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Question 1

How much money do professional bull riders earn by participating in an event?

1. Create a new variable that equals the "average earnings per event" in the 2012 season for each bull rider in the dataset.

2. Make a histogram of your "earnings per event" variable.

3. Use this data to answer the following questions.

*Use the "BullRiders.csv" dataset to answer the following questions. Instructions for installing "BullRiders.csv" can be found under the **Examine the Data** unit in this week's **Pre-Lab** section.*

 (1 point possible)

1a. Have we met the assumptions for being able to calculate a **95% confidence interval** to estimate the true mean earnings-per-event for a professional bull rider (using t)?

○ Yes

○ No ✔

Hide Answer   *You have used 0 of 1 submissions*

Help

(1 point possible)

1b. Make a **histogram** of this log-transformed variable. Notice how the distribution shape has changed. Can we reliably calculate a 95% confidence interval for the mean of this transformed variable?

○ Yes ✔

○ No

Hide Answer   *You have used 0 of 1 submissions*

(1 point possible)

1c. What is the **mean** of the log-transformed earnings-per-event variable? *(Round to 2 decimal places.)*

[   ]

[   ]

Answer: 8.77   02/27/2015 07:00 PM

| Hide Answer | *You have used 0 of 1 submissions* |

(1 point possible)

1d. What are the lower and upper-bounds for a **95% confidence interval** around this transformed mean? *(Round each to 2 decimal places.)*

Help

Lower-bound

[   ]

[   ]

Answer: 8.53

| Hide Answer | *You have used 0 of 1 submissions* |

(1 point possible)

Upper-bound *(Round to 2 decimal places.)*

[   ]

[   ]

Answer: 9.00

Hide Answer	*You have used 0 of 1 submissions*

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1e. What are the lower and upper-bounds for a **95% confidence interval** in dollars/event units. *(Round each to whole numbers with no decimal places.)*

Lower-bound

Answer: 5064

Hide Answer	*You have used 0 of 2 submissions*

Upper-bound *(Round to whole number with no decimal places.)*

Answer: 8103

02/27/2015 07:00 PM

Hide Answer   *You have used 0 of 2 submissions*

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