Statistical Techniques in Business and Economics 17th Edition Lind Test Bank

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Exam	

Name_____

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false
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 A population is a collection of all individuals, objects, or measurements of interest. Answer: True False False 	1)
2) Statistics are used as a basis for making decisions.Answer: TrueFalse	2)
 3) A listing of 100 family annual incomes is an example of statistics. Answer: True False Answer: True False Answer: True False 	3)
 4) The average number of passengers on commercial flights between Chicago and New York City is an example of a statistic. Answer: True False 	4)
5) Statistics is used to report the summary results of market surveys.Answer: TrueFalse	5)
6) A sample is a portion or part of the population of interest.Answer: TrueFalse	6)
7) To infer something about a population, we usually take a sample from the population.Answer: TrueFalse	7)
 8) Descriptive statistics are used to find out something about a population based on a sample. 	8)
Answer: True Veralse	
9) There are four levels of measurement: qualitative, quantitative, discrete, and continuous.Answer: True False	9)
10) The ordinal level of measurement is considered the "lowest" level of measurement.Answer: True Palse	10)
11) A store asks shoppers for their zip codes to identify market areas. Zip codes are an example of ratio data.	11)
Answer: True 📀 False	
12) An ordinal level of measurement implies some sort of ranking.Answer: TrueFalse	12)
13) Data measured on a nominal scale can only be classified into categories.Answer: TrueFalse	13)

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14) The terms descriptive statistics and inferential statistics can be used interchangeably.	14)
Answer: True 🔮 False	
15) A marketing research agency was hired to test a new DVD player. Consumers rated it outstanding, very good, fair, or poor. The level of measurement for this experiment is ordinal.	15)
Answer: O True False	
16) The Union of Electrical Workers of America with 9,128 members polled 362 members about a new wage package that will be submitted to management. The population is the 362 members.Answer: True False	16)
 17) The <i>CIA World Factbook</i> cited these numbers for the United States: The birthrate is 13.66 births per 1,000 of the population. The average life expectancy for females is 81.17 years. Approximately 316.7 million persons reside in the United States. 	17)
Each of these numbers is referred to as a statistic.	
Answer: O True False	
18) If we select 100 persons from 25,000 registered voters and question them about candidates and issues, the 100 persons are referred to as the population.Answer: True False	18)
 19) Statistics is defined as a body of techniques used to facilitate the collection, organization, presentation, analysis, and interpretation of information for the purpose of making better decisions. Answer: • True False 	19)
20) Categorizing voters as Democrats, Republicans, and Independents is an example of interval level measurement.	20)
Answer: True 🔮 False	
21) The order in which runners finish in a race would be an example of continuous data. Answer: True Selse	21)
22) Based on a sample of 3,000 people, the civilian unemployment rate in the United States was 5.5%. 5.5% is referred to as a statistic.	22)
Answer: O True False	
23) The principal difference between the interval and ratio scale is that the ratio scale has a meaningful zero point.	23)
Answer: 🝳 True 🛛 False	

24)	The branch of mather analysis, and interpre	matics used to facilitate the station of numerical inform	e collection, organizat ation is referred to as	tion, presentation, statistics.	24)	
	Answer: 🥥 True	False				
25)	The number of child	en in a family is a discrete	variable.		25)	
	Answer: 🥥 True	False				
MULTIPL	E CHOICE. Choose th	e one alternative that best co	mpletes the statement c	or answers the question.		
26)	The main purpose of	descriptive statistics is to			26)	
	A) summarize data	in a useful and informative	e manner.			
	B) make inferences	about a population.				
	C) gather or collect	data.				
	D) determine if the	data adequately represent	the population.			
	Answer: A					
27)	Which of the followi	ng is an example of a conti	nuous variable?		27)	
	A) Rankings of bas	eball teams in a league				
	B) Number of stude	ents in a statistics class				
	C) Tons of concrete	e to complete a parking gan	age			
	D) Zip codes of sho	oppers				
	Answer: C					
28)	The incomes of 50 lo	an applicants are obtained	. Which level of meas	surement is income?	28)	
	A) Ratio	B) Nominal	C) Interval	D) Ordinal		
	Answer: A					
29)	When TV advertisem	ents report that "2 out of 3	dentists surveyed ind	licated they would	29)	
	recommend Brand X	toothpaste to their patients	," an informed consu	mer may question		
	the conclusion becau	se				
	A) the sample of de	entists is clearly explained.				
	B) the sample was	only 5 dentists.				
	C) the advertiseme	nt does not include the tota	l number of dentists s	surveyed.		
	D) the conclusion i	s not illustrated with a grap	oh.			
	Answer: C					
30)	A bank asks custome	rs to evaluate its drive-thro	ough service as good,	average, or poor.	30)	
	Which level of measured	urement is this classification	on?			
	A) Nominal	B) Interval	C) Ratio	D) Ordinal		
	Answer: D					
31)	A portion or part of a	population is called a			31)	
,	A) sample.		B) tally.		<i>,</i>	
	C) frequency distri	bution.	D) random survey.			
	Answer: A					

