

POUR RÉUSSIR 80 % ou plus

Continuer à apprendre

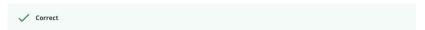
Il semblerait que le fuseau horaire de votre ordinateur ne corresponde pas à celui de votre compte Coursera, paramétré sur America/Los_Angeles. Modifiez votre fuseau horaire Coursera

Probability (basic and Intermediate) Graded Quiz

NOTE DE LA SOUMISSION LA PLUS RÉCENTE

33	3.33%			
	What additional statement, added to the three below, forms a probability distribution?	0 /	/ 1 point	
	(1) I missed only my first class today			
	(2) I missed only my second class today			
	(3) I missed both my first and second class today			
	Incorrect			America/Los_Angeles.
2	My friend takes 10 cards at random from a 52-card deck, and places them in a box. Then he puts the other 42 cards in a second, identical box. He hands me one of the two boxes and asks me to draw out the top card. What is the probability that the first card I draw will be the Ace of Spades?	1/	/ 1 point	Modifiez votre fuseau horaire Coursera
	✓ Correct			
3.	I will go sailing today if it does not rain. Are the following two statements Independent or dependent? (1) "I will go sailing today"	1/	/ 1 point	
	(2) "It will not rain today"			
				America/Los_Angeles. Modifiez votre fuseau horaire Coursera
	✓ Correct			
ı.	The probability that I will go sailing today AND the fair six-sided die will come up even on the next roll is $.3$	1	/ 1 point	
	If these events are independent, what is the probability that I will go sailing today?			
	✓ Correct			
j.	I have two coins. One is fair, and has a probability of coming up heads of.5. The second is bent, and has a probability of coming up heads of.75. If I toss each coin once, what is the probability that at least one of the coins will come up tails?	1/	/ 1 point	
	✓ Correct			America/Los_Angeles. Modifiez votre fuseau horaire Coursera

6. What is the probability, when drawing 5 cards from a fair 52-card deck, of drawing a "full house" (three of a 1/1 point kind and a pair) in the form AAABB?



7. If it rains, I do not go sailing. It rains 10% of days; I go sailing 3% of days.

1/1 point

If it does not rain, what is the (conditional) probability that I go sailing? Written "p(I go sailing | it does not rain)"? America/Los_Angeles. Modifiez votre fuseau horaire Coursera 8. I am at my office AND not working 2% of the time. I am at my office 10% of the time. What is the conditional probability that I am not working, if I am at my office? ✓ Correct 9. The factory quality control department discovers that the conditional probability of making a 1 / 1 point manufacturing mistake in its precision ball bearing production is 4% on Tuesday, 4% on Wednesday, 4%on Thursday, 8% on Monday, and 12% on Friday. The Company manufactures an equal amount of ball bearings (20%) on each weekday. What is the America/Los_Angeles. probability that a defective ball bearing was manufactured on a Friday? Modifiez votre fuseau horaire Coursera / Correct 10. An Urn contains two white marbles and one black marble. A marble is drawn from the Urn without replacement and put aside without my seeing it. Then a second marble is drawn, and it is white. What is the probability that the unknown removed marble is white, and what is the probability that it is black? Correct 11. What is the probability, if I flip a fair coin with heads and tails ten times in a row, that I get at least 8 heads? 1/1 point America/Los_Angeles. ✓ Correct 12. Suppose I have either a fair coin or a bent coin, and I don't know which. The bent coin has a 60%probability of coming up heads. I throw the coin ten times and it comes up heads 8 times. What is the probability I have the fair coin vs. the probability I have the bent coin? Assume at the outset there is an equal (.5,.5) prior probability of either coin. *Please note that in order to fit the entire formula in the feedback, probability has been abbreviated to "prob." Incorrect