11. Exercise: Comparison for the coin problem

Exercise: Comparison for the coin problem

1/1 point (graded)

Recall that the MAP estimator for the problem of estimating the bias of a coin is X/n, which is different from the LLMS estimator $(X+1)/(n+2)$. How do they compare in terms of mean squared error (MSE)?

- MAP has a smaller MSE.
- LLMS has a smaller MSE. ✔
- They have the same MSE.

Solution:

The LLMS estimator coincides with the LMS estimator and therefore achieves the smallest possible mean squared error.

提交 You have used 1 of 1 attempt

Answers are displayed within the problem

讨论

显示讨论

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