	/ Chapter 5: Storytelling with Data / Chapter 5 Quiz
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BigData\$ Io	I
Started on T	uesday, 6 June 2023, 2:52 PM
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Completed on T	ruesday, 6 June 2023, 3:58 PM
	2.00/36.00
	8.89 out of 100.00
Question 1	
Incorrect	
Mark 0.00 out of 2.00	
Which term is used to o	describe the process of discovery that may lead to the creation of a hypothesis?
Select one:	
exploratory analys	sis
deductive reasoni	ng
inductive reasonir	ng
explanatory analy	
CAPICITATION CITALITY	50
Refer to curriculum top	ic: 5.1.2 the part of the data analysis lifecycle in which a hypothesis about the data is created.
The correct answer is:	
The defrect answer is.	supplication of the state of th
Question 2	
Correct	
Mark 2.00 out of 2.00	
For preparing a presen	tation to a targeted audience, why is the "when" of the audience important to consider?
Select one:	
The information m	nay be time sensitive.
The presentation	may be shared with others.
The motivation of	the participants may need to be determined.
Some participants	s may be online and some attending in person.
Refer to curriculum top	ic: 5.1.1
	y requires knowledge about the who, where, and when of the audience. The "when" is an important consideration with tin
sensitive information.	

Question 3		
Correct		
Mark 2.00 out of 2.00		
True or False?		
A drawback to Plotly is that files cannot be exported.		
Select one:		
true		
( ) false		
Refer to curriculum topic: 5.2.2		
The correct answer is: false		
Question 4		
Correct		
Mark 2.00 out of 2.00		
What is the business value of data?		
what is the pusiness value of data?		
Select one:		
It has no value to the departments within an organization.		
It has equal value to all departments within the organization.		
It has different value to different departments within the organization.		
It has equal value to all organizations.		
Refer to curriculum topic: 5.1.1  Data has different business value and means different things to different departments in an organization.		
The correct answer is: It has different value to different departments within the organization.		
The contest around is. It has amorent value to amorent departments within the organization.		
Question 5		
Correct		
Mark 2.00 out of 2.00		
What is the purpose of Pyplot?		
Select one:		
to add plotting capabilities to Microsoft Word		
to analyze variables separately as scatter plots and as pie charts		
oto create and customize a plot using a collection of style functions		
to analyze a scatter plot using a specific statistical algorithm that shows trends		
O 11 11 17 1 11 11 11 11 11 11 11 11 11 1		
Refer to curriculum topic: 5.2.1		
Pyplot is a matplotlib extension that includes a collection of style functions used to create and customize a plot.		

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Carred Mark 2.00 aut of 2.00  When you are preparing to give a presentation, which question would be important to ask yourself in order to understand where the audience is located?  Select one:  What is the technical knowledge of the participants?  Will the presentation be shared?  Are there any security considerations?  Will the presentation be delivered virtually?  Refer to curriculum topic: 5.1.1  Effectively telling a story requires knowing where the audience or listener is. This means knowing the physical environment of the listener or if the story is to be delivered online or in person.  The correct answer is: Will the presentation be delivered virtually?  Question 7  Correct  In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  True or False? In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  True or False; In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.  Select one:  In the story telling step of data analysis, plenty of time should be spent on explaining the entire data-analysis process.			
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Question 8 Correct			
Correct			
Correct			
Mark 2.00 out of 2.00			
What is a characteristic of the explanatory analysis process?			
Select one:			
produces summaries of data			
tells a story about the data			
makes valid statements about a proposition			
uses statements of truth to arrive at a conclusion			
Refer to curriculum topic: 5.1.2			
Telling a story to persuade an audience through presentation of evidence is the process of explanatory analysis.  The correct answer is: tells a story about the data			

