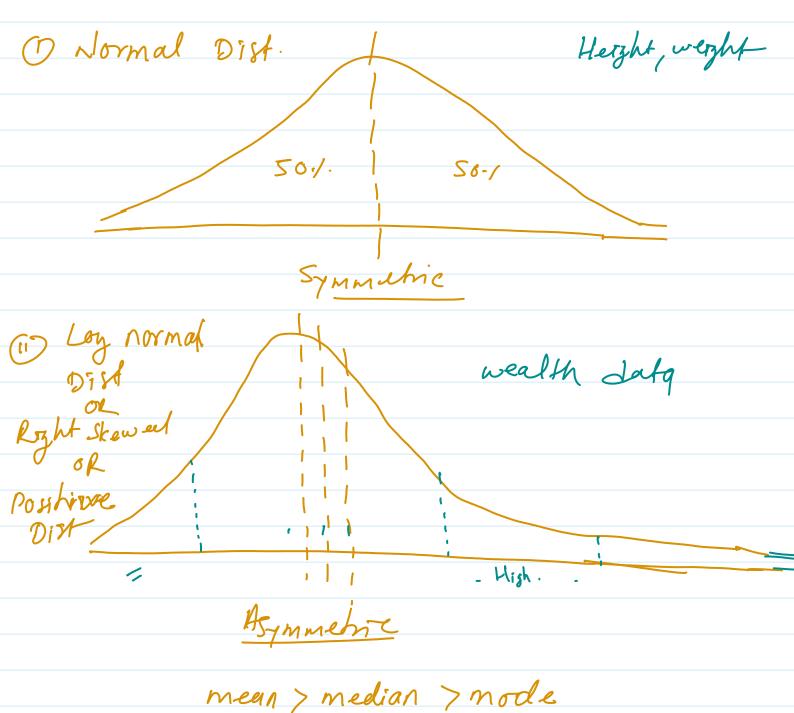
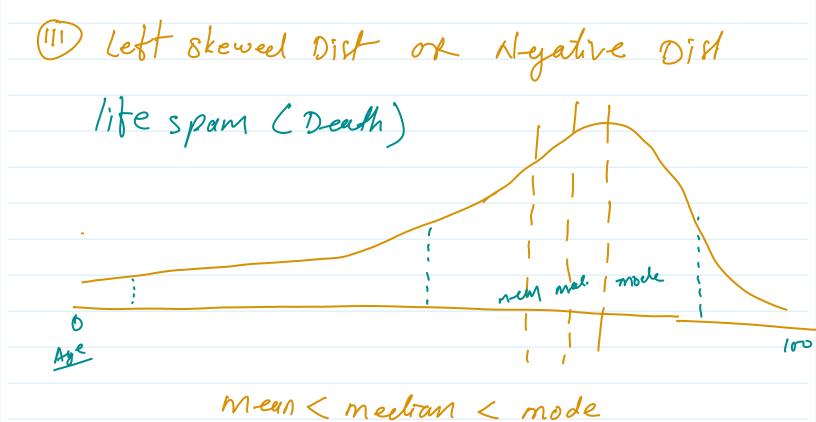
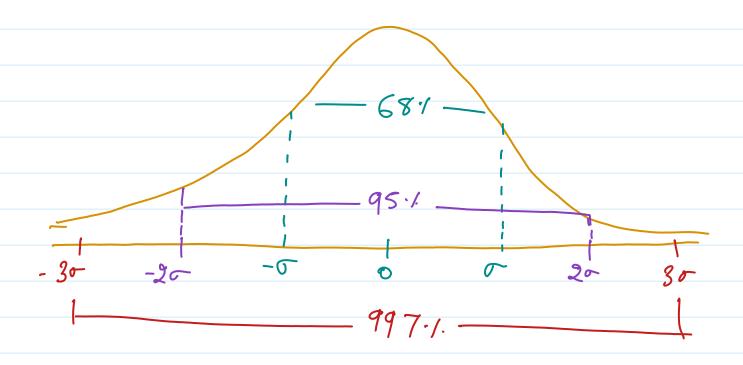
## & Measure of Sheep



mean > median > mode

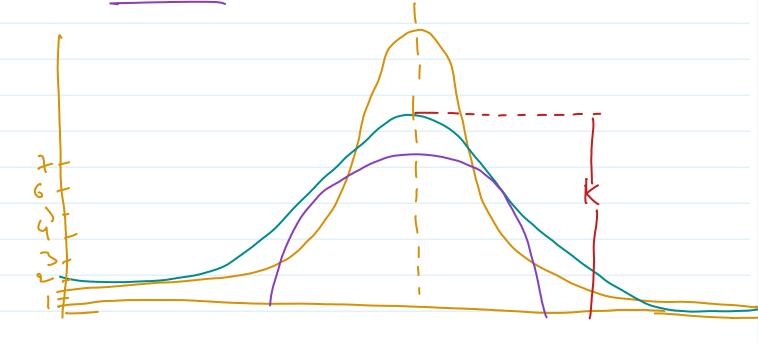


# Emperical Rule of Distribution



\* kurtosis

$$K = 3$$



1 Mesokustosis

1+ k>3

11 Le plo kurtosis

It K< S

(11) Platy kurtosis

## A chebinhev's Inequality

$$P_{r,}(M-\sigma \leq \chi \leq M+\sigma) = 68.1.$$

$$P_{r_e}(U-2\sigma \leq \times \leq U+2\sigma) = 95\%$$

$$P_{r_3}(M-3\sigma \leq X \leq M+3\sigma) = 99.71.$$

Y & Coussian Dist.

$$P_r(U-k_o \leq \gamma \leq U+k_o) \geq 1-\frac{1}{k^2}$$

K is SD., Value of k will be 2 or more than two.

It K = 2

$$P_{\sigma}\left(\mathcal{U}-2\sigma\leq\gamma\leq\mathcal{U}+2\sigma\right)\geq1-\frac{1}{2^{2}}$$

$$\frac{2}{7} = \frac{1}{4}$$

$$\frac{3}{4} = 0.75$$

$$\frac{3}{4} = 0.75$$

$$P_{r}(M-3\sigma \leq 7 \leq M+3\sigma) \geq 1-\frac{1}{3}$$
  
 $\geq \frac{8}{9} = 88.9 \%$ 

$$P_{r}(M-4\sigma \leq \gamma \leq M+4\sigma) \geq 1-\frac{1}{42}$$

$$\geq \frac{15}{16} = 93\%$$