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Daily Log

Monday February 24

Worked on making the links in the node more complex (linking to more than one node to not have a linear structure). I realized that I needed to do a little but more research on the exact process for that to happen, though, so I reviewed one of the articles that I had found to remember the naturalization process.

Tuesday February 25

I experimented with the simulation module, in which I analyzed how drastically wait times changed based on the refugee data I put in.

Thursday February 27

Went back to making the simulation more complex by adding more nodes. I also thought about making an exit back to El Salvador to account for those who make the return trip.

Timeline

Date	Goal	Met
Feb 10	Reduce percent error by at least 10 percent.	Yes, I actually got the percent error to an average of 29.76 percent
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 model
March 2	Create a non-linear node model	Yes, it could be improved, but I have a basic version for now.
March 9	Make the model more complex and continue experimenting with the simulation module so when I put in my actual data I know how best to get intelligible results	

Reflection

End of year goal:
For an A: Meaningful research would mean that I have a reasonable accurate prediction (probably under around 20 percent error) given my data limitations, with my SNN incorporating the statistical elements, a working BFAMS run simulation, and a video simulation of migrants travelling through Mexico, a strong TJ Star presentation, a strong paper, and an up-to-date github repo.
For a B: SNN does not incorporate statistics, my BFAMS simulation is not complete and I am unable to show a live demo of it, a strong research paper and TJ Star presentation, and an up-to-date github repo.
For a C: neither my SNN nor my simulation are ”runnable”, I have a github repo, final paper, and a presentation