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Homework

Please answer the following questions. Be sure that you have downloaded the associated Excel file before beginning the homework. This lesson uses the **JulyConditionalHW.xlsx** file.

*Remember that homework counts for 20% of your final grade. You are allowed **unlimited** attempts per question for homework problems. The main goal of homework is for you to practice and learn how to apply what you've learned in the content without worrying about getting the problem right the first time. Some homework problems may also provide hints or advice. Have fun!*

M2L4HW1

1/1 point (graded)

A roulette wheel contains the numbers 0, 00, 1, 2, ..., 36. Suppose you bet that 00 will win on each of 25 spins. After 25 spins, what is the probability that you have won at least once?

☐ .48

☒ .49 ✓

☐ .50☐ .51

✓ Correct (1/1 point)

M2L4HW2

1/1 point (graded)

Suppose that 10% of all adults watch "The Bachelor" television program and that half of all adults are men. Assume that 80% of "The Bachelor" viewers are women, compute the probability that a given woman is a viewer of "The Bachelor."

☒ .16 ✓☐ .17☐ .18☐ .19

Submit

✓ Correct (1/1 point)

M2L4HW3

1/1 point (graded)

A bowl contains 4 red balls and 6 blue balls. Two balls are drawn (without replacement) from the bowl. Given that the second ball is blue, what is the chance the first ball is blue?

☐ 3/9

☐ 4/9

☒ 5/9 ✓

☐ 6/9

Submit

✓ Correct (1/1 point)

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