

Statistics Ics Part 1 Chapter 9 Online Test

| Sr | Questions | Answers Choice |
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| 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 > Variance B. Mean < 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. $p < q$ B. $p > q$ 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. $p > q$ B. $p = q$ C. $p < q$ 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 accidents in a year |

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| | | 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 |
| 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 are | 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. $P < 0.5$ C. $P > 0.5$ D. $P = 0.5$ |
| 19 | The binomial probability distribution is symmetrical when | A. $p = q$ B. $p < q$ C. $p > q$ D. $np > npq$ |
| 20 | In which distribution the successive trials are with replacement | A. Hypergeometric B. Binomial distribution C. Continuous distribution D. Discrete distribution |