

Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	In a binomial experiment with three trials, the variable can take.	A. 2 Values B. 3 Values C. 4 Values D. 5 Values
2	Mean of hypergeometric distribution is	A. mN/k B. nK/N C. k/nN D. Nk/n
3	For a given binomial distribution with a fixed, if $p < 0.5$, then	A. The binomial distribution will be skewed to the left. B. The binomial distribution will be skewed to the right C. The binomial distribution will be symmetric D. None of these
4	In binomial distribution trials are	A. Independent B. Dependent C. Both D. Discrete
5	In which distribution the successive trials are with replacement	A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution
6	Which of the following can never be described by a binomial distribution.	A. The number of defective items produced by an assembly process B. The amount of water used by a single household C. the number of students in the class who can answer this questions D. All of these can always be described by a binomial distribution
7	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
8	"P" or "q" can not be greater than	A. 1 B. 0 C. $2/3$ D. $1/2$
9	The probability of failure is equal to.	A. p B. $1 - q$ C. $P - 1$ D. $1 - P$
10	Binomial distribution is negatively skewed if.	A. $p < q$ B. $p > q$ C. $p = q$ D. $np = npq$
11	If $p = q = 1/2$ then distribution is called.	A. Positively B. Skewed C. Symmetrical D. Negatively
12	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.
13	The percentage of observations lying within the items $X \pm 3S$ in the normal distribution.	A. 68.26% B. 95.44% C. 70.00% D. 99.75%

14	A four die is rolled three times. the probabilyt of getting three area is.	A. 1/4 B. 1/6 C. 1/216 D. 1/27
15	The hypergeometric experiment has propeties	A. One B. Three C. Four D. Five
16	In a hypergeometric distribution N = 6, n = 2, K = 3 Then mean.	A. 1 B. 2 C. 3 D. 4
17	For positively skewed binomial distribution	A. P = 0 B. P < 0.5 C. P > 0.5 D. P = 0.5
18	In a binomial distribution	A. $\mu = n$ B. $\mu = np$ C. $\mu = npq$ D. $\mu = nq$
19	The numebr of trial in bionomial distribution is.	A. Not fixed B. Fixed C. Large D. Small
20	The mean of a binomial dristubution depends on	A. Parability of success B. Probability of failure C. Number of trials D. Botha a and c