



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 7:33 PM
Submitted	4/12/21 7:36 PM
Due Date	4/20/21 11:59 PM
Status	Completed
Attempt Score	6 out of 8 points
Time Elapsed	3 minutes
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

0 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: c_i marginal probabilities of the product $v_i \times h_j$

Response Feedback: Incorrect.

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 7:36:13 PM EDT

← OK