ch18 rev ex 2,4

Thursday, April 2, 2020

Ch 18 Rev Ex #2

(3) $\sum \text{Expected Sum} = 4.400 = 1600$ $SE Sm = \sqrt{5.5400} = 20\sqrt{5} \approx 44.72$

500 | 600 | 500-1600 | = -2.24 | 2.24

Ans: 50+ 197.22 ~ 98.6% or 99%

 $\frac{1}{2} = \frac{1}{4}$ $\frac{1}{2} = \frac{1}{4}$

Expected sum = $\frac{1}{4}$. $\frac{1}{400} = 100$ SE sum = $\frac{\sqrt{3}}{4}$. $\frac{1}{400} = 5\sqrt{3} \approx 8.66$

50m of 400 draws 100

 $t = \frac{90 - 100}{8.66} \approx 1.15$ Ans: $\frac{100 - 75}{2} \sim 13\%$

75

Rev Ex #4 ch 18

-> 25 drews ave (box) = 1/2 ST) (box) = 1/2

Expected sm = 12.5

5mof 25 draws 2 2 = 11.5 - 12.5 = -0.4 Ans: 1 of 31% ~ 15 or 16%

Check! using binomial formula

 $\rho = \frac{25!}{12! \cdot 13!} \left(\frac{1}{z}\right)^{12} \left(\frac{1}{z}\right)^{13} \approx 15.5\%$ Wahoo!

n= 25 K=12

Area

31