

$\text{Range} = (\text{upper limit of last class} - \text{lower limit of first class}) + 1$

- measures of positions are used to describe the relative location of an observation

examples of quantiles

- 1] median
- 2] quartiles

Quantile system is divided into:-

- 1] 3 quartiles
- 2] 4 quintiles
- 3] 9 deciles
- 4] 99 centiles

measures of position



• 0.5 percentile

fields that use the quartiles

- 1] education
- 2] health

Quartiles

- 1] lower quartile Q_1
- 2] median quartile Q_2
- 3] upper quartile Q_3

Inter quartile range (IQR) $\rightarrow$ Robust

median $\rightarrow$ Robust