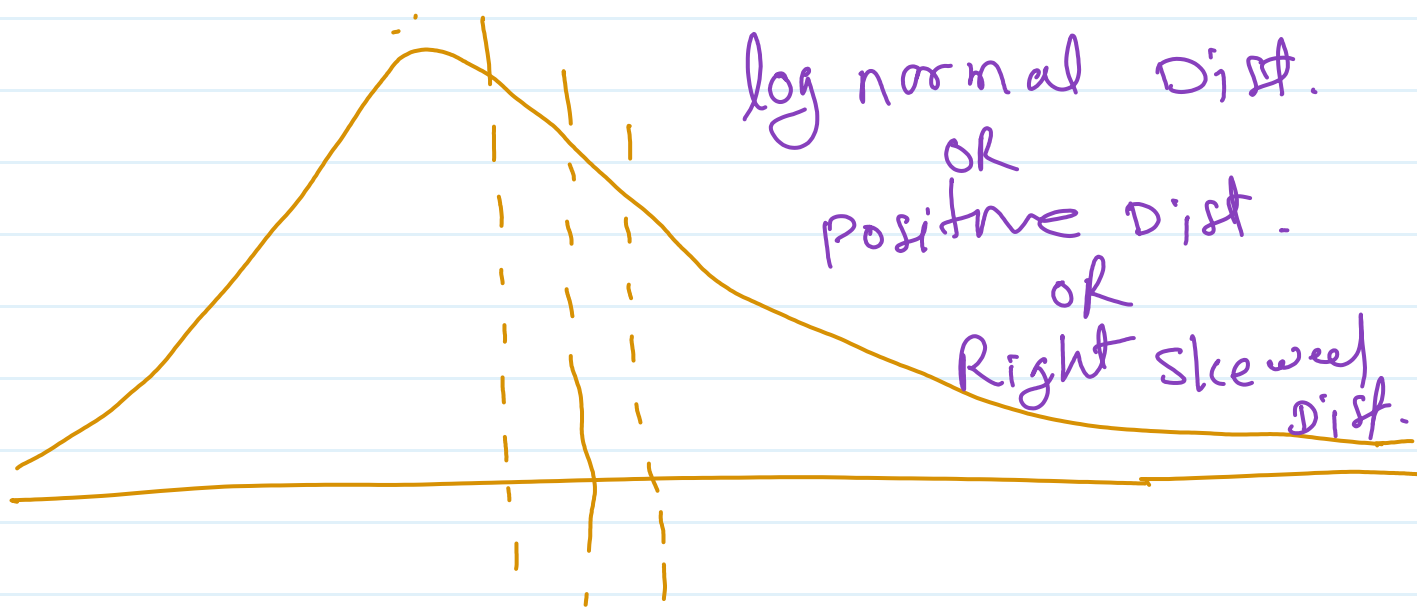


* measure of shape :-



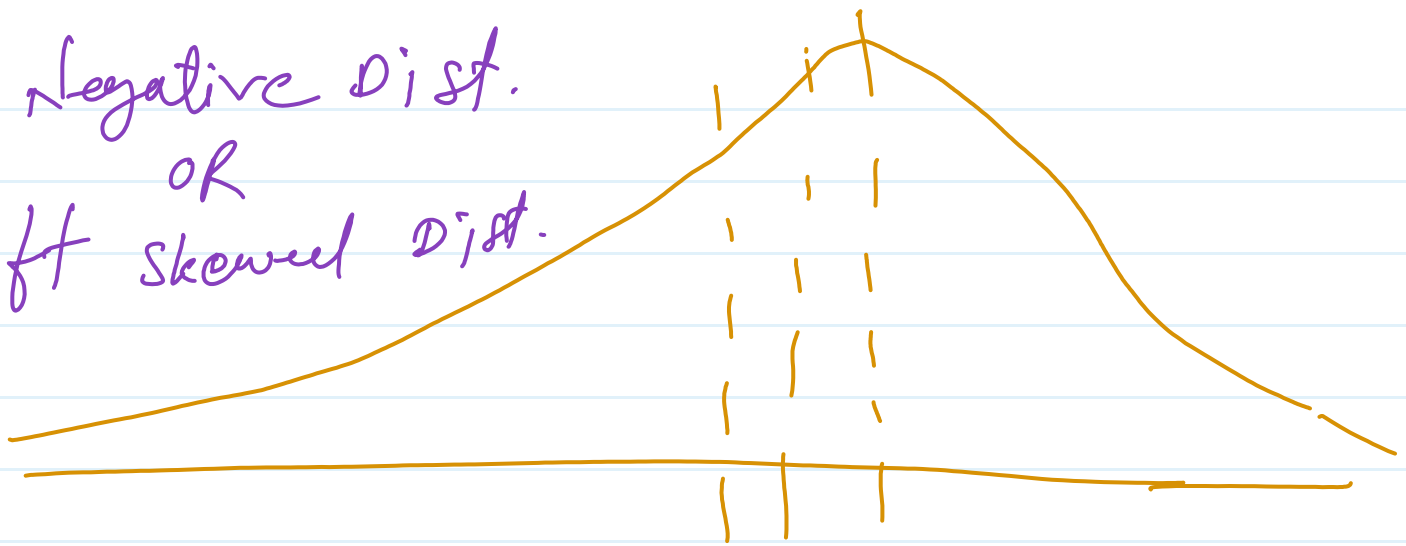
Symmetric Distribution



mean > median > mode

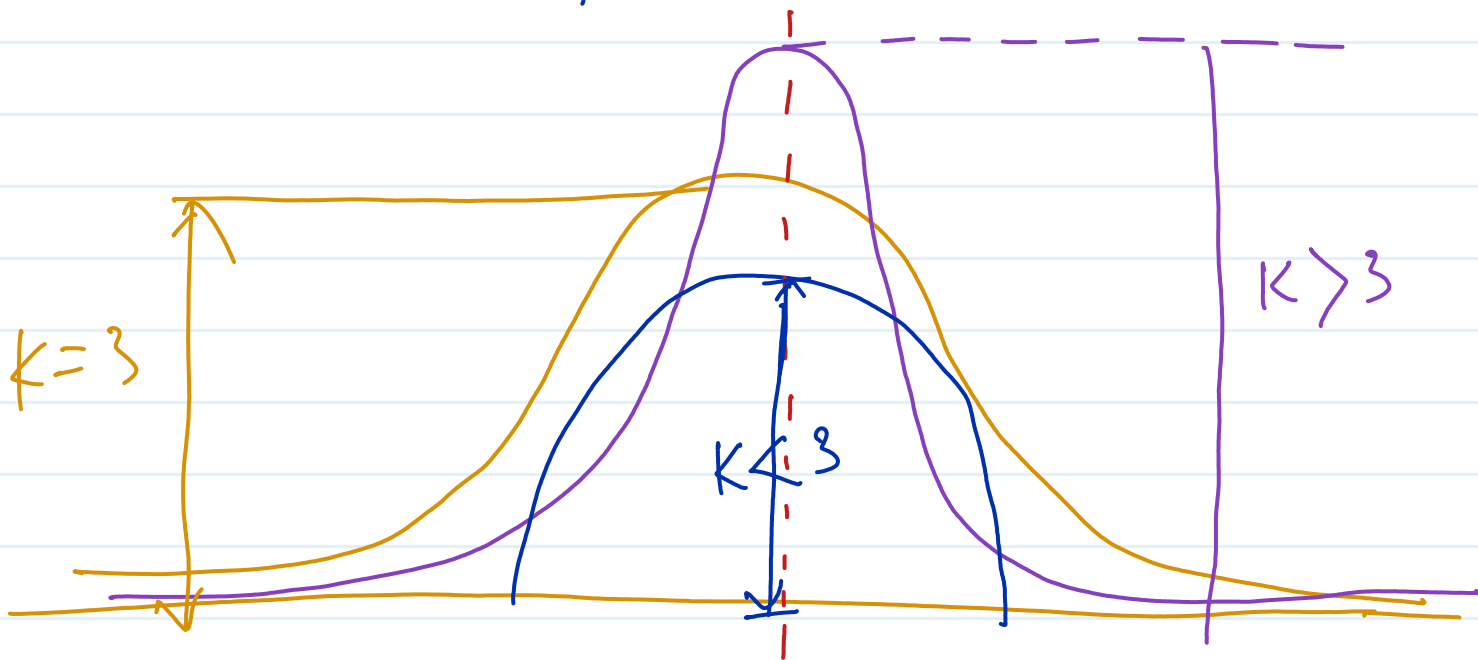
Asymmetric

Negative Dist.
or
Left skewed Dist.



$$\text{mean} < \text{median} < \text{mode}$$

★ measure of position :-

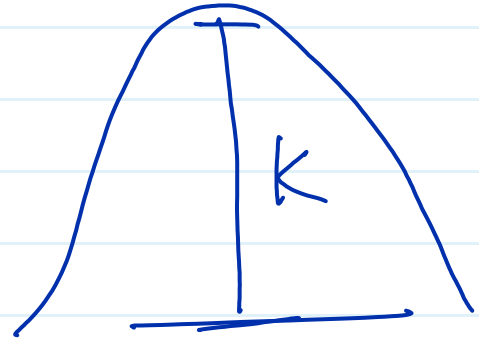


K (Kurtosis)

