



EN.605.647.83.SP21 Neural Networks

Course Modules ...

Lectures and Quizzes

Review Test Submission: Quiz

6.2

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User	BRIAN THOMAS LOUGHRAN
Course	EN.605.647.81.SP21 Neural Networks
Test	Quiz 6.2
Started	3/3/21 7:36 PM
Submitted	3/3/21 7:43 PM
Due Date	3/9/21 11:59 PM
Status	Completed
Attempt Score	12 out of 19 points
Time Elapsed	7 minutes
Instructions	Please complete this quiz after viewing the Module 6.2 Recorded Lecture.

Results Displayed Submitted Answers, Feedback, Incorrectly Answered Questions

Question 1

2 out of 2 points



Statistical analysis is necessary to determine whether a particular modification to simulated annealing, such as to a cooling schedule or neighborhood structure, provides a statistically significant improvement to the modified algorithm's performance.

Selected Answer: True

Question 2

7 out of 7 points



Parallel forms of simulated annealing applied to independent processes have the form for the Boltzmann distribution. This distribution is determined by

Selected Answer: C.
using the joint probability of the stationary probabilities associated with each process.

Question 3

3 out of 3 points



Simulated annealing requires a cooling schedule for the algorithm to converge in probability to the globally optimal solutions.

Selected Answer: True

Question 4

0 out of 7 points

Some combinatorial optimization problems are well suited to being solved by simulated annealing because



Selected Answer: E. B and C

← OK