Exam		
Name		
MULTIPLE CHOICE. Choose the one alternative that best cor	npletes the statement or answers the quest	ion.
Solve the problem.  1) Which of the following is not the job of a statistician?  A) implementing new procedures based on the results of the conclusions drawn from the conclusions drawn from the conclusions drawn from the conclusions drawn from the conclusion in the form of the conclusion of the conclusion in the form of the conclusion in the following is not the job of a statistician?  A) implementing new procedures based on the results in the conclusions drawn from the conclusions dr	m a study are to be trusted data	1)
SHORT ANSWER. Write the word or phrase that best comple	tes each statement or answers the question	١.
2) What is statistics?	2)	
MULTIPLE CHOICE. Choose the one alternative that best cor  3) A recent report stated "Based on a sample of 130 truck average, independent truck drivers earn more than constatement describe descriptive or inferential statistics?  A) Descriptive statistics	c drivers, there is evidence to indicate that, o ompany-hired truck drivers." Does this	
<ul> <li>4) A survey of high school teenagers reported that 93% of college education. Does this statement describe described.</li> <li>A) Descriptive statistics</li> </ul>	, , ,	a 4)
<ul><li>5) The average age of the students in a statistics class is a descriptive or inferential statistics?</li><li>A) Descriptive statistics</li></ul>	22 years. Does this statement describe  B) Inferential statistics	5)
<ul> <li>6) From past figures, it is predicted that 47% of the regis</li> <li>Does this statement describe descriptive or inferential</li> <li>A) Inferential statistics</li> </ul>		. 6)
7) Parking at a large university has become a very big printerested in determining the average parking time (e spot) of its students. An administrator inconspicuously recorded their parking times. The university is interest of 250 students collected to learn information about the this be an application of descriptive or inferential state. A) Descriptive statistics	g. the time it takes a student to find a parki ly followed 250 students and carefully sted in using the information from the samp ne entire student parking population. Would	le
8) As part of an economics class project, students were a Exchange (NYSE) stocks from the Wall Street Journal. summarize the current prices (also referred to as the c trading date) of the collected stocks using graphical at application of descriptive or inferential statistics? A) Inferential statistics	As part of the project, students were asked closing price of the stock for a particular	

SHORT ANSWER. Write the word or phrase that best complete	tes each statement or answers the question.	
9) In a survey of 3000 high school students, 21% of those best-seller each month. Give an example of a descript statement that could be made based on this information	ive statement and an inferential	
MULTIPLE CHOICE. Choose the one alternative that best com-	npletes the statement or answers the question.	
<ul> <li>10) Which of the following is not an element of descriptive</li> <li>A) patterns in a data set are identified</li> <li>B) predictions are made about a larger set of data</li> <li>C) data are displayed visually in graphs</li> <li>D) information revealed in a data set is summarized</li> </ul>		10)
Answer the question True or False.  11) When we take data obtained from a sample and make entire population, we are utilizing inferential statistics  A) True		11)
<ul><li>12) Statistics involves two different processes, describing sthe sets of data on the basis of sampling.</li><li>A) True</li></ul>	sets of data and drawing conclusions about  B) False	12)
Solve the problem.  13) Parking at a university has become a problem. Univer determining the average time it takes a student to find inconspicuously followed 90 students and recorded he spot. Identify the population of interest to the university.  A) the entire set of faculty, staff, and students who park at the university between C) the 90 students about whom the data were colled.  D) the entire set of students who park at the university.	I a parking spot. An administrator ow long it took each of them to find a parking ity administration. oark at the university 9 and 10 AM on Wednesdays oted	13)
<ul> <li>14) Parking at a university has become a problem. Univer determining the average time it takes a student to find inconspicuously followed 220 students and recorded hearting spot. Identify the variable of interest to the university of the parking spot.</li> <li>A) students who drive cars on campus</li> <li>B) time to find a parking spot</li> <li>C) number of empty parking spots</li> <li>D) number of students who cannot find a spot</li> </ul>	l a parking spot. An administrator now long it took each of them to find a	14)
<ul> <li>15) An assembly line is operating satisfactorily if fewer th defective. To check the quality of a day's production, t from a day's production to test for defects. Define the A) the 2% of the phones that are defective</li> <li>B) the 40 phones sampled and tested</li> <li>C) the 40 responses: defective or not defective</li> <li>D) all the phones produced during the day in question.</li> </ul>	he company randomly samples 40 phones population of interest to the manufacturer.	15)

