ASSIGNMENT 04 SUBHENDU BISWAL Population Hormally Distributed Confidence = 95% X = 0.05 Critical Value Zy = 1.960 Ho; M ≤ 30 hs 1 + test 1 t= 2-12 (5) n= Sauple rue=32.7 h = pp mean S= Sample SD = 16 Hs N = Sample Siter 10 Ub=10-1=9 $=\frac{32.7-30}{4}$ 2.614 P-valu = P (tol=9) 2.614) = 0.014 P=0.014 \d=0.5 Reject the h >30 W/ HA: M > 30] Testry Proportion PED-Reject the Hull Hyp $2 = \frac{p'-p}{} = \frac{0.87 - 0.92}{}$ when hull Hyp is trul P= 0.92 $\sqrt{\frac{P(1-P)}{n}} \qquad \sqrt{\frac{0.92 \times 0.08}{200}}$ Conclude bewer then 92% American abults oron Phone, where fret 9290 Aneica n = 200 Reject Wull Hypothery * Ho: P>0.92 do our plus = -2.6 Type2 WHa: P < 0.92 To Conclude the 92%. American Adults
own cell plones, who inferent 92% forces
American own plones well by talk Prake = 0.0066
Don not resect the null hyp, who it less than \$20.65

Ho! P=0.5 (teir) 14- - 60 Ha: P>0.5 (toward) 7 - 40 Total 100 Po= Proportor of Populator $2 = \frac{P - P_0}{P_0(1 - P_0)} = \frac{0.6 - 0.5}{0.05}$ Pralue = 0.0227 which is less than 0.05 We can reject the null hypothesis The coin is brased towers Hed Home
Nys

Home
N ys

NW 40 89 129

Sw 17 106 123 Ha: Hormown becati & NW 79 177 256

Yank & Exp Sw 34 210 249 X is greater than Critical value Critical value 95%. Confidure Thejet Hull Hypothy Critical = 3.84