3. h= 10 \(\bar{\chi} = 13.63 \) n-1=9 1-0:08 x=0.01 及土土な(ルナ)= 丁=13.63土1.01(9) 605 = 13,63 ± 2.8=|x|91 = 13,63 ± 5,39 (8.24, 19.02) # 4, c1) N=1200, A=0.33 1-0=0.98 0.33 = Z = (PG-P) = 0.3312.329x 10133x0/69 20.33±0.3 = (0.30,0.36)# (1) N= 820 X= 820 A = 650 = 0.79 1-d=0.95 d 20.075 0.79 1 1.96x 0.78 x021 8.20 = 0.79 ± 1.96x0.014 = 0179+ 0103 = (0,76,0,82) +

14. (U) n = 15 $\sqrt{2} = 173$ 'S=0.8 $1-\alpha = 0.95$ $L^{\alpha}_{2}(n-1) = L_{0.025}(14)$ = 2.145 $1.73 \pm L_{0.025}(14) = 0.8$ $= 1.73 \pm 2.145 = 0.8$ $= 1.73 \pm 1.345 = 0.8$ $= 1.73 \pm 1.345 = 0.8$ $= 1.73 \pm 1.345 = 0.8$ $= 1.73 \pm 0.28$ = (1.45, 2.01) = 1