<ul> <li>16) An insurance company conducted a study to determine the percentage of cardiologists who had been sued for malpractice in the previous three years. The sample was randomly chosen from a national directory of doctors. What is the variable of interest in this study? <ul> <li>A) the doctor's area of expertise (i.e., cardiology, pediatrics, etc.)</li> <li>B) the number of doctors who are cardiologists</li> <li>C) all cardiologists in the directory</li> <li>D) the responses: have been sued/have not been sued for malpractice in the last three years</li> </ul> </li> </ul>	16)
<ul> <li>17) A study attempted to estimate the proportion of Florida residents who were willing to spend more tax dollars on protecting the Florida coastline from environmental disasters. Twenty-six hundred Florida residents were surveyed. Which of the following is the population used in the study? <ul> <li>A) all Florida residents</li> <li>B) Florida residents willing to spend more tax dollars protecting the coastline from environmental disasters</li> <li>C) the 2600 Florida residents who were surveyed</li> <li>D) all Florida residents who lived along the coastline</li> </ul> </li> </ul>	17)
<ul> <li>18) A study attempted to estimate the proportion of Florida residents who were willing to spend more tax dollars on protecting the Florida beaches from environmental disasters. Twenty-six hundred Florida residents were surveyed. Which of the following describes the variable of interest in the study? <ul> <li>A) the response to the question, "Are you willing to spend more tax dollars on protecting the Florida beaches from environmental disasters?"</li> <li>B) the 2600 Florida residents surveyed</li> <li>C) the response to the question "Do you use the beach?"</li> <li>D) the response to the question "Do you live along the beach?"</li> </ul> </li> </ul>	18)
<ul> <li>19) Parking at a large university has become a very big problem. University administrators are interested in determining the average parking time (e.g. the time it takes a student to find a parking spot) of its students. An administrator inconspicuously followed 250 students and carefully recorded their parking times. Identify the population of interest to the university administration. <ul> <li>A) a single student that parks at the university</li> <li>B) the 250 students that data was collected from</li> <li>C) the parking time, defined to be the amount of time the student spent finding a parking spot</li> <li>D) the entire set of students that park at the university</li> </ul> </li> </ul>	19)
<ul> <li>20) Parking at a large university has become a very big problem. University administrators are interested in determining the average parking time (e.g. the time it takes a student to find a parking spot) of its students. An administrator inconspicuously followed 250 students and carefully recorded their parking times. Identify the sample of interest to the university administration. <ul> <li>A) the entire set of students that park at the university</li> <li>B) the parking time, defined to be the amount of time the student spent finding a parking spot</li> <li>C) a single student that parks at the university</li> <li>D) the 250 students that data was collected from</li> </ul> </li> </ul>	20)

21) Parking at a large university has become a very big problem. University administrators are	21)
interested in determining the average parking time (e.g. the time it takes a student to find a parking spot) of its students. An administrator inconspicuously followed 250 students and carefully recorded their parking times. Identify the experimental unit of interest to the university	
administration.  A) a single student that parks at the university	
B) the 250 students that data was collected from	
C) the parking time, defined to be the amount of time the student spent finding a parking spot	
D) the entire set of students that park at the university	
22) Parking at a large university has become a very big problem. University administrators are	22)
interested in determining the average parking time (e.g. the time it takes a student to find a parking	
spot) of its students. An administrator inconspicuously followed 250 students and carefully recorded their parking times. Identify the variable of interest to the university administration.	
A) the parking time, defined to be the amount of time the student spent finding a parking spot	
B) the entire set of students that park at the university	
C) a single student that parks at the university	
D) the 250 students that data was collected from	
23) As part of an economics class project, students were asked to randomly select 500 New York Stock	23)
Exchange (NYSE) stocks from the Wall Street Journal. As part of the project, students were asked to	
summarize the current prices (also referred to as the closing price of the stock for a particular trading date) of the collected stocks using graphical and numerical techniques. Identify the	
population of interest for this study.	
A) the entire set of stocks that are traded on the NYSE	
B) the current price (or closing price) of a NYSE stock	
C) the 500 NYSE stocks that current prices were collected from	
D) a single stock traded on the NYSE	
24) As part of an economics class project, students were asked to randomly select 500 New York Stock	24)
Exchange (NYSE) stocks from the Wall Street Journal. As part of the project, students were asked to summarize the current prices (also referred to as the closing price of the stock for a particular	
trading date) of the collected stocks using graphical and numerical techniques. Identify the sample	
of interest for this study.	
A) a single stock traded on the NYSE	
B) the current price (or closing price) of a NYSE stock	
C) the entire set of stocks that are traded on the NYSE	
D) the 500 NYSE stocks that current prices were collected from	
25) As part of an economics class project, students were asked to randomly select 500 New York Stock	25)
Exchange (NYSE) stocks from the Wall Street Journal. As part of the project, students were asked to summarize the current prices (also referred to as the closing price of the stock for a particular	
trading date) of the collected stocks using graphical and numerical techniques. Identify the	
experimental unit of interest for this study.	
A) the current price (or closing price) of a NYSE stock	
B) the entire set of stocks that are traded on the NYSE	
C) the 500 NYSE stocks that current prices were collected from	
D) a single stock traded on the NYSE	

