

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
2	If x and y are independent random variables, then $E(xy)$	A. $E(xy)$ B. $xE(y)$ C. $E(x)$ D. $E(x)E(y)$
3	If the random variable x denotes the number of heads when three distinct coins are tossed, the x assumes values	A. 0, 1, 2, 3 B. 1, 3, 3, 1 C. 1, 2, 3 D. None of these
4	Question Image	A. 4/10 B. 2/10 C. 1/10 D. 0
5	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
6	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. All of them
7	Question Image	A. 8 B. 0 C. 1/8 D. 3
8	For a constant k, the variance of k is	A. zero B. k^2 C. k D. none of these
9	$E(y-\mu)$ is equal to	A. $E(y)$ B. μ C. zero D. $y-\mu$
10	If a is a constant then $E(a)$ is equal to	A. a B. Square of a C. Zero D. 2a
11	Probability distribution of a continuous random variable can be presented by	A. tabular form B. Formula C. Curve D. None of these
12	$Var(3x + 2)$	A. $3 Var(X) + 2$ B. $3 Var X$ C. $9 var(x) + 2$ D. $9 var(x)$
13	The probability of a continuous random variable at $x = a$ is -----	A. One B. Zero C. Between 0 and 1 D. More than one
14	The probability distribution of discrete random variable is called is	A. Frequency distribution B. Probability distribution

C. Probability mass function
D. Both (a) and (b)

15 The simplest form of the continues distribution is the

- A. Skewed distribution
- B. Kurtic distribution
- C. Binomial distribution
- D. Uniform distribution

16 Variance σ^2 is equal to $E(y^2) - \dots$

- A. $E(y)$
- B. $[E(y)]^2$
- C. $E(y^2)$
- D. $E^2(y)$

17 Question Image

- A. $y_1 = y_2$
- B. $y_1 > y_2$
- C. $y_1 < y_2$
- D. None of these