

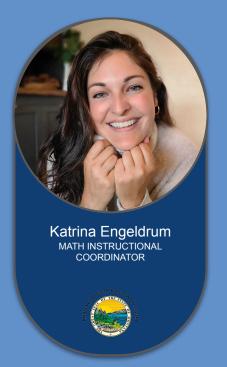
MEET YOUR HOSTS



Samantha Leav DIRECTOR OF POLICY

"DataScience







MEET TODAY'S GUEST



Aaron Reedy Co-Founder & CEO



- Former High School Science Teacher
- PhD in Biology

Founded DataClassroom to make the data tools that fit the needs of teachers and students.





What is a data visualization?

Dictionary

Definitions from Oxford Languages · Learn more



da·ta vis·u·al·i·za·tion

nour

the representation of information in the form of a chart, diagram, picture, etc.













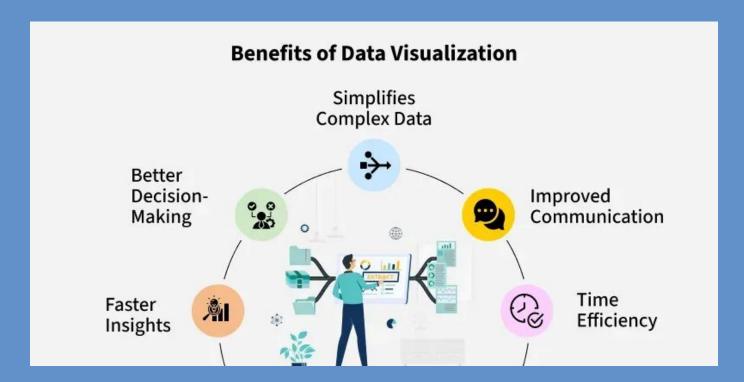








Why do we need data visualizations?

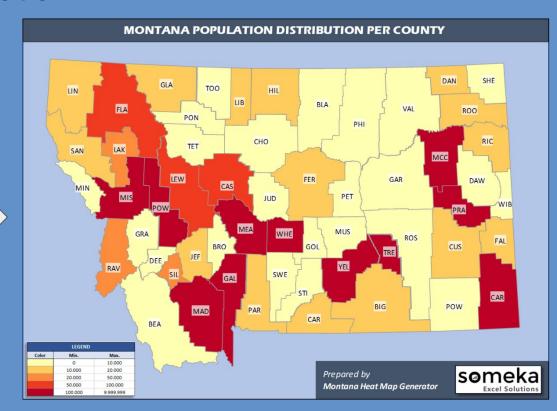


Credit: What is Data Visualization and Why is It Important? - GeeksforGeeks

What is a data visualization?

2023 Montana Population Distribution Per County

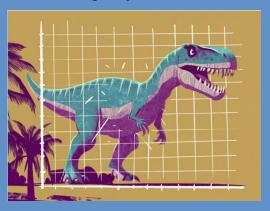
1	Yellowstone County	161,300
2	Missoula County	119,600
3	Gallatin County	114,434
4	Flathead County	103,806
5	Cascade County	81,366
6	Lewis and Clark County	69,432
7	Ravalli County	43,806
8	Silver Bow County	34,915
9	Lake County	30,458
10	Lincoln County	19,980



Creating Data Visualizations in the Classroom

Three reasons why data visualization should be a part of almost all work with data

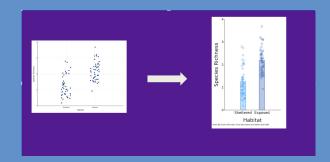
#1
A dinosaur might be hiding in your data.



#2
Graphs help you ask the right questions.



#3
Intentional graphs speak loud and clear.



