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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 **JulyDescriptiveStatsHW.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!*

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### M1L3HW1

1/1 point (graded)

Using the data in the **Problem 1** sheet of the homework spreadsheet, complete the following tasks and answer the following questions.

Identify all outliers for REIT returns to answer the following question. Calculate this using the **Rule of Thumb method** that Wayne covers in the video in this lesson. Do not use any other approach as it may result in the incorrect answer.

In what year(s) is the REIT return an outlier? Select all that apply.

☒ 1974

☐ 1976

☐ 1978

☐ 2006

☒ 2008

☐ 2010



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## M1L3HW2

4/4 points (graded)

Using the data in the **Problem 2** sheet of the homework spreadsheet, complete the following tasks and answer the following questions.

Calculate the daily percentage returns for the Dow Index to answer the following questions.

What was the 3rd largest return, rounded to the nearest first decimal?

What was the 3rd largest return, rounded to the nearest first decimal?

☐ 11.0%

☒ 6.8% ✓

☐ 6.7%

☐ 6.5%

What was the 2nd lowest daily percentage return, rounded to the nearest first decimal?

☐ -7.9%

☒ -7.7% ✓

☐ -7.3%

☐ -6.5%

1% of the daily percentage returns are greater than or equal to what percentage, rounded to the nearest first decimal?

☒ 3.3% ✓

☐ 4.5%

☐ 2.9%

☐ 6.2%

The September 17, 2007 return ranks in what percentile of all daily returns in the given data set, rounded to the nearest first decimal?

☐ 4.1%

☐ 4.8%

☒ 5.3% ✓

☐ 6.8%

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## M1L3HW3

1/1 point (graded)

Using the annual revenues for Microsoft in the **Problem 3** sheet of the homework spreadsheet, calculate the compound annual growth rate to answer the following question.

Given the annual revenues for Microsoft, what is the CAGR?

☐ 7.3%

☒ 7.8% ✓

☐ 8.3%

☐ 8.8%

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