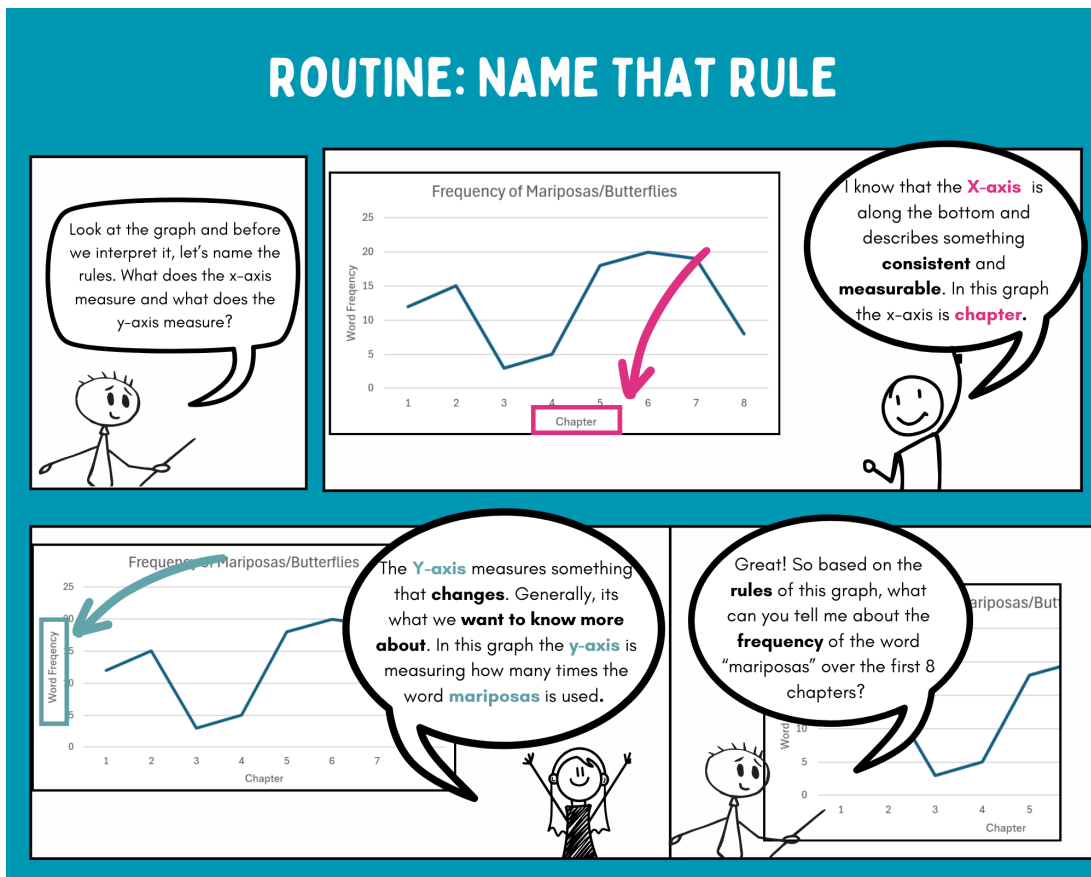


ROUTINE: NAME THAT RULE



A routine to develop rules to apply to data visualizations

PURPOSE

What is this routine for?

This routine helps students interpret data visualizations by recognizing that various visual elements convey different information about a text. In this routine, students learn rules that apply to what they see like text/objects, size, color, position, x and y-axes, and legends to help interpret what the data visualization means. This routine emphasizes that legends and axes are essential guides for reading and understanding the information in a data visualization.

QUESTIONS & PROMPTS

What can I ask students?

- What does the visualization measure?
 - If there are axes (x and y axes), what does the x axis measure? What does the y-axis measure?
- There are different colors here. Do you think they matter? If so, what do they mean?
- If I add a word and the bar is up high here in the visualization, would that mean there is a lot or a little of that word?
- How would you explain a general rule for interpreting this data visualization? How would you tell someone else how to read it?

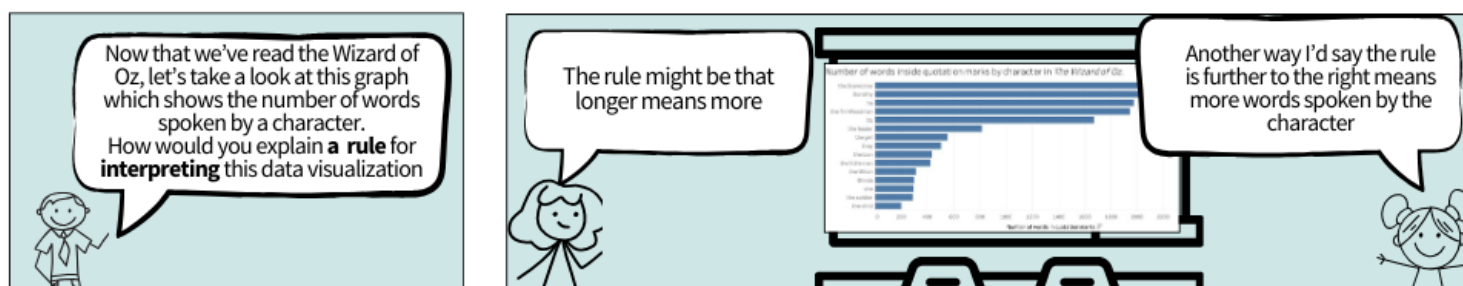
- If you were going to make a visualization like this for a different book/text, how could you represent the data to make the visualization? What rules would you follow?

APPLICATION

What types of data visualizations does this routine support?

This routine is applicable to line graphs, bar graphs, and word clouds with size or color variables. Examples include:

BAR CHART



WORD CLOUD