Default value 3

if $k > 3$

(i) Lepto kurtosis

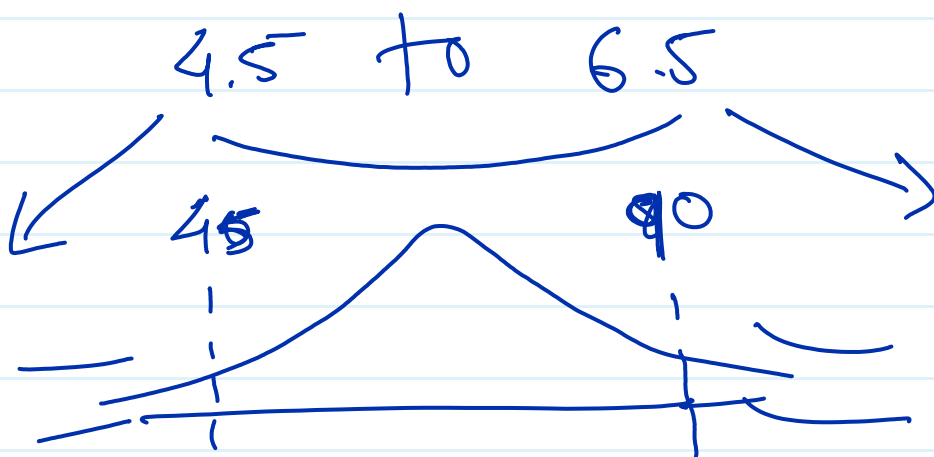


