Statistics Ics Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	For a moderately skewed dsitribution, whihc of the following emprical formula holds.	A. M.D. = 4/5(S.D) B. Q.D. = 2/3 (S.D) C. Q.D . = 5/6 (M.D.) D. All of these
2	If X and Y are independent, than Var (X -Y) is equal to.	A. Var (X) + Var (Y) B. Var (X) - Var (Y) C. Var (X+ Y) D. Zero
3	Which of the following measures of dispersion is independent of the units employed.	A. Standard deviation B. Quartile deviation C. Coefficient of variation D. Variance
4	the standard deviation is independent of.	A. Change of origin B. Change of scale of measurement C. Change origin and scale of meaturement D. None of these
5	Range can be calculated in open-end classes.	A. Never B. Always C. Often D. Seldom
6	The sum of absolute deviations is a minimum if these deviations are taken from the	A. Mean B. Mode C. Median D. All of these
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8	Why is it necessary to square the difference from the mean when computing the standard deviation.	A. So that the extreme values will not affect the calculation B. Some of the differnece will be positive and some will e negative C. It can change drastically from one data set to the next D. It is determined by only two points in the data set
9	The main advantages of using the range as a measure of dispersion is that.	A. It is easy to calculate B. It is heavily influenced by extreme values. C. It can change drastically from one data set to the next D. It is determined by only two points in the data set
10	Which of the following is a relatie measure of dispersion.	A. Standard deviation B. Variance C. Coefficient of variation D. All of these
11	test2	A. 3 B. 4 C. 2
12	Standard deviation is always calculate form:	A. Mean B. Median C. Mode D. All of the above
13	Mean deviation = S.D	A. 2/3 B. 4/5 C. 5/6 D. 6/5
14	If $b_2 = 3$, then the distribution is:	A. leptokurtic B. Platykurtic

		C. Normal
		D. None of these
15	The sum of the squares of deviations is the least when measured from.	A. A.M B. Median C. Mode D. Both A and B
16	The sum of absolute deviation form median is.	A. zero B. negative C. least D. maximum
17	In a skewed distribution the three averages man, median & mode are.	A. identical B. different C. 0 D. equal 1