

Summary of Project 3

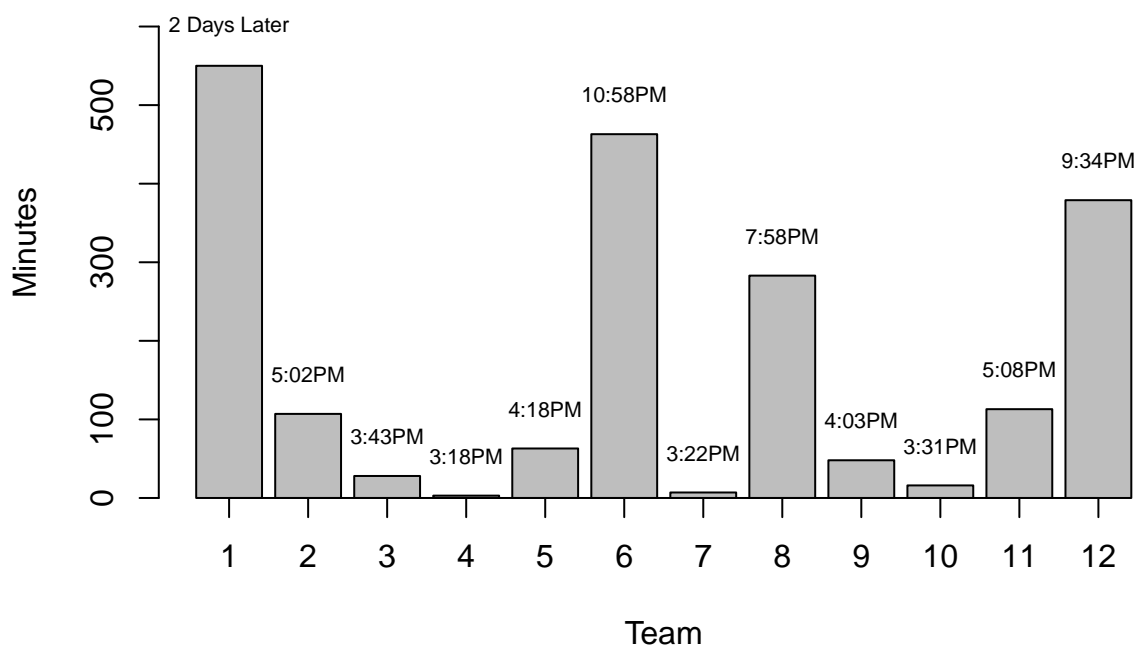
Chengliang Tang

Nov 29, 2016

Feature extraction, storage, running time (cost)