	26) As part of an economics class project, students were asked to randomly select 500 New Your Stock	26)	
	Exchange (NYSE) stocks from the Wall Street Journal. As part of the project, students were asked to	_	
	summarize the current prices (also referred to as the closing price of the stock for a particular		
	trading date) of the collected stocks using graphical and numerical techniques. Identify the variable	<u>;</u>	
	of interest for this study.		
	A) the 500 NYSE stocks that current prices were collected from		
	B) the entire set of stocks that are traded on the NYSE		
	C) the current price (or closing price) of a NYSE stock		
	D) a single stock traded on the NYSE		
	b) a single stock traded on the NTSE		
	27) A study in the state of Georgia was conducted to determine the percentage of all community	27) _	
	college students who have taken at least one online class. 1500 community college students were		
	contacted and asked if they had taken at least one online class during their time at their community		
	college. These responses were then used to estimate the percentage of all community college		
	students who have taken at least one online class. Identify the population of interest in this study.		
	A) all community college students in the state of Georgia		
	B) the number of online classes a student has taken		
	C) the response (Yes/No) to the question, "Have you taken at least one online class?"		
	D) the 1500 community college students contacted		
	b) the 1000 community conege stadents contacted		
	20) A study in the state of Coordia was conducted to determine the percentage of all community	20)	
	28) A study in the state of Georgia was conducted to determine the percentage of all community	28) _	
	college students who have taken at least one online class. 1500 community college students were		
	contacted and asked if they had taken at least one online class during their time at their community		
	college. These responses were then used to estimate the percentage of all community college		
	students who have taken at least one online class. Identify the variable of interest in this study.		
	A) the number of online classes a student has taken		
	B) the response (Yes/No) to the question, "Have you taken at least one online class?"		
	C) all community college students in the state of Georgia		
	D) the 1500 community college students contacted		
	29) Which of the following is not typically an element of inferential statistical problems?	29)	
	A) census B) measure of reliability	<b>'</b> -	
	C) variable of interest D) sample		
	b) sample		
CLIO	DT ANCIA/FD. Muits the word or physics that heat compulates each statement or anciacra the avestion		
SHO	RT ANSWER. Write the word or phrase that best completes each statement or answers the question.		
	30) Parking at a university has become a problem. University administrators are interested in 30)		
	determining the average time it takes a student to find a parking spot. An administrator		
	inconspicuously followed 110 students and recorded how long it took each of them to find		
	a parking spot. Identify the population, sample, and variable of interest to the		
	administrators.		
	autilitisti ators.		
	31) A quality inspector tested 33 copiers in an attempt to estimate the average failure rate of 31)		
	the copier model. His study indicated that the number of failures decreased from two years		
	ago, indicating an increase in the reliability of the copiers. Describe the variable of interest		
	to the inspector.		
	32) A high school guidance counselor analyzed data from a sample of 300 community colleges 32)		
	throughout the United States. One of his goals was to estimate the annual tuition costs of		
	community colleges in the United States. Describe the population and variable of interest		
	to the guidance counselor.		

