

## Journal Report 4

9/23/19-9/29/19

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Period 4, White

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### Daily Log

#### Monday September 23

I decided to take another look at my data today. I was able to parse it into a .csv file, which makes it easier to read into Python.

#### Tuesday September 24

I went through ageron's tutorials on linear models and decision trees. I also ran some of those demos and read through the code to understand what he was doing.

#### Thursday September 26

I worked on pip installing TensorFlow to my IDE. Some of my packages needed updating, so I also updated those. Additionally, I familiarized myself some of ageron's basic TensorFlow demos.

## Timeline

Date	Goal	Met
9/15	Edit the LSTM demo to solve different problems	No, toyed around with LSTM, but wasn't able to change it to perform different tasks yet
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	
10/11	Have an LSTM ready to be trained on data	

## Reflection

I began this week by looking through a lot of ageron's examples. Eventually, it became evident that to follow his tutorials, I would need to switch from PyTorch to TensorFlow. I tried to install TensorFlow into Spyder but recieved this error.

```
SystemExit: 1
ERROR: tensorboard 1.14.0 has requirement setuptools >=41.0.0,
      but you'll have setuptools 40.2.0 which is incompatible.
ERROR: Cannot uninstall 'wrapt'. It is a distutils installed
      project and thus we cannot accurately determine which files
      belong to it which would lead to only a partial uninstall.
C:\Users\Will\Anaconda3\lib\site-packages\IPython\core\
      interactiveshell.py:2634: UserWarning: Unknown failure
      executing module: <pip>
warn('Unknown failure executing module: <%s>' % mod_name)
```

I found that setuptools couldn't really be upgraded using pip, so I switched to Google Colab and was able to run the demo.