

	$N = 345$ # madel 169 $\hat{\rho} = 169 = .48$ Ret Region $\alpha = 5\%$
	Flip coins 100 times Ash is it fair?  Situation #1 51 heads? Yes, close to 50% Ho = 0.5  95 heads? No. Hato.s  61 heads?  P=61=61  100
	Ret Region = $\begin{bmatrix} 0.5 \pm 2 & 0.5(1-0.5) \end{bmatrix} = \begin{bmatrix} 0.40, 0.60 \end{bmatrix}$ at $0.5 = 5\%$ $N = 100$ $M $
	Say the porp. of ble mam is 20% let say is lying. $x = 5\%$ n = 204
	Hasp = 0.2 Pet (0.2 ± 2   0.2 (1-0.2)] Hasp + 0.2 Region 206
	P = 33 = .160 = [.144,.256]
	then P is inside => then they not line.
, pi	Company of the second property of the second

	Decision P Ho
Ho true	Prob = X Pefain Region P
	when a get smaller Region get bigger so
	Clinical Trial for a drug  Ho: drug doesn't work  Ha: drug works
	Type I: Selling a drug that doesn't work losts type II: Not selling a drug that doesn't work lost;
	Ho: No fire Ha: fire Type I: No fire but that alam lost: arbyring Type II: when Fire, doen't go up lost: people may e on should be big to minimize Type II died.



