**Designing data visualizations**

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Question 1 Which element of design can add visual form to your data and help build the structure for your visualization?

Shape

Space

**Line**

Movement

**Correct**

Lines add visual form to your data and help build the structure for your visualization.

Question 2 Which of the following are elements for effective visuals? Select all that apply.

Refined execution

Clear goal

Clear meaning

Question 3 Fill in the blank: Design thinking is a process used to solve complex problems in a \_\_\_\_\_ way.

action-oriented

**user-centric**

step-by-step

pre-attentive

**Correct**

Design thinking is a process used to solve complex problems in a user-centric way. It enables data analysts to identify alternative strategies for visualizations.

Question 4 While creating a data visualization for your stakeholders, you realize certain colors might make it more difficult for your audience to understand the data. So, you choose colors that are more accessible. What phase of the design process does this represent?

**Empathize**

Test

Define

Prototype

**Correct**

Considering appropriate colors for a visualization is part of the empathize design phase. During the empathize phase, you consider the emotions and needs of the target audience for your data visualization.