Exam			
Name			
MULTIPLE CHOICE.	Choose the one alternative t	hat best completes the statement or answers the question	1.
1) Which of the	4 methods of data collection gnated locations on the Los A ation nentation A) B)	is involved when a person counts the number of cars	1)
	C) D)		
TABLE 1-1			
_		ajor consumer electronics company is interested in determ recorder made by the company over the past 12 months are	_
made by oth A) an ordi	Table 1-1, the possible respor er manufacturers have you u nal scale variable. nal scale variable.	sees to the question "How many videocassette recorders sed?" result in B) a ratio scale variable. D) an interval scale variable.	2)
Answer: B Explanation:		By an interval scale variable.	
	y. Which of the 4 methods of	a questionnaire instrument that can be answered data collection is involved when people complete the	3)
A) survey C) experir	ing	B) observationD) published sources	
Answer: A Explanation:	A) B) C) D)		

The manager of the customer service division of a major consumer electronics company is interested in determining whether the customers who have purchased a videocassette recorder made by the company over the past 12 months are satisfied with their products.

		uestion "What is your annual income rounded	4)	
	housands?" result in	D) on andical and a section		
	al scale variable.	B) an ordinal scale variable.		
•	ale variable.	D) an interval scale variable.		
Answer: C				
Explanation:	A)			
	B)			
	C)			
	D)			
5) Peferring to Ta	able 1-1, the population of interest is		5)	
_		ette recorder made by the company and	J)	
	it in for repair over the past 12 months			
_		ocassette recorder made by the company.		
	stomers who have bought a videocass	ette recorder made by the company over the		
•	istomers who have used a videocassett	e recorder over the past 12 months		
Answer: C	storriers write riave asca a viacobassett	e resorted over the past 12 months.		
Explanation:	A)			
Explanation.	B)			
	C)			
	D)			
	_,			
_		uestion "How many videocassette recorders	6)	
•	manufacturers have you used?" are va			
•	us random variable.	B) discrete random variable.		
C) paramete	er.	D) categorical random variable.		
Answer: B				
Explanation:	A)			
	B)			
	C)			
	D)			
7) The chancellar	of a major university was concerned a	hout alcohol abuse on her compus and	7)	
		bout alcohol abuse on her campus and university who visited campus bars on the	7)	
		ook a random sample of 250 students. The		
		s bars on the weekend before the final exam		
week is an exa		s bars of the weekend before the final exam		
	ious random variable.	B) a parameter.		
· ·	e random variable.	D) a categorical random variable.		
Answer: A		,		
Explanation:	A)			
Explanation.	B)			
	C)			

D)

8) The process of	using sample statistics to draw conc	lusions about true population parameters is	8)
called A) the scien C) statistica Answer: C Explanation:	atific method. Il inference. A) B) C) D)	B) descriptive statistics. D) sampling.	
TABLE 1-1			
_	-	umer electronics company is interested in determ made by the company over the past 12 months are	_
videocassette A) continuo	able 1-1, the possible responses to the recorder every week on the average? ous numerical random variable. cal random variable. A) B) C) D)	e question "How much time do you use the " are values from a B) discrete numerical random variable. D) parameter.	9)
household?" a	able 1-1, the possible responses to the re values from a ous numerical random variable.	e question "How many people are there in your B) categorical random variable. D) discrete numerical random variable.	10)
butter to a san	C) D) esearch firm, in conducting a compar nple of households randomly selected is involved when people are asked to d sources	rative taste test, provided three types of peanut d within the state. Which of the 4 methods of to compare the three types of peanut butter? B) surveying D) observation	11)

the number of researcher. A) the aver B) the age o C) the num	Calendula College wishes to est nester at Calendula. To do so, h funits each student earned in the age indebtedness of Calendula of Calendula College students of ber of students enrolled at Cale	timate the number of units earned by students during the randomly selects 100 student transcripts and records the spring term. Identify the variable of interest to the College students enrolled in the spring term. Identify the spring term.	12)
Answer: D Explanation:	A) B) C) D)		
TABLE 1-1			
_		or consumer electronics company is interested in determi order made by the company over the past 12 months are	_
their products.			
13) Referring to T	•	s to the question "What brand of videocassette recorder	13)
13) Referring to T did you purch A) an interv	ase?" result in val scale variable.	s to the question "What brand of videocassette recorder B) a ratio scale variable. D) a nominal scale variable.	13)
13) Referring to T did you purch A) an interv	ase?" result in	B) a ratio scale variable.	13)

The manager of the customer service division of a major consumer electronics company is interested in determining whether the customers who have purchased a videocassette recorder made by the company over the past 12 months are satisfied with their products.

