

Question 1

What does a scatter plot display? 1 / 1 point

Graphs

Values pertaining to typically two variables against each other.

Numbers

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.

Question 2

True or False. When plotting directly with Matplotlib, the pyplot module offers a convenient way to create and customize plots quickly. 1 / 1 point

False

True

Correct

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

3.

Question 3

Fill in the blank. A pie chart is a circular statistical graphic, divided into _____, to illustrate numerical proportion. 1 / 1 point

Segments

Graphs

Columns

Plots

Correct

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

4.

Question 4

How many primary dimensions does a box plot utilize to statistically represent the distribution of a given data? 1 / 1 point

5

1

4

3

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.

Question 5

True or False. Area plots are like a line plot but with the area below the line filled with color to emphasize the cumulative magnitude of the variables. 1 / 1 point

True

False

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.

Question 6

True or False. 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. 1 / 1 point

False

True

Correct

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

Question 7

What is the combination of function and parameter to create a box plot in Matplotlib?
1 / 1 point

Function = boxplot, and Parameter = type with value = "plot"

Function = plot, and Parameter = type with value = "box"

Function = plot, and Parameter = kind with value = "boxplot"

Function = plot, and Parameter = kind with value = "box"

Correct

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

Question 8

When creating a histogram in Matplotlib what is the first step? 0 / 1 point

Import histogram as mpl and its scripting interface as plt.

Import matplotlib as plt and its scripting interface as mpl.

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Import histogram as plt and its scripting interface as mpl.

Question 9

The process of creating a scatter plot involves importing _____ to visualize a large set of data. 0 / 1 point

Matplotlib

Plotly

Figma

Pyplot

10.

Question 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

Histogram chart

Bar chart

Line plot

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.