





15 randomly selected students had a mean age  
05 31.9 Yrs with Standard deviation of  
9.5 Yrs. 
$$n=15$$
  $\bar{\chi}=31.4$   $S=9.5$   
31.9 Yrs.  $n=15$   $\bar{\chi}=31.4$   $S=9.5$   
31.9 Students, C-level:.98  $\bar{\chi}-E < JI < \bar{\chi} + E$   
Since D is unknown  $31.4 - E < JI < \bar{\chi} + E$   
Since D is unknown  $31.4 - E < JI < \bar{\chi} + E$   
 $E = tay_2 \cdot \frac{S}{J\pi} = 2.624 \cdot \frac{9.5}{J15}$   $31.4 - 6.4 < JI < 31.4 + 6.4$   
 $e = 6.436 \approx 664$   $a = 1 - decimal since$   
 $\pi = 0$   $t.01$   $\pi = 3.624$   $\pi = 31.4$   $S=9.5$   
 $1 - decimal since$   
 $\pi = 0$   $t.01$   $\pi = 31.4$   $S=9.5$   
 $R = 31.8 - 25.0 = 31.4 = 31.4 = 25.0 < JI = 31.4 < JI = 31.8 < JI = 31.8 < JI = 31.8 < JI = 31.8 < JI = 31.4 < JI = 31.8$ 

Salaries of randomly Selected 15 nurses are SI=1 given below: 1) find x es. 5400 4800 7000 6800 Round to 7500 5620 6580 **JS00** whole # 4950 6000 5950 x=6071 5050 S= 932 tave for 99%. Conf. level. 2) find 3) find 99%. .99 005 .005 Conf. interval III Sor mean Solary t.005 J=0 J UNKNOWN of all nurses. ds=n-1=11 Since J is t.005=invT(.995,11)=3.106 UNKnowN=> Use TInterval E= 6907 -5235 (5235.4,6906.6) Inpt: Stats 2 Since point-estimate 7= 6071 - 1836 元 is a whole #, S= 932 We round to 51 = p whole # 2 = 6907 + 5235. C-level: .99 5235<A<6907 Calculate 2 6071 2

20 randomly selected exams had a mean of 86.5 and Standard deviation of 12.8. \$S=12.8 2=86.5 **n**=20 Sind Conf. interval for the mean of all exams ZInterval (J Known) Not given C-level TInterval (J Unknown) Use .95 (80.509,92.491) Inpt: (Stats) Since Z is in Z:86.5 1- decemal, we S: 12.8 \_39=1-1=19 round to 1-decimal n:20 4 80.5× 11<92.5 C-level: .95 Calculate) 92.5+80.5 -81.5 92.5 X= Ē: 6 2 2 You can work on SG 22 & SG 23] 286.5 we need to talk about minimum Sample Size. You can learn about by watching the video on the right-hand side of so 22 ; so 23. Exam II: Tuesday 90. 11 to SQ 21 + Exam 1 You can start as early as 6:00 AM.

Sind taxe Sor a=.05 with 25=8. a/2=•05/2=•025 ,95 .025 .025 t.025 anti M=0  $(1-\alpha) \cdot 100/. = 95/.$ t.025 o Unknown Middle Area: 95 8=8 Lest Area JS t.025= inv T(.975, 8) = 2.306 what is 25? You take 10 Jonuts to work. choices 10 people All Together 10 First person >> 9 Second " -> 8 -Third df=10-1=9 4 0 You have 7 clean shirts. Last "1 donot You only wear clean shirt. leff Monday -> 7 choices 1-7-I Tuesday -> 6 " =16 Wednesday -P 5 6 Sunday -> O choices (I clean shirt)