. •	·	question "What is your annual income rounded	15)
	housands?" are values from a	D) parameter	
. •	al random variable. numerical random variable.	B) parameter.D) continuous numerical random variable.	
Answer: C	Tamerisar random variable.	D, continuous numerican analism variable.	
Explanation:	A)		
•	B)		
	C)		
	D)		
16) Which of the fo	ollowing is a discrete quantitative va	riable?	16)
•	ne of water released from a dam	Tidolo.	
	oer of employees of an insurance con	npany	
	nce you drove yesterday.		
D) the Dow	Jones Industrial Average		
Answer: B			
Explanation:	A)		
	B) C)		
	D)		
	,		
	ollowing is most likely a parameter a		17)
	ortion of trucks stopped yesterday th		
	nge score of the first five students cor prtion of females registered to vote in		
· · · · · · · · · · · · · · · · · · ·	ige height of people randomly selected		
Answer: C	gg pp		
Explanation:	A)		
•	B)		
	C)		
	D)		
18) The estimation	of the population average family ex	penditure on food based on the sample average	18)
	f 1,000 families is an example of	periantare of rood based of the sumple average	
A) a parame		B) descriptive statistics.	
C) a statistic	.	D) inferential statistics.	
Answer: D			
Explanation:	A)		
	B)		
	C)		
	D)		

trees. Specifica greater than 60 study involves analyzing the r A) the 250 ra B) all the ad C) all Ameri	Illy, the study is attempting to feet tall. It is estimated that collecting heights from 250 results. Identify the sample in andomly selected adult Amelult American pine trees talle ican pine trees, of any age, in 0 adult American pine trees i	rican pine trees or than 60 feet on the forest	ing heights ines. The
	D)		
TABLE 1-1			
_	-	jor consumer electronics company is interest corder made by the company over the past	
being the higher recorder that y A) continuou C) discrete r Answer: C	•		ssette
Explanation:	A) B) C) D)		
		under consideration is called	21)
A) a parame	eter. B) a sample.	C) a statistic. D) a p	oopulation.
Answer: D Explanation:	A) B) C) D)		
22) A summary me	easure that is computed to de	escribe a characteristic of an entire populati	on is called 22)
A) a statistic		B) a parameter.	,
C) the scient	tific method.	D) a census.	
Answer: B Explanation:	A) B) C) D)		

captured avera	23) Jared was working on a project to look at global warming and accessed an Internet site where he captured average global surface temperatures from 1866. Which of the four methods of data collection was he using?		23)
A) experime	_	B) published sources	
C) surveyin		D) observation	
Answer: B Explanation:	A) B) C) D)		
TABLE 1-1			
_	-	ner electronics company is interested in determin de by the company over the past 12 months are s	_
24) Referring to Ta in	able 1-1, the possible responses to the q	uestion "In which year were you born?" result	24)
	al scale variable.	B) an interval scale variable.	
C) an ordina	al scale variable.	D) a ratio scale variable.	
Answer: B			
Explanation:	A) B) C) D)		
	and summarization of the socioeconom a particular firm is an example of	nic and physical characteristics of the	25)
A) a statistic		B) a parameter.	
C) descripti	ve statistics.	D) inferential statistics.	
Answer: C Explanation:	A) B) C) D)		
he wanted to u (inflation-adju	ise the Consumer Price Index to determ	uss a raise in his annual salary. In preparation, nine the percentage increase in his real /hich of the 4 methods of data collection was	26)
A) experime		B) surveying	
C) observati		D) published sources	
Answer: D			
Explanation:	A) B) C) D)		

trees. Specification greater than 60 study involves analyzing the A) the species B) the age of C) the number D) the height	lly, the study is attempting to determine the forest tall. It is estimated that the forest	lational Forest e National Forest	27)
Answer: D Explanation:	A) B) C) D)		
in a parking lo	t each 30 minutes of a 24-hour period	e is taking a survey of the number of students with the goal of determining when patrols of other of students in the lot each period of time,	28)
then X is an ex A) a categor		B) a statistic. D) a continuous random variable.	
Explanation:	A) B) C) D)		
TABLE 1-1			
_	-	mer electronics company is interested in determi ade by the company over the past 12 months are	-
29) Referring to Ta household?" re	The state of the s	question "How many people are there in your	29)
A) an ordina	al scale variable. Il scale variable.	B) an interval scale variable.D) a ratio scale variable.	
Answer: D Explanation:	A) B) C) D)		
unhappy with	the performance per dollar spent on thus numerical random variable.	question "Are you happy, indifferent, or he videocassette recorder?" are values from a B) discrete numerical random variable. D) categorical random variable.	30)
Answer: D Explanation:	A) B) C) D)		

