

✔ **Congratulations! You passed!**

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

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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
- ☐ attributed
- ☒ graphical
- ☐ 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 a class broken down by age
- ☐ When showing a change in someone's age over time
- ☐ When showing the ages of males versus females

✔ **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 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 ensure that you get fewer questions about your analysis

- ☒ 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.