

Daily Log

Monday, January 6

Started working on polishing up UI for smoother presentation of results of Neural Network. Began experimenting with secondary NN which flips inputs/outputs (Inputs: People displaced/region), (outputs: natural disaster type)

Tuesday, January 7

Trained Neural Network for preliminary results, got seemingly random results, need to work on smoothing out weights/biases and looking for any fundamental coding errors.

Thursday, January 9

Worked on fixing error with GitHub not committing correctly. Over the weekend continued training network.

Timeline

Date	Goal	Met
December 1-7	Continue training of network for preliminary results.	Yes, will begin training of network permanently next week
December 8-14	Train network to 70-75 percent accuracy for winter goal	Yes, met 70-75 percent goal
December 15-21	Polish UI so project can be easily downloaded from github/complete winter goal of having network run on UI with 70-75 percent accuracy	Yes, completed winter goal
January 13-19	Continue working on "flipped NN", obtain preliminary results	
January 20-26	Finish "flipped NN" and decide if it is a plausible path for continuation of project, if not, pursue geographical denominations for NN inputs	

Reflection

This week, I started on my post-winter break goals for my project. These included deciding the direction I want to take my project for the remainder of the year. Right now, I am primarily deciding between the continuation of my current neural network with more specific geographical data added in, or flipping inputs and outputs for my network to try to create a more accurate model for my project.