	33) Explain why it is not necessary to provide a measure rather than a sample.	e of reliability when a census is used	33)
ML	LTIPLE CHOICE. Choose the one alternative that best co	ompletes the statement or answers the q	uestion.
Ans	wer the question True or False.		
	34) A variable is a characteristic or property of a popula	ation.	34)
	A) True	B) False	
	35) Measurement is the process of assigning numbers to	variables of individual population units	. 35)
	A) True	B) False	,
	36) A census is feasible when the population of interest	is small.	36)
	A) True	B) False	,
	37) The process of using information from a sample to n	nake generalizations about the larger	37)
	population is called statistical inference.		·
	A) True	B) False	
	38) A measure of reliability is an important element of a	descriptive statistical problem.	38)
	A) True	B) False	
Sol	ve the problem.		
	39) When we study a process, what is generally the focu	is?	39)
	A) the input	B) the subprocesses	
	C) the black box	D) the output	
	40) In the context of processes, what is a sample?		40)
	A) any subset of the population	B) any set of output	
	C) any set of subprocesses	D) any set of input	
SH	ORT ANSWER. Write the word or phrase that best compl	etes each statement or answers the ques	stion.
	41) What do we call a process whose operations are unk	nown or unspecified?	41)
	42) A chain of coffee shops has 45 stores in one metropo	litan area. For liability reasons, the	42)
	chain is interested in the average temperature of hot		
	stores were chosen and the temperature of every fift	h hot drink served at each of these	
	stores was recorded during a two-week period. At t		
	temperatures of 10,571 hot drinks had been recorded	<b>1</b> .	
	a. Identify the process of interest.		
	b. Identify the variable of interest.		
	<ul><li>c. Describe the sample.</li><li>d. Describe the inference of interest.</li></ul>		
	a. Dood No tho mile of the Of Interest.		

· · · · · · · · · · · · · · · · · · ·	er orders through its call center and website. These 43)	
<u> </u>	received in the stores are forwarded to a distribution on the orders from inventory, pack the items, and	
	r the shipping company that will pick the orders up	
	n order to monitor the subprocess of pulling the items be order is checked to determine whether the worker	
has pulled the correct item.	le of der is checked to determine whether the worker	
riao pariosa uro con con norm		
a. Identify the process of interest.		
<ul><li>b. Identify the variable of interest.</li><li>c. Describe the sample.</li></ul>		
<ul><li>c. Describe the sample.</li><li>d. Describe the inference of interest</li></ul>	t.	
MULTIPLE CHOICE. Choose the one alterna	itive that best completes the statement or answers the question.	
	today's youth is of primary concern to Parents Against	44)
	arents of elementary school-aged children were asked to	
collected by PAWT.	eek that their child watches television. Identify the type of data	
A) qualitative	B) quantitative	
•	ords the colors of automobiles on a used car lot. Identify the	45)
type of data collected.  A) quantitative	B) qualitative	
Ay quantitative	b) quantative	
46) A postal worker counts the number	of complaint letters received by the United States Postal Service	46)
in a given day. Identify the type of d		
A) quantitative	B) qualitative	
47) An usher records the number of uno	occupied seats in a movie theater during each viewing of a film.	47)
Identify the type of data collected.		-
A) quantitative	B) qualitative	
48) A fan observes the numbers on the s	hirts of a girl's soccer team. Identify the type of data collected.	48)
A) quantitative	B) qualitative	<del></del>
	ome a very big problem. University administrators are	49)
	e parking time (e.g. the time it takes a student to find a parking or inconspicuously followed 250 students and carefully	
	type of variable is the administration interested in collecting?	
A) qualitative data	B) quantitative data	
	t, students were asked to randomly select 500 New York Stock	50)
=	all Street Journal. As part of the project, students were asked to eferred to as the closing price of the stock for a particular	
•	using graphical and numerical techniques. What type of	
variable is being collected?		
A) qualitative data	B) quantitative data	

51) A study in the state of Geo college students who have contacted and asked if the college. These responses v students who have taken a A) quantitative data	e taken at least one onli y had taken at least on vere then used to estim	ne class. 1500 community e online class during their ate the percentage of all c	college students were time at their community ommunity college	51)	
52) Which data about painting A) the style	gs would <i>not</i> be qualita B) the artist	tive? C) the value	D) the theme	52) _	
SHORT ANSWER. Write the word	or phrase that best co	mpletes each statement o	r answers the question.		
53) Gender is one variable of i data entry purposes, the re Female. Is the gender data	esearcher conducting t	he study assigns 1 for Mal			
MULTIPLE CHOICE. Choose the o	one alternative that bes	st completes the statemer	t or answers the question		
54) The amount of television v	viewed by today's yout	h is of primary concern to	Parents Against	54)	
Watching Television (PAV estimate the number of howere collected in this stud A) from a published south	ours per week that their	9	Identify how the data		
55) A personnel director studi whether employees broug eat lunch. This type of dat	ht their own lunch to v	vork, ate at the company o		55) _	
A) designed experimen		B) observational stu	ıdy		
56) A student worked on her state the median family income collected	• •	_		56) _	
A) from a survey C) from a designed exp	eriment	B) from a published D) observationally	l source		
57) What method of data colle to 60 patients and a placeb a patient's illness?				57) _	
A) designed experimen	t	B) published source			
C) survey		D) observational stu	ıdy		
58) What method of data colle			vhere a political pollster	58) _	
wishes to determine if his  A) observational study	candidate is leading in	i the polls?  B) designed experii	ment		
C) survey		D) published source			

