Congratulations! You passed!

O infinite

A Boolean data type can have two possible values.

Grade received 91% To pass 80% or higher

Go to next item

The following questions are designed to help you assess your comfort level with general data analytics principles and data types. Use them to self-reflect and make your own decisions about the foundational knowledge you need to be successful in this course. 1. What is data science? 1/1 point O A process used to solve complex problems in a user-centric way A tool for organizing data elements and how they relate to one another O The collection, transformation, and organization of data in order to draw conclusions, make predictions, and drive informed decision-making A field of study that uses raw data to create new ways of modeling and understanding the unknown Data science is a field of study that uses raw data to create new ways of modeling and understanding the 2. What is the key difference between qualitative and quantitative data? 0 / 1 point Qualitative data is about the quality of a product or service; quantitative data is about how much of that product or service is available in the marketplace. O Qualitative data describes the kind of data being analyzed; quantitative data describes how much data is being analyzed. Qualitative data measures qualities and characteristics; quantitative data measures numerical facts. Qualitative data is subjective; quantitative data is specific. Qualitative data measures qualities and characteristics; quantitative data measures numerical facts. To learn about qualitative and quantitative data, enroll in the Google Data Analytics Certificate. 3. Which of the following statements accurately describe wide and long data? Select all that apply. 1/1 point ☐ Wide data subjects can have multiple rows that hold the values of subject attributes. ☐ Long data subjects can have data in multiple columns. ☑ Wide data subjects can have data in multiple columns. Wide data subjects can have data in multiple columns. Long data subjects can have multiple rows that hold the values of subject attributes. Long data subjects can have multiple rows that hold the values of subject attributes. Wide data subjects can have data in multiple columns. Long data subjects can have multiple rows that hold the values of subject attributes. 4. Structured data is likely to be found in which of the following formats? Select all that apply. 0.5 / 1 point ✓ Audio file (X) This should not be selected Structured data is organized in a certain format such as rows and columns. It is likely to be found in a table or spreadsheet. To learn about structured data, enroll in the Google Data Analytics Certificate. ✓ Spreadsheet Structured data is organized in a certain format such as rows and columns. It is likely to be found in a table or spreadsheet. To learn about structured data, enroll in the Google Data Analytics Certificate. Database table Structured data is organized in a certain format such as rows and columns. It is likely to be found in a table or spreadsheet. To learn about structured data, review course three of the Google Data Analytics Digital photo Structured data is organized in a certain format such as rows and columns. It is likely to be found in a table or spreadsheet. To learn about structured data, enroll in the Google Data Analytics Certificate. 5. Fill in the blank: A Boolean data type can have _____ possible value(s). 1/1 point O three two

The following questions are designed to help you assess your comfort level with data strategy. Use them to self-reflect and make your own decisions about the foundational knowledge you need to be successful in this course.

	What is the term for the individuals who have invested time and resources in a project and are interested in its outcome?	1 / 1 point
	Subject-matter experts	
	Executives	
(O Project sponsors	
(Stakeholders	
	© Correct Stakeholders are individuals who have invested time and resources in a project and are interested in its outcome.	
7.	When collecting data for a study, what are some reasons to consider sample size? Select all that apply.	1/1 point
	To eliminate certain segments of a population	
	▼ To collect data that represents a diverse set of perspectives	
	 Correct Considering sample size ensures the data represents a diverse set of perspectives and helps avoid skewed results or inaccurate judgements. 	
-	✓ To make sure a few unusual responses don't skew results	
	 Correct Considering sample size ensures the data represents a diverse set of perspectives and helps avoid skewed results or inaccurate judgements. 	
ı	To include as many participants as possible in the study	
	The SMART methodology can be used to ask a question that promotes change. What type of SMART question leads to change?	1 / 1 point
(Results-focused Action-oriented	
(○ Motivational	
(Transformational	
	○ Correct A SMART question that promotes change is action-oriented.	
	A Shiriki i question and promoces entinge is section or eneed.	
	Which of the following inquiries are leading questions? Select all that apply.	0.75 / 1 point
	☐ How did you learn about our company? ✓ In what ways did our product meet your needs?	
	(C) Correct	
	Leading questions include: How satisfied were you with our customer representative? In what ways did our product meet your needs? And what do you enjoy most about our service? Leading questions direct the respondent to a particular answer, often because they suggest the answer within the question.	
	✓ What do you enjoy most about our service?	
	② Correct Leading questions include: How satisfied were you with our customer representative? In what ways did our product meet your needs? And what do you enjoy most about our service? Leading questions direct the respondent to a particular answer, often because they suggest the answer within the question.	
	How satisfied were you with our customer representative?	
	You didn't select all the correct answers	
10.	What are the key characteristics of a metric? Select all that apply.	1/1 point
	✓ Metrics can be used to evaluate performance.	_,_,_
	 Correct Metrics are quantifiable data types used for measurement and performance evaluation. 	
	Metrics are unorganized collections of facts.	
	✓ Metrics are used for measurement.	
	Correct Metrics are quantifiable data types used for measurement and performance evaluation.	
ĺ	Metrics are quantifiable.	
	 Correct Metrics are quantifiable data types used for measurement and performance evaluation. 	

