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BRIAN LOUGHRAN   9 ▼

EN.605.647.83.SP21 Neural Networks   Course Modules   ...   Lectures and Quizzes   Review Test Submission: Quiz 11.1

Review Test Submission: Quiz 11.1

User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 11.1
Started	4/12/21 7:26 PM
Submitted	4/12/21 7:26 PM
Due Date	4/20/21 11:59 PM
Status	Completed
Attempt Score	14 out of 14 points
Time Elapsed	0 minute
Instructions	Please complete this quiz after viewing recorded lecture 11.1.
Results Displayed	Submitted Answers, Feedback, Incorrectly Answered Questions

Question 1   2 out of 2 points

A Restricted Boltzmann Machine (RBM) is in effect a Boltzmann machine where certain links have their weights set to a negative value.

Selected Answer: False

Response Feedback: Correct. Some links in a BM have weights of 0

Question 2   2 out of 2 points

A Restricted Boltzmann Machine (RBM) is in effect a stochastic version of Binary Associative Memories.

Selected Answer: True

Response Feedback: Correct.

Question 3   2 out of 2 points

RBMs can stochastically generate images that are very similar to handwritten numbers.

Selected Answer: True

Response Feedback: Correct.

Question 4   2 out of 2 points

A Belief Network is akin to a series of stacked RBMs only with some intralayer connectivity.

Selected Answer: False

Response Feedback: Correct.

Question 5

6 out of 6 points

The energy function of an RBM with vector v = (1,1) and vector h = (1,0) with weights w_{vh} where $w_{11} = 2$, $w_{12} = 1$, $w_{21} = -3$ and $w_{22} = 2$ is:

Selected Answer: 1

Response Feedback: Correct.

Monday, April 12, 2021 7:26:44 PM EDT

← **OK**