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Homework

Please answer the following questions. Be sure that you have downloaded the associated Excel file before beginning the homework. The first three problems in this lesson use the **JulyConfidenceHW.xlsx** file. The last problem in this lesson uses the **JulyBlythHW.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!*

M4L4HW1

1/1 point (graded)

Assume that the standard deviation of invoice values is \$1,000. A sample of 100 invoices has a mean value of \$5,000. You are 95% confident that the mean size of an invoice is between which two values?

☐ \$4,850 and \$5,150

☐ \$4,900 and \$5,100

☒ \$4,804 and \$5,196 ✓

☐ \$4,800 and \$5,200

Submit

M4L4HW2

1/1 point (graded)

A sample of 100 American males has an average weight of 170 pounds and a standard deviation of 30 pounds. You are 95% confident that the average weight of an American male is between which two values?

☒ 164 and 176 pounds ✓

☐ 160 and 180 pounds

☐ 166 and 174 pounds

☐ 150 and 190 pounds

Submit

M4L4HW3

1/1 point (graded)

You observe an NBA player make 80 of 100 free throws. You are 95% confident that his true free throw percentage is between which two values?

☐ 0.75 and 0.85

☒ 0.72 and 0.88 ✓

☐ 0.78 and 0.82

☐ 0.70 and 0.90

Submit

M4L4HW4

1/1 point (graded)

Be sure to use the **Blyth.xlsx** file for this problem.

A hospital ER saw 250 patients and none contracted a hospital induced infection. You are 95% sure that the actual fraction of ER patients that will contract a hospital induced infection is between ____ and ____.

☒ 0 and .0119 ✓

☐ 0 and .0238

☐ 0 and .0357

☐ 0 and .0523

Submit

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