

1. What does a scatter plot display?

1 / 1 point

- ☐ Numbers
- ☐ Graphs
- ☒ Values pertaining to typically two variables against each other.
- ☐ Data



Correct

Correct! A scatter plot displays values pertaining to typically two variables against each other. Usually, it is a dependent variable that is plotted against an independent variable to determine if any correlation between the two variables exists.

2. When plotting directly with Matplotlib, what module offers a convenient way to create and customize plots quickly?

1 / 1 point

- ☐ Numpy
- ☐ Plotly
- ☒ Pyplot
- ☐ Folium



Correct

Correct! Matplotlib is a general-purpose comprehensive plotting library. Its pyplot module offers a convenient way to create and customize plots quickly.

3. Fill in the blank. A pie chart is a circular statistical graphic, divided into \_\_\_\_\_, to illustrate numerical proportion.

1 / 1 point

- ☐ Columns
- ☐ Plots
- ☒ Segments
- ☐ Graphs



Correct

Correct! A pie chart is a circular statistical graphic, divided into segments, to illustrate numerical proportions.

4. True or False. A box plot has five primary dimensions to statistically represent the distribution of a given data?

1 / 1 point

- ☐ False
- ☒ True



Correct

Correct! A box plot is a way of statistically representing the distribution of given data through five primary dimensions. These include Minimum, First quartile, Median, Third quartile, and Maximum.

5. Area plots are like a line plot but with the area below the line filled with color to emphasize the cumulative \_\_\_\_\_ of the variables.

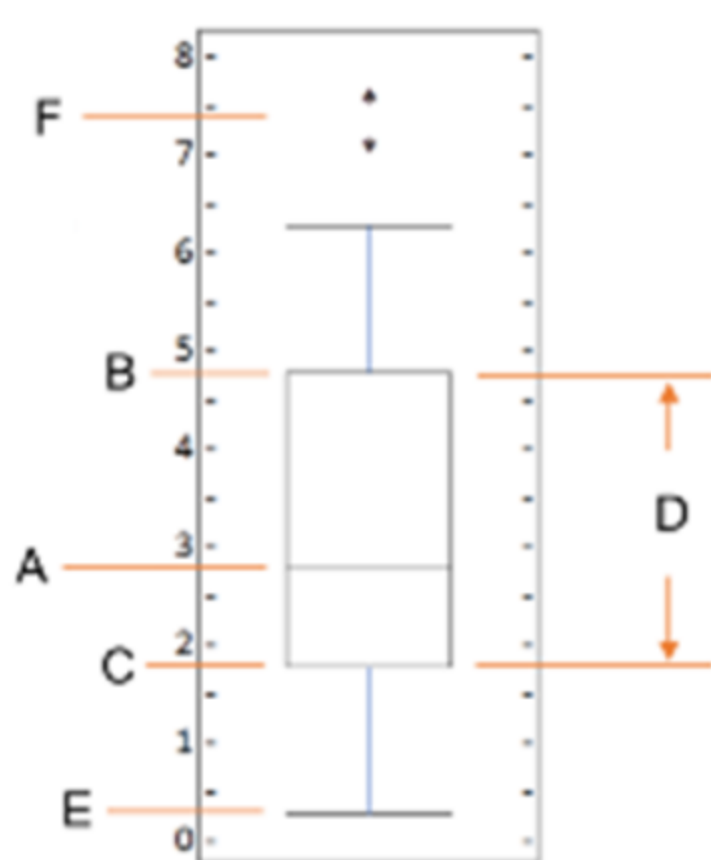
1 / 1 point

- ☐ Significance
- ☐ Longitude
- ☐ Latitude
- ☒ Magnitude



Correct

Correct! An area plot, also known as an area chart or graph, displays the magnitude and proportion of multiple variables over a continuous axis, typically representing time or another ordered dimension.



1 / 1 point

6. In the above chart, what do the letters in the box plot above represent?

- ☒ A = Median, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers
- ☐ A = Mean, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Maximum
- ☐ A = Mean, B = Upper Mean Quartile, C = Lower Mean Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers
- ☐ A = Median, B = Third Quartile, C = Mean, D = Inter Quartile Range, E = Lower Quartile, and F = Outliers



Correct

Correct! A = Mean, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers.

7. True or False. The correct combination of function and parameter to create a box plot in Matplotlib is Function = plot, and Parameter = kind with value = "box".

1 / 1 point

- ☐ False
- ☒ True



Correct

Correct! Function = plot, and Parameter = kind with value = "box" does create a box in Matplotlib.

8. True or False. The first step when creating a histogram in matplotlib is to import matplotlib as mpl and its scripting interface as plt.

1 / 1 point

- ☐ False
- ☒ True



Correct

Correct! The first step when creating a histogram in matplotlib is to import matplotlib as mpl and its scripting interface as plt.

9. The process of creating a scatter plot involves importing \_\_\_\_\_ to visualize a large set of data.

1 / 1 point

- ☐ Pyplot
- ☐ Plotly
- ☒ Matplotlib
- ☐ Figma



Correct

Correct! A scatter plot is a type of plot that displays values pertaining to typically two variables against each other. The process of creating a scatter plot involves importing Matplotlib to visualize a large set of data.

10. A \_\_\_\_ is a type of plot where the length of each bar is proportional to the value of the item that it represents.

1 / 1 point

- ☐ Line plot
- ☐ Histogram chart
- ☒ Bar chart
- ☐ Figma plot



Correct

Correct! Unlike a histogram, a bar chart, also known as a bar graph, is a type of plot where the length of each bar is proportional to the value of the item that it represents.