incidentals, su wishes to estin the textbook co semester. Iden A) the age o B) the cost o C) the year	ch as textbook costs, are rarely consi nate the textbook costs of first-year s	University students tudents	31)
Answer: D Explanation:	A) B) C) D)		
TABLE 1-1			
_	-	umer electronics company is interested in determin made by the company over the past 12 months are	_
•		e question "How would you rate the quality of od, 3 = decent, 4 = poor, 5 = terrible?" are values	32)
	us numerical random variable. er.	B) categorical random variable. D) discrete numerical random variable.	
Answer: B		_,	
Explanation:	A) B) C) D)		
videocassette r	able 1-1, the possible responses to the recorder every week on the average? ral scale variable.		33)
	ale variable.	D) an ordinal scale variable.	
Answer: C		·	
Explanation:	A) B) C) D)		

i	mplying, amoi	ng other things, that children's clothing	rage American school child is increasing g should be manufactured and marketed in	34)
	•	X is the weight of school children samp	bled in a nationwide study, then X is an	
(example of	random variable.	B) a parameter.	
		ous random variable.	D) a categorical random variable.	
	Answer: C		,	
	Explanation:	A)		
		B)		
		C)		
		D)		
TABLE 1-1				
_	ers who have p		ner electronics company is interested in determi de by the company over the past 12 months are	_
35) I	Referring to Ta	ble 1-1, the possible responses to the q	uestion "How would you rate the quality of	35)
Š	•		, 3 = decent, 4 = poor, 5 = terrible?" result in	
	•	al scale variable.	B) a ratio scale variable.	
	•	I scale variable.	D) an interval scale variable.	
	Answer: A	A) The mating is analyzed and interest		
I	Explanation:	between "excellent" and "good" do between "poor" and "terrible."	rval scale because the difference in rating bes not have to be the same as the difference	
		B)		
		C) D)		
36) ⁻	The personnel	director at a large company studied th	e eating habits of the company's employees.	36)
-	The director no cafeteria, or we	oted whether employees brought their ent out to lunch. The goal of the study	own lunches to work, ate at the company was to improve the food service at the	,
(A) a quota sa	eria. This type of data collection would	B) a random sample.	
	-	ed experiment.	D) an observational study.	
,	Answer: D	•		
	Explanation:	A)		
		B)		
		C)		
		D)		

wanted to find weekend befor computed the the final exam. weekend befor A) a parame	ical random variable. A) B)	her university who visited on the took a random sample of who visited campus bars on university who visited cam	campus bars on the f 250 students and the weekend before pus bars on the variable.	37)
	C) D)			
38) The portion of A) a statistic Answer: D Explanation:	the universe that has been selected. B) a frame. A) B) C) D)	d for analysis is called C) a parameter.	D) a sample.	38)
TABLE 1-1				
_	mer service division of a major co purchased a videocassette recorde		=	_
39) Referring to Ta values from a	able 1-1, the possible responses to t	the question "In which year	were you born?" are	39)
A) categorio	al random variable. us numerical random variable.	B) discrete numericalD) parameter.	random variable.	
Answer: B Explanation:	A) B) C) D)			
tax dollars on residents were	oted to estimate the proportion of protecting the beaches from environsurveyed. What type of data colle	onmental disasters. Twenty-	five hundred Florida	40)
data for this st A) a randon C) observati	n sample	B) a designed experir D) a published source		
Answer: A		, ,		
Explanation:	A) B) C) D)			

41) The classificat example of A) a parame	•	Inting, economics, management, marketing, other) is an B) a continuous random variable.	41)
	rical random variable.	D) a discrete random variable.	
Answer: C Explanation:	A) B) C) D)		
TABLE 1-1			
_		najor consumer electronics company is interested in determine recorder made by the company over the past 12 months are	_
being the high		nses to the question " Out of a 100 point score with 100 what is your satisfaction level on the videocassette	42)
	al scale variable.	B) an interval scale variable.	
C) a ratio so	cale variable.	D) an ordinal scale variable.	
Answer: B			
Explanation:	A)		
		scale not ordinal scale because the difference in rating can be treated as the same as the difference between "30"	
	D)		
43) A summary m population is o		describe a characteristic from only a sample of the	43)
A) a parame		B) a statistic.	
C) the scien	tific method.	D) a census.	
Answer: B			
Explanation:	A)		
	B) C)		
	D)		
44) The classificat of	ion of student class designa	ation (freshman, sophomore, junior, senior) is an example	44)
A) a categor	rical random variable.	B) a continuous random variable.	
_	e random variable.	D) a parameter.	
Answer: A			
Explanation:	A)		
	B)		
	C)		
	D)		

