Calix Carrington

Prof. Brahma

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CA04 – Ensemble Methods

1. Random Tree Classifier’s behavior tend to move upwards and downwards in random and no fixed result.

AdaBoost Classifier’s behavior tend to shoot upwards first, then slightly fall and then slightly rise again until it slowly reaches a plateau/straight line.

Gradient Boosting Classifier’s behavior looks to be an upward curve which only slightly drops down further out in the estimator range.

XGBoost Classifier’s behavior looks like a logarithmic curve though it looks to slightly drop down further out in the estimator range.

1. Random Tree Classifier optimal value of estimator within 50-500 range is at 450.

AdaBoost Classifier optimal value of estimator within 50-500 range is at 150.

Gradient Boosting Classifier optimal value of estimator within 50-500 range is at 250.

XGBoosting Classifier optimal value of estimator within 50-500 range is at 400.