Journal Report 15
1/13/20-1/17/20
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Daily Log

Monday December 13

I read about the different networks I could implement and decided that I would start implementing the Recurrent Neural Network because I am dealing with sequential data.

Tuesday December 14

The RNNs allow for data to be taken at different time steps, so it weighs the data points that occurred more recently as more important, which is one of the weightings I want to make. To weight each factor individually, I decided to multiply that xlist factor by a specif iced multiple based on my R values. I read about interpretations of R values to figure out this multiple for each factor.

Thursday December 16

I looked on github on examples of RNNs to see how it was different than the current model I had written and some similarities between them so I could see what I might have to implement myself.

Timeline

Date	Goal	Met
Jan 6	Research possible options to improve the accuracy of the model.	Yes, more research is still needed though.
Jan 13	Figure out some possible options on how to include the stats into the model to make it more accurate.	Yes, I decided on RNNs.
Jan 20	Start writing the RNN and determine the multiple to increase the weight for each factor using their previously calculated R values.	
Jan 27	Continue working on the model and be almost done with it.	
Feb 3	Finish the model to increase accuracy.	

Reflection

I hope the RNN improves the accuracy of my code, and the weight calculations do as well. I will continue to look for monthly data, but I haven't found any yet.