1- $\alpha = 0.95$, $\frac{1}{2} = 0.025$, $\frac{1}{2} = \frac{1.96}{156}$ = 1.96 $\sqrt{10} = 0.95$, $\frac{1}{2} = 0.025$, $\frac{1}{2} = \frac{1.96}{156} = \frac{1.96}{$

 $\frac{1}{1-x} = 0.9, \quad \frac{4}{2} = 0.05, \quad \frac{4}{2} = \frac{2}{3} = \frac{2}{3}$

n=12 , x = 14, 291 67 , S = JΣ(x; -x̄)²/(n-1) = 197 52

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 $\frac{1-\alpha = 0.9}{X \pm t_{5}^{2}(n-1) \frac{3}{5n}} = 1 \pm .291.67 \pm 1.796 \frac{197.52}{512} = 15.291.67 \pm 102.41$

(3) (15.189.26 - 15.189.26 = 204.87 #

 $1-\alpha=0.95, 3\frac{2}{3}=30025=1.96, e=0.01, s=0.05$ $n=\left(\frac{3\frac{2}{3}s}{e}\right)^2=\left(\frac{1.96\times0.05}{0.01}\right)^2=96.04$ $\Re n=97, 97-35=62$