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Lesson 8

Graded Quiz • 15 min

coursera

Due Nov 8, 1:59 AM EST



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Lesson 8

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Lesson 8

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1. For Questions 1-8, consider the chocolate chip cookie example from the lesson.

1 / 1 point

**Receive grade**As in the lesson, we use a Poisson likelihood to model the number of chips per cookie, and a conjugate gamma prior on λ ,To Pass the expected number of chips per cookie. Suppose your prior expectation for λ is 8.

- The conjugate prior with mean 8 and effective sample size of 2 is $\text{Gamma}(a, 2)$. Find the value of a .

Your grade

80%

16

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The expected value is $a/2 = 8$, so $a = 16$.
We keep your highest score