

## Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science

## AY: 2024 - 25

Class:	TE	Semester:	V
Course Code:		Course Name:	Statistics

Name of Student:	Sainath · s · Khot
Roll No. :	20
Assignment No.:	
Title of Assignment:	
Date of Submission:	
Date of Correction:	

## **Evaluation**

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	5
Demonstrated Knowledge Legibility	3	2
Legibility	2	2
Total	10	9

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	l
Legibility	2	1	0

Checked by

Name of Faculty

: Sir Raunak Jushi

Signature

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Date

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Gives:

1)

To calable median, the data is to be arranged in an ascending order

Median = 8+9 = 8.5

Mode is the data point who with highest frequency

Variance = \(\frac{\z}{\z}\) (\(\pi - \mu)^2\)

(1-10.25)2 - 85.56

(4-10.25)2 = 30.06

(5 - 10.25)2 = 27.56

$$(8 - 10.25)^{2} = 5.06$$

$$(9 - 10.25)^{2} = 1.66$$

$$(10 - 10.25)^{2} = 0.06$$

$$(12 - 10.25)^{2} = 3.06$$

$$(13 - 10.25)^{2} = 7.56$$

$$(15 - 10.25)^{2} = 27.56$$

$$(18 - 10.25)^{2} = 60.06$$

$$(20 - 10.25)^{2} = 95.06$$

Variance = 599.66 = 29.912- 20 11010101

Variana = 199.98 = 0.749

Standard derviation - Juaniene = Juanger

Or	
	19 20 14 10 17
	13 4 5 13 18
	18 5 17 13 10
	14 12 3 2 21
and the second second second second second	= 177 = 8.85
	20
	To calculate median, they data is to be
	ourranged in an ascending order
	2,3,4,5,5,10,10,12,13,13,14,14,12,12,
	18, 18, 19, 26, 27.
	(0, (6 ) (3, 60)
	Medion = 13
	Mode is the data point with highest frequency
	Mode = 13.

Sundaram

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