CART (Classification and Regression Trees)
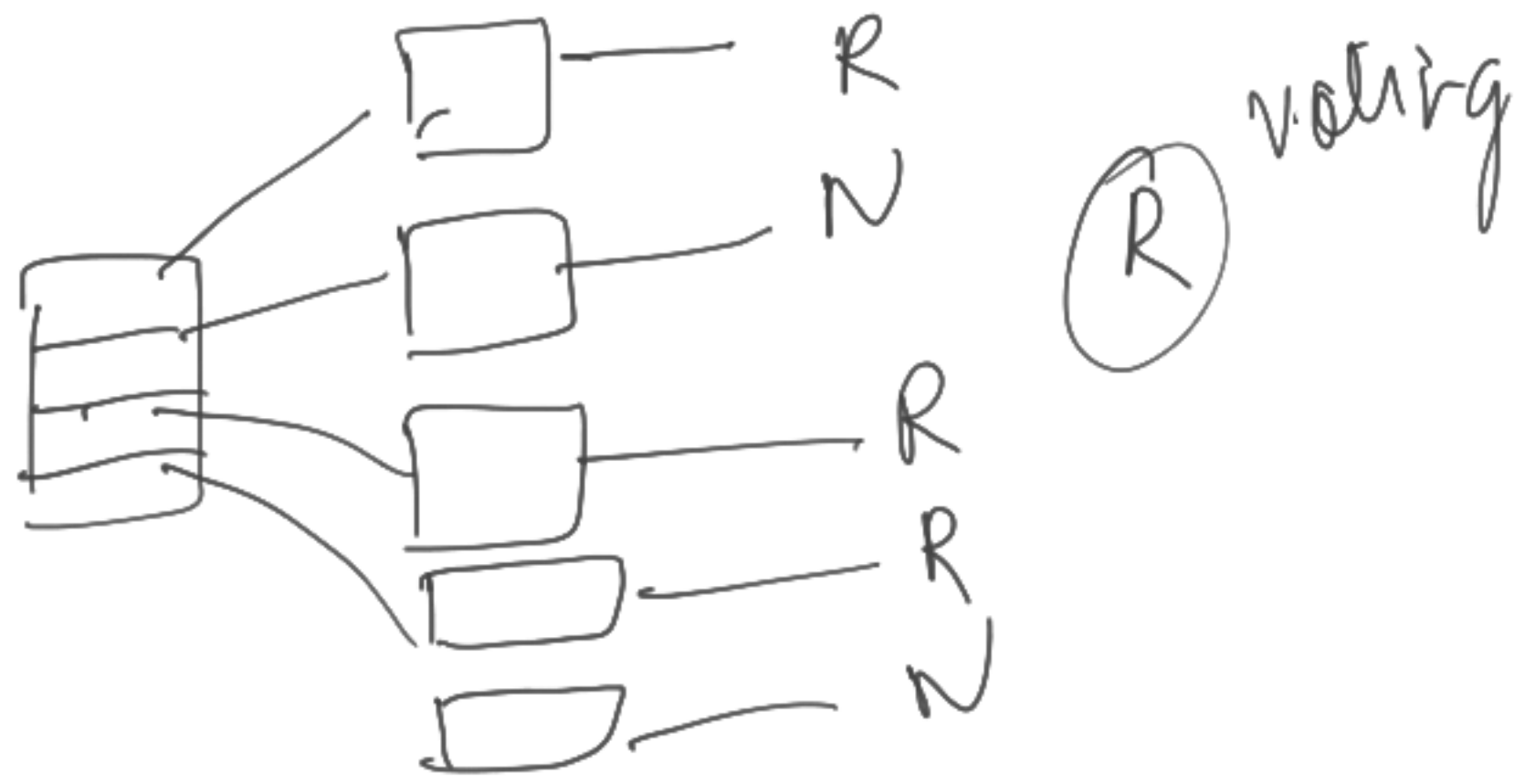
Decision Tree Classifier
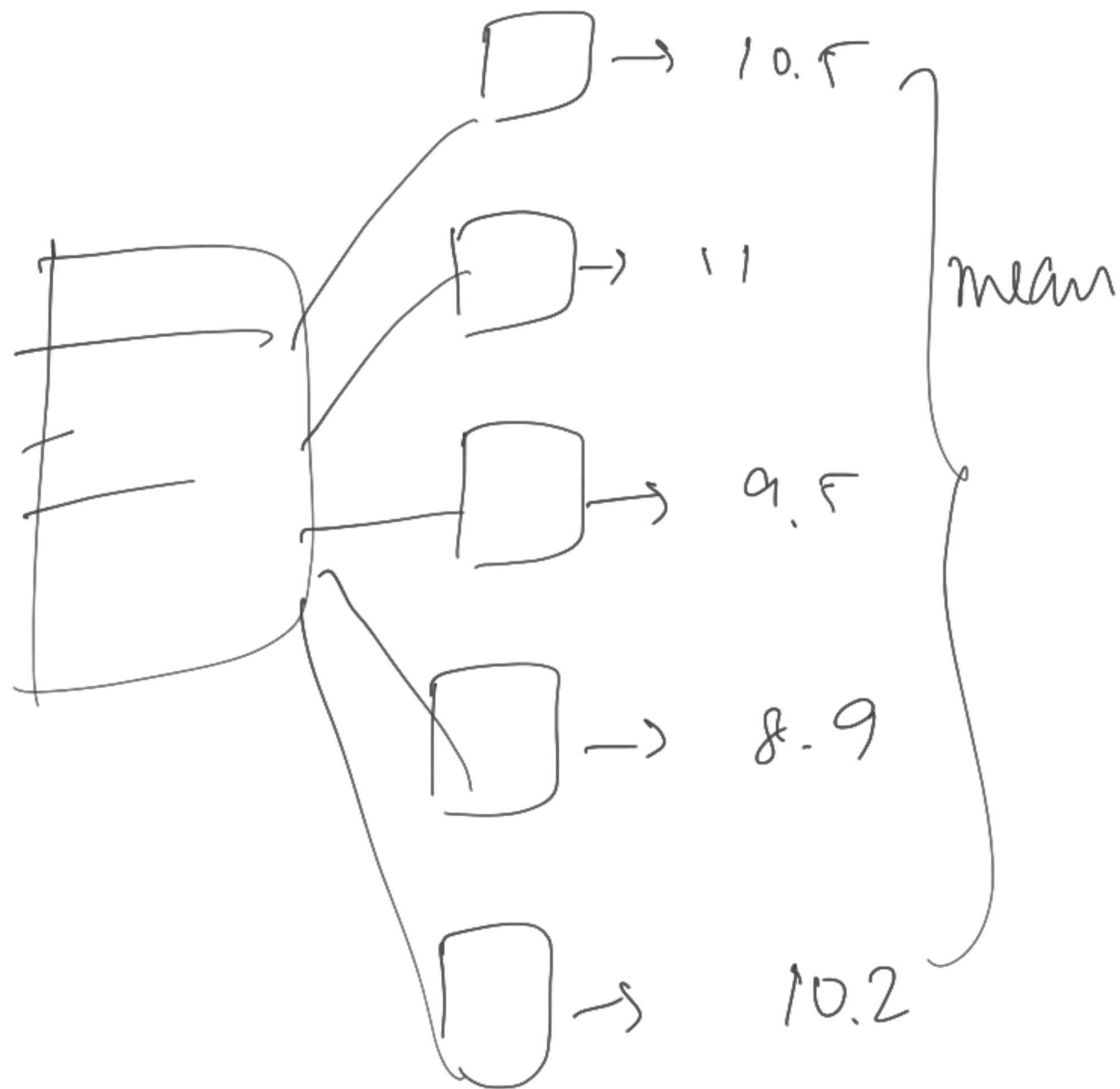
Decision Tree Regressor

