EN.605.647.83.SP21 Neural Networks   Course Modules   ...   Lectures and Quizzes   Review Test Submission: Quiz 12.3

Review Test Submission: Quiz 12.3

User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 12.3
Started	4/22/21 6:45 PM
Submitted	4/22/21 6:46 PM
Due Date	4/27/21 11:59 PM
Status	Completed
Attempt Score	6 out of 8 points
Time Elapsed	0 minute
Instructions	Please complete this quiz after viewing recorded lecture 12.3.
Results Displayed	Submitted Answers, Feedback, Incorrectly Answered Questions

Question 1   2 out of 2 points

Self-Organizing Maps (SOMs) utilize the MAXNET algorithm to determine which node has weights that are 'closest' to an input vector.

Selected Answer: True

Response Feedback: Correct.

Question 2   2 out of 2 points

SOMs require some rule to establish which nodes in the network are adjusted.

Selected Answer: True

Response Feedback: Correct.

Question 3   0 out of 2 points

The neighborhood function in an SOM provides a scalar value that is a function of the winning node and another node in the network.

Selected Answer: False

Response Feedback: Incorrect. This is the purpose of the neighborhood function.

Question 4   2 out of 2 points

The weight vector of a node in an SOM must be modified by its immediate neighbors.

Selected Answer: False

Response Feedback: Correct.

Thursday, April 22, 2021 6:46:25 PM EDT

← **OK**