Decision Trees
Random Forest
-completing our project.

CART Classification AND Regression Foces

Regression Trees

features: any dollar

label: numeric.

Gover function:

O MSE *

2 MAE

Classification Toles

features: any obtain

label: categorical

Error tonction?

O Geni imposity *

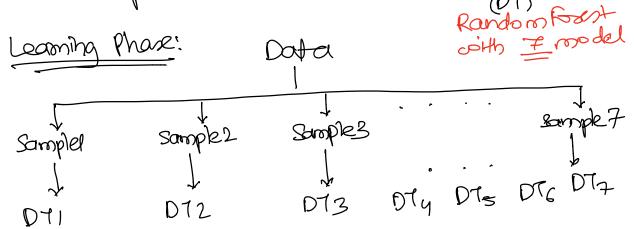
2 Entropy (Information Exis)

depends on equition of DT depends on (IG)

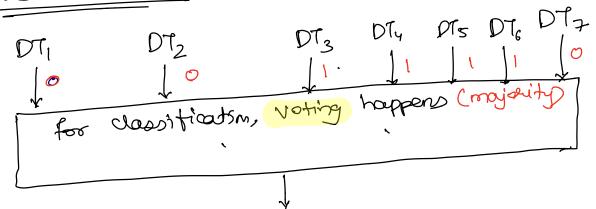
Note: DT will memore training lata if depth is not controlled by user.

RandomForest

- -> Ensemble teaming algorithm which uses
 Bagging (Bootstrap aggregation)
- In ensemble, multiple models are implied in decision making process.
- -> Each model is trained with different sample sets.



Rediction Phone: (classification)



Bediction Phase (Regression)

