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Week 5 Reading Questions

October 10th, 2021

Q1: The size of the sample space is 6.

Q2: I could collect three acorns of the same species.

Q3: I could collect three acorns of different species.

Q4: The probability that the acorn in my left pocket is Q. alba is 3-9.

Q5: The probability that the acorn in my right pocket is Q. macrocarpa is 3-9.

Q6: The probability that the acorn in my right pocket is Q. alba is 3-9.

Q7: The probability that both acorns are Q. rubra is 11%.

Q8: The probability that I collected one Q. alba and one Q. rubra is 2-9.

Q9: The probability that my left pocket has Q. alba, and my right pocket has Q. alba is 2-9.

Q10: The size of the sample space is infinity.

Q11: The size of the sample space is 11.

Q12: The characteristics that makes them good for counts are that the sample space only has two elements, and they are independent events.

Q13: A binomial distribution may be better than Poisson if we are trying to find out the sample space for rolling two dice that each have six sides.