- 1) Ensemble Techniques [ Boostine
- 2) Random forest
- 3) Adaboast
- 4) Xgboost

Ensemble Techniques

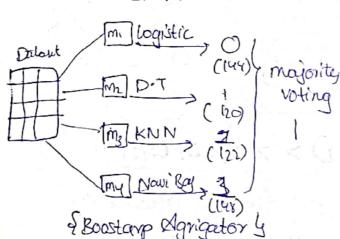
i) Algorithm < Classification

multiple Algorithms to Solve a problem?

Ensemble Techniques

BAGGING

BOOSTING



[: 0/1 -> class number -> Regrison } Hiregrasian mean is taken

[ Sequirical Set of

all models Combined together that Intake incater hance to Combine Strong Leaner

Overfitting of Low Bize ( Pror (5 Normalisation F No] (2) KNNdStandarzetony [Yes] (3) Random-forest des Impart by authir? [20] Bagging = Random forest [used] 1 Boosting (i) 26aboox to to to the cocque - - 1/00s 1/2 1ways - NOOS1/50 - 0.349.1/5 Ewear learly
0.05 5 Ototal Error = 1 1/5+ Elwear learly 005 (5 2) Performance of steep (after updatation renoving & res) (3) New Sample weight of e.Ps = 1/2 loge (1-76) - 1 xe-0899 = 1 coge (1-1/5) Correct reard = 0.05 4 Incorrect record = weighthe Ps - 0.895

VS White Box Mady Black Boxmodel Cineau regnesses & White Box Random Forest - Black Boy Deinintree & White Box ANN -> Block Box

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