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1. According to the author in the video, what does Dark Horse Analytics state are the 3 best practices for creating a visual?

    ○ Less is not effective; Less is not attractive; Less is not impactive.

    ○ None of the above.

    ○ Less is more effective; Less is not attractive; Less is more impactive.

    ● Less is more effective; Less is more attractive; Less is more impactive.

    ✓ **Correct**

    1 / 1 point

2. What are the layers that make up the Matplotlib architecture?

    ○ Backend_Bases Layer, Artist Layer, Scripting Layer.

    ○ FigureCanvas Layer, Renderer Layer, and Artist Layer.

    ○ Figure Layer, Artist Layer, and Scripting Layer.

    ● Backend Layer, Artist Layer, and Scripting Layer.

    ○ Backend Layer, FigureCanvas Layer, Renderer Layer, Artist Layer, and Scripting Layer.

    ✓ **Correct**

    1 / 1 point

3. Which of the following codes uses the artist layer to create a stacked area plot of the data in the *pandas* dataframe, **area_df**?

    ○ import matplotlib.pyplot as plt area_df.plot(kind='area', figsize=(20, 10)) plt.title('Plot Title') plt.ylabel('Vertical Axis Label') plt.xlabel('Horizontal Axis Label') plt.show()

    ● ax = area_df.plot(kind='area', figsize=(20, 10)) ax.set_title('Plot Title') ax.set_ylabel('Vertical Axis Label') ax.set_xlabel('Horizontal Axis Label')

    ○ ax = area_df.plot(type='area', figsize=(20, 10)) ax.set_title('Plot Title') ax.set_ylabel('Vertical Axis Label') ax.set_xlabel('Horizontal Axis Label')

    ○ ax = area_df.plot(kind='area', figsize=(20, 10)) ax.title('Plot Title') ax.ylabel('Vertical Axis Label') ax.xlabel('Horizontal Axis Label')

    ○ import matplotlib.pyplot as plt area_df.plot(type='area', figsize=(20, 10)) plt.set_title('Plot Title') plt.set_ylabel('Vertical Axis Label') plt.set_xlabel('Horizontal Axis Label') plt.show()

    ✓ **Correct**

    1 / 1 point

4. Which of the following codes will create an unstacked area plot of the data in the *pandas* dataframe, **area_df**, with a transparency value of 0.55?

    ● transparency = 0.55 ax = area_df.plot(kind='area', alpha=transparency, stacked=False, figsize=(20, 10)) ax.set_title('Plot Title') ax.set_ylabel('Vertical Axis Label') ax.set_xlabel('Horizontal Axis Label')

    ○ import matplotlib.pyplot as plt area_df.plot(kind='area', stacked=False, figsize=(20, 10)) plt.title('Plot Title') plt.ylabel('Vertical Axis Label') plt.xlabel('Horizontal Axis Label') plt.show()

    ○ transparency = 0.35 ax = area_df.plot(kind='area', alpha=transparency, stacked=False, figsize=(20, 10)) ax.title('Plot Title') ax.ylabel('Vertical Axis Label') ax.xlabel('Horizontal Axis Label')

    ○ import matplotlib.pyplot as plt transparency = 1 - 0.55 area_df.plot(kind='area', alpha=transparency, stacked=False, figsize=(20, 10)) plt.title('Plot Title') plt.ylabel('Vertical Axis Label') plt.xlabel('Horizontal Axis Label') plt.show()

    ✓ **Correct**

    1 / 1 point

5. What is a way of statistically representing the distribution of the data through five main dimensions?

    ○ Scatter plot

    ○ Line plot

    ○ Histogram

    ● Box plot

    ✓ **Correct**

    1 / 1 point

6. A _____ is a variation of the scatter plot that displays three dimensions of data.

    ○ Scatter map

    ● Bubble plot

    ○ Bar chart

    ○ Heatmap

    ✓ **Correct**

    1 / 1 point

7. A waffle chart is what?

    ● A great way to visualize data in relation to a whole, or to highlight progress against a given threshold.

    1 / 1 point

○ A way of summarizing a set of data measured on an interval scale.

○ An image composed of words used in a particular text or subject that indicates its frequency or importance.

○ A method of identifying variables that have an impact on a topic of interest.

⊘ **Correct**

8. A word cloud is a depiction of the meaningful words in some textual data, where the more a specific word appears in the text, the _____.

1 / 1 point

⦿ The bigger and bolder it appears in the word cloud.

○ Smaller and lighter it appears in the word cloud.

○ The bigger and lighter it appears in the word cloud.

○ Smaller and bolder it appears in the word cloud.

⊘ **Correct**

9. Which of the following are tile styles of Folium maps?

1 / 1 point

⦿ All of the above

○ Stamen Terrain

○ OpenStreetMap

○ Mapbox Control Room

○ Stamen Watercolor

⊘ **Correct**

10. Stamen Terrain is the right tile style of Folium maps for visualizing and exploring river meanders and coastal zones of a given geographical area

1 / 1 point

○ True.

⦿ False.

⊘ **Correct**

11. Plotly is an interactive, open-source plotting library that supports over 40 unique chart types, including statistical, financial, maps, scientific, and 3-dimensional.

1 / 1 point

⦿ True

○ False

⊘ **Correct**

12. Dash components are

1 / 1 point

○ Core

○ HTML

○ CSS

⦿ Both a and b

○ a only

⊘ **Correct**