

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	If mean = 25 and variance is also 25, then coefficient of variation is	A. 100% B. 25% C. 20% D. 10%
2	Brand of a soap is variable.	A. Quantitative B. Qualitative C. Continuous D. Imaginary
3	The variance expresses the variability of data in as unit of data.	A. Square of unit B. Square root of unit C. Same unit D. All of these
4	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. All of them
5	The minimum classes may be determine by formula.	A. $C = 1 + 3 \log(n)$ B. $c = \sqrt{n}$ C. $X_{m} - X_{0}$ D. Both A and B
6	The most suitable average for computing of index number is:	A. A.M B. G.M C. Median D. H.M
7	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
8	The number of ways in which a person enters by one door and leaves by a different door in a room with three doors is.	A. 6 B. 9 C. 5 D. None of these
9	In binomial experiment successive trials are:	A. Dependent B. Independent C. May be independent or dependent D. None of these
10	Which of the following statements is true.	A. As a rule statisticians generally use between 6 and 15 classes. B. As a rule, statisticians regards a frequency distribution incomplete if it has fewer than 20 classes. C. Classes describe only one characteristics the data beign organized D. None of these
11	The binomial distribution is symmetrical if	A. $p = 1/2$ B. $P > 1/2$ C. $p < 1/3$ D. $P \text{ \ } < \text{span style="color: rgb(0, 0, 0); font-family: 'Lucida Sans Unicode', 'Lucida Grande', sans-serif; font-size: 18px; line-height: 23.390625px;"}>$
12	Which of the following is a relative measure of dispersion.	A. Standard deviation B. Variance C. Coefficient of variation D. All of these
13	Commodities subject to considerable price variation should be best measured by	A. Quantity index B. Price index C. Value index D. None of these
		A. One outcome

14	In binomial each trial has	<p>B. Two outcomes</p> <p>C. Three outcomes</p> <p>D. Four outcomes</p>
15	If Laspeyre's index number is 200, Paasche's index number is 200, then Fisher's index number is.	<p>A. 100</p> <p>B. 200</p> <p>C. Zero</p> <p>D. 1000</p>
16	Mean deviation = S.D	<p>A. 2/3</p> <p>B. 4/5</p> <p>C. 5/6</p> <p>D. 6/5</p>
17	Second moment about mean is called	<p>A. Standard deviation</p> <p>B. Mean deviation</p> <p>C. Variance</p> <p>D. Coefficient of variation</p>
18	Var (KY) =	<p>A. KY</p> <p>B. $K^2 \text{Var}(Y)$</p> <p>C. $K^2 \text{Var}(Y)$</p> <p>D. None of these</p>
19	The most central value of an arrayed data is.	<p>A. Mode</p> <p>B. Median</p> <p>C. Mean</p> <p>D. Harmonic mean</p>
20	if X and Y are independent random variables the S.D. (X-Y) is equal to	<p>A. Var (X) - var (Y)</p> <p>B. $\text{Var}(X) + \text{Var}(Y)$</p> <p>C. $E(X-Y)^2$</p> <p>D. $E(X+Y)^2$</p>