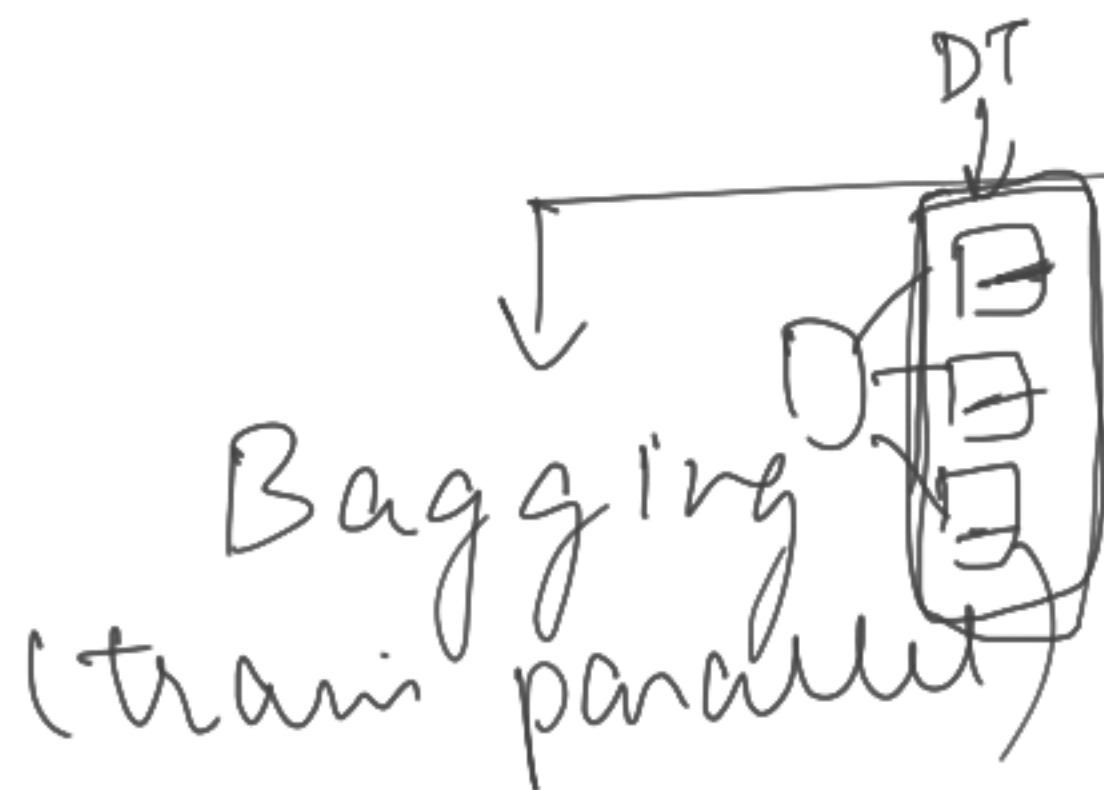Bagging   Boosting $\Rightarrow$ Ensemble

90%   70%

$=$ 60

80%   4.0   90

20%

4   Phy Chem

Math.

R   N

R

N

R   voting

R

R

N

$$\rightarrow 10.5$$

$$\rightarrow 11$$

$$\rightarrow 9.5$$

$$\rightarrow 8.9$$

$$\rightarrow 10.2$$

mean

Ensemble

DT

Bagging
(train parallel)

— Voting

— Mean

Random Forest

Boosting
Sequence

AdaBoost, GradientB..

XGBoost