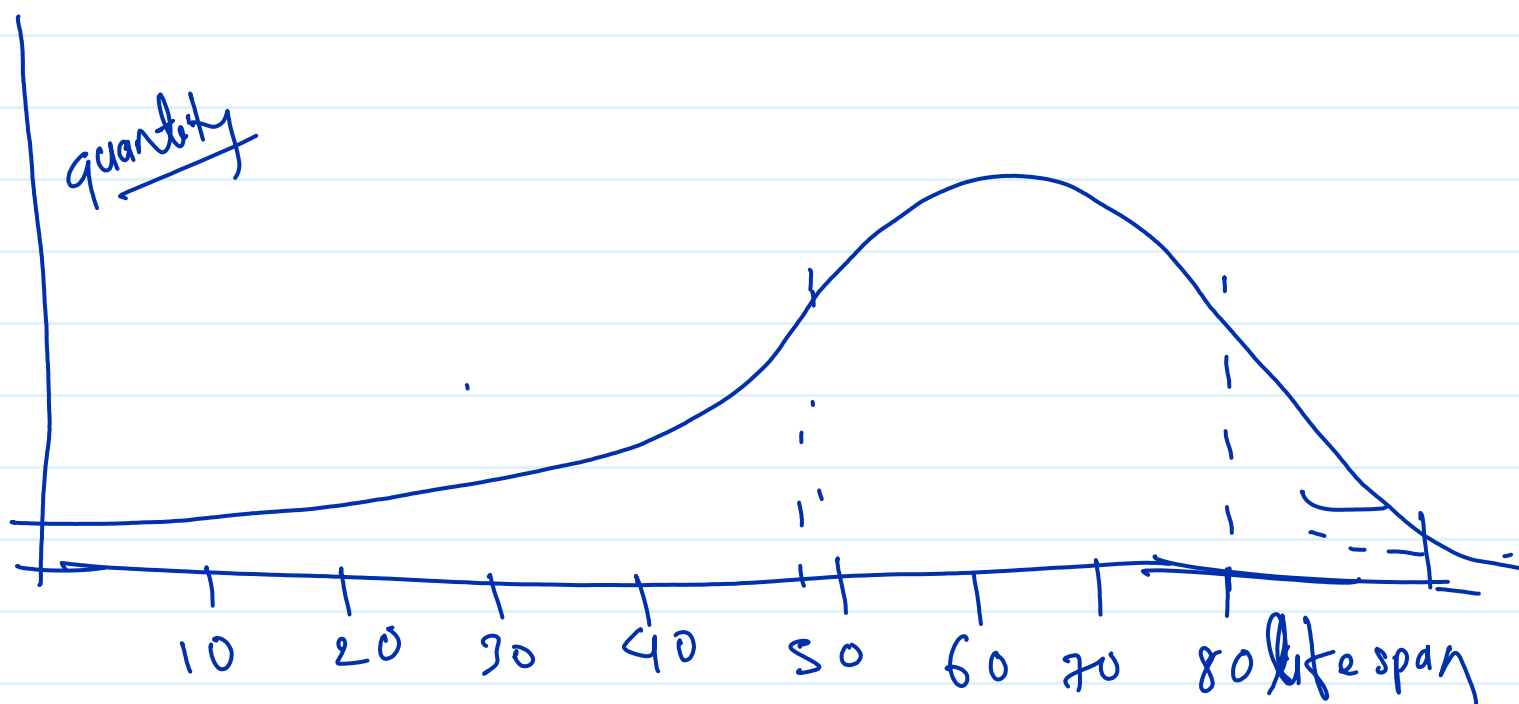
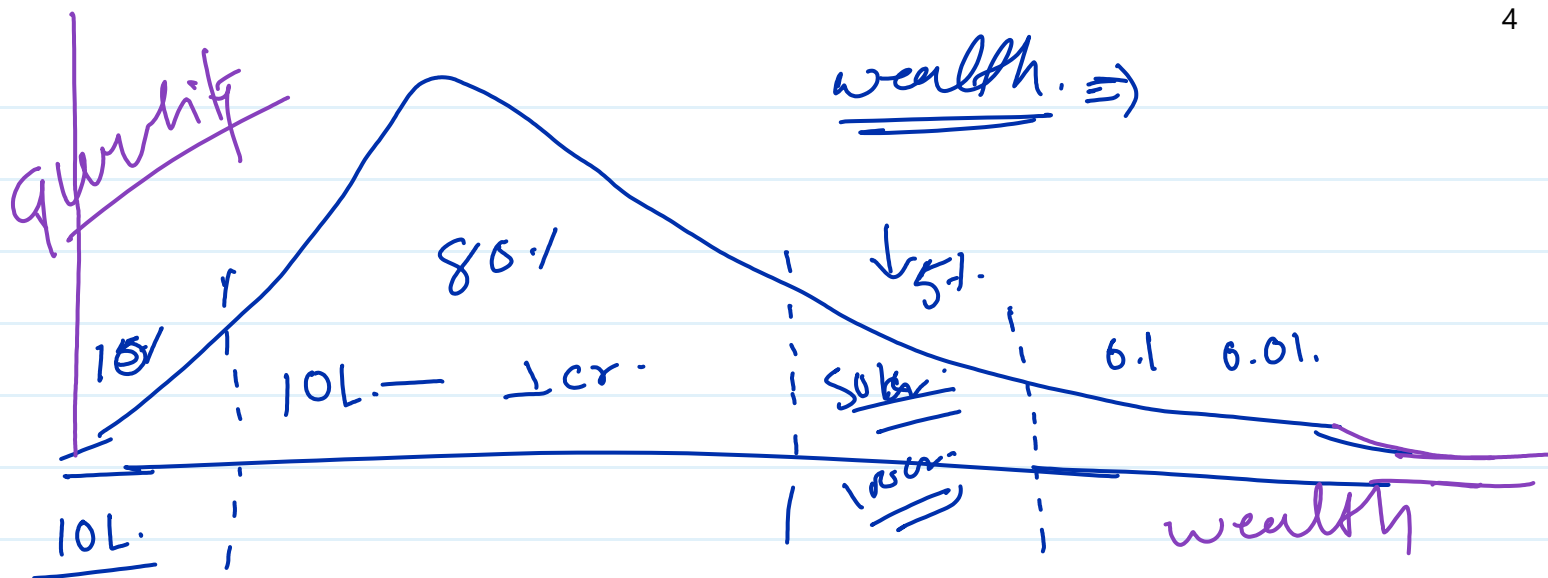
if $k < 3$

