Started on	Thursday, July 16, 2020, 7:02 PM	
State	Finished	
Completed on	Thursday, July 16, 2020, 9:00 PM	
Time taken	1 hour 58 mins	
Grade	<b>29.00</b> out of 29.00 ( <b>100</b> %)	
Question <b>1</b>	This first question must be answered for you to get credit for this exam.	
Complete Not graded	I certify that I am taking this exam independently and that I have not received nor given unauthorized on this exam, which would be a violation of the Academic Integrity Policy and subject to the penalties described on the syllabus. By clicking "true," I affirm that I am an honest student who completed this with integrity.	help exam
	Select one:	
	<ul> <li>True</li> </ul>	
	○ False	
Question 2 Correct 1.00 points out	Consider an experiment that has an uncertain numericaloutcome. When the experiment is repeated n times, the long-run average of the numerical outcomes of the experiment is called the	nany 
of 1.00	a. variance	
	<ul> <li>b. mean</li> </ul>	~
	○ <sup>c.</sup> bias	
	O d. standard deviation	
	○ <sup>e.</sup> range	
Question 3 Correct	is the most critical step of the decision-making process.	
1.00 points out	Select one:	
of 1.00	• a. Identifying and defining the problem	<
	<b>b.</b> Evaluating the alternatives	
	• c. Determining the set of alternatives	
	O d. Choosing an alternative	
Question <b>4</b>	In the spectrum of business analytics, which is the most complex?	
Correct		
1.00 points out	Select one:	
( 4 00	O a. Operational	
of 1.00		

- c. Predictive Od. Descriptive Question 5 When working with large spreadsheets with many rows of data, it can be helpful to \_\_\_\_\_\_ the data to better find, view, or manage subsets of data. Correct 1.00 points out Select one: of 1.00 O a. chart ○ b. split ○ **c.** manipulate I d. sort and filter Question 6 The most frequently occurring outcome is called the \_\_\_\_\_ Correct Select one: 1.00 points out a. mode of 1.00 b. standard deviation 🔾 c. mean Od. median e. expected value Question 7 The relative frequency of a class is computed by . Correct Select one: 1.00 points out • a. dividing the frequency of the class by the midpoint of 1.00 ○ b. dividing the midpoint of the class by the sample size • c. dividing the frequency of the class by the sample size ○ **d.** dividing the sample size by the frequency of the class Question 8 For any data set, which measures of central location have only one value? Correct Select one: 1.00 points out a. Mean and median of 1.00 b. Mode and median c. Mode and standard deviation d. Mode and mean Question 9 Corporate-level managers use \_\_\_\_\_ to summarize sales by region, current inventory levels, and other company-wide metrics all in a single screen. Correct 1.00 points out Select one: of 1.00 • a. data dashboards ○ **b.** tables
  - o c crosstabulation

https://www.rjerz.com/moodle/mod/quiz/review.php?attempt=117218&cmid=7021

	O d. simulations		
Question 10	Your height and weight are examples of which	level of measurement?	
Correct	Selectore		
1.00 points out	a Ratio		~
81 1.00	b Interval		·
	<ul> <li>d. Ordinal</li> </ul>		
Question 11 Correct	Quartiles divide a distribution into	·	
1.00 points out	Select one:		
of 1.00	a. 4 equal parts		~
	<ul> <li>b. 2 equal parts</li> </ul>		
	🔘 c. 10 equal parts		
	🔿 d. 100 equal parts		
Question 12	Below is the data for the number of days that it took	Wyche Accounting to perform audits in the last quarter of last ye	ear.
Correct			
1.00 points out of 1.00	56, 42, 37, 29, 45, 51, 30, 25, 34, 57		
	What is the median number of days that it took Wych	e Accounting to perform audits in the last quarter of last year?	
	Select one:		
	<b>a.</b> 40.6		
	• b. 39.5		~
	<b>c</b> . 41		
	<b>d</b> . 42		
Question 13	The net annual sales of a sample of small retain	il clothing stores were organized into the following relat	ive
Correct	frequency distribution.	······································	
1.00 points out			
of 1.00	Net Sales (in \$ millions) Perce	nt of Total	
·	1 up to 4	13	
	4 up to 7	14	
	7 up to 10	40	
	10 up to 13	23	
	13 or more	10	
	What is the mean net sales (in \$ millions)?		
	Select one:		
	🔘 a. \$7.09		

