

Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
2	A fair die is rolled three times. The probability of getting three "aces" is	A. 1/3 B. 1/6
3	If $E(X) = E$ than find arithmetic means will be.	A. 1 B. 4 C. 0 D. 8
4	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater than variance D. None of the these
5	In binomial distribution, the random variable has a range:	A. 0, 1, 2, n B. 0, 1, 2, +∞ C. -∞ to +∞ D. ∞ to +0
6	If the random variable X denotes the number of heads when three distinct coins are tossed, then X assumes the value.	A. 0, 1, 2, 3 B. 1, 3, 3, 1 C. 1, 2, 3 D. None of these
7	The parameters of hypergeometric distribution are:	A. n, k & p B. n, k & q C. n, p & q D. n, k & N
8	In hypergeometric distribution, the successive trials are.	A. Dependent B. Independent C. Both (A) & (B) D. None of these
9	The expected value of a discrete random variable is.	A. Always an integer B. Always one of the values that the random variable can assume C. An interval of values D. None of these
10	In binomial experiment successive trials are:	A. Dependent B. Independent C. May be independent or dependent D. None of these
11	The probability that a continuous random variable 'x' takes on specific value of x is.	A. Greater than zero B. Less than zero C. Equal to Zero D. 0 to 1
12	If in binomial distribution, $\mu = 6$, $p = 3/5$, the number of trial are:	A. 18 B. 30 C. 10 D. None of these
13	Which of the following distribution(s) has 3 parameters.	A. Binomial distribution B. Hypergeometric distribution C. Both of the above D. None of these
14	If X and Y are random variables, then $E(X - Y)$ is equal to.	A. $E(X) + E(Y)$ B. $E(X) - E(Y)$ C. $X - E(Y)$ D. $E(X) - Y$
15	When we draw the sample with replacement (the first sample is replaced before the next draw), the probability distribution to be used is:	A. Binomial B. Hypergeometric C. Both Binomial & hypergeometric D. None of these

16	Probability density function is the probability function of..... random variable.	A. Discrete B. Qualitative C. Continuous D. None
17	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
18	When x denotes the number of success in binomial experiment it is called.	A. Random variable B. Binomial random variable C. Continuous random variable D. Both (B) and (C) but not (A)
19	N-K is classified as	A. Success B. Failures C. Parameters D. Range
20	If x is a continuous random variable, then the function f(x) is.	A. A probability function B. A probability density function C. A density function D. Both b and c
