



Developer Student Clubs
The Islamic University of Gaza

Data Visualization

Mohammed A. El-Agha

Outline

- What is Data Visualization?
- Benefits of Data Visualization
- Types of Visuals
- Dimensionality of Visual
- Understanding Visual



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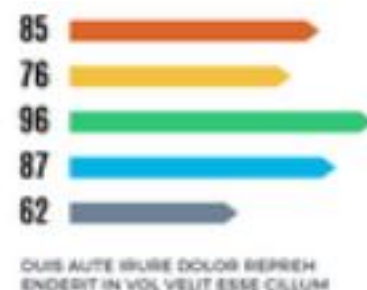
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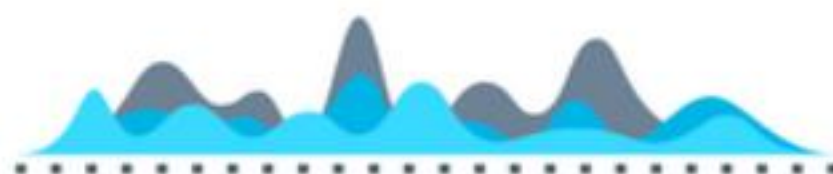
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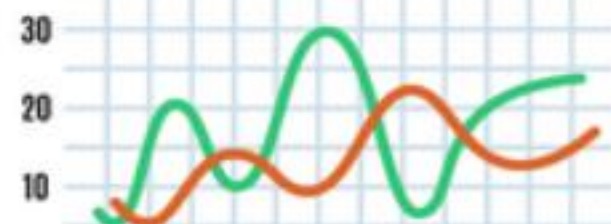
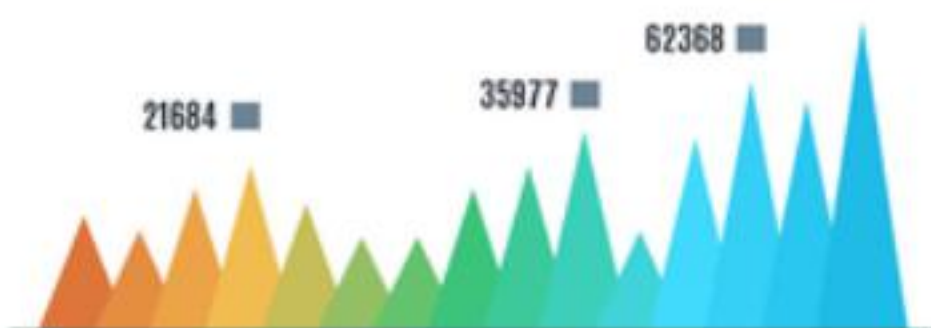
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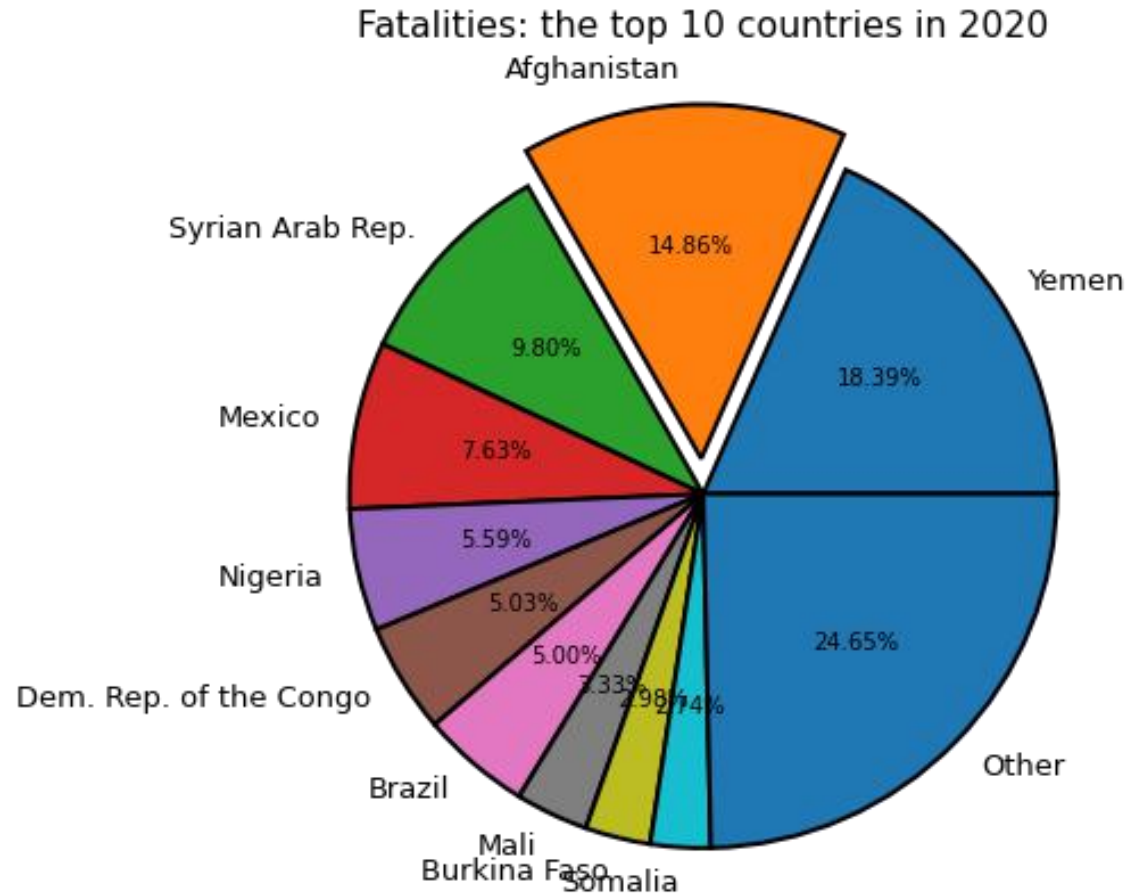
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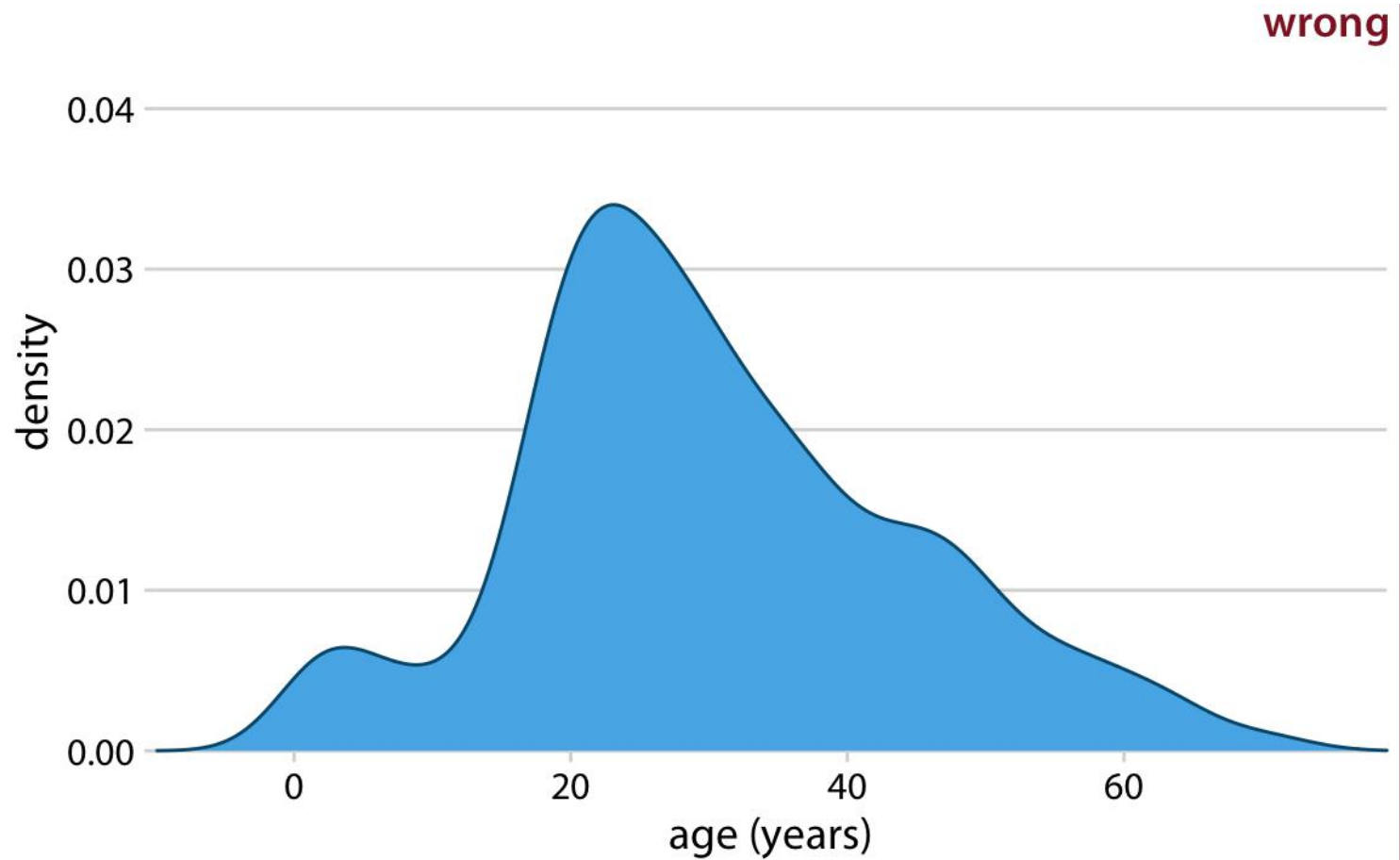
Benefits of Data Visualization

- Understanding data by workers
- Understanding data by business
- Results presentation
- Show variables and changes
- Show data density
- Show data distribution

