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Daily Log

Monday March 2

I added yet more links to my model and I think I'm finally done with my preliminary version of the model

Thursday March 5

I ran the model around 10 times, and each time I changed the number of people that entered each queue to see how the times changed. Because there are a lot of factors in the model that I have just left at the default values, it is showing inaccurate results (such as how large the segments are for wait times).

Friday March 6

I tried to start fixing the default values that would make sense by doing a little more research on what the correct values should be. I plugged in real data and the data that my network produced. I think by the end of next week I should be able to run it with real data.

Timeline

Date	Goal	Met
Feb 17	Start working on the simulation. Create the queuing model and map on paper.	Yes, I attached a picture of the map on the previous journal
Feb 24	Make a list of all of the steps needed to still complete the simulation and finish the project and finish the first	Yes, and I also started the non-linear mode
March 2	Create a non-linear node model	Yes, it is pretty complex at this point.
March 9	Get more reasonable results from the simulation run by changing the default values	
March 16	Continue to work on getting more reasonable results from the simulation run by changing the default values. Also, go back to the neural network and start working on incorporating the statistics in the model from the R script.	

Reflection

Now that my simulation is running, I have to make it better so I can get results that make sense. I'm still trying to figure out how to do that the best possible way, but I think I can get that done within the next two weeks. I then want to go back to my model to incorporate the statistics so I can get a less percent error and fulfill one of my requirements for an A.