✓ **Congratulations! You passed!**

**Grade received** 100%   **To pass** 80% or higher

**Go to next item**

## Test your knowledge on visualizing data

**Total points** 3

**1.** Fill in the blank: A data visualization is the _____ representation of information.

1 / 1 point

○ tabulated

◉ graphical

○ attributed

○ contextual

✓ **Correct**
A data visualization is the graphical representation of information.

**2.** When would a pie chart be an effective visualization?

1 / 1 point

○ When showing the relationship between age and income

○ When showing the ages of males versus females

◉ When showing a class broken down by age

○ When showing a change in someone's age over time

✓ **Correct**
A pie chart shows how a whole is broken down into parts and is an effective visualization for a class broken down by age.

**3.** What are the key benefits of data visualizations? Select all that apply.

1 / 1 point

☐ They can ensure that you get fewer questions about your analysis

☑ They can help stakeholders understand complex data more quickly

✓ **Correct**
Data visualizations can clearly demonstrate patterns and trends, help stakeholders understand complex data more quickly, and illustrate relationships between data points.

☑ They can clearly demonstrate patterns and trends

✓ **Correct**
Data visualizations can clearly demonstrate patterns and trends, help stakeholders understand complex data more quickly, and illustrate relationships between data points.

☑ They can illustrate relationships between data points

✓ **Correct**
Data visualizations can clearly demonstrate patterns and trends, help stakeholders understand complex data more quickly, and illustrate relationships between data points.