Assignment 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

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

   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?

   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?

   a) (n+1)/4 ranked value

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   a) (n+1)/4 ranked value
4. A value is considered as outlier if it is more than \[(n+1)/2\] ranked value

a) 0.5
b) 1
c) 1.5
d) 2

No, the answer is incorrect.
Score: 0
Accepted Answers:
c) 1.5

5. If covariance of two variables X and Y is < 0. What does it implies?

a) X and Y tend to move in the same direction
b) X and Y tend to move in opposite direction
c) X and Y are independent
d) None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) X and Y tend to move in opposite direction

6. What is the probability of obtaining total 5 in rolling of the two dice?

a) 0
b) 1/36
c) 4/36
d) 5/36

No, the answer is incorrect.
Score: 0
Accepted Answers:
c) 4/36

7. According to a survey the probability that a family owns two cars if it’s 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?

a) 0.25
b) 0.32
c) 0.38
d) 0.45

No, the answer is incorrect.
Score: 0
Accepted Answers:
d) 0.45

8. In a throw of coin what is the probability of getting head?
9. Two unbiased coins are tossed. What is the probability of getting at most one tail?

a) ½  
b) 1/3  
c) 3/2  
d) ¾

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
c) ½

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

a) 1/3  
b) 1/9  
c) 1/12  
d) 2/9

No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
b) 1/9