The manager of the customer service division of a major consumer electronics company is interested in determining whether the customers who have purchased a videocassette recorder made by the company over the past 12 months are satisfied with their products.

unhappy with A) an inter	•	s to the question "Are you happy, indifferent, or ent on the videocassette recorder?" result in B) a nominal scale variable. D) an ordinal scale variable.	45)
Answer: D			
Explanation:	A)		
·	В)		
	C)		
	D)		
rising. A resea students during transcripts and the average nopopulation of A) all colleg B) all colleg C) all Caler	archer at Calendula College wis ng the spring semester at Calen d records the number of units e		46)
	D)		
		cerned about alcohol abuse on her campus and	47)
weekend befo	ore the final exam week. Her assudents in the sample who visite	s at her university who visited campus bars on the sistant took a random sample of 250 students. The total d campus bars on the weekend before the final exam	
A) a discret	te random variable.	B) a parameter.	
C) a contin	uous random variable.	D) a categorical random variable.	
Answer: A			
Explanation:	A)		
	B)		
	C)		
	D)		

The manager of the customer service division of a major consumer electronics company is interested in determining whether the customers who have purchased a videocassette recorder made by the company over the past 12 months are satisfied with their products.

A) the list of B) telephone C) voting re	•	48)
Answer: A Explanation:	A) B) C) D)	
incidentals, suc wishes to estim the textbook co semester. Ident A) all Drumi B) all college C) the 250 st	udents that were monitored ear Drummand University students A) B)	49)
trees. Specifical greater than 60 study involves analyzing the r A) all Ameri B) the 250 ra C) all the ad	cr way in Yosemite National Forest to determine the adult height of American pine (I)y, the study is attempting to determine what factors aid a tree in reaching heights feet tall. It is estimated that the forest contains 25,000 adult American pines. The collecting heights from 250 randomly selected adult American pine trees and esults. Identify the population from which the study was sampled. can pine trees, of any age, in the forest andomly selected adult American pine trees aller than 60 feet adult American pine trees in the forest. A)	50)
	B) C)	

D)

51)	51) The chancellor of a major university was concerned about alcohol abuse on her campus and wanted to find out the proportion of students at her university who visited campus bars on the weekend before the final exam week. Her assistant took a random sample of 250 students. The portion of students in the sample who visited campus bars on the weekend before the final exam week is an example of			51)
	A) a parame		B) a statistic	
	_	ical random variable.	D) a discrete random variable.	
	Answer: B Explanation:	A) B) C) D)		
52)	A) identificaB) an infereC) tables, gr	ollowing is <u>not</u> an element of descript ition of patterns in the data nce made about the population based aphs, or numerical summary tools lation or sample of interest		52)
	Answer: B Explanation:	A) B) C) D)		
53)	incomes for all	50 states. She would report her data and experiment.	library that contained the median family as being collected using B) a random sample. D) a published source.	53)
	Answer: D Explanation:	A) B) C) D)		
TABLE 1-	1			
	ners who have	_	mer electronics company is interested in determinate by the company over the past 12 months are	_
54)	_	able 1-1, the possible responses to the ase?" are values from a	question "What brand of videocassette recorder	54)
	A) paramete		B) discrete numerical random variable.D) continuous numerical random variable.	
	Answer: C			
	Explanation:	A) B) C) D)		

		scribe the various features of that set of ve statistics.	and characterization of a set of data in o data are called B) sampling. D) the scientific method.	order 55)
	Answer: A Explanation:	A) B) C) D)		
56)	A) the colorB) the numbC) the numb	ollowing is a continuous quantitative va of a student's eyes per of gallons of milk sold at the local gr per of employees of an insurance compa ant of milk produced by a cow in one 24	rocery store yesterday any	56)
	Explanation:	A) B) C) D)		
	incidentals, sur wishes to estin the textbook co semester. Iden A) all first-y B) all colleg C) all Drum	ch as textbook costs, are rarely consider nate the textbook costs of first-year stud ost of 250 first-year students and found tify the sample in the study. ear Drummand University students	o measure the cost of a college education ed. A researcher at Drummand Univers ents at Drummand. To do so, she monit that their average textbook cost was \$30	ored
	Answer: D Explanation:	A) B) C) D)		
SHORT A	NSWER. Writ	te the word or phrase that best comple	tes each statement or answers the ques	tion.
		an automobile, there are a number of vaple of a(n) variable.	ariables to consider. The color of the	58)
	Answer: categ Explanation:			
59)	New York. A smillion patient	oner of Health in New York State want cample of 31 thousand medical records as who were discharged during the year om the sample of 31 thousand patients i	was drawn from a population of 2.7 1997. The proportion of malpractice	59)
	Answer: statis Explanation:	tic		

