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1. A scatter plot is a type of plot that displays values pertaining to typically how many variables?

1 / 1 point

- ☒ Two
☐ One
☐ Four
☐ Three

✓ **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

- ☒ Pyplot
☐ Plotly
☐ Numpy
☐ 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

- ☐ Plots
☐ Columns
☐ Graphs
☒ Segments

✓ **Correct**

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

4. How many primary dimensions does a box plot utilize to statistically represent the distribution of a given data?

1 / 1 point

- ☐ 4
☐ 1
☒ 5
☐ 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.

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

- ☒ Magnitude
☐ Significance
☐ Latitude
☐ Longitude

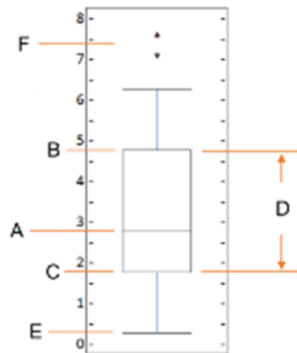


Correct

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.

6.

1 / 1 point



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

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



Correct

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

7. What is the correct combination of function and parameter to create a box plot in Matplotlib?

1 / 1 point

- ☐ Function = plot, and Parameter = type with value = "box"
- ☒ Function = plot, and Parameter = kind with value = "box"
- ☐ Function = boxplot, and Parameter = type with value = "plot"
- ☐ Function = plot, and Parameter = kind with value = "boxplot"



Correct

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

8. When creating a histogram in Matplotlib what is the first step?

1 / 1 point

- ☐ Import matplotlib as plt and its scripting interface as mpl.
- ☐ Import histogram as plt and its scripting interface as mpl.
- ☐ Import histogram as mpl and its scripting interface as plt.
- ☒ Import matplotlib as mpl and its scripting interface as plt.



Correct

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

9. What is the process of creating a scatter plot?

1 / 1 point

- ☐ The process of creating a scatter plot involves importing a dataset library.
- ☐ The process of creating a scatter plot involves importing Plotly libraries.
- ☒ The process of creating a scatter plot involves importing Matplotlib to visualize a large set of data.
- ☐ The process of creating a scatter plot involves importing datapoints to visualize a large set of data.



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

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