

Tree -> Decision Tree

Lots of tras

Random Forest

job - (learning)
[model - learning)

> a technique -that combines multiple individual model (DT) to improve the overall predictive algo. performance or stability of the system

Random Forest: It is an ensemble learning algo.

-that constructs many decision

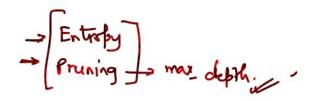
trees during the training.

and robust predictions.

fros of RF model:

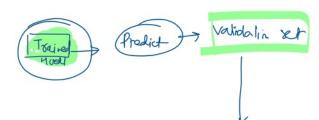
- * Robustness: stable model, less sensitive to notice and overfilling compared to individual DT.
- # High Accuracy: Typically RF model achieves higher accuracy compared to DI.
- # Feature Importance. RF model provides the ranking of features which can help in feature selection and interpretation

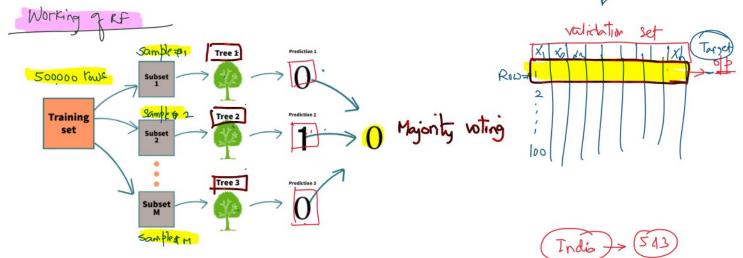
RF can be applied to both regression and classification problems.



cons of Random Foret

- # Model computational time is High.
- # Model interpretability can be less as it has multiple DT models.





Felling g RF Oak



Disclairer: Image shown above to understand RF model only.

Frery Mp in the farhament

DT model)

MP-Rayabor - subset of India

Bill Yes -1

SAD - PH MODU - MA

Mojority

Bagging ve Booting

RF primarily uses a technique called "Baggling" (aggregating)

Stands for

Bootstrap Aggregating