## 对題 3、

n=10, x = 13.63, S=6.05, h-1=9 1-x=0.98, ==0.01

x + tx(n-1) = 13.63 + tao1(9) 510

= 13.63 ± 2.82/x 1.9/

= 13.63 ± 5.39

即(8.24,19.02)

## 習題 4. 大樣本(2)

(1) n= 1>00 ) \$ = 0.33 , 1- x = 0.98

0.33 ± Z × \(\frac{\hat{r}(1-\hat{r})}{n}\)
= 0.33 ± > 321 × \(\frac{\hat{r}(1-\hat{r})}{1200}\)

= 0.33 ± 0.3 BP (0.30 5 0.36)

(>) n=8>0,  $\chi=650$ ,  $\hat{p}=\frac{650}{870}=0.19$ 

=0.19 ± 0.03

EP (0.76, 0.82) &

習題 19

ti) ルニザ, 末=1.73, S=0.8 1- Q=0.95 (七分百己)

to(n-1) = to(0) (14) = 3.145

1.73 ± to.10 (14) 0.8

1-x=0.8

 $1.73 \pm t_{0.025}(14) \frac{0.8}{\sqrt{15}} = 1.73 \pm 2.145 \times \frac{0.8}{\sqrt{15}} = 1.73 \pm 0.345 \frac{0.8}{\sqrt{15}}$ 

= 1.73 ± 0,44

95% RP(1,29, 217) 80% RP(1,45,2101)