SUBHENDU BISWAL ASSIGNMENT 04 Population Hormally Distributed Confidence = 95% Critical Value Zy = 1.960 Ho: M < 30 hs n= Sauple rue = 32.7 1 + test t= 2-12 08=n-1 h = pop mean S= Sample SD = 16 Ms N= Sampler Siter 10 St=10-1=9 = 2.614 P-valu = P (tob=9) 2.614) = 0.014 P=0.014 < d=0.5 Reject the M >30 W/ HA: M > 30) Testry Proporton PED-Reject the Hull Hyp $2 = \frac{p^2 - p^2}{2} = \frac{0.27 - 0.92}{2}$ when hull Hyp is trut P= 0.92 $\sqrt{\frac{P(1-P)}{n}} \sqrt{\frac{0.92 \times 0.08}{200}}$ Conclude bewer then 92% P= 0.87 = 0.05 American adults oron Phone, where fret of yo Ancical n- 200 Reject Wull Hypothery * Ho: P>0.92 do own plus = -2.6 Type2 MHa: P < 0.92 To Conclude the 92%. American Adults
oron ciell plones, who inferest 92% ferver
American oron plones much sib false Prale = 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) Total 100 Po= Proportor of Populator Z = P - Po Po (1-Po) Pralue = 0.0227 which is less than 0.05 We can reject the null hypothesis The coin is brased towers Hed Horie Home sonshi

Horie NW 40 89 129

Sw 17 106 123 Ha: Hormowny beet 1 129 127 256 Sw 34 210 249 $\begin{array}{lll}
\lambda^{2} & (40-79)^{2} + (89-177)^{2} + (19-34)^{2} + (106-210) \\
79 & 177 + 34 & 210
\end{array}$ $\begin{array}{lll}
1 & 177$ X & Greater than Critical value Critical value 95%. Confidure Theyet Hull Hypothy Critical value 95%. Confidure = 19.67