

Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	If $N = 40$, $n = 5$, $k = 4$, then mean of hypergeometric distribution is.	A. 1 B. $1/2$ C. $1/4$ D. $1/3$
2	A hypergeometric random variable is a (an)	A. Independent variable B. Continuous random variable C. Discrete random variable D. None of these
3	The standard deviation of a binomial distribution depends on.	A. Probability of success B. Probability of failure C. Number of trials D. Both a and c
4	Binomial distribution is negatively skewed if.	A. $p < q$ B. $p > q$ C. $p = q$ D. $np = npq$
5	If the probability of success $p = 0.4$ for a probability Bernoulli trial, the expression ${}^7P_3(0.4)^3(0.6)^4$ given the probability of getting.	A. Exactly three successes in seven trials B. Exactly four successes in seven trials C. Three or more successes in seven trials D. Four or more successes in seven trials.
6	The hypergeometric distribution has parameters	A. Two B. Three C. Four D. Five
7	In binomial distribution trials are	A. Independent B. Dependent C. Both D. Discrete
8	A fair coin is tossed five times. The probability of getting zero heads is.	A. $1/2$ B. $1/32$ C. 6 D. $1/5$
9	In hypergeometric distribution the trials are.	A. Independent B. Dependent C. Independent and dependent D. None of these
10	The binomial probability distribution is symmetrical when	A. $p = q$ B. $p < q$ C. $p > q$ D. $np > npq$
11	In binomial each trial has	A. One outcome B. Two outcomes C. Three outcomes D. Four outcomes
12	In a binomial, $n = 20$, $p = 3/5$, then variance of this distribution is.	A. 12 B. 60 C. 4.8 D. 0
13	Binomial distribution is positive skewed when	A. $p > q$ B. $p = q$ C. $p < q$ D. $p = 1/2$
14	In hypergeometric distribution n is.	A. Changed B. Zero C. Fixed D. variable
		A. p and q

15	The parameters of binomial distribution one	B. q and n C. n and p D. n,p,q
16	In binomial distribution it is impossible to find	A. $P(x < L)$ B. $P(x=0)$ C. $P(x > 0)$ D. $P(0 < x < \infty)$
17	In a binomial experiment, the successive trials are.	A. Dependent B. Independent C. Mutually exclusive D. Fixed
18	In a binomial experiment with three trials, the variable can take.	A. 2 Values B. 3 Values C. 4 Values D. 5 Values
19	A binomial random variable can assume the values	A. 1,2,.....n B. 0,1,2,.....00 C. 0,1,2,.....n D. 2,4,6,8,10
20	In which distribution the successive trials are with replacement	A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution