

Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Which of the following is true for binomial distribution	A. Mean > variance B. Mean < variance C. Mean = variance D. Mean + standard deviation
2	A fair die is rolled three times. The probability of getting three "aces" is	A. 1/3 B. 1/6
3	Variance of binomial distribution is	A. np B. \sqrt{npq} C. npq D. nq
4	The number of possible outcomes in Bernoulli trial is	A. Three B. Four C. Two D. One
5	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
6	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
7	The binomial distribution is symmetrical when:	A. $p > q$ B. $p = 1/2$ C. Probability of success & probability of failure are equal D. Both (B) and (C)
8	For a binomial probability distribution: $n = 10$ & the probability of failure ($q = 0.6$), then mean of the distribution is .	A. 0.6 B. 6.0 C. 10 D. 4
9	If in binomial distribution, $\mu = 6$, $p = 3/5$, the number of trial are:	A. 18 B. 30 C. 10 D. None of these
10	if X and Y are independent random variables the S.D. (X-Y) is equal to	A. $\text{Var}(X) - \text{var}(Y)$ B. $\text{Var}(X) + \text{Var}(Y)$ C. $E(X-Y)^2$ D. $E(X+Y)^2$
11	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. $E(X) - Y$
12	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable
13	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
14	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater than variance D. None of the these
		A. Dependent

15	In hypergeometric distribution, the successive trials are.	B. Independent C. Both (A) & (B) D. None of these
16	Random numbers can be generated	A. Manually B. Mechanically C. Both a and b D. None of these
17	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)
18	The binomial distribution deal with:	A. Discrete variable B. Continuous variable C. None of these
19	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)
20	The probability of even/odd number when a fair die rolled is:	A. 1/6 B. 2/6 C. 1/36 D. 3/6