11/9/21, 4:00 PM Lesson 11 | Coursera



Lesson 11Graded Ouiz • 10 min

coursera

Due Nov 15, 1:59 AM EST

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Quiz • 10 min Go to next item

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1. Suppose we flip a coin five times to estimate θ , the probability of obtaining heads. We use a Bernoulli likelihood for the data **Receive grade** formative (and improper) Beta(0,0) prior for θ . We observe the following sequence: (H, H, H, T, H).

1 / 1 point

To PassBert2860 see twighebserved at least one H and at least one T, the posterior is proper. What is the posterior distribution for θ ?

Your gradeBeta(1.5, 4.5)

100% Beta(2,5)

View Feetablack1.5)

We keep your highest score Beta(1,4)