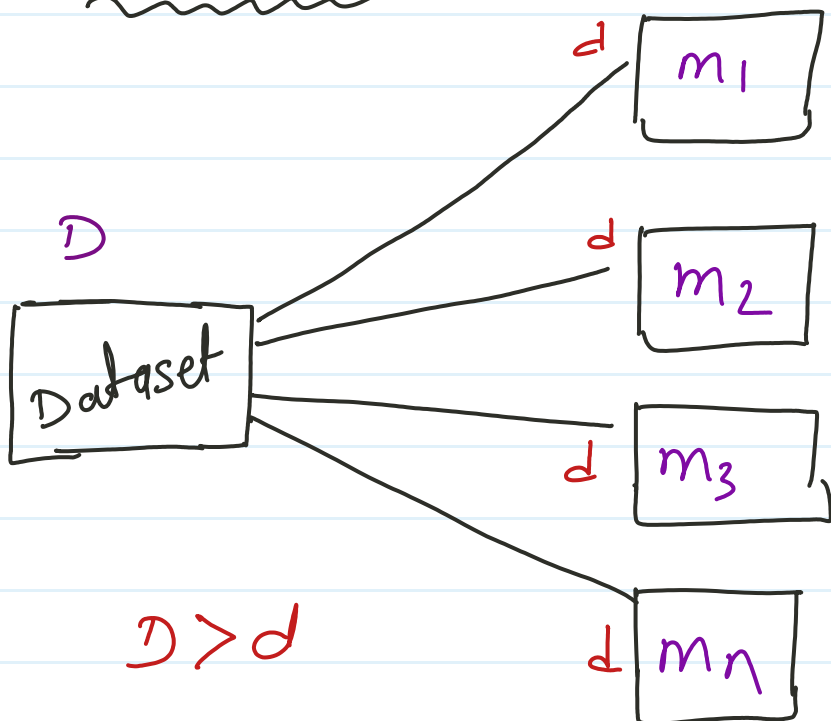


Ensemble Techniques

- 1) Bagging
- 2) Boosting
- 3) stacking

1) Bagging \Rightarrow It is called parallel learning

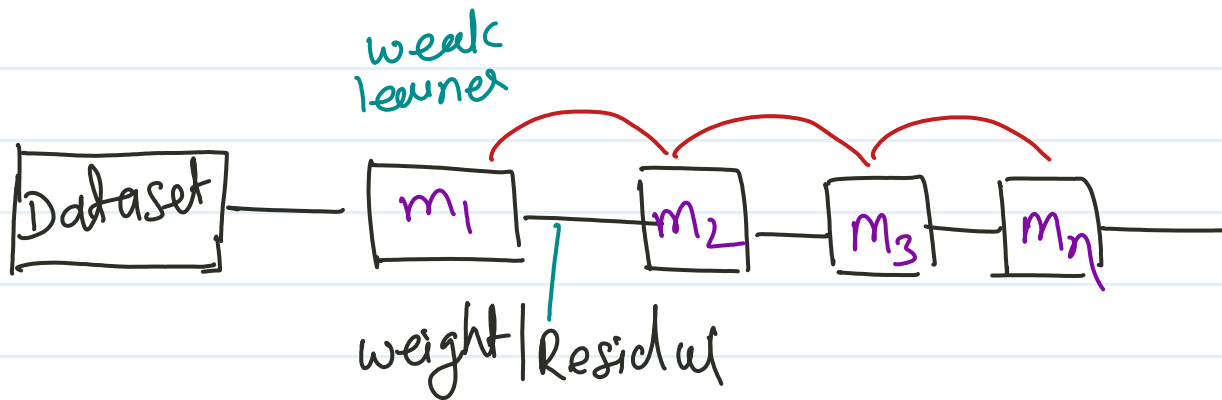


classification
problem solve
by voting
and Regression
problem solve
by Average

Type of Bagging model

- (1) Homogeneous - Same Algorithms
- (2) Heterogeneous - Diff. Algorithms

2) Boosting - It is called sequential learning



Boosting is also has two type

- ① Homogeneous ② Heterogeneous

Note - In both Bagging and Boosting
we use homogeneous model training
like Random forest, Ada boost,
Gradient boost, XGboost

we use Decision tree Algorithms
to train ensemble learning model.

3) stacking -

