

Julatan Serakan Data tak terkumpul

Serakan = Nilai cerapan terbesar (Julat) - Nilai cerapan terkecil.

Julat antara Kuartil
= Kuartil Ketiga, Q_3
- Kuartil Pertama, Q_1 .

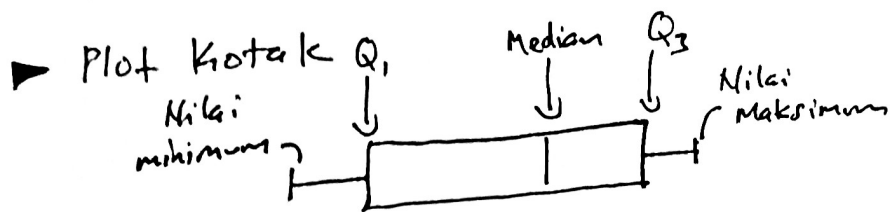
$$\text{Varians, } \sigma^2 = \frac{\sum u^2}{N} - \bar{u}^2 \quad / \quad \sigma^2 = \frac{\sum (u - \bar{u})^2}{N}$$

$$\bar{u} \text{ (maka)} = \frac{\sum u}{N} \quad / \quad \frac{\sum fu}{\sum f}$$

$$\sigma^2 = \frac{\sum fu^2}{\sum f} - \bar{u}^2 \quad / \quad \sigma^2 = \frac{\sum f(x - \bar{u})^2}{\sum f}$$

Sisihan piawai, $\sigma = \sqrt{\text{Varians}}$

* Bila ada penciran (outliers), lebih sesuai guna julat antara kuartil.



► Kesan Pembaharuan Data

↳ Ditambah / Ditolak satu pemalar, k — Tak Boleh.

↳ Didarab / Dibahagi dgn satu pemalar, k — Nilai asal $x \div k$ kecuali $\sigma^2 = x \div k^2$.