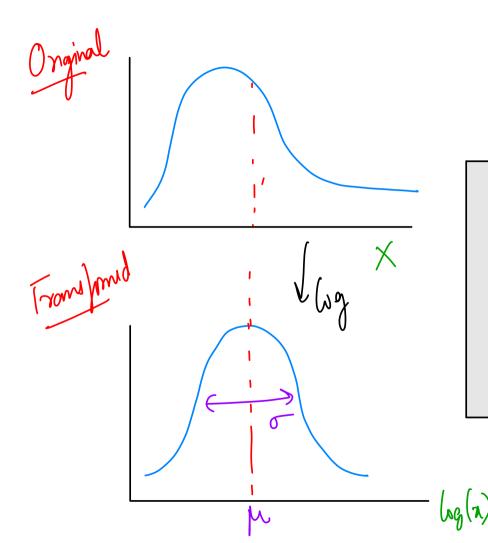
## FEATURE ENGINEERING-1



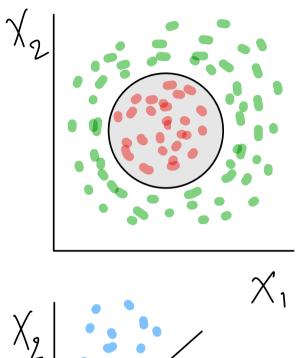
## LOG NORMAL DISTRIBUTED

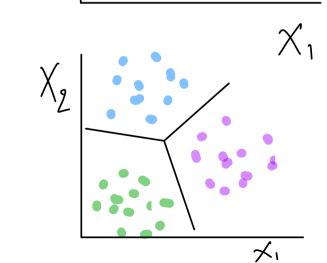
$$E(X) = |X| = e^{\left(\mu + \frac{\sigma^2}{2}\right)}$$

$$Voy(X) = \left(e^{\frac{\sigma^2}{2}}\right) \left(e^{2\mu + \frac{\sigma^2}{2}}\right)$$

featur Emginering Henfit Features/attribution | augyl filmess Educator Mi/esmome Gendu

(lassification impur - Model - pudiction mathematical
function
Ly=matc
Complex complicated Regussion Justing 22 + y2 + 2 gn + 2 fy + C = 0





Height	Weight	BML H2	Fitness	
			)	1

\* Ttest (ttest\_I samp, ttest\_rul, ttest\_ind, ttest\_ind\_fromstals)

~ x (Normalical v/s cargories) \* KS Test ->  $\mu_1 \times \mu_2$ , distributions and diff.

\*  $\chi^2$  - Coolness offit (CATEGORICAN)

\* Test of Independence (CAT VIS (AT)

\* ANOVA -> More than 2grps (Numerical) \* KROSKAL -> when assump of ANOVA FAIL (NUMERICAL V/s NUMERICAL) \* (ORRELATION ->

\* Z test -> M, J/ (Nomerically's Categories)