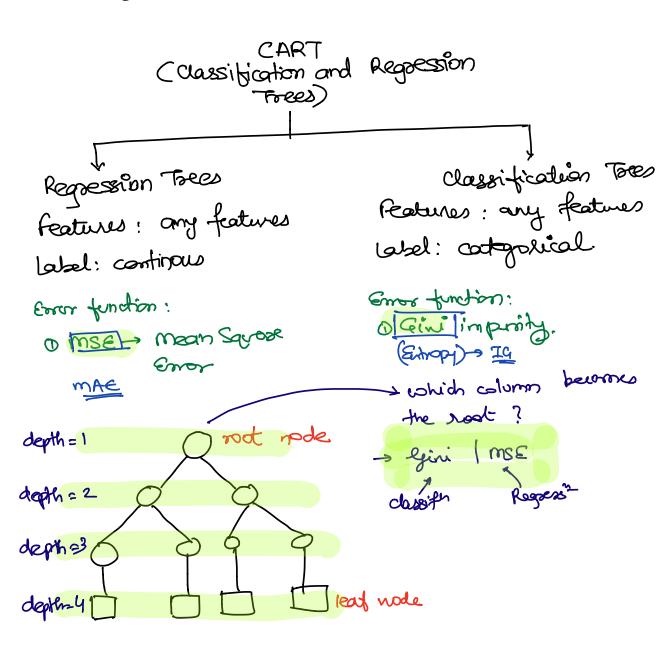
Agenda

- > Decision Trees
- -> Random Forest
- -> Bagging
- -> Boosting_



ML Engineez:

underfitting nature

hit sty to find sect spot

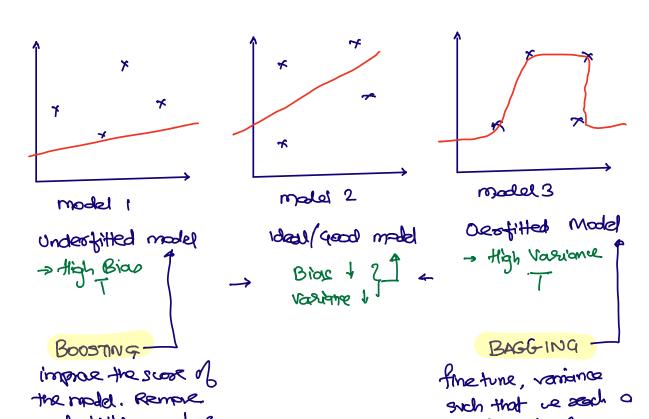
A togs tome

greatized, malel.

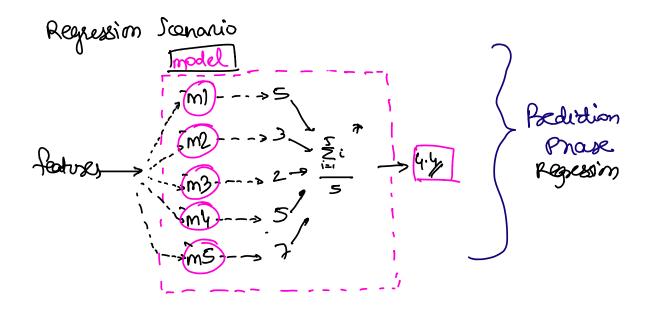
algorithm will mensorize the dorta.

3 Pant use Deasion Tree for broge dataset.

Bagging and Boosting framework.



Classification Regression Bogging -> Bootstoop Aggregation no-estimators = 5 - .. odd no. of estimators (binary dars) dataset -> 100 seconds algo. = Decision Tree Classifier



Boosting: (Note: used mostly in Neural networks)

- -) applicable to improve on under-fitted model.
- helps improving the score of the model.
- -> may lead to aerfitting.
- -> Ideally, Boosting is used only for classification usecases though it do support Regression.

no_estimators: 5 (L & iterations)
algo: K-NN (test_size: 0.2)

dataset di Heration 9 Heration 5 0.75 0.65 s2(subset) Iteretion 2 Lebania, 0.75 93 (subset)

model (0.9) finalized model ky
Boosting

Random Fosest

La Trecistion beg with Bagging.

- set of decision trees porticipate in mediction place.
- classification voting
- legselsion mean