

Name:Sujal Kumar  
Reg No:23MCA10069  
Date:21/01/24

### Experiment No-1(a)

Aim:- Demonstrate the following pre-processing activities with proper examples:

1. Central Tendencies (Mean, Mode, Median)
2. Standard Deviation
3. Variance
4. Covariance.

Procedure:

Use corresponding formula to calculate the following

Mean= AVERAGE(cell 1:cell n)

Mode= MODE(cell 1:cell n)

Median= MEDIAN(cell 1:cell n)

Standard Deviation = STDEV(cell 1: cell n)

Variance = VAR(cell 1 : cell n)

Covariance= COVAR(data\_x , data\_y)

Given the marks of 7 boys and girls demonstrate the pre-processing

Output

S No	Marks	
	Boys (x)	Girls (y)
1	75	89
2	82	56
3	88	90
4	92	83
5	95	91
6	88	89
7	78	70
Mean	85.43	81.14
Mode	88	89
Median	88	89
Standard Deviation	7.35	13.28
Variance	53.95	176.48
Covariance(x,y)	33.796	