

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	The data about the sex of new babies is called:	A. Continuous data B. Qualitative data C. Quantitative data D. Discrete data
2	The hypergeometric distribution has ----- parameters	A. One B. Two C. Three D. Four
3	The binomial distribution is symmetrical if	A. $p = 1/2$ B. $P > 1/2$ C. $p < 1/3$ D. $P \approx q$
4	The repeated trials of binomial experiments are	A. Dependent B. Independent C. Fixed D. Variable
5	The probability of success ----- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
6	Each trial of binomial experiment results in an outcome which can be classified in two categories	A. Head or tail B. Ace or six C. Success and failure D. None of these
7	A fair die is rolled three times. The probability of getting three "aces" is	A. $1/3$ B. $1/6$
8	A fair coin is tossed four times the probability of getting four heads is	A. $1/4$ B. $1/2$ C. $4/6$ D. 1
9	The number of possible outcomes in Bernoulli trial is	A. Three B. Four C. Two D. One
10	Which of the following is true for binomial distribution	A. Mean $>$ variance B. Mean $<$ variance C. Mean = variance D. Mean + standard deviation
11	The parameters of the binomial distributions are	A. x and n B. x and p C. p and q D. n and p
12	N-K is classified as	A. Success B. Failures C. Parameters D. Range
13	Mean of hypergeometric distribution is	A. np B. np C. Nnk
14	Hypergeometric distribution is a	A. Continuous distribution B. Discrete distribution C. Simple distribution D. Normal distribution
		A. np B. $\approx q$

- 15 Variance of binomial distribution is
'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;">√
C. npq
D. nq
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- 16 Mean, Median and mode of binomial distribution can be equal if
D. P ≠
A. P < 1/2
B. P > 1/2
C. P = 1/2
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- 17 Binomial distribution is positively skewed
A. P < 1/2
B. P > 1/2
C. P = 1/2
D. P < q &
 $\sup{1} < \sub{2}$