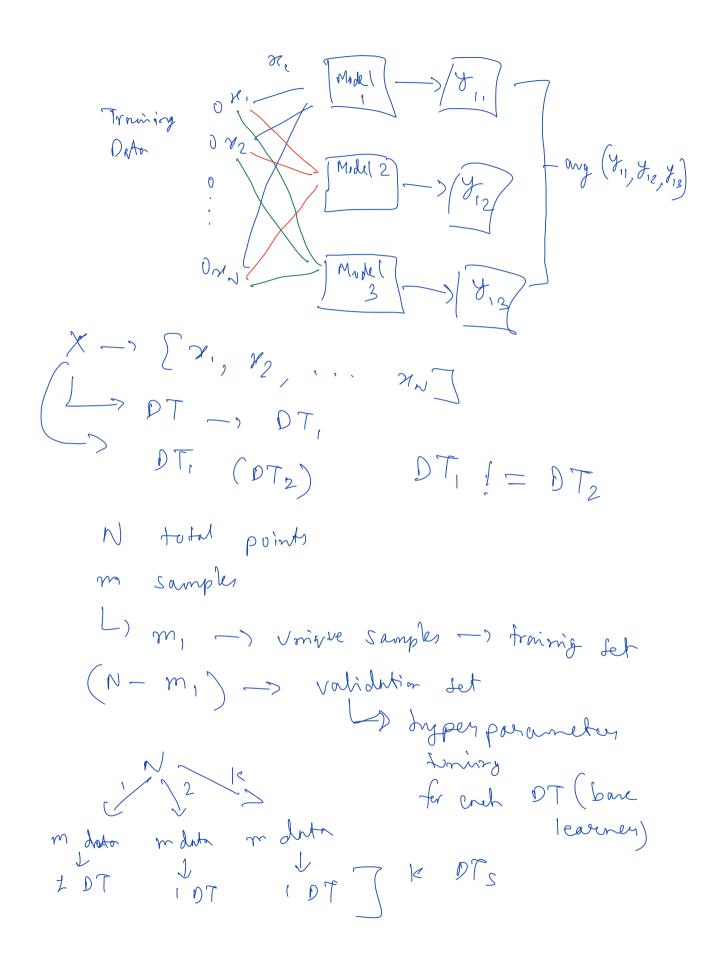
## Previous Clan ( July 4)

## Decision Trees Completed

	Today's Class - Random Forests
1)	Jio Dolaret Problem What are Ensemble Models & Types?
2)	Ensemble from DTs_> Random Forests (RFs)
3)	Hyper-params of RF
4	Sklean library
5	Hyper-parameter Tuning
6)	How to odd randomney
7)	Qui 2 2es
	hyper-param
	$P_{2}$ , $P_{3}$ , $P_{5}$ $P_{5}$ $P_{5}$ $P_{2}$ $P_{3}$ , $P_{5}$ $P$



(N-mi) samples -> validation duta ( [N × 10] -> Training dates size

N -> 100 d -> 10 f, f, f, ... f, o

m -> 50

d'-> 5 Training Set 1 -> m samples with d'features m x S matrix k times Training Let 2 - ) m x 5 metrix Overfit -> DT 1

overfit -> DT 2

i owg -> DTIC

Hyper-parameter Timing ODB samples - s validation data
for each Dy

Frain

Vol Error = Bias² + [Variance] + [Irreducible From] loss find loss find the Lend modes)

Linkey -> MSE min (loss find x # Lend modes)

logistic -> lyluss

XT LN= K

$$M_1 = f_1 + 0.1 \times 10^{-6}$$
  $f_1 = 100$ 
 $f_2 \times 10 f_2 = f_1 \times 2$ 
 $f_2 + 10.2 \times 5 = f_1 + 1$ 
 $f_1 = f_1 + f_2 = f_1 \times 1000$ 
 $f_1 + f_2 = f_1 \times 1000$ 
 $f_2 = f_1 + f_2 = f_2 \times 1000$ 
 $f_3 = f_1 + f_2 = f_3 \times 1000$ 
 $f_4 = f_1 \times 1000$ 
 $f_5 = f_1 \times 1000$ 
 $f_7 = f$