

Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	The mean of a binomial distribution depends on	A. Parability of success B. Probability of failure C. Number of trials D. Both a and c
2	If $p = q = 1/2$ then distribution is called.	A. Postively B. Skewed C. Symmetrical D. Negatively
3	The binomial probability distribution is symmetrical when	A. $p = q$ B. $p < q$ C. $p > q$ D. $np > npq$
4	For a binomial distribution with $n = 5$ prob ($X = -2$) is.	A. 0 B. Greater than zero C. Less than zero D. None of these
5	In binomial distribution trials are	A. Independent B. Dependent C. Both D. Discrete
6	In a binomial experiment with three trials, the variable can take.	A. 2 Values B. 3 Values C. 4 Values D. 5 Values
7	In which distribution the probability of success remains constant from trial to trial	A. Hypergeometric distribution B. Binomial distribution C. Sampling distribution D. Continuous distribution
8	Binomial distribution is positive skewed when	A. $p > q$ B. $p = q$ C. $p < q$ D. $p = 1/2$
9	A four die is rolled three times. the probability of getting three area is.	A. $1/4$ B. $1/6$ C. $1/216$ D. $1/27$
10	The number of trial in binomial distribution is.	A. Not fixed B. Fixed C. Large D. Small
11	Both binomial and hypergeometric distribution are.	A. Continuous probability distribution B. Discrete probability distributions C. Neither continuous nor discrete probability distributions. D. Bivariate distributions.
12	If the probability of success $p = 0.4$ for a probability Bernoulli trial, the expression $7! / 3! 4! (0.4)^3 (0.6)^4$ 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.
13	The hypergeometric experiment has properties	A. One B. Three C. Four D. Five
14	Mean of hypergeometric distribution is	A. mN/k B. nK/N C. k/nN D. Nk/n

15	A fair coin is tossed four times the probability of getting four heads is	A. $1/4$ B. $1/2$ C. $1/16$ D. 1
16	Binomial distribution is negatively skewed if.	A. $p < q$ B. $p > q$ C. $p = q$ D. $np = npq$
17	the number of possible outcomes in a Bernoulli trial is.	A. One B. Two C. Three D. Four
18	In binomial each trial has	A. One outcome B. Two outcomes C. Three outcomes D. Four outcomes
19	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
20	A hypergeometric random variable is a (an)	A. Independent variable B. Continuous random variable C. Discrete random variable D. None of these