mas170.04.21 Agenda Tuesday, April 21, 2020 leftovers: Ch 20 dt, RevEx V, 4,91 Ch 21 discussion B3 A4,4,8 Ch 20 C4 p370 old fraction of 0's= 1/2 = fraction SD (oll 3) = $(1-0)\sqrt{\left(\frac{1}{2}\right)\left(\frac{1}{2}\right)}$ (Shortcut) ch (7) Rev 2,7,9 Ch 20

Rev 2,7,9 Ch 20

Set up box!

P371 50 (60%) = (1-0) \(\frac{5}{6} \) expected percent (IIs) = percent I's SE (%1's) = 50 (box) \ 1000 500 (60,000) [5] (75%) (20,000) [1] (25%) expected (%1's indrang) = 25% the percent I's in draws will be exactly 28% 1 single sample expecta(9,1's) is 25% ± % 1's in donaus will be about 25% ± (2%) $50(60x) = (1-0)\sqrt{(.25)(.75)} \approx .433$ Ch21 = SD(50x) \500,100% ~ 1,94% $\frac{(27)}{500} = 25.4\%$ ⇒ 600 Ch 20 #9 p 373 ave $(box) = \frac{1}{3}$ SD(box) = (1-0) /3:3 expected ($\underline{\text{Sym}}$) = $\frac{1}{3}$. $\underline{\text{600}}$ = $\frac{1}{2}$. $\underline{\text{600}$ Ch 21 A 4,7,8 Sto Sample Somple box >460 without replacement 1 simple roadom souple hospi = 7 11's -2.75% sample 11 with > 100 employees 100 employees 389 with < 100 employees 200 employees 11 (8) 1:7- 11 - 2.75% 50m/le (%1's) = 11 400 7 2.75% Est. 31's in box, ~ 2.75% ± (182%) SE(9,1's) $=\frac{5060x}{400}$, $\frac{400}{100}$ = $\frac{827}{100}$ best estimate what if \((.03)(.97)\) (.17)

bootstrap method p 380 50(box) = (1-0) (20)(20) = .4 $SE(7.1/s) = 50(10x)\sqrt{400}.100\% = 2\%$ A8 est for 201e in bux Sample 1: 72 1's $\frac{72}{400} = 18\%$ (a) 18% $\pm \sqrt{(18)(.82).400}$ = 1.92% Sample 2: 84 I's = 21% = 21% = 24.5% (b) 21% $\pm \sqrt{(21)(.74)}\sqrt{400}$ (00%) = 2.03% = 24.5% (contide to contide the sample 3: 48 1's = 24.5% (contide to contide the sample 3: 48 1's = 24.5% (contide to contide the sample 3: 48 1's = 24.5% (contide to contide the sample 3: 48 1's = 24.5%sample 3: 98 I's

next time 7 cont'd

next time

p 383 C3