## **Chapter 6 Quiz**

**Due** Feb 24 at 11:59pm **Points** 5 **Questions** 5 **Available** until Feb 24 at 11:59pm **Time Limit** None

## Instructions

Chapter 6 Quiz

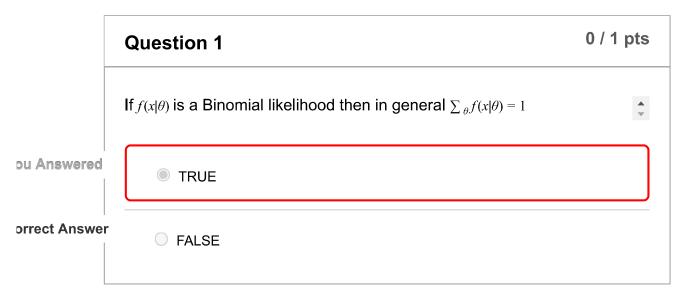
Please read: <u>Chapter-6---Inferring-a-Binomial-Probability-via-Exa\_2015\_Doing-Bayesian-Dat.pdf</u>

(https://canvas.ou.edu/courses/231426/files/44565676/download?download\_frd=1)

## **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	85 minutes	4 out of 5

Score for this quiz: **4** out of 5 Submitted Feb 24 at 6:18pm This attempt took 85 minutes.





B(a,b) =	$= \int_0^{\infty} \theta^{\infty} \cdot (1-\theta)^{\infty} \cdot d\theta \text{ , inen } B(2,4) = \mathbf{!}$
	1/40
	1/30
	1/20
	1/10
	1/5

Correct!

Use BernBeta.R provided by the Book. Ensure that the directory holding BernBeta.R is the working directory. You may need a new window for the plot.

The following questions relate to the making of a posterior and recycling it as a prior. That is think of an experiment having three stages:

- i. Toss a coin once and get a H, prior = Beta(3,3).
- ii. Toss the same coin and get a T, prior = post from a.
- iii. Toss the same coin again and get a H, prior = post from b.

Question 3	1 / 1 pts
The posterior created in i. is:	
O Beta(3,5)	
O Beta(3,4)	

Correct!	Beta(4,3)	
	O Beta(5,3)	
	O Beta(4,4)	
	Question 4	1 / 1 pts
	The posterior calculated by the function in ii. is:	
	O Beta(3,3)	
	O Beta(2,2)	
	O Beta(5,5)	
Correct!	Beta(4,4)	
	O Beta(4,5)	
	Question 5	1 / 1 pts
	The posterior calculated by the function in iii. Is:	
	O Beta(4,5)	
Correct!	Beta(5,4)	
	○ Beta(5,5)	

Beta(6,5)	
Beta(5,6)	

Quiz Score: 4 out of 5