Homework

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

M3L8HW1

1/1 point (graded)

This question uses the exam scores dataset in JulyZScoresHW.xlsx. Given the scores on an exam, compute the z-scores and highlight the outliers. Verify the mean of the z-scores equals 0 and the standard deviation of the z-scores equals 1.

Using the **Rule of Thumb** to define outliers (described by Wayne in Module 1), how many outliers are in the dataset? If you use any other method to identify outliers, you may not obtain the correct answer.

- 0

- 2
- 4 ✔
- 6

Submit

✔ Correct (1/1 point)

M3L8HW2

1/1 point (graded)

This question uses the exam scores dataset in JulyZScoresHW.xlsx. Suppose we made a grading error on the data in Problem 1 above and gave everybody credit for a 5 point question that everybody actually had wrong.

After adjusting the scores, would the z-scores change?

- Yes
- No ✔

Submit

✔ Correct (1/1 point)

M3L8HW3

1/1 point (graded)

When teachers grade on a curve, they often use z-scores to determine grade cutoffs. Suppose in Class 1 the mean score equals 70 and the standard deviation equals 10. In Class 2, the mean score equals 75 and the standard deviation equals 8. Assume a z-score of greater than or equal to 1.5 receives an A grade.

What should be the cutoff for an A in Class 2?

- 83
- 85
- 87 ✔
- 89

Submit

✔ Correct (1/1 point)