

$$\left[\hat{p} + \frac{1}{2\alpha} \int_{n}^{p(1-\hat{p})} \right] \approx \left[\hat{p} \pm \frac{1}{2\alpha} \int_{n}^{\hat{p}(1-\hat{p})} \right] = \int_{n}^{\infty} \frac{1}{2\alpha} \int_{n}^{p(1-\hat{p})} \int_{n}^{\infty} \int_{n}^{\infty} \frac{1}{2\alpha} \int_{n}^{\infty}$$

Frequentist Objectivist Interprentation

O Before I bild the CI, P(PECI)=1-d

O If I repeat this procedure many times 1-221 PECI: 1.r.

3 After CI is built P(pECI) E 30,13 \$ 1-0 makes no senge

1-d confidence $t = \frac{19}{15+13} = \frac{19}{28} \approx .679$

 C_{1}^{2} D_{1}^{2} D_{2}^{3} D_{3}^{2} D_{4}^{2} D_{5}^{3} D_{5}^{4} D_{5

 $\frac{26}{2} = 2$.679 - .176 = .503 = [.503,.855]

 $CIP, 99.7\% = [.679 \pm 3\sqrt{.679(1-.679)} = [.415, .943]$ d = .3%

 $\frac{2\alpha}{2} = 3$

 $CIp68/_{o} = [.679 \pm 1] \cdot \frac{679(1-.679)}{28} = [.59,.77]$ d = 327.

Hypothesis testing" I have a theory about p
Does my data comport with my theory?
Theory: prop of male/female humans born is the same.
p:= P(male)=.5 sample size n

