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Problem 5: Maximum likelihood estimation

(2/2 points)

The random variables $X_1, \ldots, X_n$ are independent Poisson random variables with a common parameter λ. Find the maximum likelihood estimate of λ based on observed values $x_1, \ldots, x_n$.

$\hat{\lambda}_{ML} =$

- $(x_1 x_2 \cdots x_n)^{1/n}$
- $\dfrac{x_1 + \cdots + x_n}{n}$ ✔

- $\frac{1}{\frac{1}{x_1} + \cdots \frac{1}{x_n}}$
- None of the above

You have used 1 of 2 submissions

DISCUSSION

Click “Show Discussion" below to see discussions on this problem.