1.	Which best practice should you follow to ensure effective data visualization?	1 point
	Use multiple colors and fonts to make the visualization more vibrant.	
	Label the axes clearly, provide context, and use only necessary data and labels.	
	Avoid legends and titles to keep the visualization uncluttered.	
	O Include all available data to provide a comprehensive view, regardless of relevance.	
2.	What are the layers of the Matplotlib architecture?	1 point
	Event, Artist Layer, Scripting Layer	
	Renderer, Artist Layer, and Scripting Layer	
	FigureCanvas Layer, Scripting Layer, and Artist Layer	
	Backend Layer, Artist Layer, and Scripting Layer	
3.	Which plot library is an excellent choice for geospatial data visualization and helps to create interactive and customizable maps?	1 point
	○ Seaborn	
	Folium	
	○ PyWaffle	
	O Matplotlib	
4.	Using Matplotlib magic functions which code starts the command?	1 point
	○ \$matplotlib outline	
	%matplotlib inline	
	%matplotlib jupyter-notebook	
	○ %matplotlib	
5.	Area plots are particularly effective in depicting data of what nature?	1 point
	O Population demographics	
	O Numerical data	
	○ Metadata	
	Continuous dataset	

6.	What is a way of statistically representing the distribution of the data through five main dimensions?	1 point
	O Histogram	
	O Line plot	
	Box plot	
	O Scatter plot	
7.	Which dimension of the box plot signifies the smallest number in the sorted data?	1 point
	O First quartile	
	Minimum	
	O Median	
	O Third quartile	
8,	Identify the use case for a Word Cloud.	1 point
	O Market share analysis	
	Content analysis	
	O Project progress tracking	
	O Demographic representation	
9.	Which specialized plot type in Seaborn is useful for data and modeling relationships? [Select two]	1 point
	☑ Categorical plot	
	☐ Pie plot	
	☐ Barplot	
	Regression plot	
10.	Folium is a powerful data visualization library in Python that primarily helps people visualize geospatial data.  What is its default map style?	1 point
	O Stamen terrain	
	O Stamen toner	
	O Street-level map	
	Open street map	

11. What specific type of map does a Choropleth map represent?	1 point
O Open street map	
O Stamen toner	
TO THE CONTRACTOR OF T	
Thematic	
O Stamen terrain	
12. Which tool is the Python framework for building web analytic applications?	1 point
Dash	
O Streamlit	
O Voilà	
O Panel	
13. What is the recommended starting point for creating figures in Plotly?	1 point
O Plotly Library	
O Plotly Graph Objects	
Plotly Express	
O Plotly Dash	
14. What does the @app.callback decorator tell Dash when used in a Callback function?	1 point
<ul> <li>It tells that the function is automatically called by Dash whenever an input component's property changes.</li> </ul>	
It tells you to provide the title to the dash app.	
It tells output component children in the application layout.	
It tells you to connect the input and output components to the desired properties.	
15. What is a callback function?	1 point
O A line of code	
O An extension	
A decorator	