



[Course](#) > [Module 3: Random...](#) > [Poisson Random V...](#) > 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 **JulyPoissonHW.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!*

M3L5HW1

1/1 point (graded)

A math model predicts that, on average, a soccer team should score 2.1 goals in today's game.

What is the probability that they score greater than or equal to 2 goals?

☐ 60%

☒ 62% ✓

☐ 64%☐ 66%

✓ Correct (1/1 point)

M3L5HW2

1/1 point (graded)

A book has an average of 1 misprint per 20 pages.

What is the probability that a 200 page book has less than or equal to 5 misprints?

☒ 7% ✓☐ 17%☐ 27%☐ 37%

Submit

✓ Correct (1/1 point)

M3L5HW3

1/1 point (graded)

An average of 300 passengers per hour arrive at security at the Mumbai airport.

In a three hour period, what is the probability that exactly 900 passengers arrive?

☐ 0%

☒ 1% ✓

☐ 2%

☐ 3%

Submit

✓ Correct (1/1 point)