60)	A personal computer user survey was conducted. Primary word processing package used	60) _	
	is an example of a(n) variable.		
	Answer: categorical Explanation:		
61)	Mediterranean fruit flies were discovered in California a few years ago and badly	61) _	
	damaged the oranges grown in that state. Suppose the manager of a large farm wanted to study the impact of the fruit flies on the orange crops on a daily basis over a 6-week period.		
	On each day a random sample of orange trees were selected from within a random sample		
	of acres. The daily average number of damaged oranges per tree and the proportion of		
	trees having damaged oranges were calculated. In this study, the presentation and characterization of the two main measures calculated each day (i.e., average number of		
	damaged oranges per tree and proportion of trees having damaged oranges) is called		
	·		
	Answer: descriptive statistics/methods		
	Explanation:		
62)	An insurance company evaluates many numerical variables about a person before	62) _	
	deciding on an appropriate rate for automobile insurance. How long a person has been a licensed driver is an example of a(n) numerical variable.		
	Answer: continuous		
	Explanation:		
62)	The Dean of Students conducted a survey on campus. Grade point average (GPA) is an	63)	
03)	example of a(n) numerical variable.	03) _	
	Answer: continuous		
	Explanation:		
64)	The Dean of Students conducted a survey on campus. Number of clubs, groups, teams, and	64)	
	organizations affiliated with on campus is an example of a(n) numerical variable.	-	
	Answer: discrete		
	Explanation:		
65)	The Commissioner of Health in New York State wanted to study malpractice litigation in	65) _	
	New York. A sample of 31 thousand medical records was drawn from a population of 2.7 million patients who were discharged during the year 1997. Using the information		
	obtained from the sample to predict population characteristics with respect to malpractice		
	litigation is an example of		
	Answer: inferential statistics		
	Explanation:		
66)	The Quality Assurance Department of a large urban hospital is attempting to monitor and	66) _	
	evaluate patient satisfaction with hospital services. Prior to discharge, a random sample of patients is asked to fill out a questionnaire to rate such services as medical care, nursing,		
	therapy, laboratory, food, and cleaning. The Quality Assurance Department prepares		
	weekly reports that are presented at the Board of Directors meetings and		
	extraordinary/atypical ratings are easy to flag. True population characteristics estimated from the sample results each week are called		
	Answer: parameters		
	Explanation:		

67)	The Dean of Students conducted a survey on campus. Class designation (Freshman,	67)	
	Sophomore, Junior, Senior) is an example of a(n) variable.		
	Answer: categorical		
	Explanation:		
68)	The Dean of Students conducted a survey on campus. Number of credits currently enrolled	68)	
	for is an example of a(n) numerical variable.		
	Answer: discrete		
	Explanation:		
69)	The Human Resources Director of a large corporation wishes to develop an employee	69)	
·	benefits package and decides to select 500 employees from a list of all (N = 40,000) workers	•	
	in order to study their preferences for the various components of a potential package. In		
	this study, methods that result in decisions concerning population characteristics based only on the sample results are called		
	Answer: inferential statistics/methods		
	Explanation:		
70)	Most colleges admit students based on their achievements in a number of different areas.	70)	
	Whether a student has taken any advanced placement courses is an example of a(n) variable.		
	Answer: categorical		
	Explanation:		
74\	TI 0	74)	
/1)	The Commissioner of Health in New York State wanted to study malpractice litigation in New York. A sample of 31 thousand medical records was drawn from a population of 2.7	71) -	
	million patients who were discharged during the year 1997. The collection, presentation,		
	and characterization of the data from patient medical records are examples of		
	Answer: descriptive statistics/methods		
	Explanation:		
72)	The Dean of Students conducted a survey on campus. Major area of study is an example of	72)	
, _,	a(n) variable.	, _,	
	Answer: categorical		
	Explanation:		
73)	An insurance company evaluates many numerical variables about a person before	73)	
13)	deciding on an appropriate rate for automobile insurance. The distance a person drives in a	- '3)	
	year is an example of a(n) variable.		
	Answer: continuous		
	Explanation:		
74)	In purchasing an automobile, there are a number of variables to consider. The classification	74)	
,	of the car as a subcompact, compact, standard, or luxury size is an example of a(n)	- ' -	
	variable.		
	Answer: categorical		
	Explanation:		