self-reflect and make your own decisions about the foundational knowledge you need to be successful in this course.

L. Which type of bias is the tendency to construe ambiguous situations in a positive or negative way?	1 / 1 point
Interpretation bias	
Observer bias	
O Confirmation bias	
O Cultural bias	
⊙ Correct	
Interpretation bias is the tendency to construe ambiguous situations in a positive or negative way.	
2. Before completing a survey, an individual acknowledges reading information about how and why the data they	
provide will be used. What concept does this describe?	1/1 point
○ Transaction transparency	
Consent	
O Privacy	
Openness	
○ Correct	
This concept is called consent. Consent is the aspect of data ethics that presumes an individual's right to	
know how and why their personal data will be used before agreeing to provide it.	
3. Which spreadsheet tool changes how cells appear when values meet a specific condition?	1/1 point
	, , ,
Alternating colors Conditional formatting	
O Protected ranges	
O Data validation	
Correct Conditional formatting is the spreadsheet tool that changes how cells appear when values meet a specific	
condition.	
4. Fill in the blank: In a spreadsheet, the SPLIT function divides a text string around a, then puts each fragment	1/1 point
into a new, separate cell.	1/1 point
Oindicator	
Substring	
O mark	
o delimiter	
○ Correct	
In a spreadsheet, the SPLIT function divides a text string around a delimiter, then puts each fragment into	
a new, separate cell.	
The following questions are designed to help you assess your comfort level with programming languages. Use them reflect and make your own decisions about the foundational knowledge you need to be successful in this course.	to self-
5. Fill in the blank: A programming language is a system of words and symbols used to for computers.	1/1 point
write instructions	
orepair infrastructure	
install hardware	
O detect malware	
Correct A programming language is a system of words and symbols used to write instructions for computers.	
A programming language is a system or words and symbols used to write instructions for computers.	
5. What are the main benefits of using a programming language to work with data? Select all that apply.	1/1 point
✓ Easily reproduce and share work	
Correct There are three main benefits of using a programming language to work with data: Easily reproduce and	
There are three main benefits of using a programming language to work with data: Easily reproduce and	
There are three main benefits of using a programming language to work with data: Easily reproduce and share work, save time, and clarify the steps of analysis.	
There are three main benefits of using a programming language to work with data: Easily reproduce and share work, save time, and clarify the steps of analysis. Automate decision-making Save time	
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0		
_	Syntax	
\sim	Standard	
\cup	Script	
0	Symbol	
(v	Orrect In order for code to work properly, it's necessary to follow the syntax of the coding language. This includes all required words and symbols, as well as their proper placement.	
	t is the term for programming code that is freely available and may be modified and shared by the people use it?	1/1 point
\cap	Non-dependant	
_		
_	Open-source	
_	One-access	
O	Common-design	
0	Open-source code is freely available and may be modified and shared by the people who use it.	
Data	professionals use programming languages to enable which of the following? Select all that apply.	1/1 point
~	Data visualization	
@	Ocrrect Data professionals use programming languages to enable data transformation, cleaning, and visualization.	
	Data transformation	
~	Data transformation	
Q	Orrect Data professionals use programming languages to enable data transformation, cleaning, and visualization.	
~	Predictive modeling	
	Correct Data professionals use programming languages to enable data transformation, cleaning, visualization, and predictive modeling.	
~	Data cleaning	
0	Correct Data professionals use programming languages to enable data transformation, cleaning, and	
	visualization.	
insigl		
insigl succe	visualization. ollowing questions are designed to help you assess your comfort level with data visualization, dashboards, and ts with others. Use them to self-reflect and make your own decisions about the foundational knowledge you n	
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Wha	visualization. ollowing questions are designed to help you assess your comfort level with data visualization, dashboards, and its with others. Use them to self-reflect and make your own decisions about the foundational knowledge you n ssful in this course. It type of data visualization should be used to demonstrate how often data values fall into certain ranges? Correlation chart	eed to be
Wha	visualization. bllowing questions are designed to help you assess your comfort level with data visualization, dashboards, and its with others. Use them to self-reflect and make your own decisions about the foundational knowledge you nesful in this course. It type of data visualization should be used to demonstrate how often data values fall into certain ranges? Correlation chart Bar chart	eed to be
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What O O O	visualization. billowing questions are designed to help you assess your comfort level with data visualization, dashboards, and its with others. Use them to self-reflect and make your own decisions about the foundational knowledge you need to the found	1/1 point
What A day wou	visualization. billowing questions are designed to help you assess your comfort level with data visualization, dashboards, and its with others. Use them to self-reflect and make your own decisions about the foundational knowledge you need to the foundational knowledge you need to the foundational knowledge you need to demonstrate how often data values fall into certain ranges? Correlation chart Bar chart Histogram Tree map Correct To demonstrate how often data values fall into certain ranges, use a histogram. shboard is designed to share insights about the housing market in a city. What type of data visualization lid be most effective at demonstrating how the city's annual home sales have risen over time? Area chart	1/1 point
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What A data would be a considered to the conside	visualization. billowing questions are designed to help you assess your comfort level with data visualization, dashboards, and its with others. Use them to self-reflect and make your own decisions about the foundational knowledge you need to the found	1/1 point
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What A day would be a work of the control of the co	visualization. collowing questions are designed to help you assess your comfort level with data visualization, dashboards, and the with others. Use them to self-reflect and make your own decisions about the foundational knowledge you need to the saful in this course. It type of data visualization should be used to demonstrate how often data values fall into certain ranges? Correlation chart Bar chart Histogram Tree map Correct To demonstrate how often data values fall into certain ranges, use a histogram. shboard is designed to share insights about the housing market in a city. What type of data visualization lid be most effective at demonstrating how the city's annual home sales have risen over time? Area chart Scatter plot Line chart Pie chart Correct To demonstrate how the city's annual home sales have risen over time, a line chart would be most effective.	1/1 point
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O Customized

