Dataset 85,90,92,100,95,82,87,99,93,91,96,98 N = 12 scores Mean = Sum No of values = 85+90+92+100+95+82+87+99+93+91+96+92 Medlan His The the n is even Medlan = Average of M2 & N+1 tems Sorted = 82,85,87,90,91,92,93,95,96,98,99,100

Medlan =
$$\frac{92+93}{2} = \frac{185}{2} = \frac{92.5}{2}$$

Commence of the

Contract the second

Vaovence

$$(82 - 92 \cdot 34)^2 = 106 \cdot 91$$

$$(85 - 92.34)^2 = 53.87$$

$$(90 - 92.34)^2 = 5.47$$

$$(91 - 92.34)^2 = 1.79$$

$$(92-92.34)^2 = 0.11$$

$$(93-92\cdot34)^2 = 0.43$$

$$(95-92.34)^2 = 7.07$$

$$(96 - 92.34)^2 = 13.39$$

$$(96 - 92.34) = 13.39$$

$$(98 - 92.34)^2 = 32.03$$

$$(99 - 92.34)^2 = 44.35$$

$$(100 - 92.34)^2 = 58.67$$

Voulence,
$$\sigma^2 = 352.6 = 29.38$$

Sum = 352.6

Standard Deviation

$$=\sqrt{29.38}=5.42$$

Probability of Scores greater than 90

No of scores
$$> 90 = \frac{8}{12} = 0.6666$$