ECE 532 Update 1

Date: Nov – 17 - 2020

Github Repositary link: lubyant/ECE532_CourseProject

Phase	StartDate	EndDate	Content	Finish
1	Oct/22	Nov/17	Linear classifer	80%
2	Nov/18	Dec/1	KNN	0%
3	Dec/2	Dec/12	ANN	0%
4	Dec/13	Dec/17	finalized	0%

Brief report for the first updates:

- A principle component analysis was conducted to find out the direction of dataset and pre-processing the dataset

- A basic least square error approach were computed in close form, the result doesn't show quite good because of high error rate at 62%.

- Apply the decesdent gradient to compute the regularized of square loss and hinge loss, It show better performance.

Check more detail in github code and figures.