Bagging and Boosting

Wednesday, October 31, 2018 11:27 AM

https://quantdare.com/what-is-the-difference-between-bagging-and-boosting/

Similarities Differences

Both are ensemble methods to ... but, while they are built independently for get N learners from 1 learner... Bagging, Boosting tries to add new models that do well where previous models fail.

Both generate several training ... but only Boosting determines weights for the data sets by random sampling... data to tip the scales in favor of the most difficult cases.

Both make the final decision by ... but it is an equally weighted average for Bagging averaging the N learners (or and a weighted average for Boosting, more weight taking the majority of them)... to those with better performance on training data.

Both are good at reducing ... but only Boosting tries to reduce bias. On the variance and provide higher other hand, Bagging may solve the over-fitting stability... problem, while Boosting can increase it

From https://quantdare.com/what-is-the-difference-between-bagging-and-boosting/