Submission Time

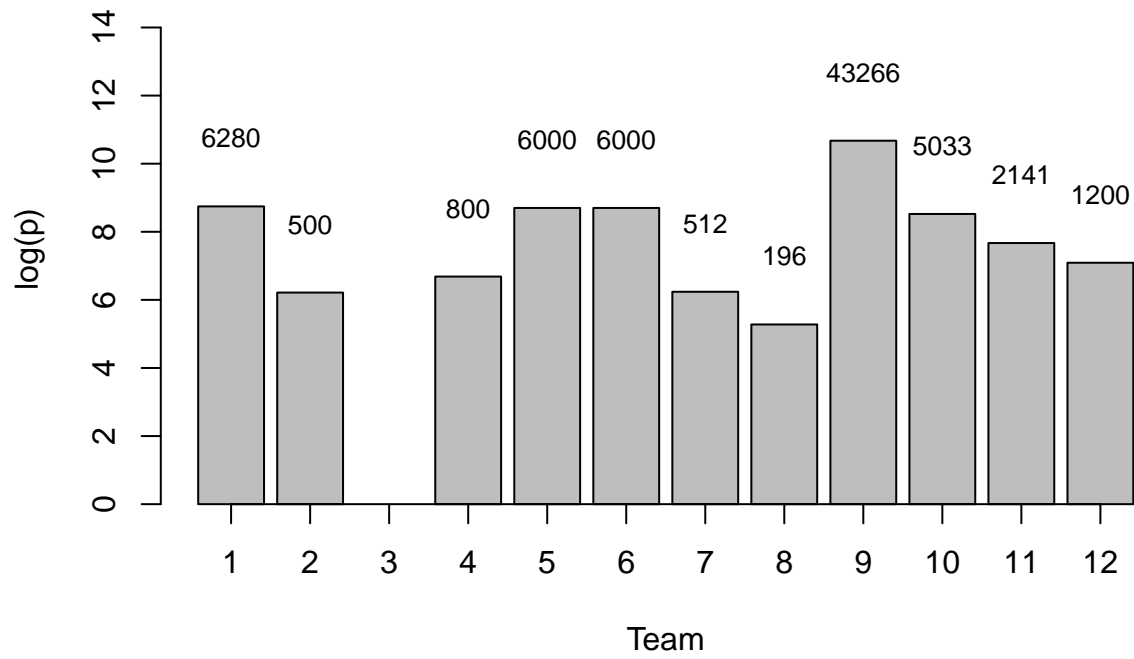
Submission Time: Minutes from 3:15PM



Dimensions of Extracted Features

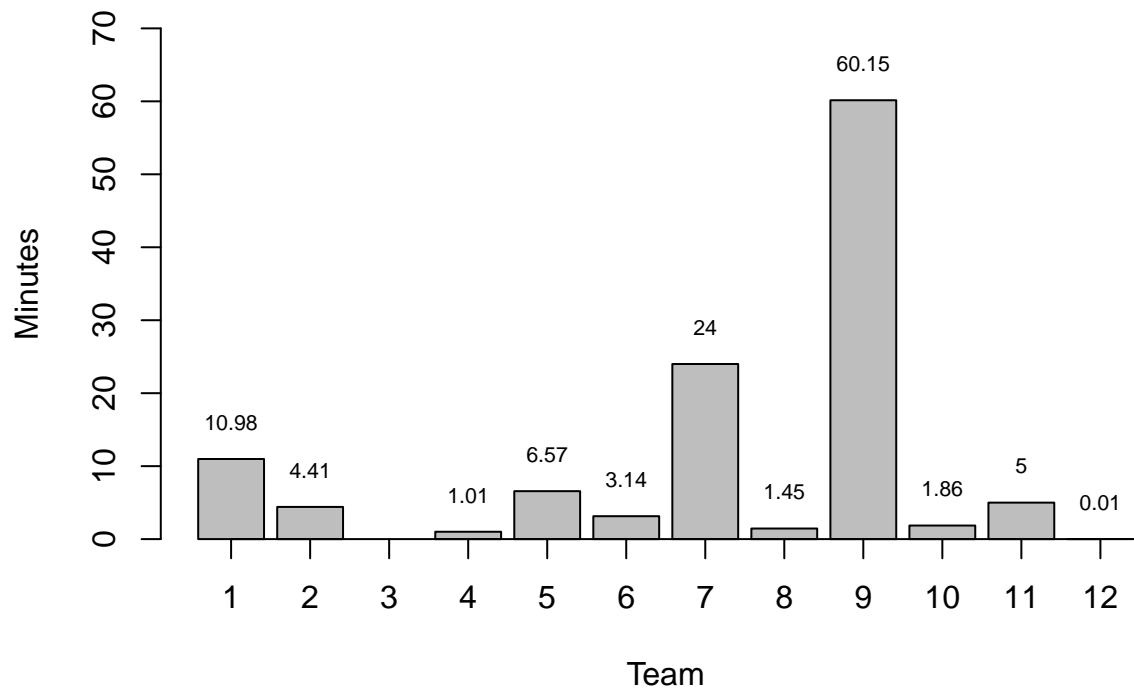
Advanced Model

Extracted Advanced Feature Dimensions



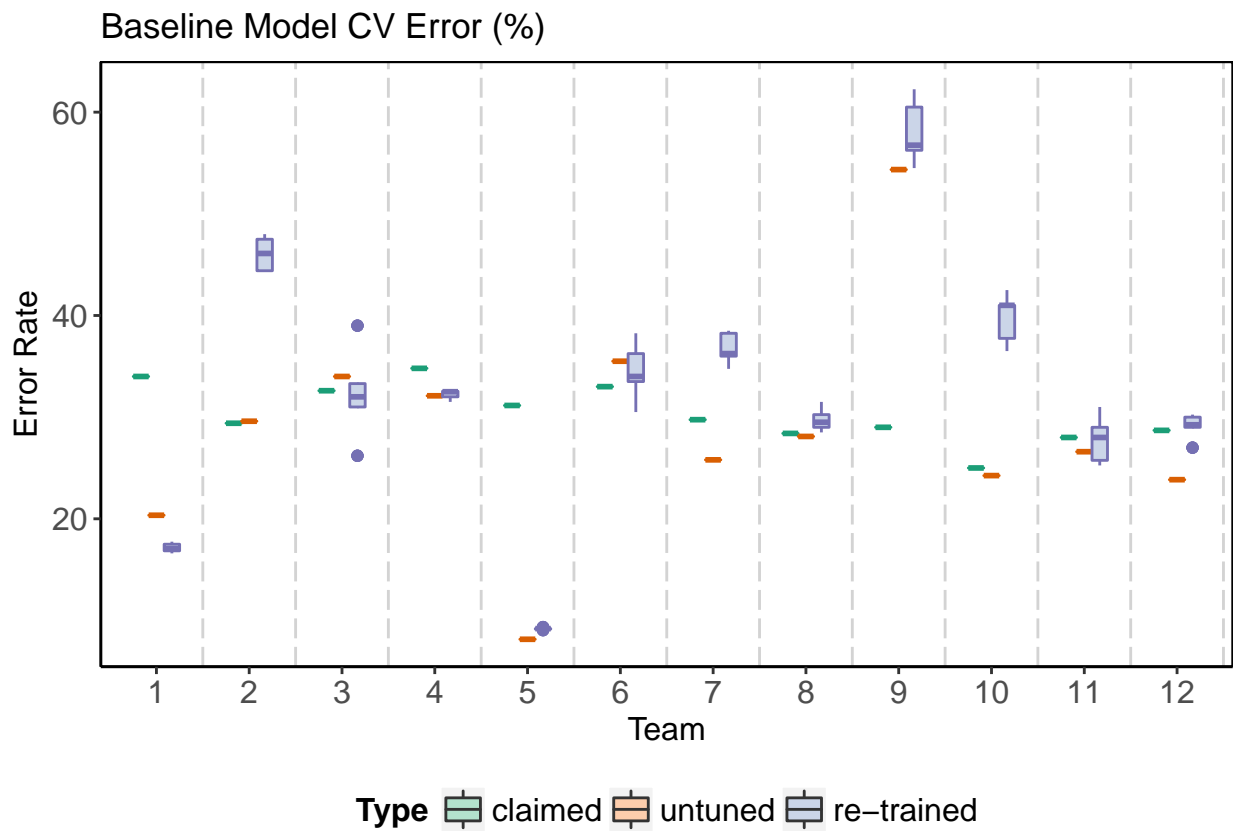
Running Time

Running Time



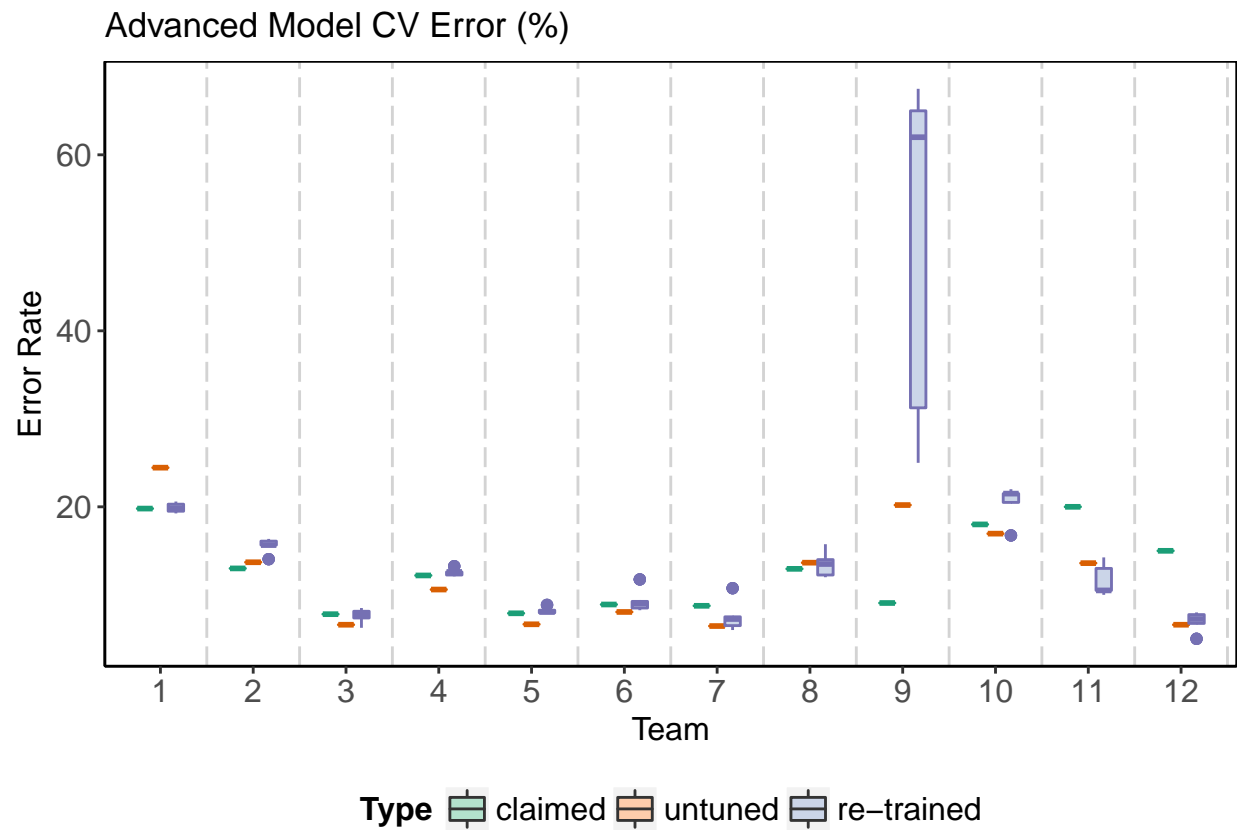
Performance

Baseline Prediction Accuracy



Advanced Prediction Accuracy

Advanced models: SVM(1, 2, 4, 9), CNN(3), xgboost(5), gbm(6, 11), majority vote(7, 10), random forest(8), logistic(12)



Summary of Common Problems

- Ease of Reproducibility(train.R & test.R): Input and Output
- Absolute path: `setwd("F:/UNI/ADS_2016/project3/output")` Relative path: `setwd("~/output")`