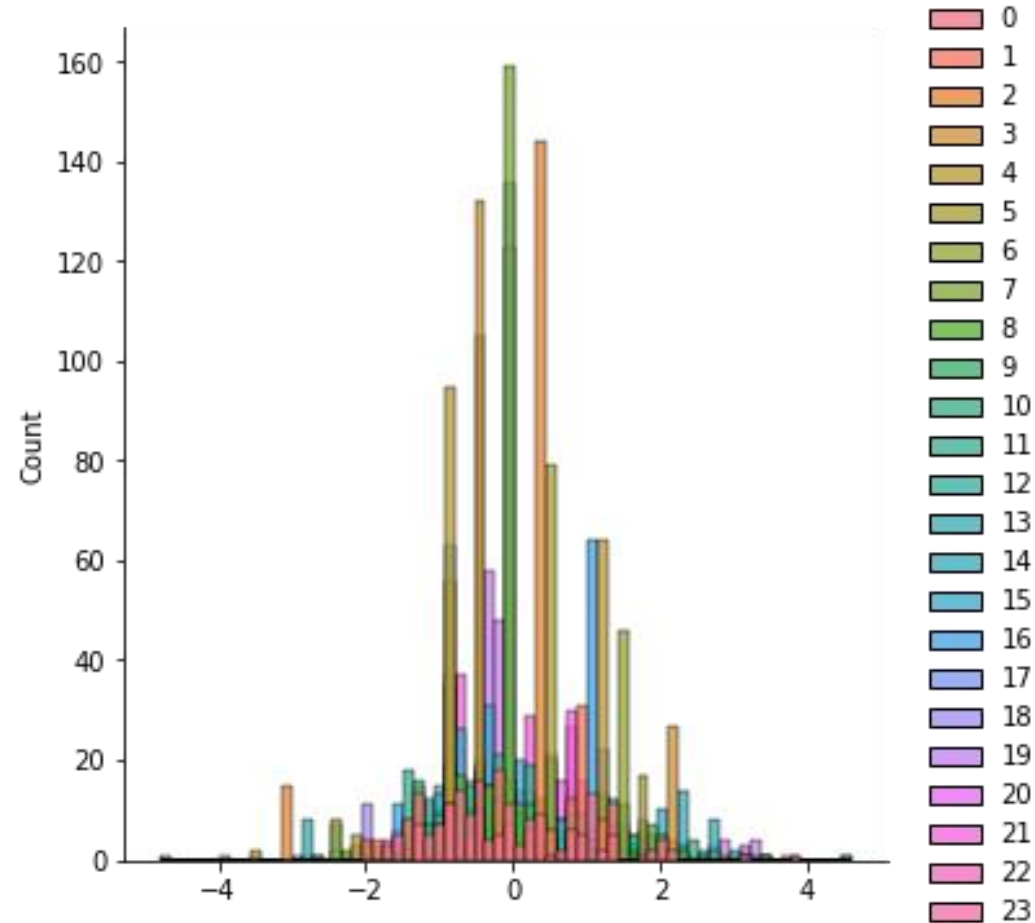
Benefits of Data Visualization



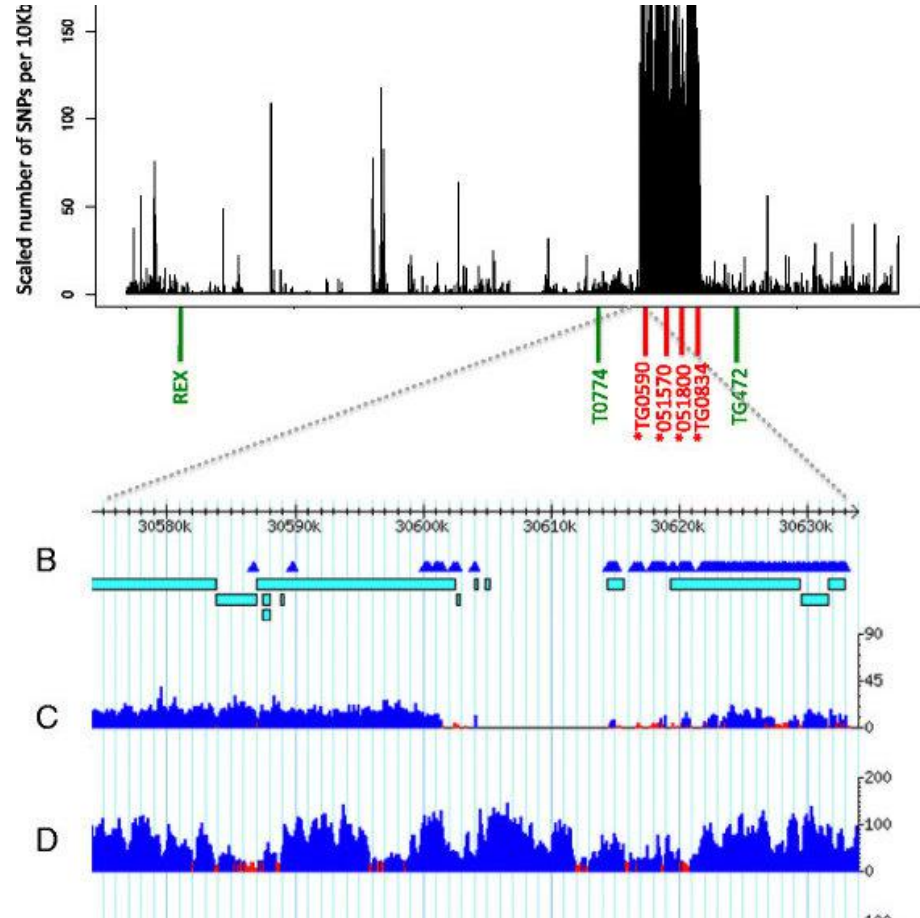
