

Variance  $\sigma^2=45$  ,  $\bar{x}=22$ ,  $n=10$  95% $\rightarrow$ 2.5%~ 97.5% $\rightarrow$ 1.96

$$\frac{\rho}{\sqrt{n}} = \frac{\sqrt{45}}{\sqrt{10}} = \frac{3}{\sqrt{2}}$$

$$(C1,C2)=(22-1.96\times\frac{3}{\sqrt{2}}, 22+1.96\times\frac{3}{\sqrt{2}})\\=(17.842, 26.158)$$