SEST - CO3 - 2024-07-22

22 July 2024 09:32

-> Interencing: Desiring Conclusions. -> Mypothesis Fasting: Yas (No. -s Null physthesis : Ho Alternative Myphorsy: H, / Ha /Ha -> houl of lignificance: < Type I Eins. Assume confidence level. > 2-tailed & I -tail test: Les Man graf people is 40 yrs -> 40 or not -> 40 > -> 40 < -> Ho: M=40 against N=40 = H, (2-tail) no: n= 40 garant u> 40 (Kjht Tri))

Ho: M= 40 gardet Uz 40 (Kight Tri) Ho: M=40 against MC40 (Lift Til) -s Critical Rojon: (1-x) as acceptance. -> Hypothesis Forting for Mean: Lo Case I: T is known: Z_c = <u>1</u> - 4. -> 74514 vs - 78695 112-CA T = 14530

(Right Tail Test)

H1: 4> 74814

$$Z_{c} = \frac{\pi}{\sqrt{5n}} = \frac{78635 - 74014}{14530 / \sqrt{112}}$$

$$\frac{1-4}{1-4} = 0.05^{-1}$$

$$\frac{1-4}{1.645} = 0.05$$

-> Computed Value > Critical Value at 5/. L-o-s, we reject the at 5/. L-o-s & accept the

where
$$s_i = \frac{1}{n-i} \int_{-\infty}^{\infty} \sqrt{(\lambda_i - \overline{\lambda})^2}$$