



[Course](#) > [Module 5: Hypothe...](#) > [Testing Equality of...](#) > Homework

Homework

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

M5L6HW1

1/1 point (graded)

Use the data on annual stock and Tbill returns (provided in JulyVariancesHW.xlsx) to determine if Stocks and Tbills returns have equal variance. Use $\alpha = 0.05$.

☐ The variances are equal.

☒ The variances are not equal. ✓

Submit

✓ Correct (1/1 point)

M5L6HW2

1/1 point (graded)

Use the data on annual stock and 10 year bond returns (provided in JulyVariancesHW.xlsx) to determine if Stocks and Bonds10 returns have equal variance. Use $\alpha = 0.05$.

☐ The variances are equal.

☒ The variances are not equal. ✓

Submit

✓ Correct (1/1 point)

M5L6HW3

1/1 point (graded)

You are given the total number of block shots and steals for 14 college basketball teams during 4 games. Determine if steals and block shots have equal variance. Use $\alpha = 0.01$.

☒ The variances are equal. ✓

☐ The variances are not equal.

Submit

✓ Correct (1/1 point)

© All Rights Reserved