D) voluntary response samples

C) cluster samples

Answer: D

Diff: 1 Type: MC

7) Which one of the following data are disc	crete?	7)
A) the pre-season ranking of Duke University's men's basketball team		
B) the average preseason ranking of the	e University of Connecticut's women's	
basketball team over the past 10 year	ars	
c) the average height of players on the	University of Connecticut's women's basketball	
team	•	
D) the height of the tallest player on Di	uke University's men's basketball team	
Answer: A	·	
Diff: 1 Type: MC		
8) A middle school student passes out leafle	ets to the adults at a school function. The leaflets	8)
•	believe in anthropogenic global warming. The	·,
	ompleted leaflet should be returned to the	
student. Identify the kind of sample that		
A) systematic sample	B) sample of convenience	
C) stratified sample	D) cluster sample	
Answer: B	,	
Diff: 1 Type: MC		
9) Determine which of the following descri	has quantitativa data	0)
i). the length of an object in feet	bes quantitative data.	9)
ii). the speed of an object in meters p	par sacond	
iii). the number of objects that are blue		
A) i only B) i, ii, and iii		
, ,	C) I and II only	
Answer: B Diff: 1 Type: MC		
Ziii. 1 Typo: iiie		
10) By visiting homes door-to-door, a munic	ipality surveys all the households in 149	10)
randomly-selected neighborhoods to see	how residents feel about a proposed property	
tax increase. Identify the type of sample	that is being used.	
A) systematic sample	B) stratified sample	
C) voluntary response sample	D) cluster sample	
Answer: D		
Diff: 1 Type: MC		
11) In a survey of 1000 teenagers, 23% of the	em said they use tobacco products. Is this an	11)
example of statistic or a parameter?	•	·
A) Statistic	B) Parameter	
Answer: A		
Diff: 0 Type: BI		

12) You ask your friends who they plan to vote for in the next congressional election. Based on their responses, you conclude that the candidate you favor cannot lose!			12)	
This is most likely an ex A) randomized sampli C) voluntary response Answer: B	ng	B) sampling bias D) self-interest bias		
Diff: 1 Type: MC 13) Determine which of the i). the make of the caii). the license plate	ar with license plate	•		13)
iii). the number of vo A) i and ii only C) iii only Answer: A Diff: 1 Type: MC	ehicles whose licens	se plate number begins wi B) neither i, nor ii, n D) i only		
 14) Determine which of the i). the volume of a sl ii). the name of the r iii). the shape of the A) ii and iii only Answer: A Diff: 1 Type: MC 	hipping container, in material from which	-	D) i and iii only	14)
 15) Which one of the following data are continuous? A) the rankings of the trees, from most numerous to least numerous B) the number of species of trees in a park C) the average height of a sample of trees D) the number of representatives of each species in the park Answer: C Diff: 1 Type: MC 			15)	
16) In a randomized experint treatment groups, we can	-		s among the	16)
A) experimental error C) the treatments Answer: C Diff: 1 Type: MC	·	B) deliberate data ma D) random luck	anipulation	

(7) An experiment that	tends to overestimate of	underestimate the true	value is said to be	17)
A) randomized C) flagrant		B) un-randomized D) biased		
Answer: D Diff: 1 Type: BI				
18) Choose the answer b	pelow that best complete	es the following stateme	nt.	18)
A i	s a number that describe	es a sample.		
A) parameter	B) population	C) statistic	D) measurement	
Answer: C Diff: 1 Type: MC				
19) Which one of the fo	_			19)
•	imes the file has been of			
•	ning for an MP3 music on musicians performing in musicians performing in musicians performing in musicians and musicians are musicians and musicians are musicians and musicians are mus			
•	resent continuous data	- 1		
Answer: B Diff: 1 Type: MC				
20) Determine which of	the following describes	ordinal data.		20)
•	s are Georgia, Amithab			
•	umbers are 2, 7 and 13.			
A) ii only	B) i only	C) both i and ii	D) neither i nor ii	
Answer: D Diff: 1 Type: MC				
21) Determine which of				21)
		lay, Saturday, and Tuesd		
11. My favorite di third-favorite	·	, my second-favorite is S	Saturday, and	
A) neither i nor ii	B) i only	C) ii only	D) both i and ii	
Answer: B	2,	3 ,	2, 0 0 000 0 000 00	
Diff: 1 Type: MC				
22) Which of the follow	ing is the best description	on of a randomized expe	eriment?	22)
•		are assigned randomly t		
•	-	tal units are selected at r		
C) an experiment	in which the investigate	ors are chosen at random		
D) an experiment	in which the outcomes a	are random		
Answer: A				
Diff: 1 Type: MC				

