

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	The mean deviation of dispersion can be negative.	A. Often B. Sometimes C. Always D. Never
2	Both quantities and prices are used in	A. Link relatives B. Chain relatives C. Average of relatives D. Aggregative index numbers
3	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	A. 0 B. 1 C. 13 D. 15
4	For a constant K ,the variance of K.	A. Zero B. $A^{²}$ C. K D. None of these
5	An experiment which produced different outcomes even if it is repeated a large number of times, under similar conditions is called	A. Event B. Compound event C. Random experiment D. None of these
6	Variance σ^2 is equal to $E(y^2) -$ -----	A. $E(y)$ B. $[E(y)]^{²}$ C. $E(y)^{²}$ D. $E^{²}(y)$
7	For a given binomial distribution with a fixed,if $p < 0.5$, than	A. The binomial distribution will be skewed to the left. B. The binomial distribution will be skewed to the right C. The binomial distributio iwl be symmetric D. None of these
8	The difference between the upper and the lower boundaries of a class are known as:	A. class marks B. class intensive C. class frequency D. class limit
9	For discrete random variable 'X' the expectation of X I-e $E(x)$ is equal to:	A. $\Sigma p(x)$ B. $\Sigma xp(x)$ C. $\Sigma x^{²p(x)}$ D. One
10	The number 5.0435001 rounded off to nearest thousandth is.	A. 5.043 B. 5.044 C. 5.050 D. 5.000
11	Which is appropriate average for finding the average speed of a journey.	A. Mean B. Geometric mean C. Harmonic mean D. Weighted mean
12	Probability distribution of a continuous random variable can be presented by	A. tabular form B. Formula C. Curve D. None of these
13	a measure of the chance that an uncertain event will occur.	A. An experiment B. An event C. A probability D. A trail
14	A set containing only one element is called	A. Null set B. Universal set C. Subset D. Singleton set

A. Geometric mean

15	The suitable average for shoe or collar size is.	B. Arithmetic mean C. Mode D. Median
16	Continuous data are differentiated from discrete data in that	A. Discrete data classes are represented by fractions B. Continuous data classes may be represented by fractions C. Continuous data take on only whole numbers D. Discrete data can take on any real number
17	If X and Y are independent random variables the S.D. $(X-Y)$ is equal to	A. $\text{Var}(X) - \text{Var}(Y)$ B. $\text{Var}(X) + \text{Var}(Y)$ C. $E(X-Y)^2$ D. $E(X+Y)^2$
18	If the third moment about mean is zero ($m_3 = 0$), then the distribution is.	A. Mesokurtic B. Positively skewed C. Symmetrical D. Negatively skewed
19	If one event is unaffected by the outcome of another event, the two events are said to be	A. Dependent B. Independent C. Mutually exclusive D. Both b and c
20	Binomial distribution is positive skewed when	A. $p > q$ B. $p = q$ C. $p < q$ D. $p = 1/2$