

Statistics Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	When referring to a curve whose longer tail is to the right, you would call it.	<p>A. Symmetrical</p> <p>B. Positively skewed</p> <p>C. Negatively skewed</p> <p>D. None of these</p>
2	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>
3	When X denotes the number of success in binomial experiment, it is called.	<p>A. Random variable</p> <p>B. Binomial random variable</p> <p>C. Continuous random variable</p> <p>D. Both (B) and (C) but not (A)</p>
4	Subset of sample space is called	<p>A. Event</p> <p>B. Simple event</p> <p>C. Compound event</p> <p>D. Experiment</p>
5	If a curve has a longer tail to the left . it is called a.	<p>A. Symmetrical curve</p> <p>B. Positive skewed curve</p> <p>C. Negatively skewed curve</p> <p>D. None of these</p>
6	Why is it necessary to square the difference from the mean when computing the standard deviation.	<p>A. So that the extreme values will not affect the calculation</p> <p>B. Some of the differenece will be positive and some will e negative</p> <p>C. It can change drastically from one data set to the next</p> <p>D. It is determined by only two points in the data set</p>
7	If x is a random variable with $E(x) = 5$ then $E(3x - 2) =$	<p>A. 0</p> <p>B. 1</p> <p>C. 13</p> <p>D. 15</p>
8	When the base year values are used as weights, the weighted average of relatives price index is the same as.	<p>A. the paache's index</p> <p>B. The laspeyres index</p> <p>C. The unweighted average of relatives price index</p> <p>D. None of these</p>
9	The index number given by formula $\frac{\sum p_n q_n}{\sum p_0 q_n} \times 100$ is:	<p>A. Laspeyres index</p> <p>B. The paasche's index</p> <p>C. The value index</p> <p>D. None of these</p>
10	The mode of letters in the word STATISTICS is:	<p>A. S</p> <p>B. T</p> <p>C. I</p> <p>D. S & T</p>
11	P (A/B) can be evaluated by formula	<p>A. $\frac{P(A \cap B)}{P(B)}$</p> <p>B. $\frac{P(A \cup B)}{P(A)}$</p> <p>C. $\frac{P(A \cap B)}{P(A)}$</p> <p>D. $\frac{P(A \cup B)}{P(B)}$</p>

12	The data about the sex of new babies is called:	A. Continuous data B. Qualitative data C. Quantitative data D. Discrete data
13	Random numbers are generated from the single digit numbers.	A. { 1,2,3,..... 10 } B. { 0, 1,2,..... 10 } C. { 0,1,2,..... } D. {0,1,2,..... 9 }
14	Data used by an agency which originally collected them are.	A. Primary data B. Raw data C. Secondary data D. Grouped data
15	First moment about mean is always equal to.	A. Standard deviation B. Zero C. 1 D. Variance
16	Index for base period is always take as.	A. zero B. one C. 200 D. 100
17	The probability of success ----- from one trial to another when trials are dependent	A. Remains constant B. Is changed C. One D. Zero
18	For a binomial distribution with $n = 5$ prob ($X = -2$) is.	A. 0 B. Greater than zero C. Less than zero D. None of these
19	The binomial distribution is symmetrical when:	A. $p > q$ B. $p = 1/2$ C. Probability of success & probability of failure are equal D. Both (B) and (C)
20	The weights used in a quantity index are	A. Percentage of total quantity B. Prices C. Average of quantities D. None of these