Journal Report 20
3/1/20-3/7/20
Ben Schuman
Computer Systems Research Lab
Period 4, White

Daily Log

Monday, March 2

Not in class, out sick.

Thursday, March 5

Began filtering out low (¡ 1000) displacements. Showed signs of improvement from preliminary testing, will continue next week trying to see what the best threshold is for ”high” displacement testing.

Timeline

Date	Goal	Met
February 16-22	Finish data filtration and implement coordinate-based input for model.	Yes, finished data filtration, still need to finish implementing coordinate based input.
February 23-29	Finish coordinate-based input for model.	No, but transitioned from coordinate based input to adding in a 3rd input option, time of year (Jan, Feb, Mar, etc.)
March 1-7	Begin three input model training	Yes, got good preliminary results, started filtering out low displacement data.
March 8-14	Assess results of three input model and determine what adjustments to the model (for example, adding in time of month instead of just month) need to be made.	
March 15-21	Analyze results and decide where to take project for last 2-3 weeks of research	
EoY Goal	A - Model performs with high accuracy (at least 75 percent, where a correct output is within 1000 people (for high displacement disasters) with UI for user to easily select inputs and receive output from model quickly. B - Model has UI that allows user to easily select inputs, but model does not perform with high accuracy. C - No UI and model does not perform accurately.	

Reflection

I was out sick for the majority of the week last week, but I was able to get some testing done on the 3 input model that gave promising results compared to the old 2 input model. The results coorelated a lot more with the data, which makes me think that removing the low displacement data entries will give promising results.