

L> 95% A Let 95% of Confidence table
L> Z = 1.75 from the z-table

L) we need to use t distribution whenever the n<30 if the 50 is unknown

x => Sample Mean

1 => Population Meant

50 >> Standard deviation

n => Sample Size

n < 30 it we know SD we can use normal distribution

$$Z = \frac{\tilde{x} - h}{50/\sqrt{n}}$$

$$= \frac{-0.97}{3.12/37} = \frac{-0.97}{0.198} = 2 -4.89$$