Basic Stats 2. Given Data? no of Samples = 15 dala = 12;-2)2 2:- 2 (1.13-1.24) =-0.11 0.012 .13 0.096 0.31 .55 0.036 0-19 1.43 0.102 -*0*-32 0.42 0 0.01 1.25 0.014 0.12 1.36 0.06 0.08 .32 -0.39 0.85 0.028 -0-17 1.07 0.057 0.24 .48 - 0.04 0.01 1.20 0.08 0.09 1-33 0.03 . 8 - 0.06 0 -0.02 0.02 0.05 Ex= 18.58 { (x-2) = 0.522 = 18.58 = |.24

Sample deviation (S) =
$$\frac{2(\lambda; -\bar{\lambda})^2}{n-1}$$

$$6 \pm \frac{\left(2(x_i - \bar{x})^2\right)^2}{n}$$

Confidence Interval = (x-E, x+E)

= (1.24-0.14, 1.24+0.14)

CI = (1.1, 1.38)

b. 49-10 Confidence Using population Std. deviation.

2 = 2.576 . - - (from table)

Error Margin = Zx6

= 2.576 x 0.18

0.11