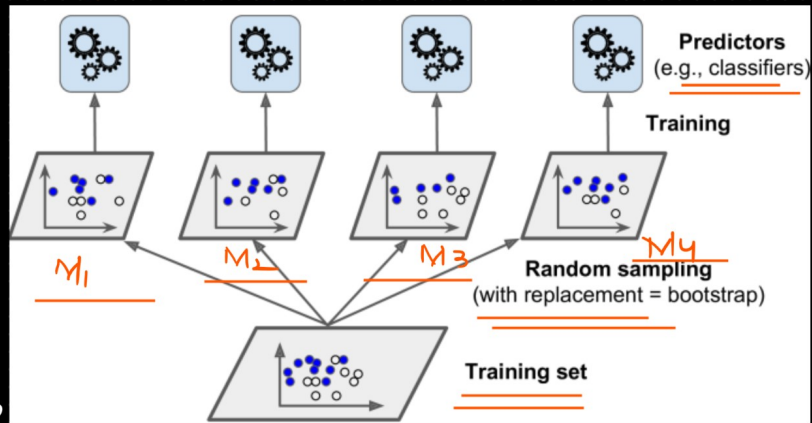


## Ensemble Techniques

Regression specific	Bagging	→	Bootstrapped Aggregation
0	2.3 cr	3.2 cr	4.7 cr
1	0	0	0
✓	✓	✓	✓

# Majority Voting


$$M_1 = M_2 = \longrightarrow$$
$$M_3 = M_4 =$$

Same model

(all of them belongs to KNN,

LR, DT & so on)

## Random forest

## Bagging Technique

→ Decision  
Tree

3 estimators

Single Model

Pros

→ Enhance the accuracy of the given model.

Bagging Model

→ Reduce the overfitting

Problem in a model

Reduce variance

→ Computationally cheaper task without

(Random sample) <sup>increase in</sup> the bias

(subset of the dataset)

Cons

→ Interpretability of model