Daily Log

Monday October 7

I started research about how to complete my predictive analytics model and looked at the different types of neural networks I could use.

Tuesday October 8

I looked into the deep feed forward neural network, since I think that might work best with the scenario that I have. I read 4 articles about the networks and tried to understand the theory behind the network and how I could use it for my own project.

Thursday October 10

I found example snippets of code that looked at differnet classifications and that also explained the difference between many different types of layers in the network, so I looked through and worked on that. I also reinstalled PyCharm so I could begin coding my model in python.

Timeline

Date	Goal	Met
Sept 23	Run a chi-squared goodness of fit test on the factors using R and obtain chi squared values for each factor. Determine weights based on these factors.	Yes, and my p-values were confirmed as to whether the factors were significant or not
Sept 30	Run a chi squared goodness of fit test and use that to affirm the p-values I got from my multi linear regression	Yes, my results are consistent. The multilinear regression was very helpful and is my main source of data.
Oct 7	Determine weights for the factors.	Yes, and I even met my goal for the next week which was to determine what test I wanted to use and begin my model after I had finished my research.
Oct 12	Continue to research the correct model to use and consult Mr. White before or during the coding process	
Oct 19	Continue working on the model; make sure that the data incorporation works by this point.	

Reflection

Since I'm finished with the preliminary work for the model, this week was largely a set-up week for the model. I want to make sure that I am comfortable with the type of model I am going to be implementing and comfortable with how it works before diving right in and maybe later deciding that it would have been better to do it a different way. I'm excited to start the AI/neural nets part of my project now!