75)	An insurance company evaluates many numerical variables about a person before deciding on an appropriate rate for automobile insurance. A person's age is an example of	75) <u> </u>	
	a(n) numerical variable.		
	Answer: continuous		
	Explanation:		
76)	The Human Resources Director of a large corporation wishes to develop an employee	76)	
	benefits package and decides to select 500 employees from a list of all ($N = 40,000$) workers in order to study their preferences for the various components of a potential package. In this study, methods involving the collection, presentation, and characterization of the data are called	-	
	Answer: descriptive statistics/methods Explanation:		
77)	The Human Resources Director of a large corporation wishes to develop an employee	77) _	
	benefits package and decides to select 500 employees from a list of all ($N = 40,000$) workers in order to study their preferences for the various components of a potential package. The Director will use the data from the sample to compute		
	Answer: statistics Explanation:		
78)	Most colleges admit students based on their achievements in a number of different areas. The grade obtained in senior level English. (A, B, C, D, or F) is an example of a(n) variable.	78) _	
	Answer: categorical Explanation:		
79)	A personal computer user survey was conducted. The number of computer magazine subscriptions is an example of a(n) numerical variable.	79) _	
	Answer: discrete Explanation:		
80)	An insurance company evaluates many numerical variables about a person before deciding on an appropriate rate for automobile insurance. The number of claims a person	80) _	
	has made in the last 3 years is an example of a(n) numerical variable.		
	Answer: discrete Explanation:		
81)	The Human Resources Director of a large corporation wishes to develop an employee benefits package and decides to select 500 employees from a list of all ($N = 40,000$) workers in order to study their preferences for the various components of a potential package. The 500 employees who will participate in this study constitute the	81) _	
	Answer: sample Explanation:		

82)	The Human Resources Director of a large corporation wishes to develop an employee	82)	
	benefits package and decides to select 500 employees from a list of all ($N = 40,000$) workers in order to study their preferences for the various components of a potential package. Information obtained from the sample will be used to draw conclusions about the true population		
	Answer: parameters Explanation:		
83)	A personal computer user survey was conducted. Hours of personal computer use per week is an example of a(n) numerical variable	83)	
	Answer: continuous Explanation:		
84)	Mediterranean fruit flies were discovered in California a few years ago and badly damaged the oranges grown in that state. Suppose the manager of a large farm wanted to	84)	
	study the impact of the fruit flies on the orange crops on a daily basis over a 6-week period. On each day a random sample of orange trees were selected from within a random sample of acres. The daily average number of damaged oranges per tree and the proportion of trees having damaged oranges were calculated. The two main measures calculated each day (i.e., average number of damaged oranges per tree and proportion of trees having damaged oranges) are called		
	Answer: statistics Explanation:		
85)	A personal computer user survey was conducted. The number of years using a personal computer is an example of a(n) numerical variable.	85)	
	Answer: continuous Explanation:		
86)	Mediterranean fruit flies were discovered in California a few years ago and badly damaged the oranges grown in that state. Suppose the manager of a large farm wanted to study the impact of the fruit flies on the orange crops on a daily basis over a 6-week period. On each day a random sample of orange trees were selected from within a random sample of acres. The daily average number of damaged oranges per tree and the proportion of trees having damaged oranges were calculated. In this study, drawing conclusions on any one day about the true population characteristics based on information obtained from the sample is called	86)	
	Answer: inferential statistics/methods Explanation:		
87)	An insurance company evaluates many numerical variables about a person before deciding on an appropriate rate for automobile insurance. The number of tickets a person has received in the last 3 years is an example of a(n) numerical variable.	87)	
	Answer: discrete Explanation:		
88)	A personal computer user survey was conducted. Number of personal computers owned is an example of a(n) numerical variable.	88)	
	Answer: discrete Explanation:		

89)	The Dean of Students conducted a survey on campus. The gender of the student is an	89)	
	example of a(n) variable. Answer: categorical		
	Explanation:		
90)	The Commissioner of Health in New York State wanted to study malpractice litigation in	90)	
70)	New York. A sample of 31 thousand medical records was drawn from a population of 2.7 million patients who were discharged during the year 1997. The true proportion of malpractice claims filed from the population of 2.7 million patients is a(n) Answer: parameter Explanation:	70)	
91)	The Quality Assurance Department of a large urban hospital is attempting to monitor and evaluate patient satisfaction with hospital services. Prior to discharge, a random sample of patients is asked to fill out a questionnaire to rate such services as medical care, nursing, therapy, laboratory, food, and cleaning. The Quality Assurance Department prepares weekly reports that are presented at the Board of Directors meetings and extraordinary/atypical ratings are easy to flag. Values computed from the sample results each week are called	91)	
	Answer: statistics Explanation:		
92)	In purchasing an automobile, there are a number of variables to consider. The body style of the car (sedan, coupe, wagon, etc.) is an example of a(n) variable.	92)	
	Answer: categorical Explanation:		
93)	The Dean of Students conducted a survey on campus. Average SAT score in mathematics is an example of a(n) numerical variable.	93)	
	Answer: continuous Explanation:		
94)	Most colleges admit students based on their achievements in a number of different areas. The total SAT score achieved by a student is an example of a(n) numerical variable.	94)	
	Answer: discrete Explanation:		
95)	A personal computer user survey was conducted. Computer brand primarily used is an example of a(n) variable.	95)	
	Answer: categorical Explanation:		
96)	The Human Resources Director of a large corporation wishes to develop an employee benefits package and decides to select 500 employees from a list of all (<i>N</i> = 40,000) workers in order to study their preferences for the various components of a potential package. All the employees in the corporation constitute the Answer: population	96)	
	Explanation:		

