

1. Please submit a link to your GitHub repository for your class.

<https://github.com/prestonprice57/MachineLearning/blob/master/NeuralNetworks.py>

2. Describe your overall approach to implementing the algorithm in code. How are your classes/data structures organized? How do you keep track of the necessary pieces for back-propagation.

I used a dictionary to store my layers and weights. To keep track of my back-propagation I simply update the values in the dictionary.

3. Describe the part of the assignment that gave you the most trouble, and how you overcame it.

Back-propagation was outputting large weights and the numbers ended up overflowing int. I did not overcome this problem.

4. Produce at least one graph to show the training progress for the Iris dataset.

Did not get this far.

5. Compare your results on the Iris dataset to those of an existing implementation.

My implementation was much worse than Iris.

6. Produce at least one graph to show the training progress for the Diabetes dataset.

Did not get this far.

7. Compare your results on the Diabetes dataset to those of an existing implementation.

My algorithm for this one was much worse as well.

8. Describe any efforts you made to go above and beyond.

None.

9. Please state which category you feel best describes your assignment and give a 1-2 sentence justification for your choice: A) Some attempt was made, B) Developing, but significantly deficient, C) Slightly deficient, but still mostly adequate, D) Meets requirements, E) Shows creativity and excels above and beyond requirements.

B. To be honest this assignment was hard and it came during a time I was preparing for internship interviews so I fell behind and it was hard to catch up.