

## Journal Report 10

11/19/19-11/24/19

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Period 4, White

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### Daily Log

Detail for each day about what you research, coded, debug, designed, created, etc. Informal style is OK.

#### Monday November 20

I set up GitHub with my local machine, so now I can upload from there rather than uploading first to the CSLab server then to GitHub.

#### Tuesday November 21

I worked on inputting data in the LSTM. Unfortunately, I found that the structure from the demo wasn't very suitable to what I was trying to accomplish. More specifically, the tagging mechanism didn't really have an analogue in my project.

#### Thursday November 23

I decided to change from an LSTM to an RNN for the time being, just to make sure everything works before adding in the bells and whistles. The set up for the RNN went a lot faster and I was able to get to a point where I was ready to test.

## Timeline

Date	Goal	Met
11/15	Begin training on meteorological data	Not quite, but close
11/22	Have an LSTM ready to be trained on data	Yes
11/29	Successfully predict the temperature	
12/6	Finish other variables	
12/13	Interpret results	
Winter Goal	Have a full set of results with 75 percent accuracy.	

## Reflection

I realized that it would be much more work to edit the LSTM demo that I had been working with than to just build my own, or re-purpose the RNN demo I had been working with. The demo is much better organized, so it was easier and quicker to toy around with. Also, ageron's tutorials helped a lot. The method's were all conveniently named, so all it took was just changing the specific methods to suit my needs. Hopefully, I can begin training soon.