



Knowledge Check

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1

What is the primary use of Matplotlib in data visualization?

- A. To create interactive web applications
- B. For 3D game development
- C. To create static, animated, and interactive visualizations in Python
- D. To develop desktop applications



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- A. To create interactive web applications
- B. For 3D game development
- C. To create static, animated, and interactive visualizations in Python
- D. To develop desktop applications



The correct answer is **C**

Matplotlib is a comprehensive library in Python used for creating a wide range of static, animated, and interactive visualizations.

Knowledge Check

2

What is a line plot typically used for in Matplotlib?

- A. To show the relationship between two categorical variables
- B. To display trends over continuous intervals or time
- C. For 3D surface mapping
- D. To compare categorical data



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2

What is a line plot typically used for in Matplotlib?

- A. To show the relationship between two categorical variables
- B. To display trends over continuous intervals or time
- C. For 3D surface mapping
- D. To compare categorical data



The correct answer is **B**

Line plots in Matplotlib are typically used to display trends and changes over continuous intervals or time, allowing for the observing patterns or trends in the data.

Knowledge Check

3

What is the primary advantage of using Plotly for data visualizations compared to other static plotting libraries?

- A. Plotly charts are static and cannot be manipulated.
- B. Plotly is built on top of Matplotlib.
- C. Plotly allows the creation of interactive plots that can be used in web applications.
- D. Plotly does not support 3D plotting.



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- B. Plotly is built on top of Matplotlib.
- C. Plotly allows the creation of interactive plots that can be used in web applications.
- D. Plotly does not support 3D plotting.

The correct answer is **C**

Plotly allows the creation of interactive plots that can be used in web applications.

