How to use this slide deck

- Hidden slides are teacher notes
- Speaker notes include details on data being used in that lesson

Dear Data

A Year-Long Data Collection and
Visualization Project!

Quarter 3

Week 20

Day 1: Exploring the Data

- ✗ **Task:** On your own, review the "Classroom Environment Data". Be ready to share your observations.
- ✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** How can we visualize this data in a non-standard way?
- ✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- ✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- ✗ **Reflection:**
  - ✗ What do you notice or wonder about the visualizations?
  - ✗ What questions arise from viewing the data in different ways

Week 21

Day 1: Exploring the Data

✗ **Task:** On your own, review the "Humidity and Temperature". Be ready to share with your group.

✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non-standard way?

✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

    ✗ What do you notice or wonder about the visualizations?

    ✗ What questions arise from viewing the data in different ways

Week 22

Day 1: Exploring the Data

✗ **Task:** On the poster titled "Favorite Fast Food", place a tally underneath your favorite fast food restaurant.

✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non-standard way?

✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 23

Day 1: Exploring the Data

✗ **Task:** On the poster titled "Music Genres" place a tally underneath your favorite music genre.

✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non-standard way?

✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 24

Day 1: Exploring the Data

- ✗ **Task:** On the poster titled "Favorite Sport", place a tally mark underneath your favorite sport.
- ✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** How can we visualize this data in a non-standard way?
- ✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- ✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- ✗ **Reflection:**
  - ✗ What do you notice or wonder about the visualizations?
  - ✗ What questions arise from viewing the data in different ways

Week 25

Day 1: Exploring the Data

✗ **Task:** On your own review the data "Favorite Sports Teams". Be ready to share with your group.

✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non-standard way?

✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 26

Day 1: Exploring the Data

✗ **Task:** Using an expo marker, place an x on the furthest place from Tucson that you have visited. (Your mark does not have to be 100% perfect. If someone has placed an X on your location, put a tally mark next to the X.

✗ Review the data on your own, what do you notice? Be ready to share with your group.

✗ **Discussion:** Share your observations with your group. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non-standard way?

✗ **Activity:** Begin creating a visualization on your own based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 27

Day 1: Exploring the Data

- ✗ **Task:** If you have not already done so, think about what sort of data you can collect from home or school. You need to have at least 15 data points..
- ✗ **Discussion:** With your group discuss, what sort of data can you collect? How could you collect that data?

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** Share your preliminary data with your group (you should have a few data points). What way can you visualize your data?
- ✗ **Activity:** Continue collecting and organizing your data. If possible, begin visualizing your data.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Begin visualizing your data.

Day 5: Gallery Walk

- ✗ **Activity:** Complete your data visualization.
- ✗ **Reflection:**
  - ✗ What was difficult about collecting and visualizing your own data?
  - ✗ What is something that you learned?

Week 28

Day 1: Exploring the Data

✗ **Activity:** Each student presents their favorite data visualization project from the term.

Day 2: Continuation and Feedback

✗ **Activity:** Continue presentations if needed.
✗ **Feedback:** Provide constructive feedback and celebrate the students' work.

Day 3: Final Review Session

✗ **Activity:** Summarize key concepts learned throughout the term.