

Statistics Ics Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	Mean of hypergeometric distribution is	A. mN/k B. nK/N C. k/nN D. Nk/n
2	For positively skewed binomial distribution	A. $P = 0$ B. $P < 0.5$ C. $P > 0.5$ D. $P = 0.5$
3	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
4	In which distribution the successive trials are with replacement	A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution
5	The hypergeometric distribution is used when trials are	A. Dependent B. Independent C. Equally likely D. Mutually exclusive
6	The hypergeometric experiment has properties	A. One B. Three C. Four D. Five
7	The hypergeometric distribution has parameters	A. Two B. Three C. Four D. Five
8	In binomial each trial has	A. One outcome B. Two outcomes C. Three outcomes D. Four outcomes
9	In a binomial distribution	A. $\mu = \sum x_i p_i$ B. $\sigma^2 = \sum x_i p_i (1 - p_i)$ C. $\mu = np$, $\sigma^2 = np(1-p)$ D. $\mu = np$, $\sigma^2 = np(1-p)$
10	In binomial distribution it is impossible to find	A. $P(x \leq L)$ B. $P(x=0)$ C. $P(x > 0)$ D. $P(0 \leq x \leq L)$

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- 11 The binomial distribution is negatively skewed if
A. $P < 1/2$
B. $P = 1/2$
C. $P > 1/2$
D. $P = 1$
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- 12 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
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- 13 The variance of binomial distribution is
A. np
B. nq
C. npq
D. pq
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- 14 In binomial distribution trials are
A. Independent
B. Dependent
C. Both
D. Discrete
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- 15 The parameters of binomial distribution one
A. p and q
B. q and n
C. n and p
D. n,p,q
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- 16 Binomial distribution has parameter
A. One
B. Two
C. Three
D. Four
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- 17 "P" or "q" can not be greater than
A. 1
B. 0
C. 2/3
D. 1/2
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