

# Ensemble Technique.

Ensemble → Combining multiple models.

Ensemble Techniques → Bagging (Bootstrap Aggregation)  
→ Boosting

## Bagging

i) Random Forest

## Boosting

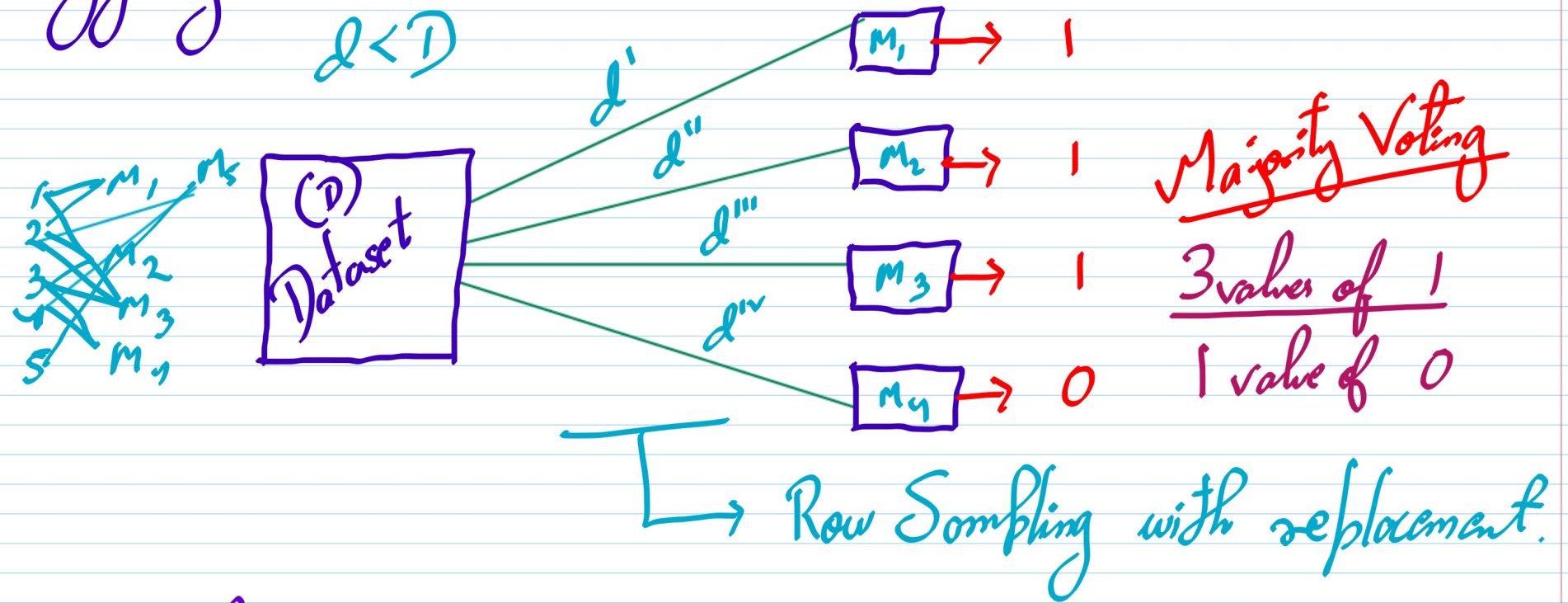
i) Ada Boost

ii) Gradient Boost

iii) XG Boost

iv) CAT Boost.

# Bagging



Base learners in your Random Forest is your Decision Trees.

- In Classification, we will count and take the maximum output (Majority value) as our final output.
- In Regression, we take the average of all the model combined.