Benefits of Data Visualization



Benefits of Data Visualization



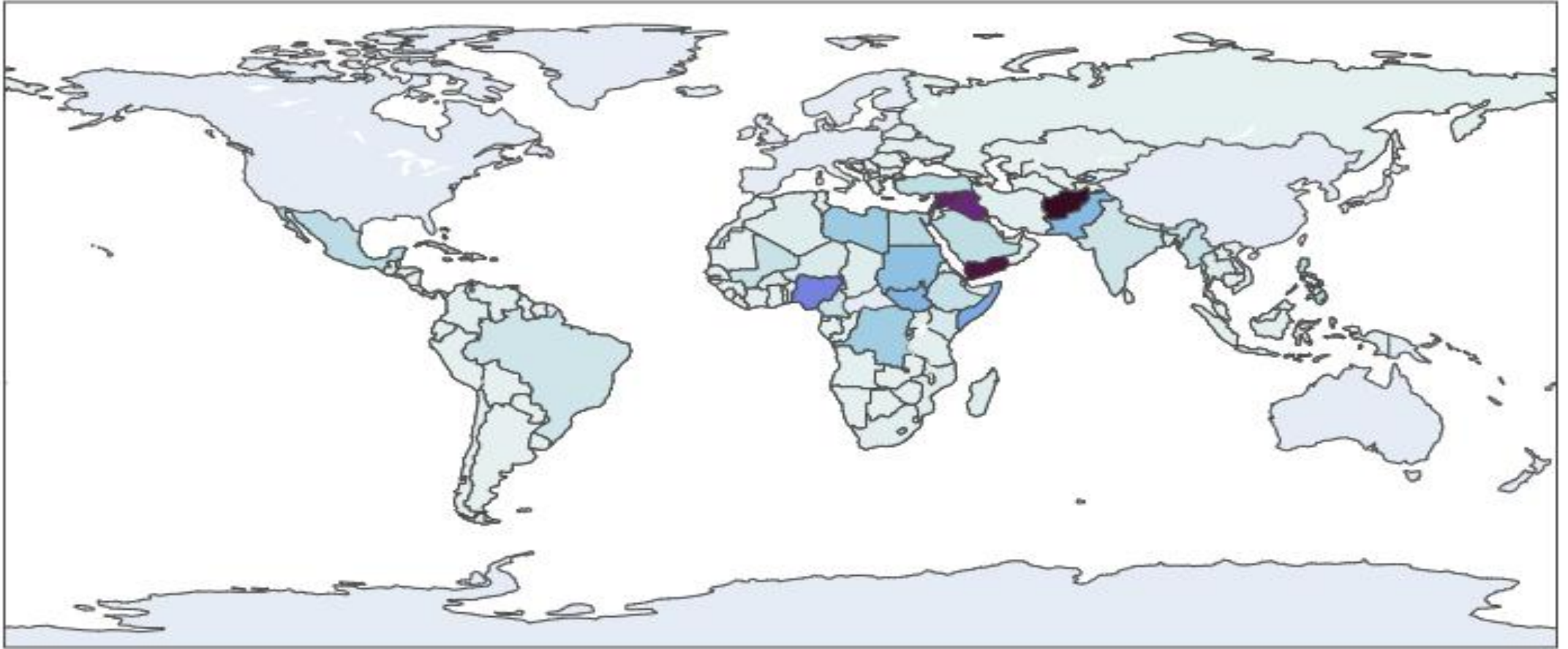
Benefits of Data Visualization

