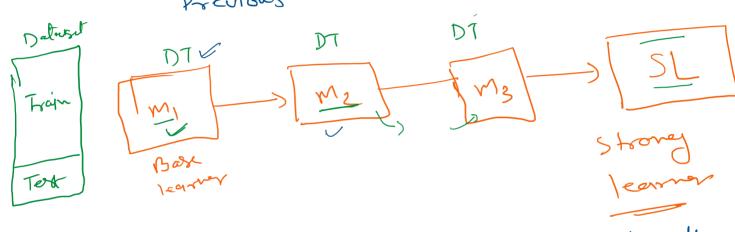
X GB oost

-) It works by sequentially adding simple models to correct the errors made by Previous models.



2) It is optimised to be highly computationally efficient and can handle large detarts.

(3) X G1B00 St has an inbuilt routive to handle

Mote) Karsonst is used for both Regression!

Xgboost Algorithm

Construct base model

2) calculate Pseudo Reviduols.

Building XGB008+ree with root node.

calculate similarity veignt

ter classification | S.20 = (E Residuels R

for legrossion S.U. = (Z Rosiduel)?
No. of Rosiduel

calculate Grain

GaP

yes

J 2.5 Yel

$$(5W)_{PN}^{2} = \frac{1}{6+1} = \frac{1}{7} = \frac{0.16}{6}$$

$$SW_{(ks)} = \frac{(21)}{1+1} = \frac{(21)}{2} = \frac{65.6}{2}$$

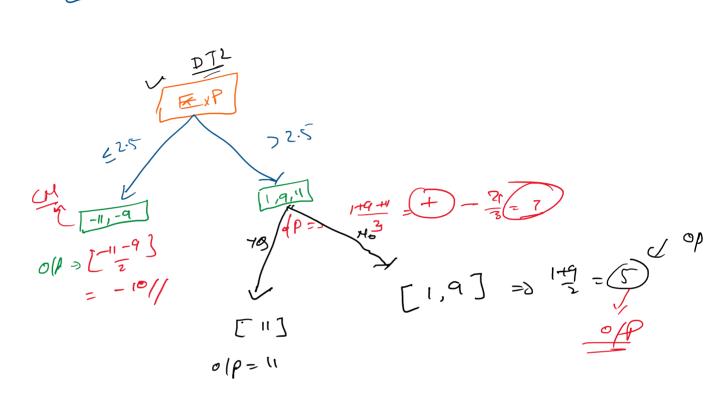
$$(5\omega)(15) = (4+(+9+11)^2 - 144 - 28.5)$$

Chain =
$$65.5 + 28.5 - 0.16$$

= $(SW)_{1}$, $+(SW)_{1}$ = $(SW)_{2}$ RM

$$= (SW)_{LS} + (SW)_{FS} - (SW)_{RM}$$

$$Gain = 98.34$$



LS (coming rate (Hyperparamet)