ECE 532 Update 1

Date: Nov – 17 - 2020

Github Repositary link: lubyant/ECE532\_CourseProject

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| --- | --- | --- | --- | --- |
| 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.