Journal Report 8
10/28/19-11/10/19
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Daily Log

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

Monday October 28

I hurt my right hand so typing was difficult. I did some reading on LSTMs.

Tuesday October 29

I completed my presentation as well as wrote and memorized the script.

Thursday October 31

I presented today. I've begun to restructure the LSTM demo to handle my inputs, this involved setting up the layers as well as writing a method to gauge error.

Thursday November 7

I was able to successfully create an LSTM structure capable handling inputs, but I am thinking through what would make sense to be inputted.

Timeline

10/18	Have an LSTM ready to be trained on data	No, closer
10/25	Begin training on meteorological data	No
11/1	Finish building the structure of the LSTM	Yes
11/8	Begin training on meteorological data	No
11/15	Begin training on meteorological data	Not quite, but close

Reflection

I was able to get familiar enough with the LSTM demo to be able to alter the structure in any way that I wanted. However, I have begun to wonder in what ways it would be best to input my data.

I could have an input for each variable, so one for temperature, one for wind speed, one for humidity, and so on and so forth but, with that structure, how would having more data points help?

I could input, say, 10 days of variables, but that would be a lot of inputs.

Alternatively, I could take in weekly or monthly averages and put in those.

I think I'll try them all and see which one works best.

Winter Goal

I will have my first set of results with 75 percent accuracy to observation