

Ensemble Tech

Bagging

a) Random Forest

↳

(DT)

Classification
=
Regression
=

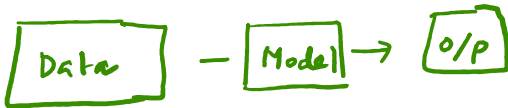
Boosting

a) Adaboost

b) Gradient Boosting

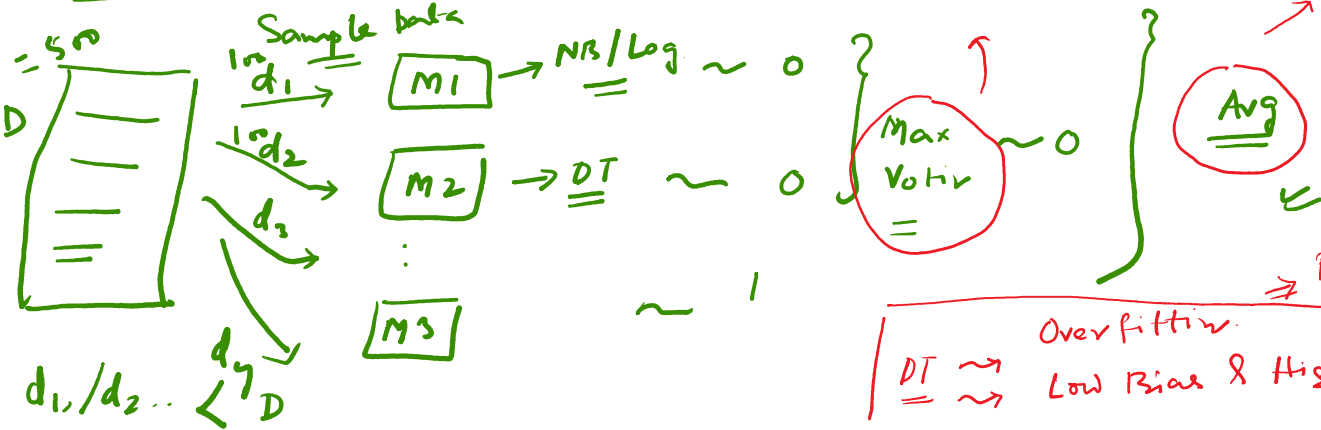
c) Xgboost

Bagging



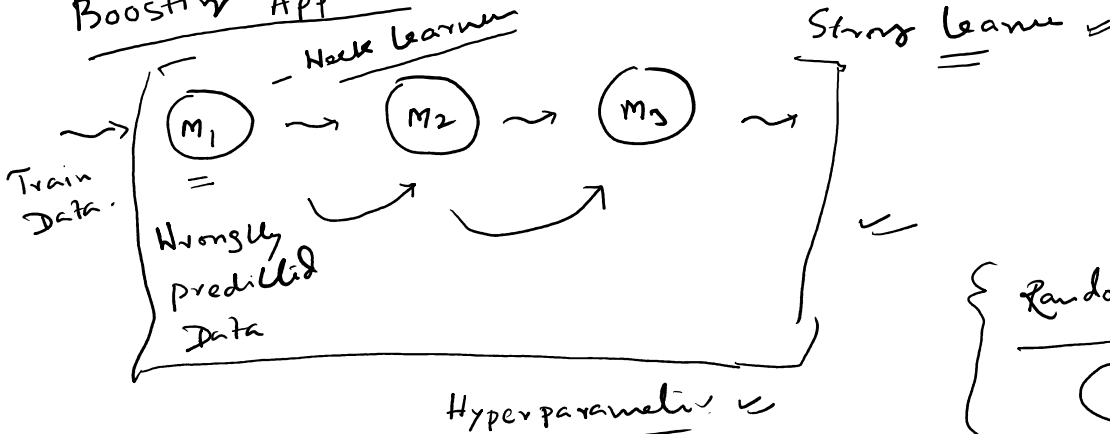
Classification

Regression



Reduced by Bagging.
Overfitting.
DT \sim Low Bias & High Variance

Boosting Approach



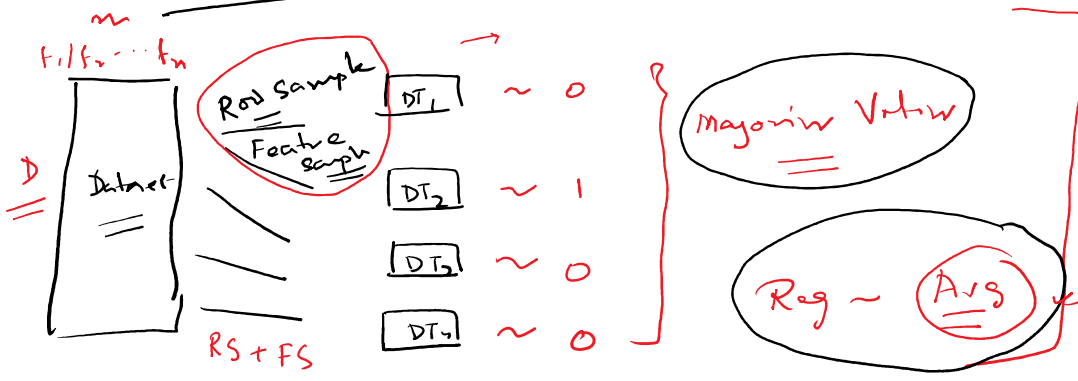
Hyperparameter

Random Forest (Bagging)

Random Forest (Bagging Tech)

(DT)

Random Forest (Bagging)



RS + FS
 $d' + m'$

$d' < D$
 $m' < n$

Base
 learner

R.S \rightarrow Bagging
 \sim Row Sample + Feature Sample \Leftarrow
 $\sim \Leftarrow$