My Institution   **Courses**   Community   Content Collection   Support   Server: T4   Logout

BRIAN LOUGHRAN   14 ▼

EN.605.647.83.SP21 Neural Networks   Course Modules   ...   Lectures and Quizzes   Review Test Submission: Quiz 13.1

Review Test Submission: Quiz 13.1

User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 13.1
Started	4/28/21 8:03 PM
Submitted	4/28/21 8:04 PM
Due Date	5/4/21 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 13.1.
Results Displayed	Submitted Answers, Feedback, Incorrectly Answered Questions

Question 1
2 out of 2 points

A clustering problem is an optimization problem where one attempts to minimize the total distance of points to their cluster centers.

Selected Answer: False

Response Feedback: Correct. It is not always posed this way. In some formulations, the number of cluster centers must be taken into account.

Question 2
2 out of 2 points

One can pose clustering problems as a tradeoff between the number of clusters and the distance of points to their respective cluster centers.

Selected Answer: True

Response Feedback: Correct.

Question 3
2 out of 4 points

A point is an element of a cluster _____. (Choose the best two answers.)

Selected Answers: if its Euclidean distance to the cluster center is smallest.

if it satisfies the criteria for membership of that cluster.

Response Feedback: Incorrect.

Wednesday, April 28, 2021 8:04:07 PM EDT

← **OK**