Quiz 3

Due Mar 12 at 23:59 **Points** 5 **Questions** 10
Available Mar 11 at 18:00 - Mar 12 at 23:59 **Time Limit** 60 Minutes

Instructions

Quiz 3 is scheduled from 11th March 2023, 6:00 pm to 12th March 2023, 11:59 pm.

- Number of questions - 10
- Each question carries 0.5 M
- Time duration - 1 Hour
- Read the question properly and answer.

All the best!!!!

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	16 minutes	5 out of 5

Correct answers will be available on Mar 13 at 18:00.

Score for this quiz: **5** out of 5
Submitted Mar 12 at 19:28
This attempt took 16 minutes.

Question 1 — 0.5 / 0.5 pts

What is the median?

- (selected) Value separating higher high from lower half of a data sample
- Mean of the highest and lowest number in a data sample
- Difference between higher half and lower half of the data set

- Difference between the highest and lowest number

Question 2

0.5 / 0.5 pts

A die is thrown once. What is the probability that the score is a factor of 12?

- 3/6
- 5/6
- 2/6
- 4/6

Question 3

0.5 / 0.5 pts

25% of the children in a school have a dog.60% have a cat and 15 % have a dog and a cat. What is the probability of those who have a dog also have a cat?

- 4/5
- 1/5
- 3/5
- 2/5

Question 4

0.5 / 0.5 pts

If X follows a binomial distribution B(n, 0.2). If E(X) = 5 then the sample size n is ----- and V(X) is ------

- n = 25 and V(X) = 5
- n = 20 and V(X) = 4
- n = 15 and V(X) = 4
- n = 25 and V(X) = 4

Question 5

0.5 / 0.5 pts

Consider a Poisson distribution for the tossing of an unbiased coin. The mean of the distribution is μ. The standard deviation of for this distribution is given by

- μ
- μ^2
- $\sqrt{\mu}$
- $\frac{1}{\mu}$

Question 6

0.5 / 0.5 pts

The joint cumulative distribution function F(x,y) lies with in the limits

- $-\infty$ and 0
- -1 and 0
- (selected) 0 and 1
- -1 and 1

Question 7

0.5 / 0.5 pts

For a standard normal variate, the value of mean is

- infinite
- None of these
- (selected) 0
- 1

Question 8

0.5 / 0.5 pts

If the size of the sample is 25 and maximum error with 95% confidence is 0.1, then the standard deviation of the sample is

- 2.12
- (selected) 0.255
- 2.55

- 0.025

Question 9

0.5 / 0.5 pts

The difference between value of parameter of population and value of unbiased estimator point is classified as

- Marginal error
- Sampling error
- Population error
- Confidence error

Question 10

0.5 / 0.5 pts

1. If we accept a Null hypothesis, when it is false then this is an error of type _____

- BOTH
- I
- Can't be determined
- II

Quiz Score: **5** out of 5