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Math 080
DUE 12 Aug 2020

<u>The Last Homework Hopefully # 67,68,69,71,95,96,97</u>

67.
    a. Yes, true because the sampling distribution is around the same mean as the data distribution
    b. True , The larger the sample size the closer it is to normal
    c. no. when the sample size is large, the standard deviation of x and x (with a line) will eventually match up

68.
    a. X~N(36,10)
    b. 98%
    c. 26

69.
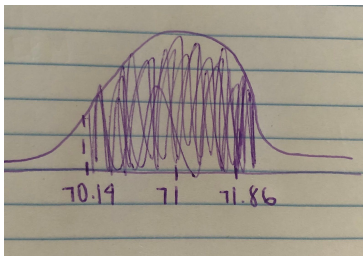   a. x=yearly income in 3rd world country
    b. Average salary from sample of 1000
    c. X~N(2000,258)
    d. If the numbers are more spread apart the standard deviation can be greater than the average
    e. Because as the numbers increase, the probabilities decrease

71.
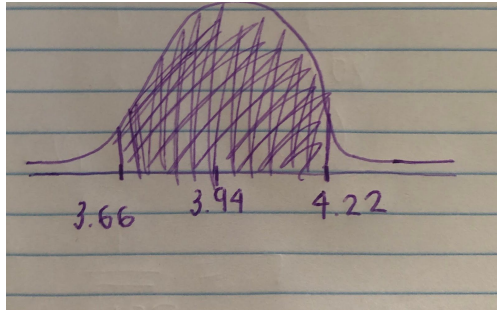   a. B. X~N(4.59, .10/sqrt of 16)

95.
    a. i. 71
       ii. 3
       iii. 48

    b. The height and the mean height of the swede men
    c. A normal distribution
    d. confidence intervals (70.14,71.86)

96.
    a. The length and mean length of conferences
    b. Normal distribution
    c. confidence intervals (3.66,4.22)

97.

    a. i. 23.6

        ii. 7

        iii. 100

    b. Time needed and mean time needed

    c. Confidence intervals (22.9,24.3)