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orrect  ark 2.00 out of 2.00  Which term is used to describe the process of making inf					
Which term is used to describe the process of making inf					
	rerences about a population based on attributes of a sample?				
Select one:					
deductive reasoning					
inductive reasoning	<b>✓</b>				
explanatory analysis					
exploratory analysis					
Refer to curriculum topic: 5.1.2 is not always possible to study an entire population, the whole population.	erefore a sample is studied. By using inductive reasoning, inferences can be made about the				
he correct answer is: inductive reasoning					
uestion 10					
Correct  Multiple 20 and 10 Co.					
while preparing a presentation, which question would be select one:  Will the presentation be recorded?	important in understanding "who" is the audience?				
While preparing a presentation, which question would be select one:	important in understanding "who" is the audience?				
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presented to support a conclusion in explantory analysis  $\,\rightarrow\,$  evidence

Question 12			
Correct			
Mark 2.00 out of 2.00			
What is the purpose of Plotly?			
Select one:			
to allow the online creation of data visualizations			
to add plotting capabilities to Microsoft Excel			
to analyze variables stored on a Jupyter notebook			
to analyze a scatter plot using a specific statistical algorithm that shows trends			
to analyze a seatter plot using a specific statistical algorithm that shows trends			
Refer to curriculum topic: 5.2.2			
Plotly is an online tool used to generate data visualizations.			
The correct answer is: to allow the online creation of data visualizations			
Question 13			
Correct			
Mark 2.00 out of 2.00			
Which type of chart displays comparisons of values of specific data points in a horizontal position?			
Select one:			
( ) line			
○ bar			
pie			
scatter			
Difference of the state 500			
Refer to curriculum topic: 5.2.3  Determining the appropriate chart to use to display data depends on the number of variables, data points, and other factors. Bar charts are good for			
displaying specific data points so they can be compared across categories.			
The correct answer is: bar			
Question 14			
Incorrect			
Mark 0.00 out of 2.00			
True or False?			
A user created a custom style sheet to be used with Pyplot and saved the file in the user home directory. When the style sheet is being referenced in code, the path information for the location of the file must be specified.			
code, the path information for the focation of the file must be specified.			
Select one:			
Select one:  true			
true     ∫ false     ★			

Question 15					
Correct					
Mark 2.00 out of 2.00					
Match the type of question to the example.					
Where is the audience?	Is the audience online or in-person?				
Who is the audience?	What is the motivation of the listener?	<b>~</b>			
When is the audience?	Is recording of the presentation allowed?	<b>~</b>			
Refer to curriculum topic: 5.1.1  The correct answer is: Where is the audience? → Is the audience online or in-person?, Who is the audience? → What is the motivation of the listener?, When is the audience? → Is recording of the presentation allowed?					
Question <b>16</b> Correct Mark 2.00 out of 2.00					
In the story telling step of data analysis, how much time should be spent on explaining the data?  Select one:  enough to walk the audience through the entire data analysis process  all of the alloted time  none, the data itself should not be part of the story  enough to explain the point  Refer to curriculum topic: 5.1.1  In the story telling step, spend only as much time on the data as necessary to explain the point.  The correct answer is: enough to explain the point					
Question 17 Correct Mark 2.00 out of 2.00					
Which application should be used to create a Pyplot customized style sheet (CSS)?  Select one:  Microsoft Excel  Microsoft Visio  Plotly					
text editor	F 2.1	<b>✓</b>			
Refer to curriculum topic: 5.2.1  A text editor is used to add a line for each element in the plot you want to customize. If using a Jupyter notebook, use the Linux terminal to create or edit a text file.					

The correct answer is: text editor

Question 18	
Correct	
Mark 2.00 out of 2.00	
Which type of chart is useful for identifying clustering and outliers in data?	
Select one:	
o scatter plot	<b>~</b>
o bar	
line	
pie	
Refer to curriculum topic: 5.2.3 Scatter plot charts are useful for visualizing correlations between data sets and identify	ing outliers in the data
The correct answer is: scatter plot	ing outliers in the data.
■ Chapter 5 Terms and Concepts Practice	
Jump to	
	Read Chapter 6: Architecture for Big Data and Data
	Engineering >

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