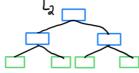
Gradient Boost
Gral. Boost
Grad. Boost STONKS
o Start by making a Single Leaf
3
irelian of the samples
Lo Trivially this would be the Average ( \(\frac{\sum_{i'} \mathcal{J}_{i}}{N}\)
Trivially this would be the Average ( \(\frac{\substack}{N}\) of then build a Tree Next based on the errors from the last leafs
Lorger than a Stump. Still restricts the Number of Leaf Nodes
+ #
o Scales Trees All Logethe (Learning rate)
Continues Making Trees until it has reached a predefined Max or adding More Trees to the forest fails to improve fit
$\omega$

Actual Processo



- Calculate psuelo - Residuals (Y-7)

- Now build Tree To predict the psuedo residuals



- Calculate New Psuedo-Residuds

(SY- (IR.

Repeat This Tree building and addition with you Reach a Maximum Tree amount or you fail To increas Accuracy

LR = Constant |leaf Nodes| = Constant