

## *Standard Error (S. E)*

*“Standard error is a statistical constant which measures the dispersion of the sample mean around the total population”.*

*Theoretically if more than one sample is drawn from a same population, then the mean of each sample should be same or very close to each other . But in practice this is not true. There is a variation in the means of different sample. A statistical constant which measures the dispersion of the sample mean around the total population mean is called Standard error.*

*Standard error is obtained by dividing standard deviation by the sample size*

$$\text{Standard error (S. E)} = \frac{S. D}{\sqrt{N}}$$

*Where,*

*S.D = standard deviation*

*N = sample size*