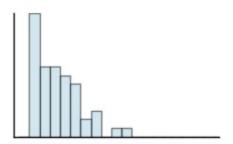
STA2023 MDC Kendall Campus

1) Determine which of the following describes quantitative data.i). the name of a chemical sample							
ii). the mass of a ch	emical sample						
iii). the color of a cl	•						
A) ii only	B) i only	C) i and ii only	D) i, ii, and iii				
2) The amount of time needed to run the Boston marathon is an example of which type of variable?							
A) temporal	B) qualitative	C) discrete	D) continuous				
3) Determine which of the following describes qualitative data.							
	shipping container, ir	•		3)			
ii). the name of the material from which the container is made iii). the shape of the container							
A) i and iii only	B) i, ii, and iii	C) i and ii only	D) ii and iii only				
A) I and in only	b) 1, 11, and 111	C) I and II only	D) if and iff only				
4) Determine which of the following describes qualitative data.							
i). the make of the	ear with license plate	number VNS-862					
ii). the license plate	number VNS-862						
iii). the number of	vehicles whose licens	se plate number begins w	ith "VNS"				
A) i only	A) i only B) neither i, nor iii						
C) i and ii only	C) i and ii only						
5) Which one of the follow	wing data are discrete	e?		5)			
A) the latitude and lo	ngitude of a boat at s	ea					
B) the latitude and longitude of the boat's port of departure							
c) the speed of the bo	* *	*					
D) the number of crev	w members on the bo	oat					
6) Which one of the following data are continuous?							
A) the rankings of the trees, from most numerous to least numerous							
B) the number of repr	resentatives of each s	pecies in the park					
c) the number of spec	cies of trees in a park						
D) the average height	of a sample of trees						
7) When rolling two six-sided dice, your total roll ranges from 2 (double ones) to 12							
(double sixes). Characterize the nature of the roll total.							
A) qualitative and continuous B) qualitative and discrete							
C) quantitative and continuous D) quantitative and discrete							

8) For the class 6-17, the	he class boundaries are	·		8)
A) 5.5 and 17.5	B) 6 and 17	c) 6.5 and 16.5	D) 5 and 18	
9) What is the midpoin	nt of the class 7-11?			9)
A) 5	в) 9	c) 4	D) 9.5	
·	· · · · · · · · · · · · · · · · · · ·	ng 25 scores. Construct a	grouped frequency	10)
distribution with the	class limits shown belo	ow.		
67 89 75 54 6	54			
53 83 69 68 9)2			
87 84 43 80 8	38			
76 83 76 98 5	55			
73 80 41 85 9				
· ·	_			
Class Limits	Frequency			
41-50				
51-60				
61-70				
71-80				
81-90				
91-100				
A)		B)		
Class Limits	Frequency	Class Limits	Frequency	
41-50	2	41-50	3	
51-60	3	51-60	2	
61-70	4	61-70	4	
71-80	6	71-80	7	
81-90	7	81-90	6	
91-100	3	91-100	3	
11) State the reason why	y the following frequenc	cy distribution is incorrec	etly constructed	11)
Class	Frequency		ing communica.	,
48-53	2			
54-59	0			
60.65	6			

34-37	U			
60-65	6			
66-72	4			
73-78	3			
A) there is no pe	rcent column	B) a class has been omitted		
c) class limits or	verlap	D) class width is not uniform		

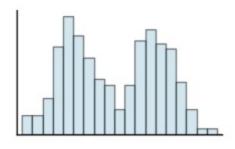
12) Classify the histogram as skewed to the left, skewed to the right, or approximately symmetric.



- A) approximately symmetric
- B) skewed to the right
- C) skewed to the left

13) Classify the histogram as unimodal or bimodal.





A) unimodal

B) bimodal

14) The scores on a recent statistics exam are shown below. Construct a stem and leaf plot for the data.

15) What is the mean of the following data set?

A)
$$8.0$$

16) What is the median of the following set of values?

15)

17)	Find the	median f	or the	followii	ng data	set:			17)	
	21 23		19							
	A) 19			в) 17.2	2		c) 13	D) 4.9		
•	Find the			_					18)	
	22 32 A) 24	2 14	34	¥ 26 В) 20	5 2	2	c) 22	D) 25.0		
	What is the midrange of the following data set? 7, 13, 12, 14, 6, 14, 20, 20, 20						19)	_		
	A) 7			B) 13			c) 14	D) 20		
-	The data		_	ts in fee	et of 14	roller c	oasters. Find	the mean, median, midrange,	20)	_
	95	110	59	133	100	119	154			
	100	114	91	154	95	59	84			
	A) mean = 104.8 median = 100 midrange = 106.5 mode = 59, 95, 100, and 154						B) mean = median = midrang mode =			
-	1) The grades for the trigonometry exam are listed below. Find the range. 85, 76, 93, 82, 84, 90, 75						the range.	21)	_	
	A) 18	<i>75</i> , 62,	, 01,	B) 9	,		c) 11	D) 76		
22) Find the sample standard deviation for the following data set:							22)	_		
	28	12 30	16	22						
	A) 7.7			B) 6.9			C) 58.8	D) 47.0		
23) A population has a mean $\mu = 53$ and standard deviation $\sigma = 14$. Find the <i>z</i> -score for a population value of 29.						23)	_			
	A) -24			B) -1.7	1		C) -0.6	D) 2.1		
	Alleghen	y County	is 8, 3	89, 6, 12	-			sample of 9 schools in r lower quartile and Q3 or	24)	
upper quartile for the data. A) $Q_1 = 4.5$; $Q_3 = 27.5$							B) $Q_1 = 6;$			

Answer Key

Testname: REVIEW_01

- 1) A 2) D 3) D 4) C 5) D 6) D 7) D 8) A

- 9) B
- 10) A
- 11) D 12) B
- 13) B
- 14) A
- 15) C
- 16) C
- 17) A 18) C 19) B
- 20) A
- 21) A
- 22) A
- 23) B
- 24) A