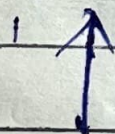


Introduction to Random Forest

- # classification and regression.
- # we don't need to tune hyper parameters much. C

It's a 'ensemble method' which use decision tree and bagging.

Random forest



↓ group of trees.

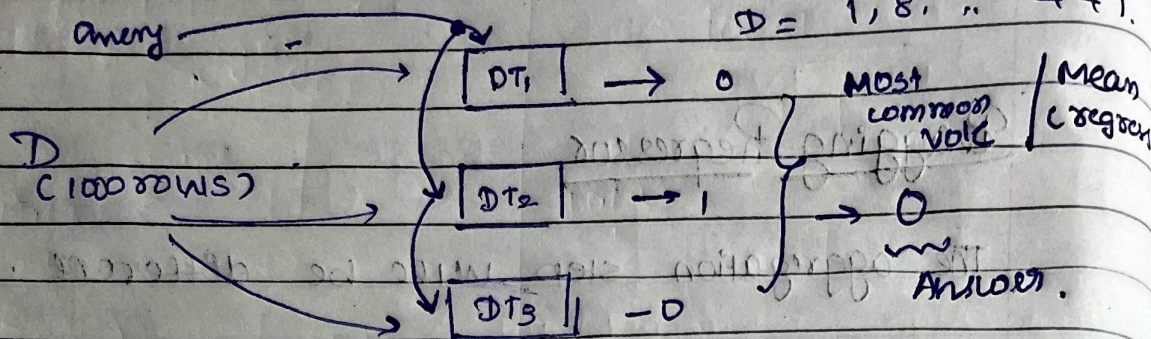
Bagging → Bootstrapped aggregation.



Sampling.

- # In bagging technique, if use decision tree in every model.

is called random forest Model. 500 rows =



← Bootstrapping →

500 Rows randomly given to model.

We ~~assign~~ can assign rows in the following ways:

- 1) with replacement.
- 2) without replacement.

(subset of Data)

Sampling Types

- ① row sampling
 - ② column / feature sampling
 - ③ hybrid sampling
- with replacement
 without replacement

* Query (Identify class)

When we are going to predict, we do aggregation.