23) Determine which of the following describes nominal data.			23)		
i. Michaelangelo's sells small, medium, large, and jumbo pizzas.					
	•	nost-requested top	ppings are pepperoni, black	olives, and	
mushro					
A) ne	ither i nor ii	B) i only	c) both i and ii	D) ii only	
Answer: Diff: 1	D Type: MC				
24) Which	one of the follow	ing data are discr	rete?		24)
•		· ·	's port of departure		·
B) the	e speed of the boa	at's propeller, in r	evolutions per minute		
c) the	e latitude and lon	gitude of a boat a	t sea		
D) the	e number of crew	members on the	boat		
Answer:					
Diff: 1	Type: MC				
25) People	are reluctant to a	dmit to behavior t	that may reflect negatively	on them. This can	25)
lead to					
A) so	cial acceptability	bias	B) hurt feelings		
C) vo	luntary response	bias	D) sampling bias		
Answer: Diff: 1	A Type: MC				
26) Which	of the following i	s the best descrip	otion of a double-blind expe	eriment?	26)
•	_	•	are blindfolded so they can		
•	atment is applied	•	·		
-	B) an experiment in which both the investigators and the subjects are hidden from the				
	ners' views	hich naithar tha is	nvestigators nor the subject	e know how the	
•	atments have bee		ivestigators not the subject	s know now the	
D) an experiment in which neither the investigators nor the subjects know the others'					
na	mes				
Answer:					
Diff: 1	Type: MC				
27) An elec	tronics manufact	urer test every 50	th cell phone to verify that	it is functioning	27)
-		nd of sample that	•		
A) cluster sample B) simple random sample					
C) systematic sample D) stratified sample					
	Answer: C				
Diff: 1 Type: MC					

28) When rolling two six-sided dice, your total roll ranges from 2 (double ones) to 12		
(double sixes). Characterize the nature of the		
A) quantitative and continuous	B) quantitative and discrete	
C) qualitative and continuous	D) qualitative and discrete	
Answer: B Diff: 1 Type: MC		
29) In a small town, 84% of the residents, aged 1 example of statistic or a parameter?	6 or more years old, own a car. Is this an	29)
A) Statistic	B) Parameter	
Answer: B Diff: 0 Type: BI		
30) Of the televisions offered at an electronics sto example of statistic or a parameter?	ore, 42% cost less than \$500.00. Is this an	30)
A) Statistic	B) Parameter	
Answer: B	b) I didifferen	
Diff: 0 Type: BI		
31) In an experiment, subjects are put into two ca		31)
subject is randomly assigned a treatment. Th	-	
A) confounding	B) randomized blocking	
C) observational studies	D) gender bias	
Answer: B Diff: 1 Type: MC		
32) In an experiment, the is wh	nat is measured on each experimental unit.	32)
A) treatment B) outcome	C) category D) subject	
Answer: B		
Diff: 1 Type: BI		
33) The question		33)
"Do you favor a higher standard of living	, even though it produces unclean air and	
water?"	,,	
is an example of		
A) leading question bias	B) framing	
C) sampling bias	D) random sampling	
Answer: A		
Diff: 1 Type: MC		

