<u>Dashboard</u>	My courses In18-S7-EN4553 (116751) 21 Oct 2022 - Probability for Machine Learning - Part II
Quiz 02	
Started on	Friday, 28 October 2022, 4:38 PM
State	Finished
Completed on	Friday, 28 October 2022, 4:39 PM
	1 min 49 secs
Grade	5.00 out of 5.00 (100%)
Question 1 Correct Mark 0.50 out of 0.50	
Normal distribution	on is parameterized by just two parameters, μ and σ^2 .
Select one:	
● True	
O False	
The correct answ	er is 'True'.
Question 2 Correct Mark 1.00 out of 1.00	
respectively. 5% o produced in facto	A,B,C) produce light bulbs. 10%, 20%, and 70% of the bulbs are produced at factory A, B and C of the bulbs produced in factory A, 2% of the bulbs produced in factory B and 3% of the bulbs bry C are defective. A bulb is selected at random.
Answer: 0.03	✓
The correct answ	er is: 0.03

Question 3	
Correct	
Mark 1.00 out of	1.00
What is the	probability of the selected bulb being from factory C if it found to be defective?
Answer: 0	
Allswei. 0	<mark>✓</mark>
The correct	t answer is: 0.7
The correct	. driswer is. 0.7
Question 4	
Correct	
Mark 1.00 out of	100
Mark 1.00 out of	1.00
Answer: 0	√
The correct	t answer is: 0.3
Question 5	
Correct	
Mark 0.50 out of	0.50
In the norm	nal distribution, what is the percentage of probability captured with the $(\mu-3\sigma < x < \mu+3\sigma)$ as a
percentage	
,	
Answer: 9	<mark>√</mark>
The correct	t answer is: 99.7

J.32 AIVI	Quiz 02. Attempt review	
Question 6 Correct		
Mark 0.50 out of 0.50		
In the distribution, when $lpha=2$ and $eta=2$, the function is	symmetric.	
Select one:		
● True ✔		
O False		
The correct answer is 'True'.		
Question 7		
Correct		
Correct Mark 0.50 out of 0.50		
Mark 0.50 out of 0.50 Match		
Mark 0.50 out of 0.50 Match Knowing one variable does not help to predict the other.	No correlation.	÷ •
Mark 0.50 out of 0.50 Match	No correlation. Depends on the scale of individual variables.	
Mark 0.50 out of 0.50 Match Knowing one variable does not help to predict the other.		
Mark 0.50 out of 0.50 Match Knowing one variable does not help to predict the other. Covariance	Depends on the scale of individual variables.	‡
Mark 0.50 out of 0.50 Match Knowing one variable does not help to predict the other. Covariance When one variable goes up, the other one goes down.	Depends on the scale of individual variables. Negative correlation.	*
Mark 0.50 out of 0.50 Match Knowing one variable does not help to predict the other. Covariance When one variable goes up, the other one goes down. A variable can depend on the other but have	Depends on the scale of individual variables. Negative correlation. No correlation.	
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Previous activity

