

STAT 150 HOMEWORK #8

FALL 2023

Due Friday, Oct 27th, at 11:59 PM on Gradescope.

Note that there are *Exercises* and *Problems* in Pinsky and Karlin. Make sure you read the homework carefully to find the assigned question.

1. Durrett, Exercise 2.36
2. Durrett, Exercise 2.59
3. Durrett, Exercise 2.61
4. Pinsky and Karlin, EXERCISE 7.1.3
5. Pinsky and Karlin, EXERCISE 7.3.3
6. Pinsky and Karlin, Problem 7.3.1
7. Pinsky and Karlin, Problem 7.3.3
8. Pinsky and Karlin, Problem 7.3.4
9. Pinsky and Karlin, Problem 7.3.5 (Recall that the Poisson process has $N(0) = 0$, so there is no bird at the far left.)