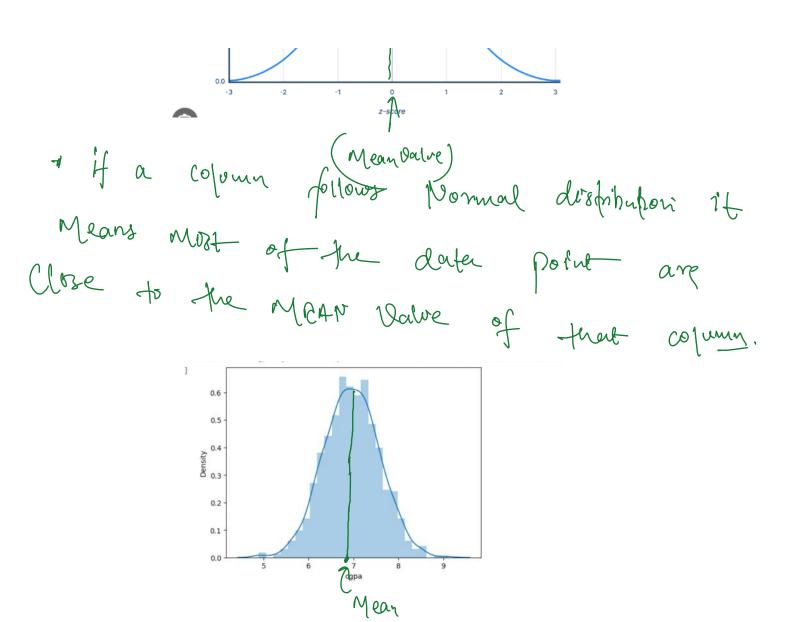
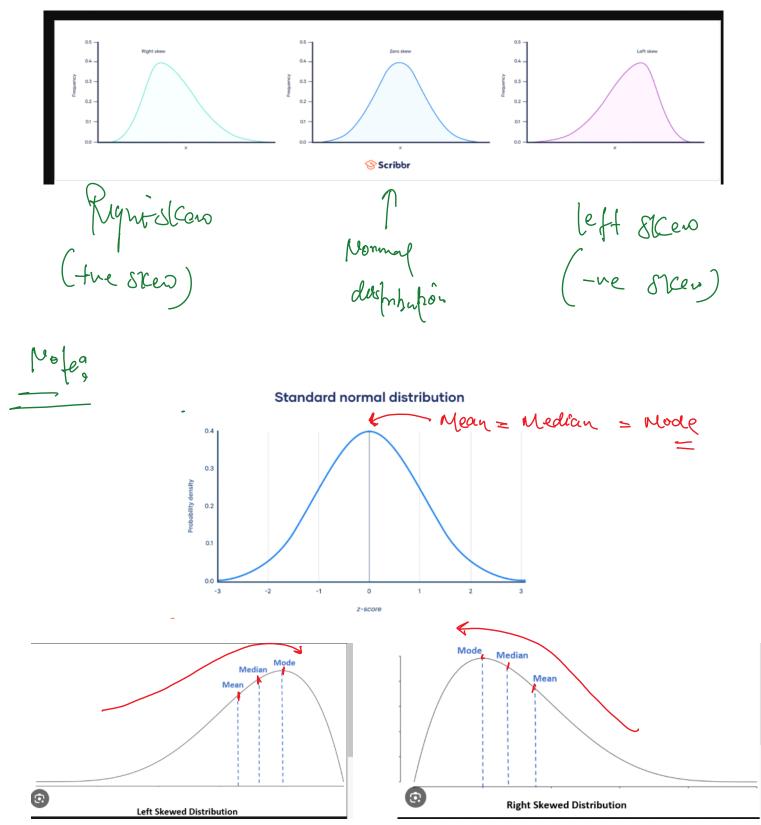
Kecap:-Population * Stapistics Concept * Mean Median Imade * Population and Sample * Standard deviapon Agenda? - * Normal dispribupor * Hypothesis testino Normal distribution + 1+ lé also Called Gaussian Dispribupon. ([Bell (wrie) Standard normal distribution

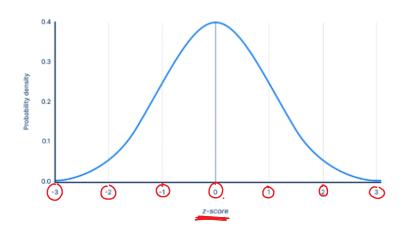




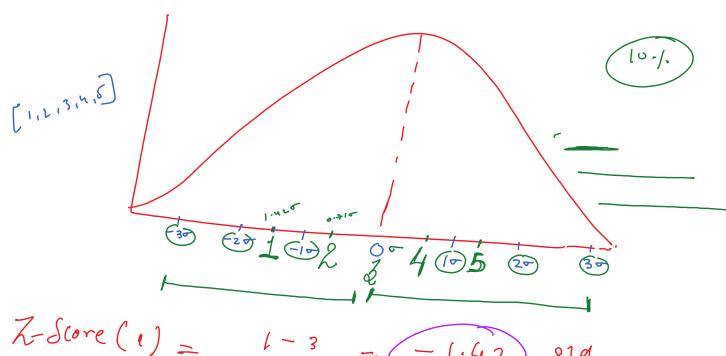
Z-Score: - We use this comept to determine that how many standard deviation a point 18 a far from Mean value in normal distribution

7-Score= Xi-Mean Sta

Standard normal distribution



 $X = \begin{bmatrix} 1, 2, 3, 4, 5 \end{bmatrix}$ Std = 1.414 Mean = 3



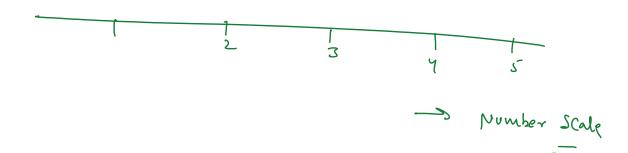
$$7-Score(1) = \frac{1-3}{1.414} = -1.42$$
 879

$$Z-Score(2) = \frac{2-3}{1.414} = -0.71 8td$$

$$2-S(ore(3) = \frac{3-3}{1.414} = 0$$
 Std

Z-Score
$$(u) = \frac{u-3}{1-u \cdot u} = 0.71 \text{ Stof}$$

$$Z - Score(s) = \frac{5-3}{1.414} = 1.42$$
 std



Empenical formula! 1500/0 age: 68-95-99.7 Rule 0.40 0.35 Probability Density 0.20 0.10 0.10 68.27% 95.45% 99.73% 0.05 0.00 μ + 2σ $\mu + 3\sigma$ 68 %. 1900 of H is also Called as 68-95-99-7/ It says If grap h follows porma d'sofrihupon then_ 68% faus under 95% falls under 29·7 Jo falls under std. 80-0-2 of data are Outlier