



## EN.605.647.83.SP21 Neural Networks

Course Modules

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Lectures and Quizzes

Review Test Submission: Quiz

11.2

## Review Test Submission: Quiz 11.2

User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 11.2
Started	4/12/21 7:47 PM
Submitted	4/12/21 7:48 PM
Due Date	4/20/21 11:59 PM
Status	Completed
Attempt Score	8 out of 8 points
Time Elapsed	0 minute
Instructions	Please complete this quiz after viewing recorded lecture 11.2.

Results Displayed Submitted Answers, Feedback, Incorrectly Answered Questions

## Question 1

2 out of 2 points



The joint probability of a visible vector  $v$  and hidden vector  $h$  depends only on the weights associated with the connections between the visible layer nodes and the hidden layer nodes.

Selected Answer: False

Response Feedback: Correct.

## Question 2

2 out of 2 points



The derivative of the log of the probability of a vector  $v$  with respect to weight  $w_{ij}$  involves two terms which are

Selected Answer: b. expectation values of the product  $v_i \times h_j$ 

Response Feedback: Correct.

## Question 3

2 out of 2 points



Contrastive Divergence is based on the derivative of the log of the probability of a visible vector with respect to weights  $w_{ij}$ .

Selected Answer: True

Response Feedback: Correct.

**Question 4**

2 out of 2 points



Contrastive Divergence is a method that uses estimates of the derivative of the log of the probability of a vector  $v$  with respect to weight  $w_{ij}$ .

Selected Answer: True

Response Feedback: Correct.

Monday, April 12, 2021 7:48:27 PM EDT

← OK