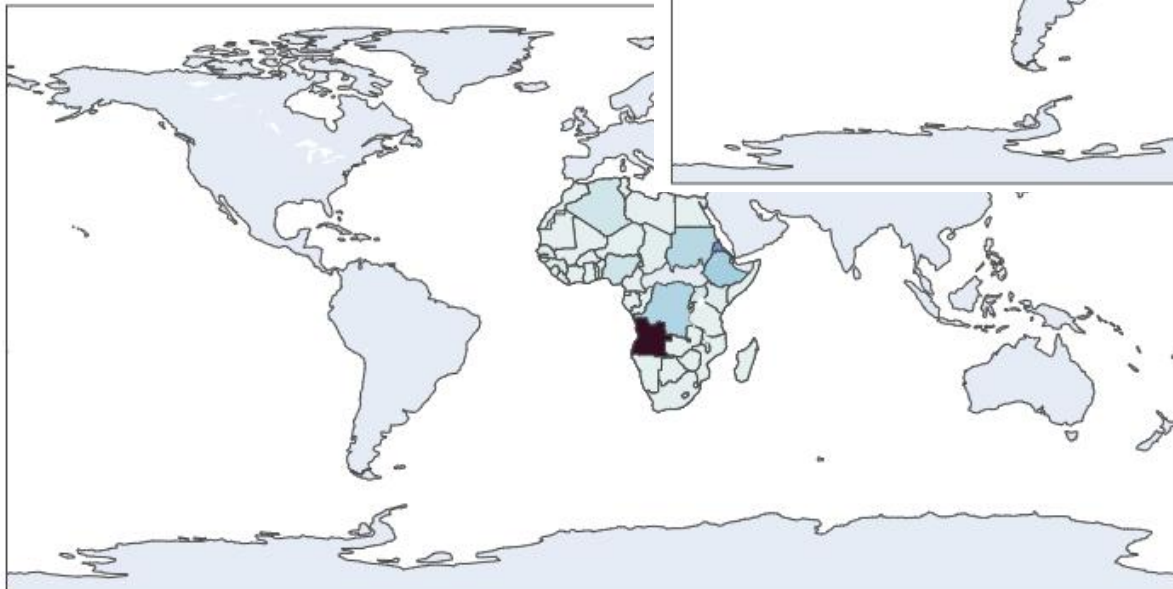
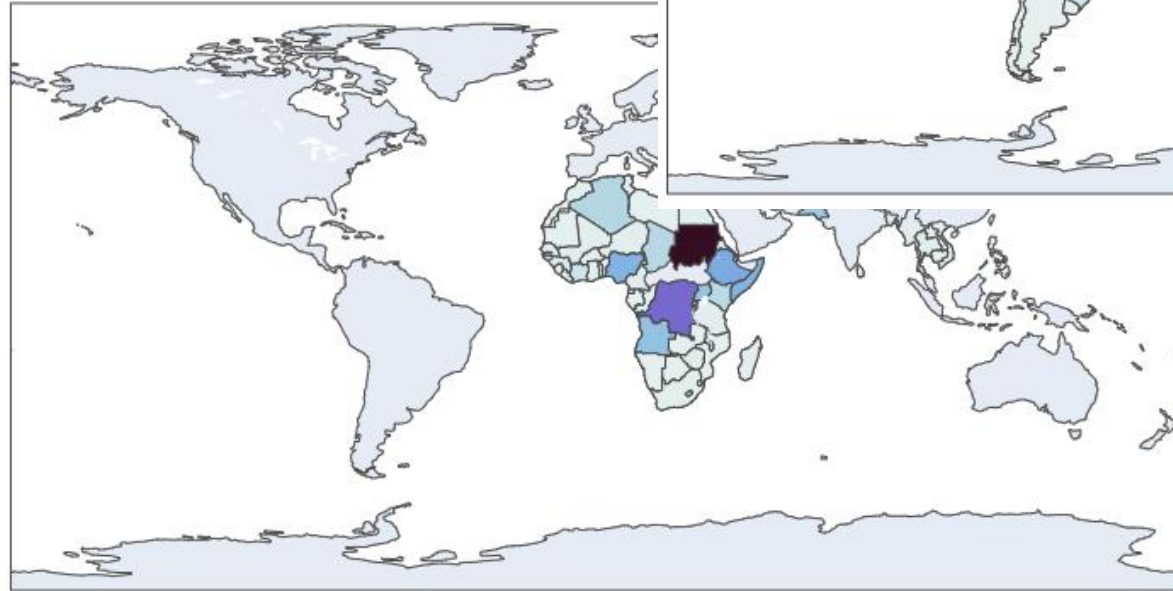
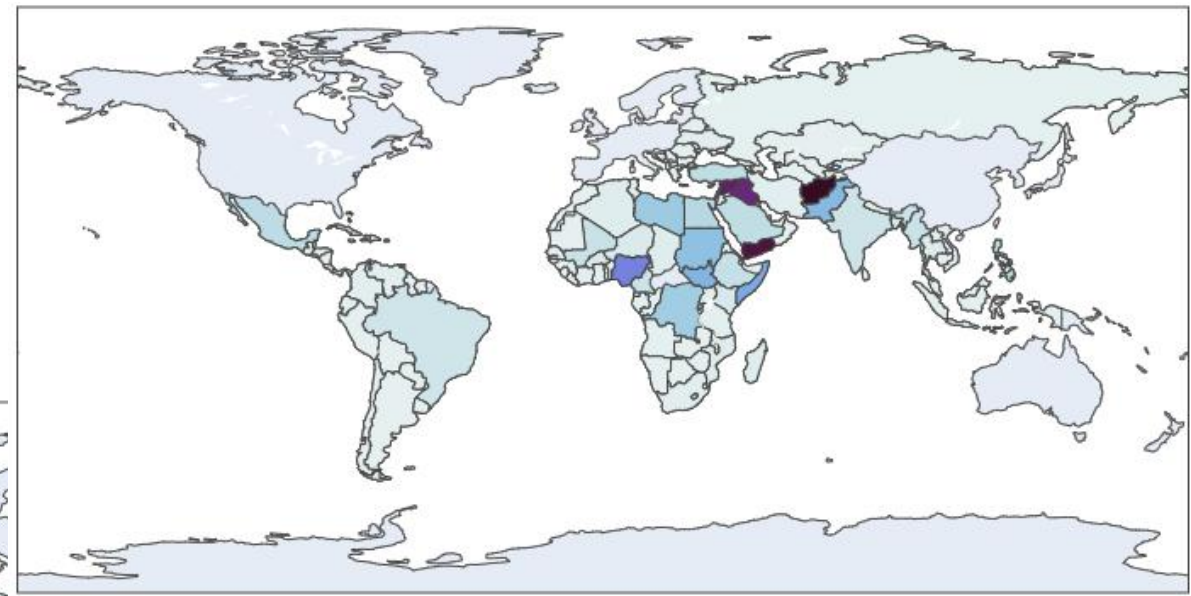


