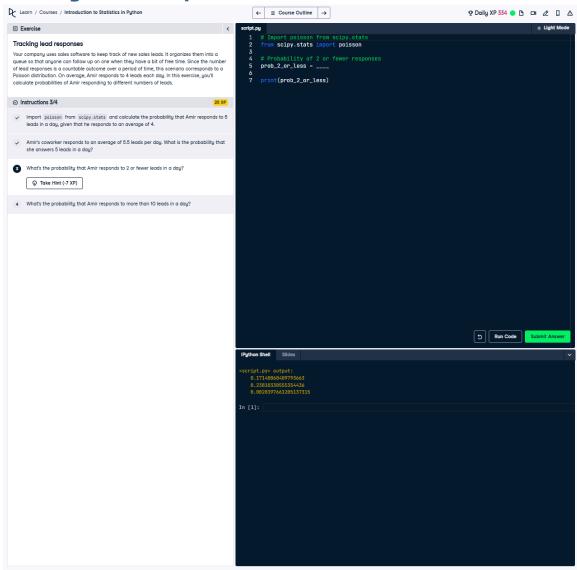
Tracking Lead Responses with Corrected Answer



Question:

Your company uses software to keep track of new sales leads. Amir responds to an average of 4 leads per day. This scenario corresponds to a Poisson distribution. Calculate the probability of Amir responding to 2 or fewer leads in a day using the cumulative distribution function (CDF).

Explanation of the Question:

This task requires computing probabilities using the Poisson cumulative distribution function (CDF) to model the likelihood of Amir responding to 2 or fewer leads in a day. The given average response rate (lambda) is 4.

Corrected Answer:

Import poisson from scipy.stats from scipy.stats import poisson

Use the CDF to calculate the probability of 2 or fewer responses prob_2_or_less = poisson.cdf(2, 4)

print(prob 2 or less)

Explanation of the Corrected Answer:

The corrected solution uses the Poisson cumulative distribution function (CDF) to calculate the probability of Amir responding to 2 or fewer leads. With lambda set to 4, the CDF sums up the probabilities of 0, 1, and 2 responses, resulting in the final cumulative probability.