Dynamic	
() Correct Dynamic visualizations enable the data in a presentation to automatically update and change over time.	
3. Why is it more effective to label a data visualization instead of using a legend? Select all that apply.	0.75 / 1 point
☑ Labels allow for text explanations to be placed directly on the visualization.	
Correct It is more effective to label a data visualization instead of using a legend for several reasons: Labels can be placed near the data, they make the data visualization more accessible, and they allow for text explanations to be placed directly on the visualization.	
Labels help keep people's attention on relevant data by redirecting their focus away from outliers.	
☑ Labels can be placed near the data, whereas legends are typically positioned away from the data.	
Correct It is more effective to label a data visualization instead of using a legend for several reasons: Labels can be placed near the data, they make the data visualization more accessible, and they allow for text explanations to be placed directly on the visualization.	
Labels make the data visualization more accessible because they don't rely on the ability to interpret color.	
You didn't select all the correct answers	
Causation Polarity Divergence Correct When two variables in a visualization rise and fall at the same time, this is an example of correlation.	
Correlation is the measure of the degree to which two variables change in relationship to each other. 5. Which of the following are appropriate uses for filters in data visualization tools? Select all that apply.	0.75 / 1 point
Highlighting individual data points	
Correct Filters can be used to highlight individual data points, limit the number of rows or columns in view, and provide data to different users based on their needs.	
☑ Limiting the number of rows or columns in view	
Correct Filters can be used to highlight individual data points, limit the number of rows or columns in view, and provide data to different users based on their needs.	
Providing data to different users based on their particular needs Hiding outliers that do not support the hypothesis	
_	