1. Who was the creator of Matplotlib? 1 point

- ○ Daniel Johnson, a German physicist
- ◉ John Hunter, an American neurobiologist
- ○ Cleve Moler, an American mathematician and computer programmer
- ○ James Gosling, a Canadian computer scientist

2. True or False. Using the inline backend, you cannot modify a figure after it is rendered. 1 point

- ○ False
- ◉ True

3. Which two of the following are examples of Matplotlib magic functions? 1 point

- ☐ $matplotlib outline
- ☑ %matplotlib inline
- ☐ #matplotlib inline
- ☑ %matplotlib notebook

4. What is a line plot? 1 point

- ◉ It is a plot that displays information as a series of data points connected by straight lines
- ○ A plot that displays line fragments at different data points
- ○ A line plot is used to display information on pie charts
- ○ A line plot displays information through bars on a chart

5. True or False. Matplotlibs three main layers are: Backend, Artist, and Scripting. 1 point

- ◉ True
- ○ False

6. What is Jupyter Notebook? 1 point

- ○ It is a tool used for creating conventional visualization tools using the plot function
- ◉ An open-source web application that allows you to create and share documents that contain live code, visualizations, and some explanatory text as well
- ○ A Python library with a number of different backends available
- ○ A well-established data visualization library that can be integrated into different environments

7. True or False. Matplotlib was initially developed as an EEG and ECoG visualization tool. 1 point

- (●) True
- ( ) False

8. Which of the following are the backend layers three built-in interface classes? Select three. 1 point

- [ ] Event
- [x] Canvas
- [ ] FigureCanvas
- [ ] Renderer

9. True or False: Line plots can be misleading if the scales on the axes are not carefully chosen to reflect the data accurately. 1 point

- (●) True
- ( ) False

10. Which of the following plots is ideal for comparing different categories or groups? 1 point

- (●) Bar plots
- ( ) Pie plots
- ( ) Scatter plots
- ( ) Line plots