



EN.605.647.83.SP21 Neural Networks

Course Modules

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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 7:22 PM
Submitted	4/12/21 7:25 PM
Due Date	4/20/21 11:59 PM
Status	Completed
Attempt Score	12 out of 14 points
Time Elapsed	3 minutes
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

0 out of 2 points



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

Selected Answer: True

Response Feedback: Incorrect. Please review the recorded lecture again.

Question 5

6 out of 6 points



The energy function of an RBM with vector $\mathbf{v} = (1,1)$ and vector $\mathbf{h} = (1,0)$ 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 7:25:56 PM EDT

← OK