Data analysis Application:

$A = \{ 10, 20, 30, 40, 50 \}$

$\bar{A} = 30$

$A \cdot A \cdot D = 12$

edit/update/Alter : ① Single

② total →

$\begin{array}{c}+ \\ - \\ \times \\ \div\end{array}$	mean median	Same change
$\begin{array}{c}+ \\ -\end{array}$	Range no change S.D $\sim$	
$\begin{array}{c}\times \\ \div\end{array}$	Range S.D	Same Change

new entry $\begin{array}{l} > \text{mean} \uparrow \\ = \text{mean} \quad \text{nochange} \\ < \text{mean} \quad \downarrow \end{array}$

Remove entry $\begin{array}{l} < \text{mean} \uparrow \\ = \text{mean} \quad \text{nochange} \\ > \text{mean} \downarrow \end{array}$

outlier :-

minority :-

① high value

median — mean

mean > median

② low value

mean median

mean < median

consecutive data : mean = median