

ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-36

SUBJECT - STATISTICS

Term : Final

Topic – Moment & Skewness

Full Marks: 15

Class: XI

Date:13 .02. 2021

Q1. Select the correct alternative of the following questions.

The value of m_0 is							
(a) 0	(b) 1	(c) 2	(d) none of these				
The value of m_1 is							
(a) 0	(b) 1	(c) <i>x</i>	(d) none of these				
The value of m_2 is							
(a) 0	(b) 1	(c) 2	(d) none of these				
The value of m	The value of m_3 is						
(a) 0	(b) 1	(c) 2	(d) none of these				
For a set of observation $Sk_1 > 0$ implies that the set is (a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these							
For a set of observation $Sk_1 < 0$ implies that the set is (a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these							
For a set of observation $Sk_2 < 0$ implies that the set is (a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these							
	The value of m (a) 0 The value of m (a) 0 The value of m (a) 0 The value of m (a) 0 For a set of ob (a) –vely skewn For a set of ob (a) –vely skewn	The value of m_0 is (a) 0 (b) 1 The value of m_1 is (a) 0 (b) 1 The value of m_2 is (a) 0 (b) 1 The value of m_3 is (a) 0 (b) 1 For a set of observation Sk_1 (a) -vely skewed (b) symmet For a set of observation Sk_2 (a) -vely skewed (b) symmet	The value of m ₀ is (a) 0 (b) 1 (c) 2 The value of m ₁ is (a) 0 (b) 1 (c) \bar{x} The value of m ₂ is (a) 0 (b) 1 (c) 2 The value of m ₃ is (a) 0 (b) 1 (c) 2 For a set of observation $Sk_1 > 0$ implies th (a) -vely skewed (b) symmetric(c) +vely ske For a set of observation $Sk_1 < 0$ implies th (a) -vely skewed (b) symmetric(c) +vely ske For a set of observation $Sk_2 < 0$ implies th (a) -vely skewed (b) symmetric(c) +vely ske				

(viii)	For a set of observation $Sk_2 > 0$ implies that the set is (a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these								
(ix)	For a set of observation $Sk_2 = 0$ implies that the set is (a) –vely skewed (b) symmetric(c) +vely skewed(d) none of these								
(x)	The value of m_4 is								
	(a) mean	(b) 1	(c) 2		(d) ı	none of these			
(xi)	All odd ordered central moments about zero is (a) < -4 (b) > -4 (c) $= -4$ (d) none of these								
(xii)	All odd ordered (a) -1	d central mome (b) 1	ents of	symmrtri (c) 0	c distr (d) n	ibution about zero is one of these			
(xiii)	All even ordere (a) -3	d central momo (b) 1	ents of	symmrtri (c) 3	c distr (d) n	ribution about zero is one of these			
(xiv)	For a symmetric distribution (a)mean= mode (b) mean> median (c) mean< median(d) none of these								
(xv)	If all the observations are positive then $m_1^{/}$ is $\dots \dots m_1$ (a) less (b) greater (c) equal (d) none of these								

Prepared by Sanjay Bhattacharya