

Journal Report 14

1/19/20-1/25/20

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Period 4, White

Daily Log

Tuesday, January 20

Started testing with flipped implementation. Scikit learn took an extremely long time with poor results, however. I encountered this previously with the first implementation of my network, and it was an error with the way I specified the training algorithm, such as sigmoid, for the network to use. Will continue looking at it next class.

Thursday, January 21

Fixed error with training kernel specification, training has more accurate results. Like last time, sigmoid and radial basis function had better results. Next week, I want to compare the accuracy and practicality of this implementation compared to my implementation of my network for my winter goal.

Timeline

Date	Goal	Met
January 13-19	Continue working on "flipped NN", obtain preliminary results	Yes, prelim results look promising, just need to see if the sub project is practical.
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	Yes, need to do further testing to see if it is plausible. Didn't get enough results due to the two block week.
January 27-February 1	Find if a geographical dataset exists that would be plausible for usage as model inputs.	
February 2-8	Decide whether to continue pursuing original network idea, a "flipped" implementation, or one with more geographical denominations.	
February 9-15	Based on previous weeks results, either continue original network idea and start making it more robust or pursue "flipped implementation"	

Reflection

Most of this week involved just ironing out some errors I had encountered with the previous iteration of my network and training the network to see if it is practical for the remainder of the year. I also started looking for some more specific geographical data of natural disasters, however most of what I have found so far doesn't tend to include the raw amount of people displaced as a result of the disaster. I will keep looking for this next week as I decide which avenue I want to take with the remainder of my project.