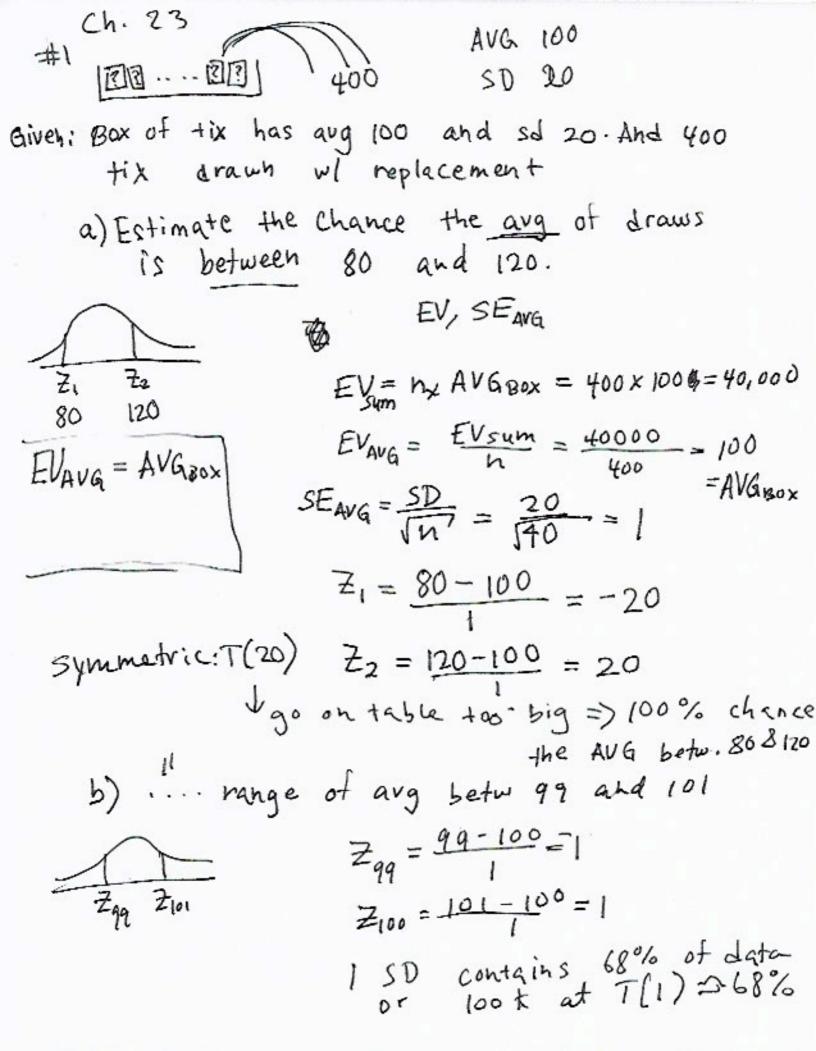


Just memorize this



) (#) ... 50,000 ... (#) 1000 draws

AVGGOX = 8.7

SD_{BOX} = 9.0

SD_{data} = 9.0 EV_{Sum} = AVG_{BOX} = 8.7

SE_{Sum} = \$\int 1000 \times 9 \times 285

a) 8.7 mi, 0.3 mi.

b) 95% CI: (EV-28E, EV-RSE) =(8.7-2(0.3) = 8.7+2(0.3) =(8.7 ± 0.6 miles)

Note

DATA: 15D 15D 17.7

can't have negative distances: realistically its bad to use normal curve for this problem since data is skewed (left?)

#4 Can't be done: This is simple random sample of households, but a cluster sample of people. Cluster = household & people w/in household may have similar commuting practices. i.e. longer commutes to town for certain household which affect SE.

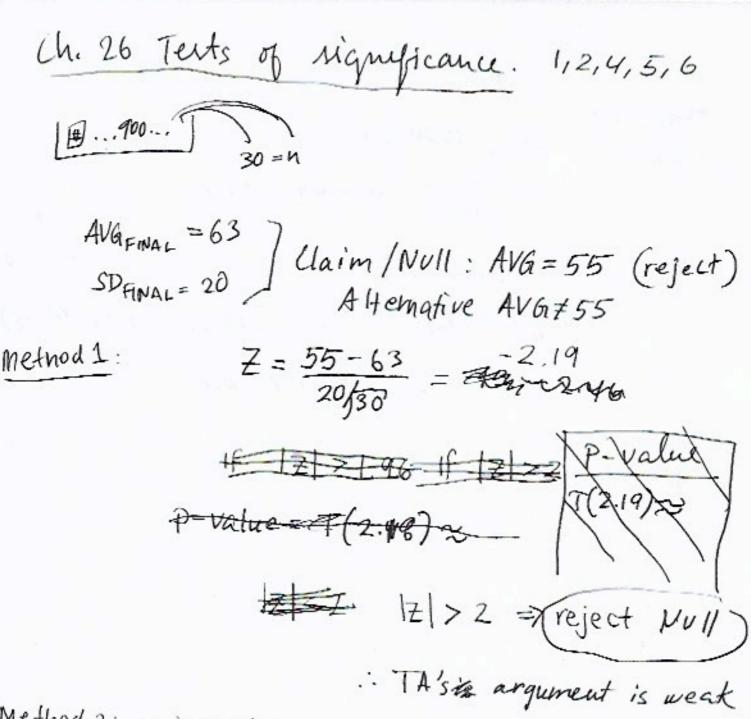
1 ... 5000 ... 1 1000 0 = head of house does NOT commute 721/1000 = P 1 = 11 - 4 commuter 1 - 721 - 1- D 1-721-1-p $SD_{BOX} = \int \frac{721}{1000} \times \frac{279}{1000} \times 0.45$ SE = [1000 x 0.45 = 02004 14 SE% = 000 x 100% = [1.4%] EV% = 72.1% 95% CI: (72.1-2(1.4)%, 7.21+2(1.4)%) a) True: interval is "aug ± SE" b) Thee: section 21.3

(2) SEE SOLW = (72.1±2.8%)

c) The data don't follow normal curve

d) False: 325 is not the SD.

c) False: the normal curve is being used in probability lustogram



Method 2: & interval test

9 _ 5

AVGox et:

SPBOX = 2.

EVAVG = 2500 1.7

SE=2.3 = 0.0009 0.046

95% CI: EV = 2(0,046)

EV + 2 S FAUG = (1.7 - 2(0.46), 1.7+2(0.46)

· 1.7±0.1

10 Skip for time.