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Frequentist Concepts In-Class

10/21/2021

1. dbinom(3, 4, 0.75)

42.19%

1. pbinom(3, 4, 0.75)

68.36%

1. 1- pbinom(3, 5, 0.75)

63.28%

1. pnorm(1.2, mean=2, sd=2)

34.46%

1. 1-pnorm(1.2, mean=2, sd=2)

65.54%

1. pnorm(3.2, mean=2, sd=2) - pnorm(1.2, mean=2, sd=2)

38.12%

1. The shape of the histogram more closely resembles a normal distribution with continued samples. The histogram follows the shape of the skewed beta distribution.
2. The shape of the histogram begins to resemble a normal distribution that follows the shape of the skewed beta distribution, but with an increased sample size it takes the shape more quickly than with a sample size of 1.
3. The shape of the histogram quickly begins to resemble a normal distribution that is tighter than either of the other 2 histograms.
4. The sampling distribution is dependent upon the sample size and the sample standard deviation, so changing the sample size is going to directly affect the sampling distribution.
5. The two main factors that determine the width of the sampling distribution of the mean are sample size and the standard error.
6. There are 15,625 possible 3 character words.
7. B x 25

xm(xn) = xm+n

m+n = 1,312,001 m=1,312,000 n = 1

x = 25

xm = B

251 = 25