Stars allignmin -3

0

Any

Ho: M= 100

H: U±100

Level of Significance x = 0.05 (accumed)

n=108, n=26, 0=15

 $Zcd = \frac{\tilde{\chi} - u}{\sqrt{n}} = \frac{108 - 100}{\sqrt{36}}$

Zal = 3.2

: Since ZcdYZtch

. . rejed the new hypotheris

ZK= 0.05

ZX12 = 0.025.

242 1-96

1.11 1.2

· (2) Ang

> PI= voters in finst state N= 100 Pr = Voters in Second State n2: 100

NIPI= 10080.52 = 52 nifi= 100×0-47 = 47

ni(1-Pi) = 100 x 0.48 = 48

n1 (1-P2) = 100 × 0.51 = 53

Each are greater than its the Sampletize is large Enorgh

Mean Dift in cample proposion

E(PI-P)) = PI-P2 = 0.52-0.47

c 0.05

Std Difference

od= \P1(1-P1)(n1+P2(1-P2)/n2

0d = V 0.52 x 0-49 (200 + 0.47 x 0.53/100

od= 0.0706

ZP1-P2 = X-UP1-P2

= 0-0.05 × 0.7082

P(Z = 0.7082)

0.24

The prob the divrey will Show greeter generatege of republican voters in record state than in first state in 0.24 (3)

Any

$$\Rightarrow P(Z(Y) = P(Z(\frac{Y-\overline{Y}}{\delta}))$$