Types of Visuals

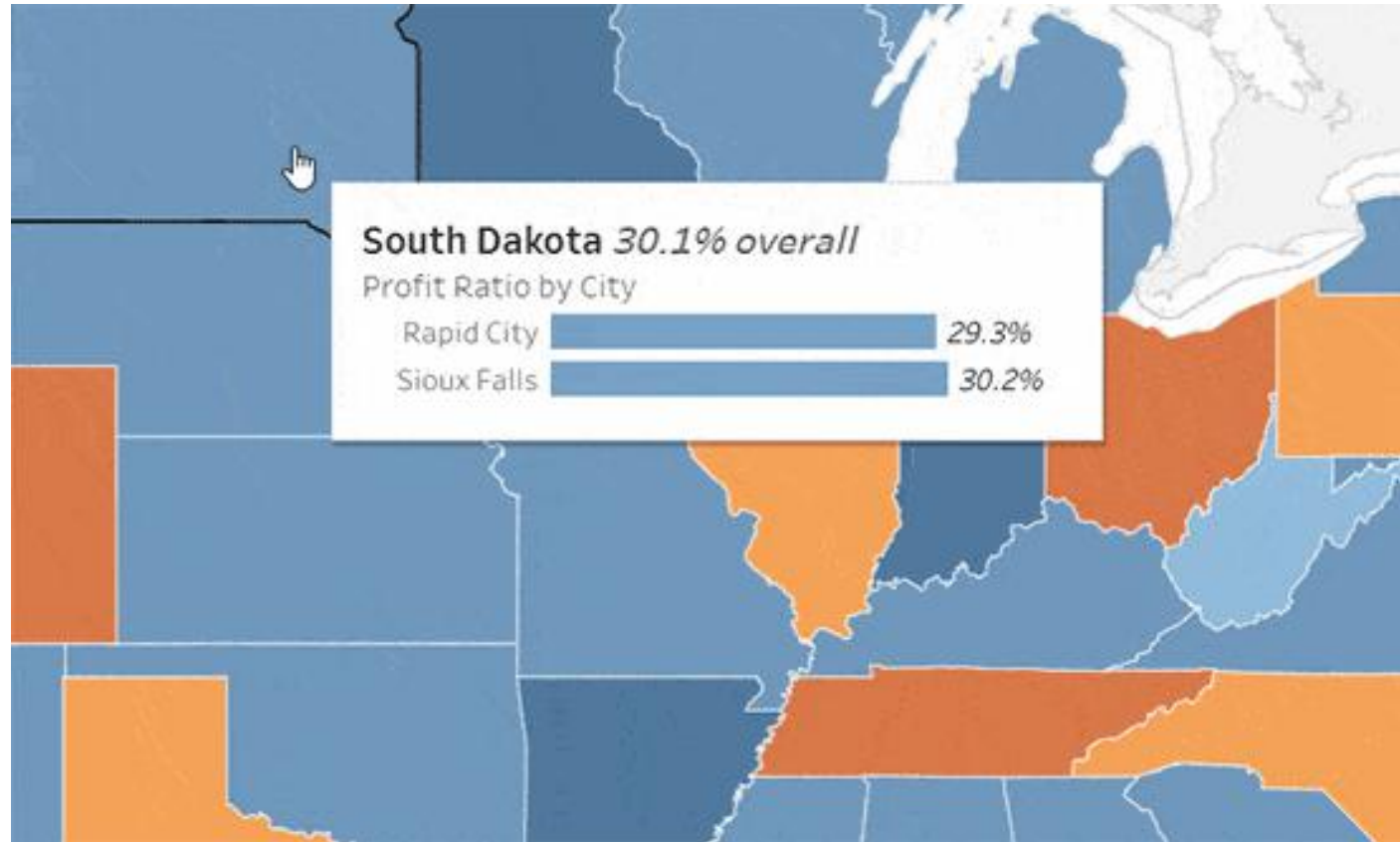
- Chart
- Table
- Graph
- Map
- Infographic
- Dashboard

Types of Visuals





Types of Visuals



Types of Visuals



Six Principles of Connected Learning

Connected learning isn't a burden that one organization shoulders on its own, and is about building connections across different sites of learning.



