Dataset:[https://archive.ics.uci.edu/ml/datasets/APS+Failure+at+Scania+Trucks#](https://archive.ics.uci.edu/ml/datasets/APS+Failure+at+Scania+Trucks)

Perform EDA + feature engineering in best possible way

Check with different different model:

1. Logistic regression
2. SVM
3. Decision tree
4. Random forest
5. Adaboost
6. gradient boost
7. XGboost <https://arxiv.org/pdf/1603.02754.pdf>

**Hyperparameter tuning is mandatory:** grid search cv or random search cv or optuna

**Evaluate the model**

1. roc\_auc score
2. print(classification\_report) it is available inside scikit\_learn

(analysis accuracy,f1\_score)

**Submission form**:<https://forms.gle/qnVhjQ9bkwFT4vax5>