

Introduction to Data Visualization Tools

LATEST SUBMISSION GRADE

100%

1. Data visualizations are used to explore a given dataset and perform data analytics and build predictive models. 1 / 1 point

- ☐ True.
☒ False.

✓ **Correct**

Correct. Data visualizations are not meant to perform data analytics and build predictive models.

2. Matplotlib was created by John Hunter, an American neurobiologist, and was originally developed as an EEG/ECOG visualization tool. 1 / 1 point

- ☒ True.
☐ False.

✓ **Correct**

Correct.

3. What are the layers that make up the Matplotlib architecture? 1 / 1 point

- ☐ Figure Layer, Artist Layer, and Scripting Layer.
☐ Backend_Bases Layer, Artist Layer, Scripting Layer.
☒ Backend Layer, Artist Layer, and Scripting Layer.
☐ FigureCanvas Layer, Renderer Layer, and Artist Layer.
☐ Backend Layer, FigureCanvas Layer, Renderer Layer, Artist Layer, and Scripting Layer.

✓ **Correct**

Correct.

4. Using the inline backend, you can modify a figure after it is rendered. 1 / 1 point

- ☐ True.
☒ False.

✓ **Correct**

Correct. You cannot modify a figure after it is rendered using the inline backend.

5. `%matplotlib inline` is an example of Matplotlib magic functions. 1 / 1 point

- ☒ True.
☐ False.

✓ **Correct**

Correct. A sign of a magic function is that it starts with a `"%matplotlib"` and `inline` is a Matplotlib backend.