	97) Mediterranean fruit flies were discovered in California a few years ago and badly damaged the oranges grown in that state. Suppose the manager of a large farm wanted to study the impact of the fruit flies on the orange crops on a daily basis over a 6-week period.	
	On each day a random sample of orange trees were selected from within a random sample of acres. The daily average number of damaged oranges per tree and the proportion of trees having damaged oranges were calculated. The two main measures calculated each day (i.e., average number of damaged oranges per tree and proportion of trees having damaged oranges) may be used on a daily basis to estimate the respective true population	
	Answer: parameters Explanation:	
TRUE	FALSE. Write 'T' if the statement is true and 'F' if the statement is false.	
	98) A statistic is usually used to provide an estimate for a usually unobserved parameter. Answer: True False	98)
	Explanation:	
	99) The quality ("terrible," "poor," "fair," "acceptable," "very good," and "excellent") of a day care center is an example of a numerical variable.	99)
	Answer: True Selse Explanation:	
1	00) A statistic is usually unobservable while a parameter is usually observable.	100)
	Answer: True • False Explanation:	
1	01) The answer to the question "What is your sleeping bag temperature rating?" is an example of a rati scaled variable.	o 101)
	Answer: True Valse Explanation:	
1	02) The amount of alcohol consumed by a person per week will be measured on an interval scale.	102)
	Answer: True Selse Explanation:	
1	03) The number of defective apples in a single box is an example of a continuous variable.	103)
	Answer: True Selse Explanation:	
1	04) The type of TV one owns is an example of a numerical variable.	104)
	Answer: True Valse Explanation:	
1	05) The amount of alcohol consumed by a person per week is an example of a continuous variable.	105)
	Answer: True False Explanation:	

106)	Whether the universi	ty is private or public is an example of a nominal scaled variable.	106)
	Answer: True Explanation:	False	
107)	A population is the to	otality of items or things under consideration.	107)
	Answer: True Explanation:	False	
108)		when statistically unsophisticated users who do not understand the the statistical procedures or their limitations are misled by results obtained are.	108)
	Answer: True Explanation:	False	
109)	The amount of calorie	es contained in a pack of 12-ounce cheese will be measured on a ratio scale.	109)
	Answer: True Explanation:	False	
110)	Faculty rank (profess	or to lecturer) is an example of discrete numerical data.	110)
	Answer: True Explanation:	False	
111)		e may take on any value within its relevant range even though the may not be precise enough to record it.	111)
	Answer: True Explanation:	False	
112)	The amount of coffee variable.	consumed by an individual in a day is an example of a discrete numerical	112)
	Answer: True Explanation:	False	
113)	The date when a prod	duction line in a factory is out-of-control will be measured with a ratio scale.	113)
	Answer: True Explanation:	False	
114)	The answer to the qu variable.	estion "What is your favorite color?" is an example of an ordinal scaled	114)
	Answer: True Explanation:	False	
115)	Marital status is an ex	xample of a numerical variable.	115)
	Answer: True Explanation:	False	
116)		on ("Very unsatisfied," "Fairly unsatisfied," "Fairly satisfied," and "Very san example of an ordinal scaled variable.	116)
	Answer: True Explanation:	False	

117)	Whether the university	is private or public is an example of a categorical variable.	117)
	Answer: True Explanation:	False	
118)	•	to the question "How many times in the past three months have you visited from a discrete variable.	118)
	Answer: True Explanation:	False	
119)	The possible responses are values from a contin	to the question "How long have you been living at your current residence?" nuous variable.	119)
	Answer: True Explanation:	False	
120)	The answer to the questis an example of a ratio	tion "How many hours on average do you spend watching TV every week?" scaled variable.	120)
	Answer: True Explanation:	False	
121)	The answer to the quest example of an ordinal s	tion "How do you rate the quality of your business statistics course" is an caled variable.	121)
	Answer: True Explanation:	False	
122)	The amount of time a st	tudent spent studying for an exam will be measured on a ratio scale.	122)
	Answer: True Explanation:	False	
123)	The amount of calories	contained in a pack of 12-ounce cheese is an example of a discrete variable.	123)
	Answer: True © Explanation:	False	
124)	The grade level (K-12) of	of a student is an example of a numerical variable.	124)
	Answer: True © Explanation:	False	
125)		the sample average exam score of 20 students and used it to estimate the he 1,500 students taking the exam was an example of inferential statistics.	125)
	Answer: True Explanation:	False	
126)		("Very unsatisfied," "Fairly unsatisfied," "Fairly satisfied," and "Very n example of a categorical variable.	126)
	Answer: True Explanation:	False	