32) If Gallup, Harris, and affiliations as Democr	other pollsters asked at, Republican, or in	d people to indicate their idependent, the data gath	political party ered would be an	32)
example of which sca A) Interval Answer: D	le of measurement? B) Ratio	C) Ordinal	D) Nominal	
33) The members of each measurement are these	basketball team wea e numbers considere	ar numbers on their jersey	ys. What scale of	33)
A) Nominal Answer: A	B) Ratio	C) Ordinal	D) Interval	
 34) A marketing class of 5 superior, good, averag following survey result inferior. A) The instructor's p B) The instructor's p C) Most students rate D) No conclusions consistent of the construction of	50 students evaluated ge, poor, or inferior. lts: 2% superior, 8% performance was info performance was gre ted the instructor as can be made.	d the instructor using the The descriptive summary good, 45% average, 45% erior. at! poor or average.	following scale: y showed the 6 poor, and 0%	34)
35) A survey includes a questingle, married, divore this question?A) Nominal Answer: A	uestion about marita ced, separated, or wi B) Interval	l status that has the follo dowed. What is the scale C) Ratio	wing responses: e of measurement for D) Ordinal	35)
36) Respondents were ask ago?" What is this lev	ed, "Do you now ea el of measurement?	rn more than or less than	you did five years	36)
A) Nominal Answer: D	B) Ratio	C) Interval	D) Ordinal	
37) Which word is NOT pA) SummarizingAnswer: B	oart of the definition B) Predicting	of descriptive statistics? C) Presenting	D) Organizing	37)
38) The reported unemployto measure unemployA) NominalAnswer: C	oyment is 5.5% of th ment? B) Ordinal	e population. What meas C) Ratio	urement scale is used D) Interval	38)
39) The Equal Employmerby gender and nationaA) NominalAnswer: A	nt Opportunity Act i l origin. Which leve B) Ratio	requires employers to cla el of measurement is this C) Ordinal	ssify their employees ? D) Interval	39)

40) What level of measure A) Nominal Answer: D	ement is the Centigrad B) Ratio	le temperature scale? C) Ordinal	D) Interval	40)
41) What type of variable during a day?A) Qualitative	is the number of gallo B) Discrete	ons of gasoline pumped C) Attribute	by a filling station D) Continuous	41)
Answer: D 42) The performance of per	ersonal and business i stment." What type of B) Qualitative	nvestments is measured variable is "return on ir C) Continuous	as a percentage avestment"? D) Discrete	42)
43) What type of variable A) Quantitative Answer: A	is the number of robb B) Qualitative	eries reported in your ci C) Attribute	ty? D) Continuous	43)
44) What type of variable A) Ratio Answer: D	is the number of auto B) Continuous	accidents reported in a C) Interval	given month? D) Discrete	44)
45) The names of the positive are examples of what the A) RatioAnswer: C	tions in a corporation type of variable? B) Interval	, such as chief operating C) Qualitative	officer or controller, D) Quantitative	45)
46) What type of variableA) ContinuousAnswer: A	is "pounds of popcorr B) Discrete	n" served at a movie the C) Interval	ater? D) Ratio	46)
47) The final rankings of t which level of measurA) OrdinalAnswer: A	he top 20 NCAA coll ement? B) Interval	ege basketball teams are C) Nominal	e an example of D) Ratio	47)
48) Your height and weighA) IntervalAnswer: C	nt are examples of wh B) Nominal	ich level of measuremen C) Ratio	nt? D) Ordinal	48)
49) Shoe style is an examp A) Ordinal Answer: C	ple of what level of m B) Interval	easurement? C) Nominal	D) Ratio	49)

50) The general process of	of gathering, organizi	ng, summarizing, analyz	zing, and interpreting	50)
data is called				
A) inferential statis	tics.	B) levels of meas	urement.	
C) descriptive stati	stics.	D) statistics.		
Answer: D				
51) The Nielsen Ratings	break down the numb	per of people watching a	particular television	51)
Δ) Interval	B) Ratio	C) Nominal	D) Ordinal	
Answer: B	b) Ratio	C) I tolilliai	D) Orumar	
52) An example of a qua	litative variable is			52)
A) weight of a pers	on.	B) color of ink in	a pen.	
C) miles between c	oil changes.	D) number of chil	ldren in a family.	
Answer: B				
53) Which one of the fol	lowing is NOT an exa	ample of discrete data?		53)
A) Number of hous	scholds watching the	Home Shopping Networ	°k	
B) Number of men	bers of the Denver L	ions Club		
C) Number of mile	s between New York	City and Chicago		
D) Number of emp	loyees reporting in sid	ck		
Answer: C				
EAN What level of measure	rement is a person's "	favorite sport"?		E 4)
Δ) Ordinal	B) Interval	C) Ratio	Nominal (ח	54)
	b) Inter var	C) Ratio	D) Nominar	
Answei. D				
55) A group of women tr	ied five brands of fin el of measurement is	gernail polish and ranke this?	d them according to	55)
A) Interval	B) Ratio	C) Ordinal	D) Nominal	
Answer: C	,		,	
56) A university wishes t	o conduct a student s	urvey. In one of the que	stions students are	56)
asked to mark their g	ender as either male of	or female. Gender is an	example of the	50)
Δ) nominal scale	chuch as church mare	B) ratio scale	example of the	
C) interval scale		D) ordinal scale		
		D) of alliar source		
57) Income is a variable	often used in busines	s and economics. Incom	e is an example of a	57)
variable that uses the				
A) ordinal scale.		B) interval scale.		
C) ratio scale.		D) nominal scale.		
Answer: C				

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58) When statisticians analyze sample data in order to draw conclusions about the		58)	
characteristics of a population, this	is referred to as		
A) descriptive statistics.	B) statistical inference.		
C) data summarization.	D) data analysis.		
Answer: B			
59) The length of a bridge, measured in	n meters, is an example of	59)	
A) quantitative data.			
B) either categorical or quantitati	ve data.		
C) measurement data.			

D) categorical data.

Answer: A