	Date
BOOSTING ALGORITHM:	
> Ensemble Technique Rai > Sequential Process	(Bagging
-> Sequential Process	
improving mistakes of the learner through the next	ciple of provious learner
the overall model radient Boosting:- I Average r	rformance q
10 YU/I-) Prec	licty= errors.
d'(SDT) -> pred	ict =) y => error made
1. ar (for) prediction	ct ê2 => 4 => em
	9
will be always - work	s by optimized
DT. the	oss function

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Types of Boosting:
-> Ciradient Boosting
-> Extreme Gradient Boosting (XGB)
-) AdaBoost
-> Light GB.
Steps in GB!
model or most frequency category
De Calculate the Residuals from average Prediction and actual values.
3) Now Create another model RM1 (Residu model) which will take residuals as target. [Residuals - errors]
De We have New predicted residual Value now we will Calculate new Predicted taget value

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(actual - predicted) and new model
RM2 will fit again on the residues as target and will predict new residues until no of estimators reached or residues until no of estimators reached or residues
Final olp = 0/p of Bases + DRM1 + PRM2 + model + DRM1 + PRM2 +
DRM3 + + DRMn.
n -> learning rate (range o to 1) (always take small value)
because it reduce the overfilting.
XGB:-
as Gradient Boosting
resources. But it has extra computation

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3 Advancement of GB.
-> Speed & Performance are good
-> Controls Overfitting (Auto pruning)
-> Parallelization (multi core paralle processing).