1. Best Visualization for Product Line Contributions

Question:
You are creating a data visualization to demonstrate how the profits from a company's five different product lines contribute to total company revenue. Which presentation type would you use?

- ❌ Distribution
- ✅ **Composition**
- ❌ Comparison
- ❌ Relationship

Feedback:
Composition charts (like pie or stacked bar charts) are ideal for showing how parts contribute to a whole—perfect for visualizing product line contributions to total revenue.

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2. Visualizations for Numerical Data

Question:
What types of visualizations can only display numerical data?
Select two answers.

- ✅ **Relationship charts**
- ❌ Categorical charts
- ❌ Composition charts
- ✅ **Distribution charts**
- ❌ Comparison charts

Feedback:
Distribution and **relationship** charts (e.g., scatterplots, histograms) are designed to show patterns, correlations, and spread in **numerical data**.

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3. Type of Data in Line Chart

Question:
Robin is creating a line chart showing average weight changes over time. What type of data is Robin using?

- ✅ **Numerical data**
- ❌ Categorical data
- ❌ Logical data
- ❌ Relationship data

Feedback:
Numerical data is used to measure and track changes over time, such as weight, making it suitable for line charts.

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4. Why Data Type Matters in Design

Question:
How does understanding what type of data you will use in each visualization help you in the design process?

- ✅ **It helps you choose the chart type.**
- ❌ It helps you determine the number of visualizations for the dashboard.
- ❌ It helps you determine the relationship between charts.
- ❌ It helps you with the data collection process.

Feedback:
Knowing the **data type** (categorical vs. numerical) helps you select the most appropriate **chart type** to effectively communicate insights.