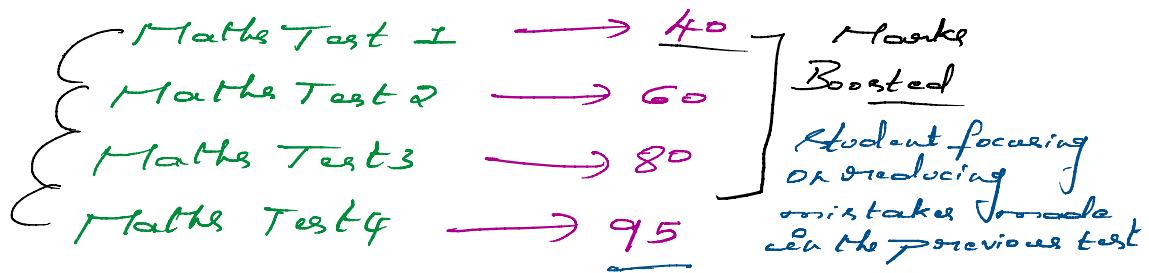


Boosting

15 June 2023 20:43

Student



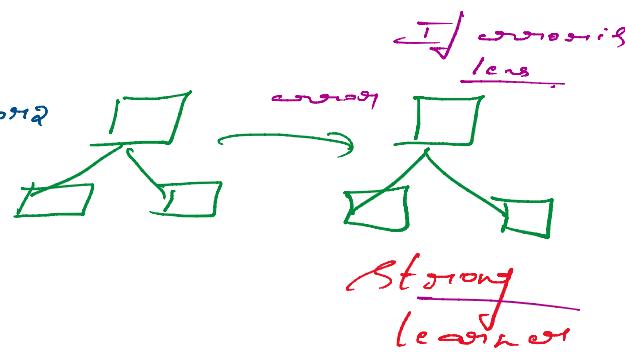
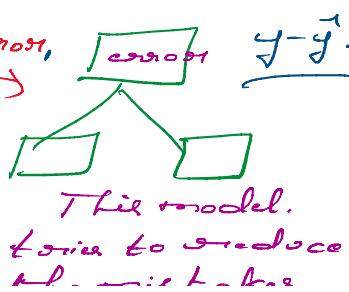
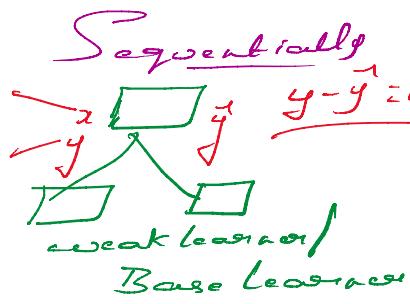
- * Boosting algorithms come under Supervised Learning.
- * Boosting algorithms are used to solve both Regression and Classification.
- * Boosting is an ensemble technique that focus on building strong classifiers from the number of weak classifiers.
- * Boosting algorithms always focus on reducing the mistakes made by previous to build strong model.

Type of Boosting algorithms

- ① Gradient Boosting
- ② XG BOOST → Extreme Gradient Boosting.

Gradient Boosting

Gradient Boosting is an ensemble technique which constructs multiple base learners/weak learners sequentially to get the best possible strong model by reducing the mistakes made by previous models..



weak learning
Base learner

This model
tries to reduce
the mistakes
done by previous
model

Strong
learner

Hypoparameter

* no of estimators