Journal Report 9
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Daily Log

Monday November 11

I wrote the method that creates the model. I used two convolutional layers, two max pool layer processes, and three fully connected layers.

Tuesday November 12

I wrote most of the main method for the project. I defined the nuber of epocjs to be 300 (I'm not sure if that's a good number, just thought I'd start with that for now) and tried to read in the data, but I was getting some errors ("the function type does not match") when I realized my files were excel instead of csv. I started the error propogation, but did not get too far into it.

Saturday November 16

(I wasn't in class on Thursday). I finished the error propagation, but I'm not really sure if it works since I haven't tested my program with the csv files yet. Also, numpy and the other packages I imported now have red lines under them, which makes me think they were not downloaded, even though I thought I had in the beginning of the year and the red lines weren't there originally. I have to figure out how to import/download those.

Timeline

Date	Goal	Met
Oct 21	Write the predict and fit methods and begin to write the network class.	Yes, and I finished the network class also.
Nov 4	Finish the tutorial to learn how to do my own model	No, I decided to stop the tutorial since I wanted to start my own model. So I half fulfilled this goal.
Nov 11	Continue the model. At least finish the Defining the Model part, and begin to Compile the model by defining the optimizer.	Yes, but I kind of abandoned that other article since I realized it was talking about image processing as well. I'm just writing the model based on a bunch of other articles and things I find online.
Nov 18	Keep writing the model and finish the first draft of the code. Figure out why numpy and other packages have not been imported properly.	
Nov 11	Fix all data imports and run the model to see if I produce any sort of intelligbale result. If I am getting errors, try to fix those so I can rerun it the following week.	

Reflection

I would say that at this point I am more than halfway done with writing the model, but far away from actually finishing it since it will take a lot of debugging and refining, even when I start to get decent results. My winter goal was to finish the model before winter break and test it on 2017 data to compare my model's 2018 results are close enough to the actual 2018 results and receive a low percent error. I have made decent progress writing the code this week, but I think in a couple weeks I may have to get help from someone/some resource online to fix the problems and questions I have with numpy, importing and reading the data, and the error propagation section of the code.