Module 7 - Programming Assignment

- Due Oct 26 at 11:59pm
- Points 80
- Questions 8
- Time Limit None
- Allowed Attempts 5

Instructions

This Assignment requires you to write a computer program that implements the Feed-Forward, Back Propagation Algorithm in a multilayer network. This requires you to incorporate the Back Propagation elements into the program you used for Part a. It then requires you to train the network in two ways and then submit computational results. If you do this correctly, your computational answers should match the correct results. Note, as this is a more involved assignment, you will have an extra week in which to complete it.

- Please read the instructions attached. **Module7ProgrammingAssignment.pdf (https://jhu.instructure.com/courses/83206/files/11342142/download?wrap=1)**

After reading the attached instructions, proceed to write and test your program. Once **your** program is working correctly, come back to this webpage and click on the link above to begin this assessment and proceed to answer the online questions. You will need to keep your program interface handy so that you can run your program to compute answers to the questions. Good luck!

Read the attached instructions, then hit the 'cancel' button below and proceed to write and test your program. Once it is working correctly, come back to this webpage and hit the 'submit' button and proceed to answer the online questions. You will need to keep your program interface handy so that you can run your program to compute answers to the questions. Good luck!

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	92 minutes	20 out of 80
LATEST	Attempt 2	92 minutes	20 out of 80
	Attempt 1	27 minutes	0 out of 80

ⓘ Correct answers are hidden.

Score for this attempt: 20 out of 80

Submitted Oct 26 at 1:59am

This attempt took 92 minutes.

Question 1

10 / 10 pts

After training using Method 1, what is the output of the network (the activation value of the output node) when the network is presented with an input of [1.0, 1.0]? Answer to 4 significant decimal digits.

0.6583

IncorrectQuestion 2

0 / 10 pts

After training the network with Method 1, what is the value of Big E at the end of the training when the network is presented with an input of [1.0, 1.0]? Answer to 4 significant decimal digits.

-0.0901

Question 3

10 / 10 pts

After training the network with Method 1, what is the output value when the network is presented with an input of [-1.0, -1.0]? Answer to 4 significant decimal digits.

0.3817

IncorrectQuestion 4

0 / 10 pts

After training with Method 1, what is the value of Big E when the network is presented with the input [-1.0, -1.0]? Answer to 4 significant decimal digits.

-0.0901

IncorrectQuestion 5

0 / 10 pts

After training the network with Method 2, what is the network output when presented with input [1.0, 1.0]? Answer to 4 significant decimal digits.

0.6023

IncorrectQuestion 6

0 / 10 pts

After training the network with Method 2, what is the value of Big E when the network is presented with the input [1.0, 1.0]? Answer to 4 significant decimal digits.

0.1096

IncorrectQuestion 7

0 / 10 pts

After training using Method 2, what is the output of the network when presented with an input of [-1.0, -1.0]? Answer to 4 significant decimal digits.

0.2381

IncorrectQuestion 8

0 / 10 pts

After training with Method 2, what is the value of Big E when the network is presented with an input of [-1.0, -1.0]? Answer to 4 significant decimal digits.

0.1096

Quiz Score: 20 out of 80