34) Determine which of t	he following describe	es ordinal data.		34)
i. In the horse rac	e, Betty's Girl won, N	Mr. Ed placed, and Wabash	showed.	<u></u>
ii. In the horse rac	ce, I bet on Betty's Gi	irl to win, Mr. Ed to place,	and Wabash to	
show.				
A) both i and ii	B) i only	C) neither i nor ii	D) ii only	
Answer: A Diff: 1 Type: MC				
freshest produce in th		of their customers believe t pe of bias involved.	them to have the	35)
A) Self-interestC) Voluntary respo	nse	B) Social acceptabilityD) Leading question	•	
Answer: A Diff: 0 Type: BI				
36) A radio talk show inv		and state whether or not the	ey think that sexual	36)
A) Sampling	ik place is a common	B) Self-interest		
c) Social acceptabi	lity	D) Voluntary respon	se	
Answer: D	iity	b) Voluntary respon		
Diff: 0 Type: BI				
37) A small brew pub ser	nt out questionnaires	to a simple random sample	of 250 customers	37)
,	-	ry to include an imperial sto		
•		ere returned and 10 of thos	_	
including the stout. S	•			
A) Self-interest	poorly use type or our	B) Sampling		
c) Nonresponse		D) Voluntary respon	se	
Answer: C		b) voluntary respon		
Diff: 0 Type: BI				
38) Determine which of t	he following describe	es quantitative data.		38)
i). the name of a	_	1		
ii). the mass of a	•			
iii). the color of a	•			
A) i only	B) ii only	C) i and ii only	D) i, ii, and iii	
Answer: B	•	•		
Diff: 1 Type: MC				
-		to determine whether an ex	xperimental	39)
outcome is due to the	applied treatment.			
A) confounder		B) uncooperative su	bject	
C) error		D) perplexer		
Answer: A Diff: 1 Type: BI				

Answer Key Testname: CH1

1)	A Diff: 0 Topic:	Page Ref:
2)	C Diff: 1 Topic:	Page Ref:
3)	B Diff: 1 Topic:	Page Ref:
4)	D Diff: 1 Topic:	Page Ref:
5)	A Diff: 1 Topic:	Page Ref:
6)	D Diff: 1 Topic:	Page Ref:
7)	A Diff: 1 Topic:	Page Ref:
8)	B Diff: 1 Topic:	Page Ref:
9)	B Diff: 1 Topic:	Page Ref:
10)	D Diff: 1 Topic:	Page Ref:
11)	A Diff: 0 Topic:	Page Ref:
12)		Page Ref:
13)	A Diff: 1 Topic:	Page Ref:
14)	A Diff: 1 Topic:	Page Ref:
15)	C Diff: 1 Topic:	Page Ref:
16)	C Diff: 1 Topic:	Page Ref:

Answer Key Testname: CH1

17)	D Diff: 1 Topic:	Page Ref:
18)	C Diff: 1 Topic:	Page Ref:
19)		Page Ref:
20)		Page Ref:
21)	•	Page Ref:
22)	•	Page Ref:
23)		Page Ref:
24)	D Diff: 1	Page Ref:
25)	Diff: 1	Page Ref:
26)	Topic: C Diff: 1	Page Ref:
27)	Topic: C Diff: 1	Page Ref:
28)	Topic:	
29)	Topic: B	Page Ref:
30)	Diff: 0 Topic: B	Page Ref:
31)	Diff: 0 Topic:	Page Ref:
32)	Diff: 1 Topic:	Page Ref:
JZ)	Diff: 1 Topic:	Page Ref:

Answer Key Testname: CH1

33)	A Diff: 1 Topic:	Page Ref:
34)	A Diff: 1 Topic:	Page Ref:
35)	A Diff: 0 Topic:	Page Ref:
36)	D Diff: 0 Topic:	Page Ref:
37)	C Diff: 0 Topic:	Page Ref:
38)	B Diff: 1 Topic:	Page Ref:
39)	A Diff: 1 Topic:	Page Ref: