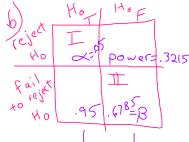
a)
$$H_0: p=.25$$

 $H_a: p>.25$



Hor Hor Type I reject Ho when it's true.

Type I reject Ho when it's true.

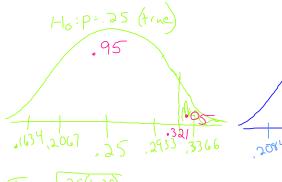
Evid. that more students choose

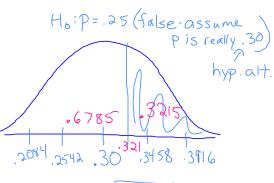
RF tire, when each tire is

actually equally likely.

Type I : fail to reject Howkenit's false Not enough evid to say more Choose RF when they really do.

Calculate Power:





 $\propto = .05$

Find X so that .05 is to right:

2= inrnorm (.95)=1.645 1.645 = X-,25 0433

Z= 1321-,30 ,0458

(18-21)

Ho: P=.154 notaise.

Ha: P<.154 adisc.

P=.037

Type I: Evid shows
H. S.O. is disc.,
but it isn't

Typett) Evid. doesn't Show disc. jbut they are