127)	Using the number of registered voters who turned out to vote for the primary in lowa to predict the number of registered voters who will turn out to vote in Vermont's primary is an example of			
	descriptive	statistics.	•	
	Answer: Explanation	True n:	False	
128)			e," "poor," "fair," "acceptable," "very good," and "excellent") of a day care center ominal scaled variable.	128)
	Answer: Explanation	True n:	False	
129)	•	draw con	nderstanding of statistics to be able to present and describe information nclusions about large populations based on small samples, improve processes, recasts.	129)
	Answer: Explanation		False	
130)	Marital stat	tus is an e	example of an ordinal scaled variable.	130)
ŕ	Answer: Explanation	True	False	, <u> </u>
131)	A sample is	s the porti	ion of the universe that is selected for analysis.	131)
	Answer: Explanation		False	
132)	The type of	f TV one c	owns is an example of an ordinal scaled variable.	132)
	Answer: Explanation	True n:	False	
133)			per of registered voters who turned out to vote for the primary in Iowa is an ve statistics.	133)
	Answer: © Explanation		False	
134)	The grade I	level (K-1	2) of a student is an example of a nominal scaled variable.	134)
	Answer: Explanation	True n:	False	
135)	Student gra	ades (A to	F) are an example of continuous numerical data.	135)
	Answer: Explanation	True n:	False	
136)	136) The amount of time a student spent studying for an exam is an example of a continuous variable.			
	Answer: Explanation		False	
137) The number of defective apples in a single box will be measured on an interval scale.				137)
	Answer: Explanation	True n:	False	

Answer Key Testname: C1

1) A

2) B

3) A 4) C

5) C

6) B 7) A

8) C

9) A

10) D

11) C

12) D

13) D

14) D

15) C

16) B

17) C

18) D

19) A

20) C

21) D 22) B

23) B

24) B

25) C

26) D

27) D

28) C

29) D

30) D

31) D

32) B

33) C

34) C

35) A

36) D 37) A

38) D

39) B

40) A

41) C

42) B

43) B 44) A

45) D

46) D

47) A

48) A

49) D

50) D

Answer Key Testname: C1

- 51) B
- 52) B
- 53) D
- 54) C
- 55) A
- 56) D
- 57) D
- 58) categorical
- 59) statistic
- 60) categorical
- 61) descriptive statistics/methods
- 62) continuous
- 63) continuous
- 64) discrete
- 65) inferential statistics
- 66) parameters
- 67) categorical
- 68) discrete
- 69) inferential statistics/methods
- 70) categorical
- 71) descriptive statistics/methods
- 72) categorical
- 73) continuous
- 74) categorical
- 75) continuous
- 76) descriptive statistics/methods
- 77) statistics
- 78) categorical
- 79) discrete
- 80) discrete
- 81) sample
- 82) parameters
- 83) continuous
- 84) statistics
- 85) continuous
- 86) inferential statistics/methods
- 87) discrete
- 88) discrete
- 89) categorical
- 90) parameter
- 91) statistics
- 92) categorical
- 93) continuous
- 94) discrete
- 95) categorical
- 96) population
- 97) parameters
- 98) TRUE
- 99) FALSE
- 100) FALSE

Answer Key Testname: C1

- 101) FALSE
- 102) FALSE
- 103) FALSE
- 104) FALSE
- 105) TRUE
- 106) TRUE
- 107) TRUE
- 108) TRUE
- 109) TRUE
- 110) FALSE
- 111) TRUE
- 112) FALSE
- 113) FALSE
- 114) FALSE
- 115) FALSE
- 116) TRUE
- 117) TRUE
- 118) TRUE
- 119) TRUE
- 120) TRUE
- 121) TRUE
- 122) TRUE
- 123) FALSE
- 124) FALSE
- 125) TRUE
- 126) TRUE
- 127) FALSE
- 128) FALSE
- 129) TRUE
- 130) FALSE
- 131) TRUE
- 132) FALSE
- 133) TRUE
- 134) FALSE
- 135) FALSE
- 136) TRUE
- 137) FALSE