

Statistics Ics Part 1 Chapter 8 Online Test

Sr	Questions	Answers Choice
1	Each trial of binomial experiment results in an outcome which can be classified in two categories	A. Head or tail B. Ace or six C. Success and failure D. None of these
2	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
3	The binomial distribution has the following parameters.	A. p & q B. n & q C. n, p & q D. None of these
4	The probability density function $p(x)$ cannot exceed.	A. zero B. One C. Mean D. Infinity
5	The probability of success ----- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
6	The hypergeometric distribution has ----- parameters	A. One B. Two C. Three D. Four
7	the discrete probability distribution may be represented by.	A. A table B. A graph C. A mathematical equation D. All of these
8	The mean of binomial distribution is always:	A. Equal to variance B. Less than variance C. Greater than variance D. None of these
9	Mean of hypergeometric distribution is	A. np C. np D. nk
10	An expected value of a random variable is equal to its.	A. Variance B. B.D. C. Mean D. Co - Variance
11	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
12	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)
13	Binomial distribution is used when n is	A. Large B. Small C. Negative D. Zero
14	Which of the following is true for binomial distribution	A. Mean > variance B. Mean < variance C. Mean = variance D. Mean + standard deviation
15	If $E(X) = E$ then find arithmetic means will be.	A. 1 B. 4 C. 0 D. 2

16	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
17	The binomial distribution is symmetrical if	A. $p = 1/2$ B. $p > 1/2$ C. $p < 1/3$ D. $p = 1/3$
18	A fair coin is tossed four times the probability of getting four heads is	A. $1/4$ B. $1/2$ C. $4/6$ D. 1
19	Variance of binomial distribution is	A. np B. npq C. npq D. nq
20	Random numbers can be generated	A. Manually B. Mechanically C. Both a and b D. None of these