

82차 회보일... the lone 동지 244건.

①  $X_i \sim N(\mu, \sigma^2)$   
 $\sigma^2 = 4, 49$   
 $n = 5, 10, 15, 30, 50$   
 $\mu = 1000, 10000$  어떤 값?  
95%?  

$$P\left(\bar{x} - 1.96 \frac{\sigma}{\sqrt{n}} \leq X \leq \bar{x} + 1.96 \frac{\sigma}{\sqrt{n}}\right)$$
 하한                      상한

$$(2) \bar{X} \sim N(\hat{p}, \frac{pq}{n})$$

$$P(\hat{p} - 1.96 \sqrt{\frac{pq}{n}} \leq p \leq \hat{p} + 1.96 \sqrt{\frac{pq}{n}})$$



③  $X_i \sim U(0,1) \dots \dots E(X) = \frac{1}{2}$   
 $Var(X) = \frac{1}{12}$

$$\left[ \begin{array}{l} n = 30, 50, 100 \\ \mu = 1000, 10000 \end{array} \right] \textcircled{2}$$

PC  $\bar{x}$  -

one sample  $\hat{p} = 1/3$   
two sample  $\hat{p}_1 = 1/3, \hat{p}_2 = 2/3$

④  $X_i \sim \exp(\lambda) \quad \lambda = 1, 5$

$n = 30, 50, 100$

$\mu = 1000, 10000$

⇒ due: 8월 25일까지 원상 //

 $\Rightarrow$