(Topics 1-6): Atten	apt review	2/12/21,
	• b. Mean cannot be computed.	~
	⊂ c. \$10.09	
	○ d. \$8.59	
Question 14	In a sample of 10 people, 3 persons earn \$8 an hour, 6 earn \$9 an hour, and 1 earns \$12 an hour. The weighted mean hourly wage is \$9.	
1.00 points out		
of 1.00	Select one:	
	⊙ True ✓	
	○ False	
Question 15		
Correct	You flip a fair coin, with value 1 for Heads and value 0 for Tails. What is the expected value?	
1.00 points out	Select one:	
of 1.00	○ a. 0.25	
	○ b. 0	
	○ c. 0.75	
	• d. 0.5	~
	○ e. 1	
Question 16	A sample of 13 adult males' heights are listed below.	
Correct		
1.00 points out of 1.00	70, 72, 71, 70, 69, 73, 69, 68, 70, 71, 67, 71, 74	
	Find the range of the data.	
	Select one:	
	<b>a.</b> 5	
	<b>b.</b> 6.5	
	○ c. 4	
	• d. 7	~
Question 17		
Correct	A sample of 15 adult males neights are listed below.	
1.00 points out of 1.00	70, 72, 71, 70, 69, 73, 69, 68, 70, 71, 67, 71, 74	
	Find the range of the data.	
	Select one:	
	<b>a.</b> 6.5	
	<b>b.</b> 4	
	<b>c.</b> 5	
	d. 7	~

1

Question 18	A stockbroker placed the following order for a custome
Correct	EQ shares of Kaisar Aluminum at \$10.4 a share
1.00 points out	<ul> <li>50 shares of Kaiser Aluminum at \$104 a share</li> <li>100 shares of GTE at \$25.25 a share</li> </ul>
of 1.00	<ul> <li>20 shares of Boston Edison at \$9.125 a share</li> </ul>
	What is the weighted arithmetic mean price per share?
	Select one:

(0)	a.	\$46.	51
	u.	$\psi = 0$ .	

**---** ,

- ob. \$25.25
- oc. \$103.50
- 🔾 d. \$79.75

Question 19

Correct

1.00 points out of 1.00

The following is the frequency distribution for the speeds of a sample of automobiles traveling on an interstate highway.

Speed (mph)	Frequency
50-54	2
55-59	4
60-64	5
65–69	10
70-74	9
75–79	_5
	35

Refer to Exhibit 3-4. The mean is \_\_\_\_\_.

## Select one:

- **a.** 35
- b. 670
- **c.** 10
- **d.** 67

~

## Question 20 Correct 1.00 points out of 1.00

## Exhibit 12-1

Individuals in a random sample of 150 were asked whether they supported capital punishment. The following information was obtained.

Do You Support	Number of	
Capital Punishment?	Individuals	
Yes	40	
No	60	
No Opinion	50	

We are interested in determining whether the opinions of the individuals (as to Yes. No. and No. Opinion) are uniformly

	distributed.
	Refer to Exhibit 12-1. If the opinions are uniformly distributed, the expected frequency for each group would be
	Select one:
	<b>a.</b> .333
	<b>b.</b> 1/3
	<b>c.</b> .50
	Image: ● ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
Question 21 Correct	The times (in minutes) that several underwriters took to review applications for similar insurance coverage are 50, 230, 52, and 57. What is the median length of time required to review an application?
1.00 points out	Select one:
of 1.00	<ul> <li> <ul> <li>■ a. 54.5</li> <li>✓</li> </ul> </li> </ul>
	○ b. 97.25
	○ c. 109.0
	⊂ d. 141.0
Question 22 Correct 1.00 points out of 1.00	If you do not see the exact answer, pick the closest answer. Assume that the following test grades represent <u>continuous data</u> , and that the test grades are <u>normally</u> <u>distributed</u> and that they represents <u>population data</u> . <u>71 88 91</u> <u>76 88 93</u> <u>77.5 88 95.5</u> <u>79 89.5 98.5</u>
	Use this data to answer the following questions. What is the <b>mean</b> ?
	<ul> <li>a. 82.33</li> <li>b. 71.00</li> <li>c. 86.89</li> <li>d. 92.47</li> </ul>

