dimiding Aggregate
intp
dolot
algorithms result

> Each algorithms can leave something migne from

Exemphe.

KBC competitions

Subhash > Data Science domoils knowledge.

X (UFSO) > Different domain trowledge

By X (UFSC) candidate forform better thou me

use at KBC competition. because he/she how

lifferent domain Knowledge. This is called

Bagging.

> Most of the time, Ensemble Techniques is a good choice.

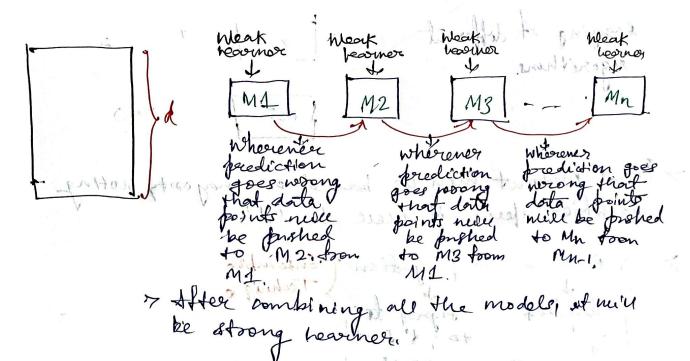
Bagging

Types of Algorithms

1 Romdom Forest classifier

@ Random Forest Regressor

Boosting



Sucking com love something winder

Types of Algorithms 1 Adaboost Reguessor and classifier @ boradient bossed Regeressor and Classifian (3) Xgboost Regressor and dassifier Extreme Weadient Boost Kandom Forcest classification and Regression - It is a Ensemble Techniques. combination of many models. classification m' features some may may >DT1 majorsty output win ke RS+FS+WR M2 >DT2 > trierage mes ontpro _ M3 > DT3 4 min be taken My > Dry -7 presinte > In SK-hearin, me combine multiple decision taxes MICM for each model (Row sampling (d1) + Featives Sampling + with Replacement? D Why are me noting Random Forcest ? Fore-Penning and Post Sounding it a biggor task too leverge doctobset. 89, to smooth Tonerfitting we have Rondom Foscest. For huge datuset, me conhust see complete torce onerfilting connect nong Random Forest High Wiennie & Low Morronne > Using Random Forcest, me can connect high noviimme to los racionne.

Out of Bag Frahaction > while doing how sampling, feature sampling and neith explanement for bouch model, so there is chance that some set of natures nener get solveful get selected. > Me can use unselected data points for festing and malidation propose. ATASET AND AND A 200 dada poin Never best Selected because de never get cheme 1 Hyporparameter

Hyporparameter Model Tunning > It you set oob 2 tome, then if nucle automatically handle nucleus data points fore feeting propose, 7- ont of Bag Erving (Validation Evocor) lout of Bag Evoron 2 1- out of Bag &corre NRT Regression 7 R-2 Score combbe ned on at the box span of the sol mother is med way landon los cod. a very rendom toicest, me come convert high normone to

> We decide algorithm based on the dataset. > Random forcest has more fine our comptenties. > Bagging com be heterogeneous or mell as homogeneous. Hyperparameters Quision Taxes n_estimators z number of b bootstrap = combination of models oob-score = according score, used bobt data for testing prospose. (n.job8= How much CPV our model well take while emining verbose 2 can see messages about configuration white summing Booting classifier - me can use déflerent algorithms. W. - Worker at since trapers I went a I find south the needs be now ... of it. more ... supposed problem. + xled the output of the thick to success the to severe the state of t V Christian & Charles ship of was. Win to Brown of to prediction your or of spirit which thouse housefrings by encert bounds, one have get shoony oteners.