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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 **JulySampleSizeHW.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!*

### M4L5HW1

1/1 point (graded)

In a Presidential election poll, how many voters need to be sampled so we can be 95% confident that our estimate is within 2% of the true percentage of voters preferring the Democratic candidate?

☐ 2200

☐ 2201

☐ 2400☒ 2401 ✓

✓ Correct (1/1 point)

## M4L5HW2

1/1 point (graded)

How many soda cans need to be sampled in order to be 95% confident that your estimate of the average number of ounces in a soda can is accurate within 0.03 ounces? Assume standard deviation of ounces in a can is 0.15 ounces.

☐ 94☒ 97 ✓☐ 99☐ 100

Submit

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✓ Correct (1/1 point)

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## M4L5HW3

1/1 point (graded)

How many American men's heights need to be sampled to be 95% confident that you can estimate the average height of an American man within 1 inch? Assume the standard deviation of an American men's height is 3 inches.

☒ 35 ✓

☐ 37

☐ 39

☐ 41

Submit

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✓ Correct (1/1 point)

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