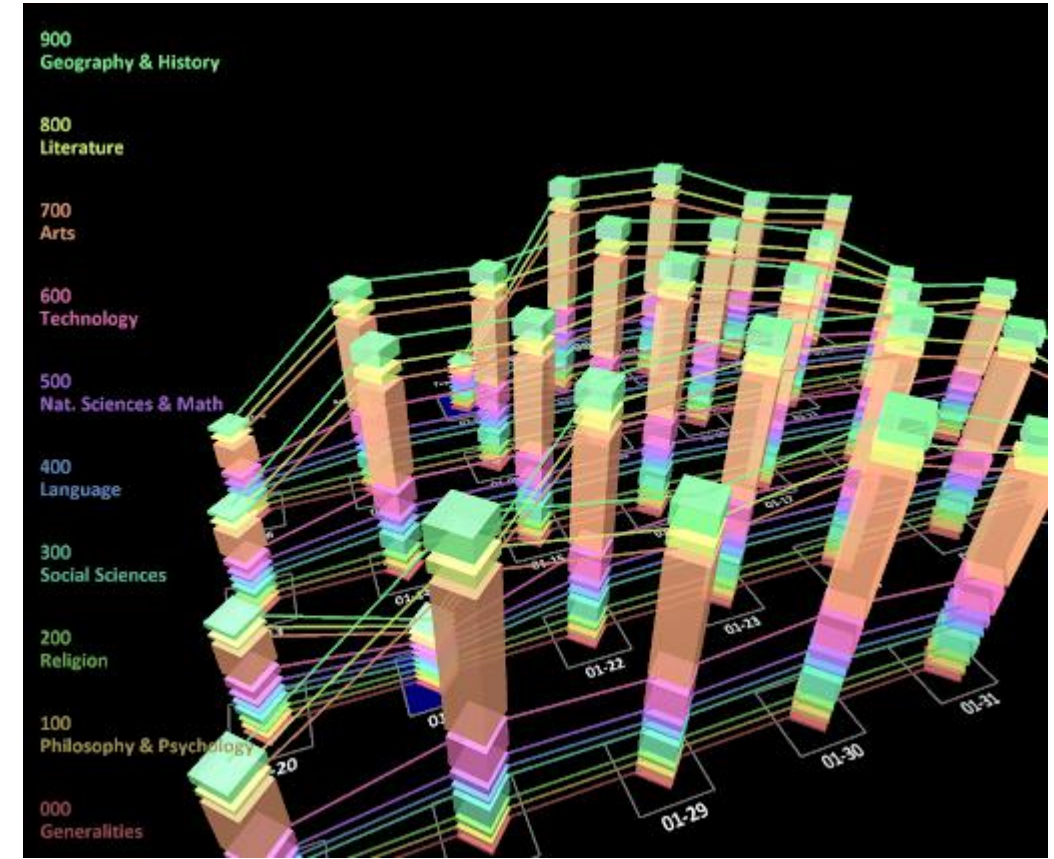
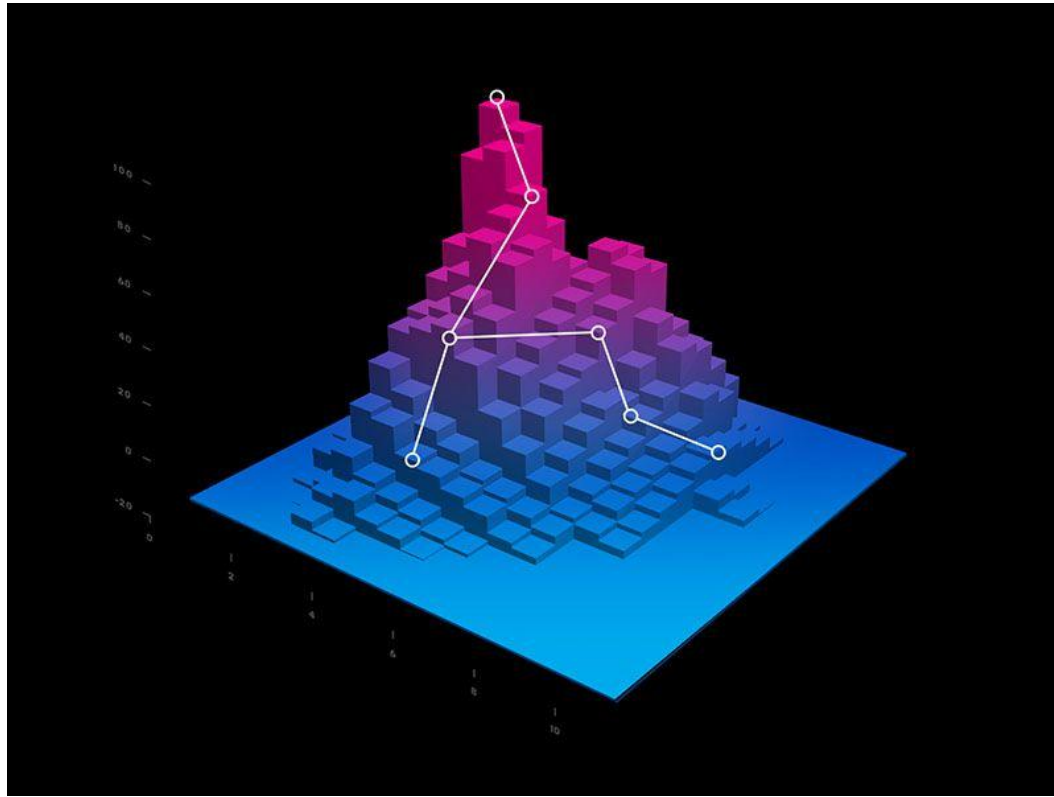
Academically Oriented

