Quiz 1 Math 110: Chapter 1

Name Ivan Loung	
MULTIPLE CHOICE. Choose the one alternative that bes	st completes the statement or answers the question.
1) Which of the following sample types should	l you always regard as unreliable?
A) simple random samples	B) cluster samples
C) stratified samples	D) voluntary response samples
2) A pollster randomly samples 159 Democrat	s, 151 Republicans and 16 Independents (all registered
voters) in Metro City and asks each poll par Identify the kind of sample that the pollster	ticipant which mayorial candidate he or she prefers. is using.
A) cluster sample	B) sample of convenience
(C) stratified sample	D) voluntary response sample
recipient to indicate whether they believe in leaflet indicates that the completed leaflet sl sample that is being used.	to the adults at a school function. The leaflets ask the anthropogenic global warming. The bottom of the hould be returned to the student. Identify the kind of
(A) sample of convenience	B) stratified sample
C) cluster sample	D) systematic sample
neighborhoods to see how residents feel aboresample that is being used.	lity surveys all the households in 89 randomly-selected out a proposed property tax increase. Identify the type of
A) stratified sample	B) cluster sample
Identify the kind of sample that is being use	
A) stratified sample	B) simple random sample
C) systematic sample	D) cluster sample
,	r's class are written on identical slips of paper, and the the professor selects 5 random slips from the jar.
A) systematic sample	B) simple random sample
C) cluster sample	D) sample of convenience
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7) Determine which of the	e following describes qua	ntitative data.	
i). the name of a ch	nemical sample		
ii). the mass of a ch	•		
iii). the color of a c	-		
A) i, ii, and iii	B) i and ii only	©)ii only	D) i only
8) Determine which of the	e following describes qua	litative data.	
i). the make of the	car with license plate nun	nber VNS-862	
ii). the license plate	number VNS-862		
iii). the number of v	vehicles whose license pla	ate number begins with "V	NS"
A) neither i, nor ii, no	or iii	(B))i and ii only	
C) i only		D) iii only	
9) Determine which of the	e following describes non	ninal data.	
i. My favorite days	of the week are Friday, S	Saturday, and Tuesday.	
ii. My favorite day third-favorite is T		second-favorite is Saturda	y, and
A) neither i nor ii	B)i only	C) ii only	D) both i and ii
	Betty's Girl won, Mr. Ed	inal data. placed, and Wabash show vin, Mr. Ed to place, and V C) neither i nor ii	
B) the height of the ta	of players on the Univer allest player on Duke Uni king of Duke University'	sity of Connecticut's womeversity's men's basketball seam ersity of Connecticut's won	team
B) the number of rep	e trees, from most numeror resentatives of each speci cies of trees in a park	ous to least numerous	
13) When experimental un	its are people, they are so	metimes called	·
A) human units	B) topics	C) personnel	(D) subjects
		is measured on each exper	imental unit.
A) subject	B) category	(C) outcome	D) treatment

(A) an experiment in which neither the investigato have been assigned	-	
B) an experiment in which neither the investigator C) an experiment in which both the investigators views	•	
D) an experiment in which the subjects are blindf applied to them	olded so they cannot se	e which treatment is
16) Which of the following is the best description of a solution A) an experiment in which the investigators are contained as a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of a solution of the following is the best description of the following is the f	-	??
B) an experiment in which the treatments are assi C) an experiment in which the experimental units D) an experiment in which the outcomes are rand	are selected at random	
17) A(n) makes it difficult to determ the applied treatment.	nine whether an experin	mental outcome is due to
A) perplexer C) uncooperative subject	B) counfounder D) error	
18) An experiment that tends to overestimate or undere	estimate the true value is	s said to be
A) biased B) un-randomized	C) randomized	D) flagrant
19) People are reluctant to admit to behavior that may rA) hurt feelingsC) sampling bias	eflect negatively on the B) voluntary responsible (D) social acceptability	se bias
20) The question "Do you favor a higher standard of living, even is an example of	though it produces unc	lean air and water?"
A) leading question bias C) random sampling	B) framing D) sampling bias	
21) You ask your friends who they plan to vote for in the responses, you conclude that the candidate you favor	-	lection. Based on their
This is most likely an example of A) randomized sampling C) self-interest bias	B) voluntary responsi	se bias