Free 60-days of full teacher access to DataClassroom

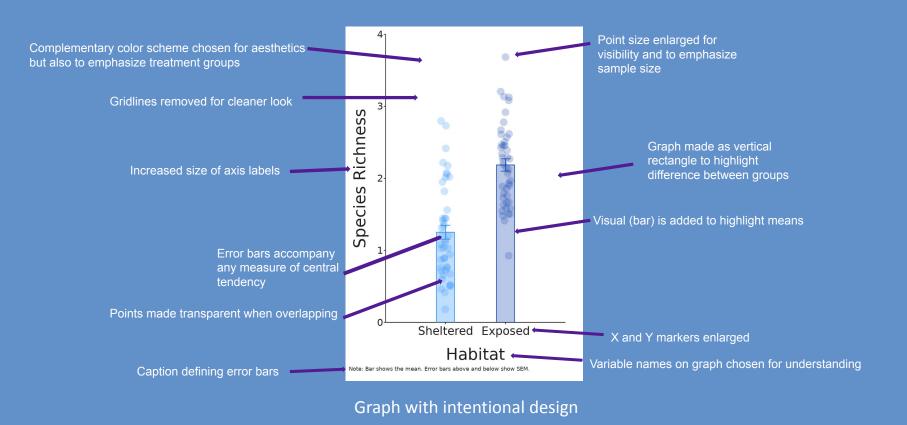


Please Reach Out: aaron@dataclassroom.com





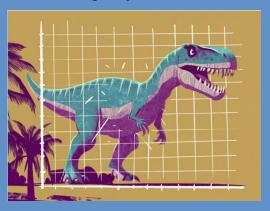
Happy graphing!



Intentional graphs speak loud and clear

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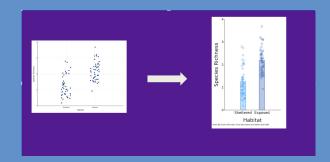
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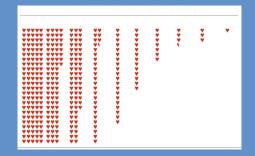
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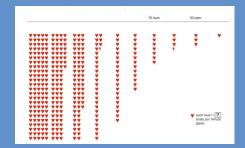
More Data Visualization

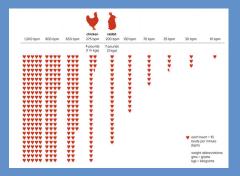
Resources

Slow Reveal Graphs

- The Slow Reveal Graph (<u>#slowrevealgraph</u>)
 is an instructional routine that promotes
 sensemaking about data.
- Graphs build, slowing revealing information
- At each stage, educators ask students what they can determine from the current information displayed... and what they're curious about.
- The Slow Reveal Graph website offers many different graphs that can be used across disciplines and grade levels



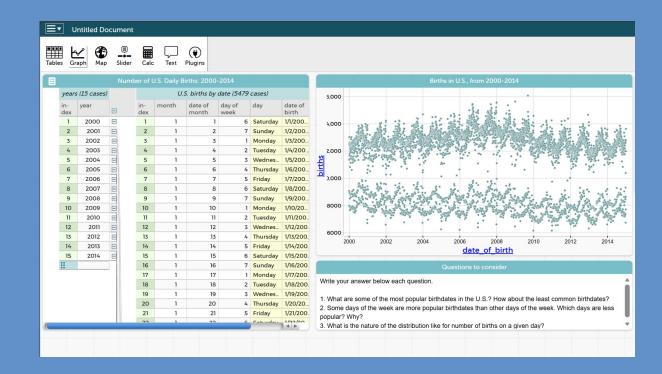




CODAP



- Social Studies:US Population Map
- Science: Roller Coasters
- Math:Birthdays



Tactile Data Visualizations

Data Physicalisation, or Fizzy Data, for short!





Data Physicalisation, or Fizzy Data, for short!





Data Portraits (Data Humanism)



Where are you from?

Pick the color that corresponds with the continent you were born in. Draw a vertical line in that color next to your age. Then pick the color that corresponds with where you live at the moment, and draw another line in that color. They may be of the same color, of course!

- Europe
- Africa
- Asia
- North America
- South America
- Oceania





Let's Breathe

More Tactile Data Visualization Ideas

- Data Sculptures
- Data Murals

- Weaving Data
 - (Hello! Loom or DIY)



Data - Visualize It!



Source: https://nightingaledvs.com/data-visualization-for-kids/



JOIN US NEXT TIME

December 2025

"Cross-Disciplinary
Projects and Real-World
Applications of Data
Science"

Complete by January 12th



Feedback and Evaluation

