

FORMULA CHART : समान्तर माध्य (Arithmetic Mean) (\bar{X})

		व्यक्तिगत श्रेणी (Individual Series)	खण्डित श्रेणी (Discrete Series)	सतत श्रेणी (Continuous Series)
I.	प्रत्यक्ष विधि (Direct method)	$\bar{X} = \frac{\Sigma X}{N}$	$\bar{X} = \frac{\Sigma fx}{\Sigma f}$	$\bar{X} = \frac{\Sigma fm}{\Sigma f}$ $m = \frac{L_1 + L_2}{2}$
II.	लघु विधि (Short-cut method)	$\bar{X} = A + \frac{\Sigma d}{N}$ $d = X - A$	$\bar{X} = A + \frac{\Sigma fdx}{\Sigma f}$ $dx = X - A$	$\bar{X} = A + \frac{\Sigma fdx}{\Sigma f}$ $dx = m - A$
III.	पद-विचलन विधि (Step deviation method)	$\bar{X} = A + \frac{\Sigma d' \cdot i}{N} \times i$ $d' = \frac{X - A}{i}$ $\therefore d' = \frac{d}{i}$	$\bar{X} = A + \frac{\Sigma fdx' \cdot i}{\Sigma f} \times i$ $dx' = \frac{X - A}{i}$ $dx' = \frac{dx}{i}$	$\bar{X} = A + \frac{\Sigma fdx' \cdot i}{\Sigma f} \times i$ $dx' = \frac{m - A}{i}$ $dx' = \frac{dx}{i}$