<ul> <li>59) Parking at a large university has become a very big printerested in determining the average parking time (e. spot) of its students. An administrator inconspicuously recorded their parking times. Identify the data collectionstudy.</li> <li>A) data from a published source</li> <li>B) data collected observationally</li> <li>C) data from a designed experiment</li> </ul>	g. the time it takes a student to find a parking y followed 250 students and carefully	59)
<ul> <li>60) As part of an economics class project, students were as Exchange (NYSE) stocks from the Wall Street Journal. summarize the current prices (also referred to as the classical trading date) of the collected stocks using graphical ar collection method used in this study.</li> <li>A) data collected observationally</li> <li>B) data from a designed experiment</li> <li>C) data from a published source</li> </ul>	As part of the project, students were asked to osing price of the stock for a particular	60)
<ul> <li>61) Does online teaching help or hinder student learning? teacher decided to teach his three sections of a particular a traditional face-to-face section, a completely online that incorporated both a face-to-face and online comprandomly assigned to the different sections, taught ideaching formats, and given identical examinations to identify if the teaching method used affected student I collection method used in this study.</li> <li>A) data collected observationally</li> <li>B) data from a published source</li> <li>C) data from a designed experiment</li> </ul>	lar class using three different teaching models e section, and a hybrid or blended section conent in the section. Students were entical information using the different measure student learning. The goal was to	61)
SHORT ANSWER. Write the word or phrase that best complet	es each statement or answers the question.	
62) What is meant by a representative sample?	62)	
63) What is the most common way to satisfy the represent	ative sample requirement? 63)	
64) Three female students and two male students are to be students and 20 male students. Does this sample of fiv be a random sample of the 50 students in the group? E	e students satisfy the conditions to	
MULTIPLE CHOICE. Choose the one alternative that best com-	npletes the statement or answers the question.	
Answer the question True or False.		(5)
<ul><li>65) In an observational study, the researcher exerts strict of A) True</li></ul>	ontrol over the units in the study.  B) False	65)
66) When using data from a published source, it is not impand whether randomization was used.	portant to know how the data were collected	66)
A) True	B) False	

SHORT A	ANSWER. Write the word or phrase	that best completes each stateme	ent or answers the quest	ion.
	problem. In one study of the moral of compar			67)
	from each of the departments within	n the company. Identify the samp	ling design used.	
68)	In an attempt to determine the ages who entered the store his or her age		=	68)
69)	What term is used to describe the sit not produce sample observations?	tuation where sampling units con	tained in a sample do	69)
70)	What is meant by selection bias?			70)
MULTIPI	_E CHOICE. Choose the one alterna	ative that best completes the state	ement or answers the qu	estion.
71)	Which type of problem has occurred A) selection bias	d when inaccuracies exist in the va B) measurement error	alues of the data recorded C) nonresponse bias	d? 71)
72)	A watchdog group is investigating I	now people are treated during the	e foreclosure process. Sur	veys 72)
	were mailed to a random sample of 75 of the surveys were returned by the and left performed by the same left performed by the sam	he postal service because the inte		
	and left no forwarding address. Wh A) measurement error	B) nonresponse bias	C) selection bias	
73)	A university was interested in stude and less on academic scholarships. 3 occurred?			· · · · <u></u>
	A) nonresponse bias	B) measurement error	C) selection bias	
74)	The way in which an interviewer as respondents to answer that they have has occurred?			74) em
	A) selection bias	B) measurement error	C) nonresponse bias	
75)	A student completing a research prodetermining automobile speeds and over a period of several hours. The safter two hours of use and that the sproblem has occurred?	recorded the speeds of automobi student was unaware that the dev	les passing a fixed location ice needed to be recharge	ed
	A) measurement error	B) nonresponse bias	C) selection bias	
76)	Because of the possible legal conseq not to participate in a survey regard A) nonresponse bias	<b>3</b> 1 1		nose 76)

