## FEATURE ENGINEERING-1

LOG NORMAL DISTRIBUTION waiting time  $f(x) = e^{\left(\mu + \frac{\sigma^2}{2}\right)}$  $Var(X) = (e^{-1}) (e^{2\mu+\sigma^2})$  FORTIS Ho: Not Pregnant Ha: Pregnant. \* Reject Ho \* Fail to Rejed Hoy Accept Ho Reality

Not pregnant A

Not pregnant B

Reject Ho

Ho is the TRUE NEGATIVE FALSE POSITIVE (Type I error) Pregnant

Not Pregnant C

Negative Reject to FALSE (Type I ervor)

Accept the

TRUE POSITIVE

Reject to.

Height of Nomal people H= 65 r= 4

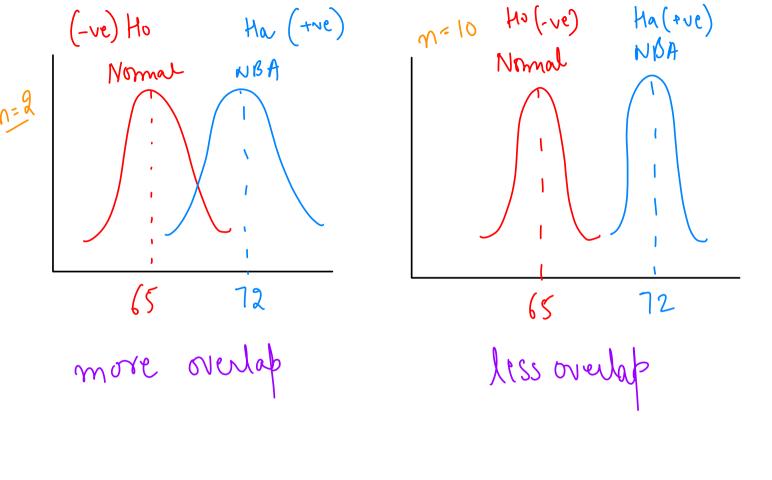
Height of NBA player

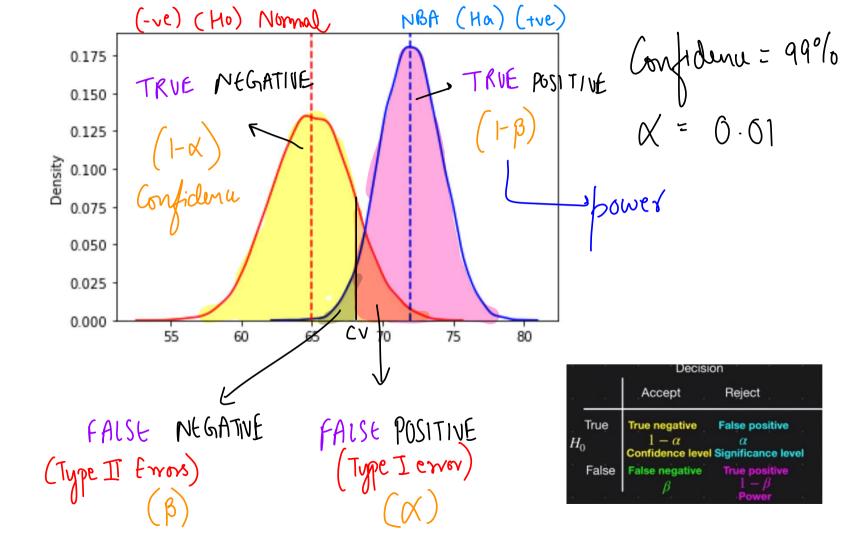
 $\mu = 72$   $\sigma = 3$ 

"Right tailed test"

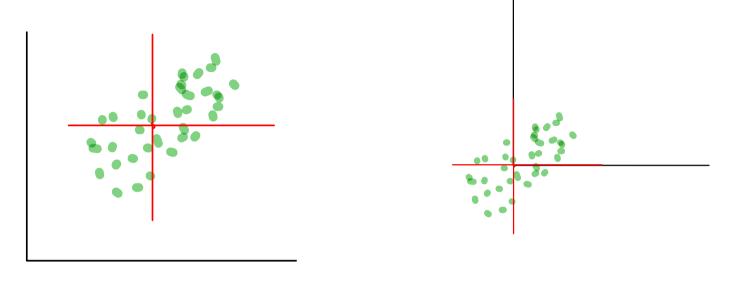
(Normal) (1 ve) Ha. (NBA player) µ>65

99% Confidence X = 0.01





Nom alisation Standardisation Satuset (Min Mark Scaling) m - weight (cms) (m b) o-weight Weights Highes Tareget 21- HW My- min(n) 10060 - 2 CAT man(x)-min(x) 0 ( 006 70000 22 - min(2) -3 man (a)-min (a) 0.3 16000 DU 6 23- MM 5w CAT 14000 0.4 -1,5 CAT 15000 0. CAT 6 20000 006 0.25 45000



 $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$   $\frac{\pi}{\pi}$ 

