Data Types and Visualization

Practice Quiz • 27 min • 9 total points

1.	What is the characteristic feature of numerical data?						
	Ability to sort/order the data						
	Ability to categorize data						
	Ability to perform arithmetic operations on the data						
	Ability to uniquely identify da	ata points					
	Correct This is the unique character	ristic of numerical data.					
2.				there were 40 customers in shop A and 75 customers in shop B. The average nate average sales in Ahmedabad?	1 / 1 point		
	Rs 88.48						
	O Rs 85						
	O Rs 95						
	O Rs 90						
	Correct Yes, the correct answer is 4	$\frac{10 \times 95 + 75 \times 85}{40 + 75}$.					
3.	Lion Burgers has two shops in the average sales in shop A were Rs 9			, there were 40 customers in shop A and 75 customers in shop B. The median sales in Ahmedabad?	1 / 1 point		
	O Rs 90						
	O Rs 88.48						
	O Rs 95						
	Insufficient data for the problem	lem					
	Correct You don't have sufficient in	formation to answer this probl	em because there might be	very different values for sales in shops A and B.			
4.	The table below lists four paramet	ters of students: name, school,	score, and parents' educat	ion level.	1/1 point		
	Name	School	Score	Parents' education level			
	Azhagan	ABC	54	High School			
	Brad	ABC	64	College			
	Cheran	XYZ	81	Doctoral			
	Dinesh	ABC	70	College			
	Ezhil	XYZ	76	Doctoral			
	Falguni	XYZ	83	High School			
	Greg	ABC	55	High School			

Statement 1: The standard deviation of the scores of students in school XYZ is greater than the standard deviation of the scores of students in school ABC.

Statement 2: If data A has greater dispersion than data B, then data A has a larger standard deviation than data B.

Which of the following is true?

	Statement 1: The standard devia	tion of the scores of students i	n school XYZ is greater than	the standard deviation of the scores of students in school ABC.				
	Statement 2: If data A has greate	r dispersion than data B, then	data A has a larger standarc	d deviation than data B.				
	Which of the following is true?							
	O Statement A is true; stateme	nt B is true; statement A is the	correct explanation of state	ment B.				
Statement A is true; statement B is false. Statement A is true; statement B is true; statement A is not the correct explanation of statement B.								
	Statement A is false; stateme	tatement b.						
	⊘ Correct		s in XYZ are less dispersed a	and hence have a lesser standard deviation.				
5.	The table below lists four parame	eters of students: name, school	l, score, and parents' educa	tion level.	1/1 point			
	Name	School	Score	Parents' education level				
	Azhagan	ABC	54	High School				
	Brad	ABC	64	College				
	Cheran	XYZ	81	Doctoral				
	Dinesh	ABC	70	College				
	Ezhil	XYZ	76	Doctoral				
	Falguni	XYZ	83	High School				
	Greg	ABC	55	High School				
	⊙ Correct							
о.	The table below lists four parame				1/1 point			
	Name	School	Score	Parents' education level				
	Azhagan	ABC	54	High School				
	Brad	ABC	64	College				
	Cheran	XYZ	81	Doctoral				
	Dinesh	ABC	70	College				
	Ezhil	XYZ	76	Doctoral Ligh School				
	Falguni	XYZ ABC	83	High School				
	Greg	ABC	55	High School				
	What is the difference between th	e average scores of the studen	ts attending XYZ and the stu	udents attending ABC (approximately)?				
	0 0							
	19.5							
	20.5							
	O 20.5							
	20.5	80 and 60.75.						
	○ 20.5 ○ 69 ○ Correct	80 and 60.75.						
	○ 20.5 ○ 69 ○ Correct	90 and 60.75.						
	○ 20.5 ○ 69 ○ Correct	80 and 60.75.						

 $\textbf{7.} \quad \text{The table below lists four parameters of students: name, school, score, and parents' education level.}$

1 1	4	naint
1/	1	point

Name	School	Score	Parents' education level
Azhagan	ABC	54	High School
Brad	ABC	64	College
Cheran	XYZ	81	Doctoral
Dinesh	ABC	70	College
Ezhil	XYZ	76	Doctoral
Falguni	XYZ	83	High School
Greg	ABC	55	High School

Which of the following columns is an example of an ordinal data type?

⊘ Correct

VV	hich of the following columns is an example of an ordinal data type?
•	Parents' education level
\subset) Score
\subset) School
\subset) Name

8. The table below lists four parameters of students: name, school, score, and parents' education level.

This can be usefully categorized and sorted as High school < College < Doctoral.

	/ 1	

Name	School	Score	Parents' education level	
Azhagan	ABC	54	High School	
Brad	ABC	64	College	
Cheran	XYZ	81	Doctoral	
Dinesh	ABC	70	College	
Ezhil	XYZ	76	Doctoral	
Falguni	XYZ	83	High School	
Greg	ABC	55	High School	

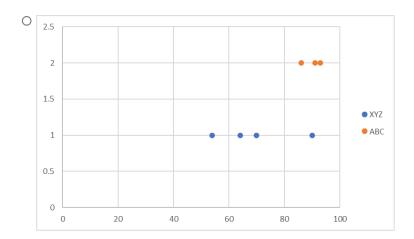
Which of the following columns is an example of a nominal data type?	
O Parents' education level	
○ Score	
○ School	
Name	
 correct This is purely for information, potentially for unique identification. 	

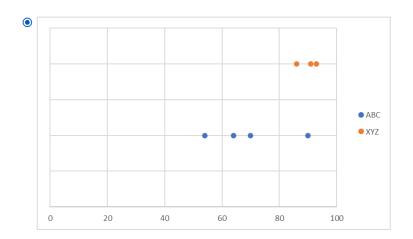
9. The table below lists four parameters of students: name, school, score, and parents' education level.

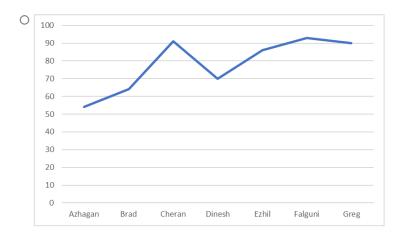
1/1 point

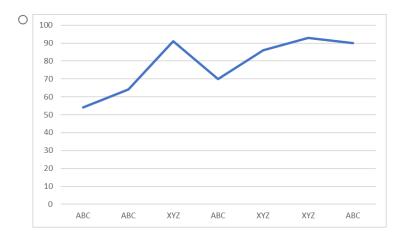
Name	School	Score	Parents' education level	
Azhagan	ABC	54	High School	
Brad	ABC	64	College	
Cheran	XYZ	81	Doctoral	
Dinesh	ABC	70	College	
Ezhil	XYZ	76	Doctoral	
Falguni	XYZ	83	High School	
Greg	ABC	55	High School	

Which of the following options is the correct and most useful representation indicating the differences in performances of the students in different schools?









Correct
 This graph clearly shows the distinction between the distribution of scores of students in both schools, indicating the variability in scores.