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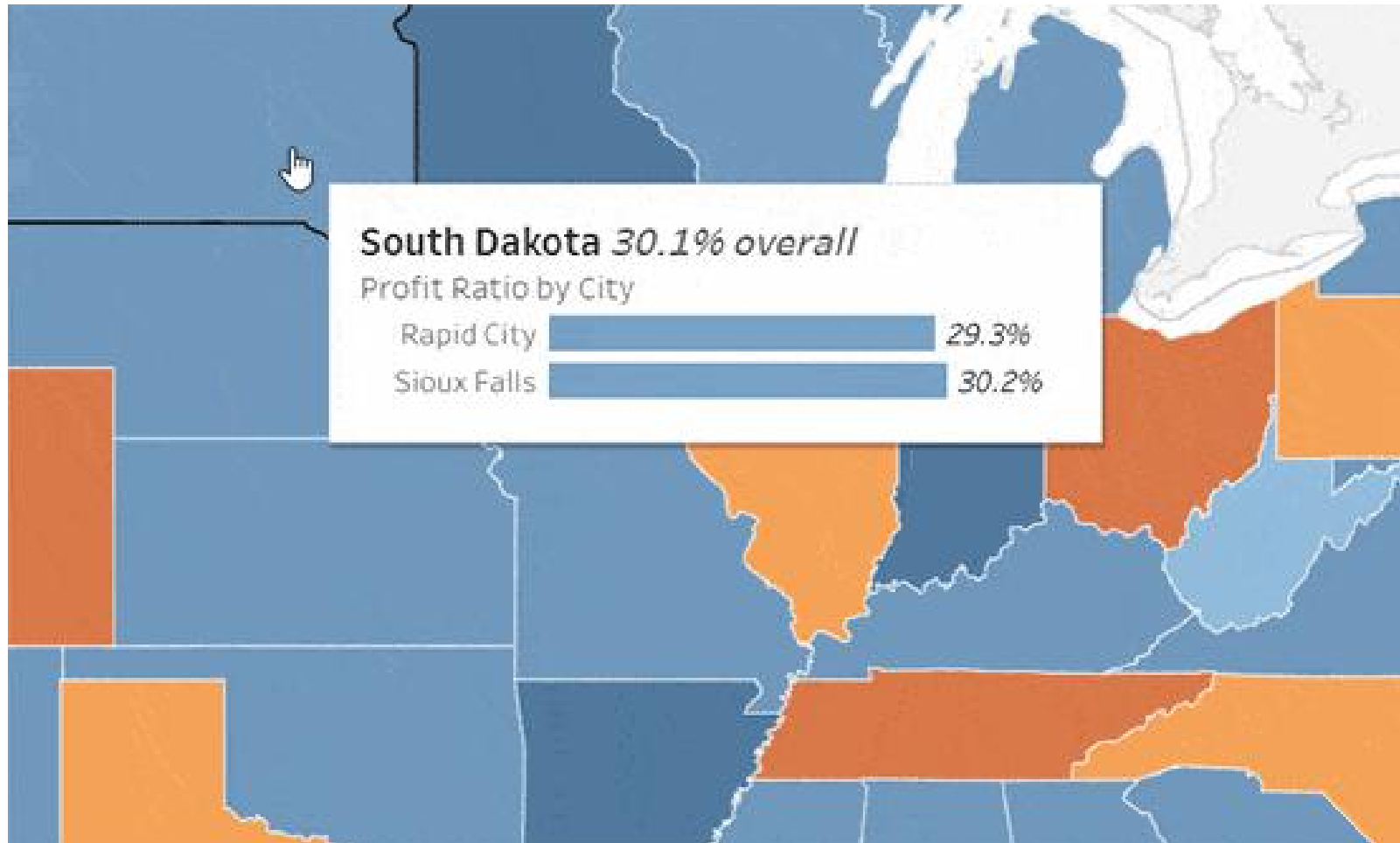
Production Centered

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Dimensionality of Visual



Dimensionality of Visual



Understanding Visual

- X
 - constant D
 - reference D
 - density
- Y
 - variable D
 - values D
 - distribution