Week 8 Quiz

Due Mar 29 at 11:59pm **Points** 12 **Questions** 3
Available after Mar 23 at 12am **Time Limit** 15 Minutes **Allowed Attempts** 2

Instructions

instructions.png Instructions

This quiz consists of three questions. To be successful with the module quizzes, it's important to read the assigned chapters, practice exercises, and complete the interactive activities. Keep the following in mind:

- **Attempts:** You will have two attempts for this quiz with your highest score being recorded in the grade book.
- **Timing:** You will need to complete each of your attempts in one sitting, and you are allotted 15 minutes to complete each attempt.
- **Answers:** You may review your answer choices and compare them to the correct answers after your final attempt.

To start, click the "**Take the Quiz**" button. When finished, click the "**Submit Quiz**" button.

Technical Support Technical Support

Need help using Canvas Quizzes? If so, please review the following guide: **Canvas Student Guide - Quizzes (https://community.canvaslms.com/docs/DOC-10701#jive_content_id_Quizzes)**

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	12 out of 12

Attempt	Time	Score

Score for this attempt: **12** out of 12
Submitted Mar 27 at 4:22pm
This attempt took less than 1 minute.

Question 1

4 / 4 pts

Sigmoid function g(x) is often used as the activation function in neural networks. Which of the following statements is NOT true regarding sigmoid function?

- With the sigmoid function, the initial values of parameters must be small during training.

Correct!

- (◉) None of the above
- The derivative of g(x) is g(x)(1 – g(x)).
- Sometimes the Sigmoid function can also be replaced by other activation functions such as ReLu and Tanh. Different activation functions have different impacts on performance.

Question 2

4 / 4 pts

Which of the following is NOT true?

Correct!

- (◉) We usually use the same cost function to train regression ANN and classification ANN.

Stochastic gradient descent is helpful in reducing the chance of local minima.

ANN can be used for either regression or classification.

In classification ANN, the output layer may use Sigmoid (for a single class) or Softmax (for multiclass) as the activation function.

Question 3

4 / 4 pts

If the target function is a Boolean function or a continuous function, we need at most TWO hidden layers of a neural network to represent it.

False

Correct!

True

Quiz Score: **12** out of 12