Exam1 (Topics 1-6): Attempt review

	What is the <b>maximum</b> value?	
Correct		
1.00 points out		
of 1.00	0 6.83.0	
	• c. 98.5	~
	o d. 93.00	
Question 24	What is the <b>median</b> ?	
1.00 points out	◯ a. 83.0	
of 1.00	• b. 88	~
	o c. 82.3	
	o d. 86.9	
1		
Question 25	What is the <b>mode</b> ?	
Correct		
1.00 points out	○ a. 83	
of 1.00	O b. 93	
	c. 88 and 91	
	⊙ d. 88	~
	e. 76, 88, 89.5, and 91	
Question 26	What is the Standard Doviation?	
Correct	<ul> <li>○ a. 27.50</li> </ul>	
Correct 1.00 points out of 1.00	<ul> <li>○ a. 27.50</li> <li>○ b. 7.15</li> </ul>	~
Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> </ul>	~
Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul>	~
Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul>	~
Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul>	~
Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile?	~
Correct 1.00 points out of 1.00 Question 27 Correct	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile?	~
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 70.00</li> </ul>	~
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 90.00</li> </ul>	~
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 52.00</li> </ul>	*
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> </ul>	*
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul>	*
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul>	*
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul> What is the Mean Deviation?	•
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28 Correct	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul> What is the Mean Deviation?	•
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28 Correct 1.00 points out	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul> What is the Mean Deviation? <ul> <li>a. 3.95</li> </ul>	•
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul> What is the Mean Deviation? <ul> <li>a. 3.95</li> <li>b. 5.69</li> </ul>	•
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28 Correct 1.00 points out of 1.00	<ul> <li>a. 27.50</li> <li>b. 7.15</li> <li>c. 3.95</li> <li>d. 5.69</li> </ul> What is the 25th percentile? <ul> <li>a. 71.00</li> <li>b. 79.00</li> <li>c. 82.00</li> <li>d. 74.00</li> <li>e. 91</li> </ul> What is the Mean Deviation? <ul> <li>a. 3.95</li> <li>b. 5.69</li> <li>c. 27.50</li> </ul>	•
Correct 1.00 points out of 1.00 Question 27 Correct 1.00 points out of 1.00 Question 28 Correct 1.00 points out of 1.00	a. 27.50         b. 7.15         c. 3.95         d. 5.69         What is the 25th percentile?         a. 71.00         b. 79.00         c. 82.00         d. 74.00         e. 91         What is the Mean Deviation?         a. 3.95         b. 5.69         c. 27.50         d. 7.4	•

Question <b>29</b>	What is the <b>minimum</b> value?
Correct	
.00 points out	0 a. 82.33
of 1.00	0 b. 98.5
	0 d. 83.00
Question <b>30</b>	What is the <b>range</b> ?
	○ a. 86.9
f 1.00	○ b. 71.0
	○ d. 22.0
Information	
	For this problem, you will need to upload your Excel file showing your work and answering the questions below. You will see an "Upload your Exam1 DATAFile Excel File" in Moodle, right below this Exam. This problem is worth 10 points.
	Using this <u>Real Estate DATAFile</u> , and the Price column, create and do the following:
	1) Create an appropriate frequency table.
	2) Create an appropriate frequency chart.
	Answer these questions in a new worksheet in your Excel file:
	3) At the 5% level of significance, what is the p-value for testing that this distribution is "uniform."
	4) At the 5% level of significance, what is your conclusion about whether you will reject or not reject the null hypothesis that these home prices are the same (i.e., uniform?) Explain your rationale.
	5) At the 5% level of significance, what is the p-value for testing that this distribution is "normally distributed?"
	6) At the 5% level of significance, what is your conclusion about whether you will reject or not reject the null hypothesis that these home prices are normally distributed? Explain your rationale.
	In your submitted file, it is always best to show as much of your work as possible.