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Analysis of Environmental Data

Frequentist Concepts

- dbinom(3, size= 4, prob= 0.75)
 [1] 0.421875
- pbinom(3, size= 4, prob= 0.75)
 [1] 0.6835937
- 1-pbinom(3, size= 5, prob= 0.75)
 [1] 0.6328125
- 4. pnorm(1.2, mean= 2, sd= 2) [1] 0.3445783
- 5. 1-pnorm(1.2, mean=2, sd=2) [1] 0.6554217
- oneorless<-pnorm(1.2, mean = 2, sd = 2) threeorless<-pnorm(3.2, mean = 2, sd = 2) answer<-threeorless-oneorless answer
 [1] 0.3811686
- 7. The histogram becomes smoother as you continue to sample. The bins fill in and start to stabilize around a certain percentage.
- 8. The bins on the skewed side of the data filled in and stabilized, but with less spread than before.
- 9. The data forms a really tight distribution on the skewed side of the data.
- 10. As the sample size increases, the spread of the data gets tighter because you have a better representation of the true population with increasing samples.
- 11. The sample size and the relationship between α and β
- 12. 25^3 = 15,625 possible 3 letter combos
- 13. B= 25^{1,328,400}