Variance. In Simple terms Variance (8 the mesure of how far the nupers from a dataser are from its man (nevage) Value To put Variance in mathematical $O^2 = \frac{1}{p} \sum_{i}^{n} \left(\chi_i - \overline{\chi_i} \right)^2$ where, n=) no. of Lata points. nj=> value of a single

To put Variance in practice. Daloret A: 4,7,8,9,10 (D) Average = 4+7+8+7+10 Avg Dandard duration Data point 4-7.6= -3.6 12.96 7-7.6 =0.6 036 8-76=04 0.16 9-7.6=1.4 (.76 10-7.6-24 500 10

Adding all SD 12,96 to.36 t 0.16 + 1.96 t 5.76 - 21.2. V = 4.24

V= (2-6) + (4-6) + (6-6) 2+ (8-6) + (8-6) - \$ 8