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First Interim Status Report

Project: Developing Hebbian Learning-based algorithms for Active authentication utilizing user Behavior

Project Meeting: I have met with the professor every week before the pandemic and now started to meet with the professor on skype to talk about my progress on the project. We discuss how it is going and what needs to be done before the next meeting. Contact is still being made when I am finished with a certain part of the project or if there is a question I need to ask through email before the meeting.

Project Development:

Since the project started late, not much progress has been made due to the fact it began around February 19, 2020. The project will be written in Python Jupyter Notebook, and the code will be implementing KNN algorithm in Tensorflow. Since this is completely new to me, progress will be slow even after so much time has passed. Most of the code will be copied from other programs found on the internet with a few adjustments. We will be testing the code by following the 5-fold testing method which will test a portion of the dataset, and the result will be averaged out. The dataset is taken from Touchalytic, and our result will be compared with their result.