank You!

Contact Us

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Questions