Question 1
What does a scatter plot display? 1 / 1 point

Graphs
<mark>Values pertaining to typically two variables against each other.</mark>
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.

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
<mark>True</mark>

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

Question 3
Fill in the blank. A pie chart is a circular statistical graphic, divided into _____, to illustrate numerical proportion. 1 / 1 point

<mark>Segments</mark>
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

<mark>5</mark>
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.
Import matplotlib as mpl and its scripting interface as plt.
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

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.