Final Project

Data simulation

2021 Semester B

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During the semester we learned about reducing dimensions, finding the best parameters, ensemble learning, etc.

In this project, the main methods I have used are –

- ✓ Data Scaling by standard-scaler
- ✓ PCA for dimensionality reduction
- ✓ Grid Search for finding the best parameters for each model
- ✓ Pipeline that did scaling, pca and gave out a score
- ✓ Ensemble Learning models

I wanted to get the best score with the lowest number of features, and I am pleased with the result.

Models That Have Been In Use –

- ✓ Voting Classifier
- ✓ Ada Boost Classifier
- ✓ Gradient Boosting Classifier
- ✓ XGB Classifier
- ✓ Stacking Classifier
- ✓ Logistic Regression
- ✓ K Neighbors Classifier
- ✓ Random Forest Classifier
- ✓ Decision Tree Classifier
- ✓ Bagging Classifier