

Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	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
2	In a hypergeometric distribution.	A. Mean \geq Variance B. Mean \leq variance C. Mean = variance D. Mean = Zero
3	A four die is rolled three times. the probability of getting three aces is.	A. $1/4$ B. $1/6$ C. $1/216$ D. $1/27$
4	A hypergeometric random variable is a (an)	A. Independent variable B. Continuous random variable C. Discrete random variable D. None of these
5	Mean of hypergeometric distribution is	A. mN/k B. nK/N C. k/nN D. Nk/n
6	Binomial distribution is negatively skewed if.	A. $p \leq q$ B. $p \geq q$ C. $p = q$ D. $np = npq$
7	In which distribution the successive trials are with replacement.	A. Hypergeometric distribution B. Binomial distribution C. Continuous distribution D. None of these
8	The variance of binomial distribution is	A. np B. nq C. npq D. pq
9	The hyper-geometric distribution has..... parameters.	A. 1 B. 2 C. 3 D. 4
10	Binomial distribution is positive skewed when	A. $p \geq q$ B. $p = q$ C. $p \leq q$ D. $p = 1/2$
11	If $p = q = 1/2$ then distribution is called.	A. Positively B. Skewed C. Symmetrical D. Negatively
12	In hyper geometric distribution n is.	A. Changed B. Zero C. Fixed D. variable
13	A fair coin tossed four times, the probability of getting four heads is.	A. 1 B. $1/4$ C. $1/2$ D. $1/10$
14	The hypergeometric experiment has properties	A. One B. Three C. Four D. Five
15	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 heads in 10 tosses of a fair coin D. The number of successes in 10 trials of a Bernoulli process

		C. the numebr of students in the class who can answer this questions D. All of these can always be described by a binomial distribution
16	If $N = 40$, $n = 5$, $k = 4$, then mean of hypergeometric distribution is.	A. 1 B. $1/2$ C. $1/4$ D. $1/3$
17	The parameters of binomial distribution one	A. p and q B. q and n C. n and p D. n,p,q
18	For positively skewed binomial distribution	A. $P = 0$ B. $P \leq 0.5$ C. $P \geq 0.5$ D. $P = 0.5$
19	The binomial probability distribution is symmetrical when	A. $p = q$ B. $p \leq q$ C. $p \geq q$ D. $np \geq npq$
20	In which distribution the successive trials are with replacement	A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution