Review Test Submission: Quiz 13.2

User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 13.2
Started	4/28/21 8:24 PM
Submitted	4/28/21 8:25 PM
Due Date	5/4/21 11:59 PM
Status	Completed
Attempt Score	4 out of 6 points
Time Elapsed	0 minute
Instructions	Please complete this quiz after viewing recorded lecture 13.2.
Results Displayed	Submitted Answers, Feedback, Incorrectly Answered Questions

Question 1

0 out of 2 points

Radial Basis Functions computes a metric between input vectors and weight vectors based on the Euclidean norm.

Selected Answer: True

Response Feedback: Incorrect. Any metric space can theoretically be used, e.g., |x – w| not just Euclidean norms.

Question 2

2 out of 2 points

A Radial Basis Function associated with a perceptron with three inputs would compute a metric between weights and input values from a three dimensional space.

Selected Answer: True

Response Feedback: Correct.

Question 3

2 out of 2 points

Using a Gaussian activation function in conjunction with a Radial Basis Function provides a means for inputs and weights that are 'close together ' to have a higher activation value than inputs and weights that are 'far apart'.

Selected Answer: True

Response Feedback: Correct. If an RBF returns a metric closer to zero, a Gaussian function will have larger values.

Wednesday, April 28, 2021 8:25:15 PM EDT

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