Lee 27 12/3/15 May 291

Testry: I have a strong they probe finde bruke are ever Dr N(p, (F)) 3 Ger dem, suple size of usy SRS fun pop be crefil! When is this? At some pt you have to say too rave! hlir på dogorsøg? C:= P(P being too rome) apporten han albed on book sides Hejour Rej arun

$$= P\left(\left|\frac{\hat{p}-p}{p}\right| \leq 2\right) = P\left(-2 \leq \left|\frac{\hat{p}-p}{p}\right| \leq 2\right)$$

$$= P\left(-2\sqrt{\frac{1}{2}} \leq \hat{P} - p \leq 2\sqrt{\frac{1}{2}}\right) = P\left(p - 2\sqrt{\frac{1}{2}}\right) \leq \hat{P} \leq p + 2\sqrt{\frac{1}{2}}$$

X is your tolemne for error just like for CI's!

Simple 4=345 babies ...

p~ N(0.5, J05(1-1.5)) - N(0.6, 02692)

0.479 0.446 0.473 0.5 0.527 0.534 0.581

A+ x = 0.05 => Pet Pryn = [0.5 ± 2.0269] = [0.946, 0.558]

Now yet the \hat{p} . 169t basin mole $\Rightarrow \hat{p} = \frac{161}{375} = 0.48$

p ∈ Rox Raym => Resm Theory

Why do we reed this? Cris he just tell the D. 98 20.5 and call it 9 day? Flip con 100 soin to see if fav.

Gennin #1: 51 Hels -> Fair

Scarrio #2: 90 Halls > Unfor

Summo #3: 61 Hends => ???

Not so clear

So lets run the test. "hall
Make your steen. Will a typostess," Ho. Then the alterna hypothesis is just parm space Ho Ho: P = 0.5 (con fm)

Formly, a 2-sitel, 1-proposed hypothesis test Fly 100 x: n=100 => P-N(0.5 \(\frac{\abla 5.0.5}{100}\) = M(0.5, 0.052) Retm regn = [0.5 ± 2.05] = [0.4, 0.6] On 61 & Renn Ragen > Rejen Hery! lest y de anster. Des ils se coe!!! If or une alitele passe (nove en this laner) M&M corps said prop. f blu M&mis = 20% Ho: p= 0.2 Hn: p + 0.2 Hon: Pt Vi
X=1/1 => 2051. = 256 | Forthe |

Zirll giro all possible |

Zirll giro, dois hong Perimu Paym = [0.2 ± 2.56 [0.2 (-02)] До еф!

Why should I choose a your of ! When does & = 5% con from?

Resnal Ho Regard Ho to should be icomic He Type Fen Ho is fulse frush t ge I en Who is P(Type I am)? = \propto Von come Tpe I en Ho is still a good stoop FR(Tpe IPen). Bosh 242 hee! bon if The Jan T > The I an I

(Vie very which makes more? To: Drug does my mue

Type IBY: releising a useless dry to muchy! Type Dan; Sozing the dry does nout when is really does!

Ha: Drug nortes

Alarm Gyske Ho: no fire Posmi no dan Ha: file Regers: Soul de 1/mm Toph Iden: Salge alon The I are: no alone who shows a fine (people die) I shall be high to miron Type I en > You reed to decide of who your confindle insh And then contensed thus you my note a neworke! Dan is ventom. You unk keepen bist on venton soff In my screw up! Kerm so M/R mon 4= 4,297,000 Ho: p=05, Ha: p + 05, In 2018 #= 2,173,000 P~N(0.5, 0.5.0.5) V=5% 0.5 .5000 .50726 - 8927A . 885H6 . 8975B Permy Regn = [. 49516, 50887] $\hat{p} = - = 0.51165$ $\hat{p} \in Permin Regn$ => Pejen Ho

6

My did I fail to sopre topae? hat higher in, much more clarity! You with is ver clear! Von hu mue pour" to deser a effect 97 P(Tpe Fen) V P(Tpe Ien) = (no differme) If h gets layer and layer ... more Ho's is the real and will be great... uy? $0.51165 \neq 0.5$ 1165 \$ 0.5 highr... pen a bom more often on why? No one knows... My does "resan + acept"

Retiren runns I'll keep it wil I find south befor...

Accept runn is is the gospel sunch thick you hold on to form

All of science north the my, he has Ho 's for all of our theories... and as soon as he see gove evidence it are not the begal a resorble doubt, he took them.

They so it is retain \$\pm\$ accept?

Ho: \$P = \rightarrow 5, \langle dripto.5

4=345