

Journal Report 5

9/30/19-10/6/19

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Period 4, White

Daily Log

Monday September 30

Today, I ran ageron's basic neural network demo. I was able to edit it to do one of the AI 2 labs.

Tuesday October 1

I was able to run ageron's RNN demo. I had a little trouble reading through all the lines, but was able to get a decent grasp of the machinations of the network. This is similar to a LSTM so, that should be easier to understand now.

Thursday October 3

I took another look at the PyTorch LSTM demo today. It made a bit more sense than last time, but I was able to edit the inputs and outputs and what the network was doing.

Timeline

Date	Goal	Met
9/22	Edit the LSTM demo to solve different problems	No, but with the GitHub repository, I think I have a plan to accomplish this
9/27	Create a basic network using TensorFlow	Yes, installed TensorFlow and ran the demo
10/4	Edit the LSTM demo	Yes
10/11	Have an LSTM that can perform simple tasks	
10/18	Have an LSTM ready to be trained on data	

Reflection

I had a bit more success this week with ageron's tutorial, a lot of the pieces started coming together. The once mysterious "tensor" has begun to take shape in my mind. Additionally, it took a while, but I finally realized part of the reason why the PyTorch LSTM demo was so confusing was that part of it was method specifically for tagging parts of speech, which doesn't really have anything to do with machine learning. Once I got around that, it was easier to identify the lines of code that specified the inputs, outputs, and training.