Lettre 27 (Fine) Mark 241 12/8/16

Heinsty, he van a hypostesia test for equal human geden proposon p:=Plade)

Ho: p=0.5 (dful posser) in he have out so jest willy-will observe our trong

So re choose X=57, 5 mple 512 11=345

Regar Ho Reson Ho Regar Ho Sidel

100 CHRIR les du 05 = [05±2...] = 5.39/

= [05+2.261] Ho com = (996, 559) O.5 Tho Sideil Tess for one proponer

169 who birthe 3 1 = 169 = . 40 E Remins Regin 3 Fail to reject to

Just Ho Like Type Is

X:= P(Tpe I en) yar chome

PERION P = PETERN) L PERION X => PETERN) T

Contil be beauter! No un to know!!

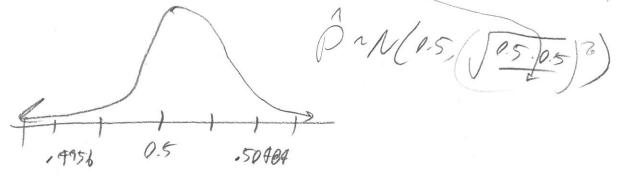
Rem to M/F ratio.

Ho = p = 0.5

Hn: p + 0.5

 $\alpha = 54$ 

In 2000 is USA h= 9,897,000 babes of 3,172,000 rate



Res Royn = [. 79516, 50484]

\$= 0.5/165 => \$\hat{\psi} \dispress{\psi} \text{Ret. Peym => Bj. Ho. Thre is self. \text{\text{Self.}} \text{\text{Peym}} Sufferin cuidence to

believe geroly But I would He before? Why regers how?? n19 => more class (Surists Cart Sepu is ono)

57 => P(Type II om) V Polar T (ability to find affect)

7= P( Ja Ian) no chuye!

e traditional

Ream to = Acupt Ho? No Befor

Ho: p=05

Ha : p + 0.5

X=54. 4=345

X=5%, 4=395 Ho retimal Ho Alex retarial

Acups to for book in consondran. Acups the for book in not a conor. Not sough evidence to your P=0.5 or p=0.5000001 er so my orless

Ho: p= 0.5000001

Ha: pt 0.500001

All screw unks this my, he has a steamy work

he ge snow ender the is to book.

he don't throw theories any hilly they.

ble se Consentre, Here Q is grade.

I) Ho: Alans Pais Evir

Ha: Alone Po Excor

× lon

II Ho: Alan Dois Ever

× high

II Ho; Alon On Exer

Hq: Alien Das Ever

& low

Ho. Alter DA FRISA

Ha : Alma Din Burg

× high

If more than 5% of constances don't like a brien, Nor files show the line is made afor 400 vidos. Ho: p = 0.05 (Good) Ha: p > 0.05 BAD Rabinos Bajos Rycom Roger Ower book The I fen Book The I Since Region Region is only on the side, this is a Right Situal / One sided sent for one preparation. 4 X = Playerson) = Physin Ry)  $1-\alpha-P\left(\text{ferans Pegin}\right) = P\left(Z \leq Z_{\alpha}\right) = P\left(p+Z_{\alpha}\right) = P\left(p+Z_{\alpha}\right) = P\left(\hat{p} \leq p+Z_{\alpha}\right) = P\left(\hat{p} \leq p+$ Reall Zx:= F2 (1-x) => Zx:= F2 (1-x) =) Retorno Paga = (-on, P + 2x) (5) Sun espenson

The Res Regar = Reson Ho = Do mo fire done if p & Res Dogn = Regardo = Fire drawn ,00689 les 0 = 2.5% zq = 2 => Per Rep = (-00, 0.05.2 ) = (-00, .0630)

ly does ,0630 = .05 5

Dere to molemuns. And we mus to be sure we dois common Type I en.

=) p = 31 = .021 & Per Rayin => Fire Orun En expens # con laws = >1

Their groster my to do this:

Ho: Bad drier p = 0.05 Ha: God dries p < 0.05

Regre Ho Pen Ho

Lefo - Sidel Test of De program "

Res. Royin = (p - Za, Tete, oo)

 $= \left( .05 - 2 \sqrt{\frac{.05 \cdot Ar}{1020}}, \infty \right) = \left( .0362, \infty \right)$ 

if pER+ Ray => Report Ho => Fine drag

if p & Reg Right > Royar Ho > Keep driver

-END of Book 291 -

6

Ho: Good down & = 0005

Bis of much Hon to distinguish betier of the ? ful:= P (soing the tests or nove contract / Ho true) = P(P > p / Ho) = P(P ZP / P=0.05) = P(p = ,071 | p=0.05)  $= P\left(\frac{0}{0.05} - .05\right) \ge \frac{0.077 - .05}{.00689}$ = P(Z = 3.05) 2.0018 & Q.1% < X=2.5% = Rgm

Highly conscated! But is use all the sime!