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Courses » Business Statistics

Announcements

Course

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Unit 4 - Week 3

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Course outline

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Week 1

Week 2

Week 3

- Lesson-11 Numerical Descriptive Measures
- Lesson-12 Covariance and Coefficient of Correlation, Introduction to Probability
- Lesson-13 Probability- Part 1
- Lesson-14 Probability- Part 2
- Lesson-15 Probability- Part 3
- Quiz : Assignment 3
- Solution

Week 4

Assignment 3

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-20, 23:59 IST.**

1) 1. Approximately what % age of the data lies within three standard deviations of the mean in a bell shaped curve? **1 point**

- a) 50%
- b) 68.27%
- c) 95.45%
- d) 99.73%

No, the answer is incorrect.

Score: 0

Accepted Answers:

d) 99.73%

2) 2. According to Chebyshev's rule, what % age of values will fall within 3 standard deviations of the mean? **1 point**

- a) 54%
- b) 75%
- c) 89%
- d) 96%

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) 89%

3) 3. For ranked data, the position of the second quartile can be determined through which of the following? **1 point**

- a) $(n+1)/4$ ranked value

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Week 8	ce De	<i>b) $(n+1)/2$ ranked value</i>	
Week 9		4) 4. A value is considered as outlier if it is more than times the interquartile range below Q1 or above Q2. 1 point	
Week 10		<input type="radio"/> a) 0.5	
Week 11		<input type="radio"/> b) 1	
Week 12		<input type="radio"/> c) 1.5	
DOWNLOAD VIDEOS		<input type="radio"/> d) 2	
Text Transcripts		No, the answer is incorrect. Score: 0 Accepted Answers: <i>c) 1.5</i>	
Interaction Session		5) 5. If covariance of two variables X and Y is < 0 . What does it imply? 1 point	
		<input type="radio"/> a) X and Y tend to move in the same direction	
		<input type="radio"/> b) X and Y tend to move in opposite direction	
		<input type="radio"/> c) X and Y are independent	
		<input type="radio"/> d) None of the above	
	No, the answer is incorrect. Score: 0 Accepted Answers: <i>b) X and Y tend to move in opposite direction</i>		
	6) 6. What is the probability of obtaining total 5 in rolling of the two dice? 1 point		
	<input type="radio"/> a) 0		
	<input type="radio"/> b) $1/36$		
	<input type="radio"/> c) $4/36$		
	<input type="radio"/> d) $5/36$		
	No, the answer is incorrect. Score: 0 Accepted Answers: <i>c) $4/36$</i>		
	7) 7. According to a survey the probability that a family owns two cars if its annual income is greater than \$35,000 is 0.75 of the households surveyed, 60 percent had incomes over \$35,000 and 52 percent had two cars. What is the probability that a family has two cars an income over \$35,000 a year? 1 point		
	<input type="radio"/> a) 0.25		
	<input type="radio"/> b) 0.32		
	<input type="radio"/> c) 0.38		
	<input type="radio"/> d) 0.45		
	No, the answer is incorrect. Score: 0 Accepted Answers: <i>d) 0.45</i>		
	8) 8. In a throw of coin what is the probability of getting head? 1 point		

- a) 1
- b) 2
- c) $\frac{1}{2}$
- d) 0

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) $\frac{1}{2}$

9) 9. Two unbiased coins are tossed. What is the probability of getting at most one **1 point** tail?

- a) $\frac{1}{2}$
- b) $\frac{1}{3}$
- c) $\frac{3}{2}$
- d) $\frac{3}{4}$

No, the answer is incorrect.

Score: 0

Accepted Answers:

d) $\frac{3}{4}$

10) 10. What is the probability of getting a sum of 9 from two throws of dice? **1 point**

- a) $\frac{1}{3}$
- b) $\frac{1}{9}$
- c) $\frac{1}{12}$
- d) $\frac{2}{9}$

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) $\frac{1}{9}$

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