(ii) platy kurtosis

if $k = 3$

(iii) meso kurtosis





Avg life span

* center limit theorem

CLT



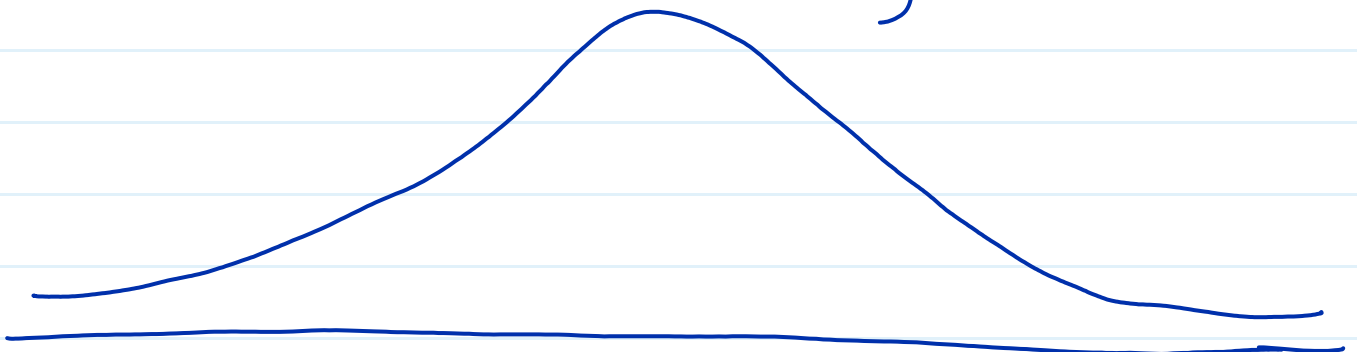
Random sample collect

sample size ≥ 30

no of sample = $n_1, n_2, n_3, \dots, n_{60}$

mean = $\bar{x}_1, \bar{x}_2, \bar{x}_3, \dots, \bar{x}_{60}$

$\{1, 2, 3, \dots\}$



16550

0

30

$\frac{1}{x}$

0

30

$\frac{1}{x}$

0

30

$\frac{1}{x}$

0

30

$\frac{1}{x}$

0

30

$\frac{1}{x}$

1k 0 10L.

0 0 0

10, 9, 8, 8k, 10k

$\frac{1}{x}$