	everyone in the school ample t learned after the surveys had b an all-day field trip and away	collection, the homeroom period ime to respond to a short question	was extended 30 minutes to allow naire. Unfortunately, it was dents in the middle school were on	77)
	A) nonresponse bias	B) measurement error	C) selection bias	
	households, but only 1075 were	was selected and surveys were m	ailed to the randomly selected data from the 425 households that	78)
SHOI	RT ANSWER. Write the word or p	hrase that best completes each sta	atement or answers the question.	
	79) Define business analytics.		79) _	
	80) Define statistical thinking.		80) _	
	81) Give an example of unethical s	tatistical practice.	81) _	
	<b>9.</b>	Fact: Past studies have shown that o possibly reduce the risk of many	some ingredients in the	
MUL	FIPLE CHOICE. Choose the one a	Iternative that best completes the	statement or answers the question	٦.
	actual weight. Which statemen A) Measurement error has o B) Measurement error has n practice.	ng a scale that she had set to give to best describes this situation? ccurred, and the researcher is guil ot occurred, but the researcher is occurred, but the researcher is not occurred.	weights 2.5 kilograms less than the ty of unethical statistical practice. guilty of unethical statistical guilty of unethical statistical	83)

Answer Key
Testname: UNTITLED1

1)	Λ	
		he science of data that involves collecting, classifying, summarizing, organizing, analyzing, and
-,		numerical information.
3)		
4)		
5)		
6)	Α	
7)	В	
8)	В	
9)	Descriptive:	21% of the students sampled (or 630) read at least one best-seller each month.
	Inferential:	Based on the survey, we estimate that about 21% of all high school
		students read at least one best-seller each month.
10)	В	
11)		
12)		
13)	D	
14)	В	
15)		
16)		
17)		
18)		
19)		
20)		
21) 22)		
23)		
24)		
25)		
26)		
27)		
28)		
29)		
30)	The populat	ion of interest are all students at the university who park. The sample is the parking times of the 110
		t were collected by the university administrator. The variable of interest to the administrators is the
	parking time	
		of interest to the researcher is the failure rate of the copiers.
32)		ion of interest to the guidance counselor is all community colleges in the United States. The variable of
•		e annual tuition cost of the community college.
		sus is used, there should be no error.
34)		
35)		
36) 37)		
38)		
39)		
40)		
	a black box	
,		

## Answer Key

Testname: UNTITLED1

inferences.

42)		serving of hot drinks at coffee shops in the chain
	b.	temperature of hot drinks served
	C.	10,571 drinks whose temperatures recorded over the two-week period
	d.	average temperature of all hot drinks served at all stores in the chain
43)	a.	fulfilling customers' orders from receiving the order to pick up by shipping company
	b.	whether or not an order has been pulled correctly
	C.	the set of all orders that are checked (one every 15 minutes)
	d.	number or proportion of all orders that are pulled correctly (incorrectly)
44)	В	
45)		
46)		
47)		
48)		
49)		
50)		
51)		
52)		alitative. The numbers are arbitrarily calcated numerical codes for the estagories and have no utility beyond that
		alitative; The numbers are arbitrarily selected numerical codes for the categories and have no utility beyond that.
54)		
55)		
56)		
57)		
58)		
59)		
60)		
61)		
		ample that exhibits characteristics typical of those possessed by the population of interest
		ecting a random sample
64)		; not every sample of 5 students from the group has an equal chance of selection; for example, a sample consisting of
	5 m	nales has no chance of being selected.
65)	В	
66)	В	
67)	stra	atified random sampling
68)	sys	tematic sampling
69)	nor	nresponse
70)	Sel	ection bias is when a subset of the experimental units in the population is excluded so that these units have no
	pos	ssibility of being selected in the sample.
71)	•	
72)		
73)		
74)		
75)		
76)		
77)		
78)		
		siness analytics refers to methodologies (e.g., statistical methods) that extract
17)		ful information from data in order to make better business decisions.
۵U)		tistical thinking involves applying rational thought and the science of statistics to critically assess data and make
00)	Jid	astical transfers of the state of the control of the control of the state of statistics to critically assess data and make

81) Researchers select a biased sample, with the intention of misleading the public.

## Answer Key

Testname: UNTITLED1

- 82) Answers may vary. One possible answer is that the past studies show that the ingredients only have possible cancer reducing effects on many, not all, types of cancer.
- 83) A