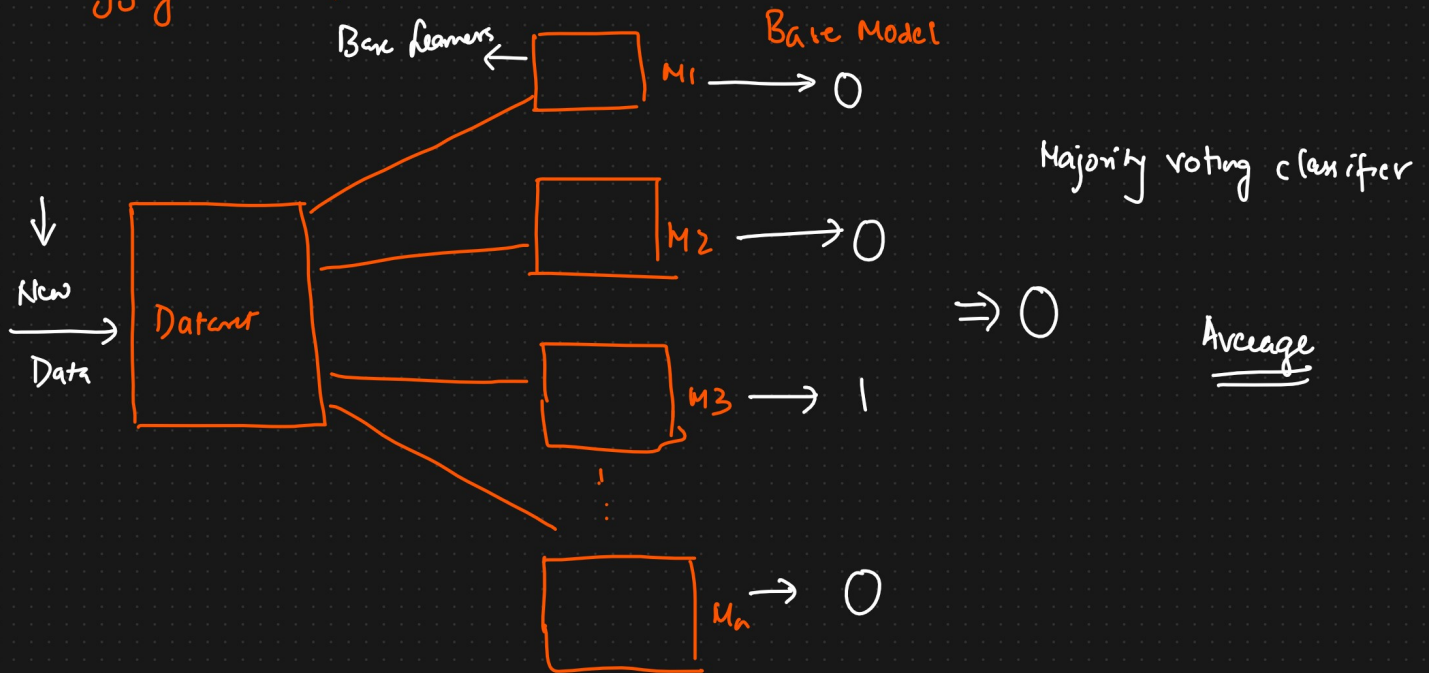
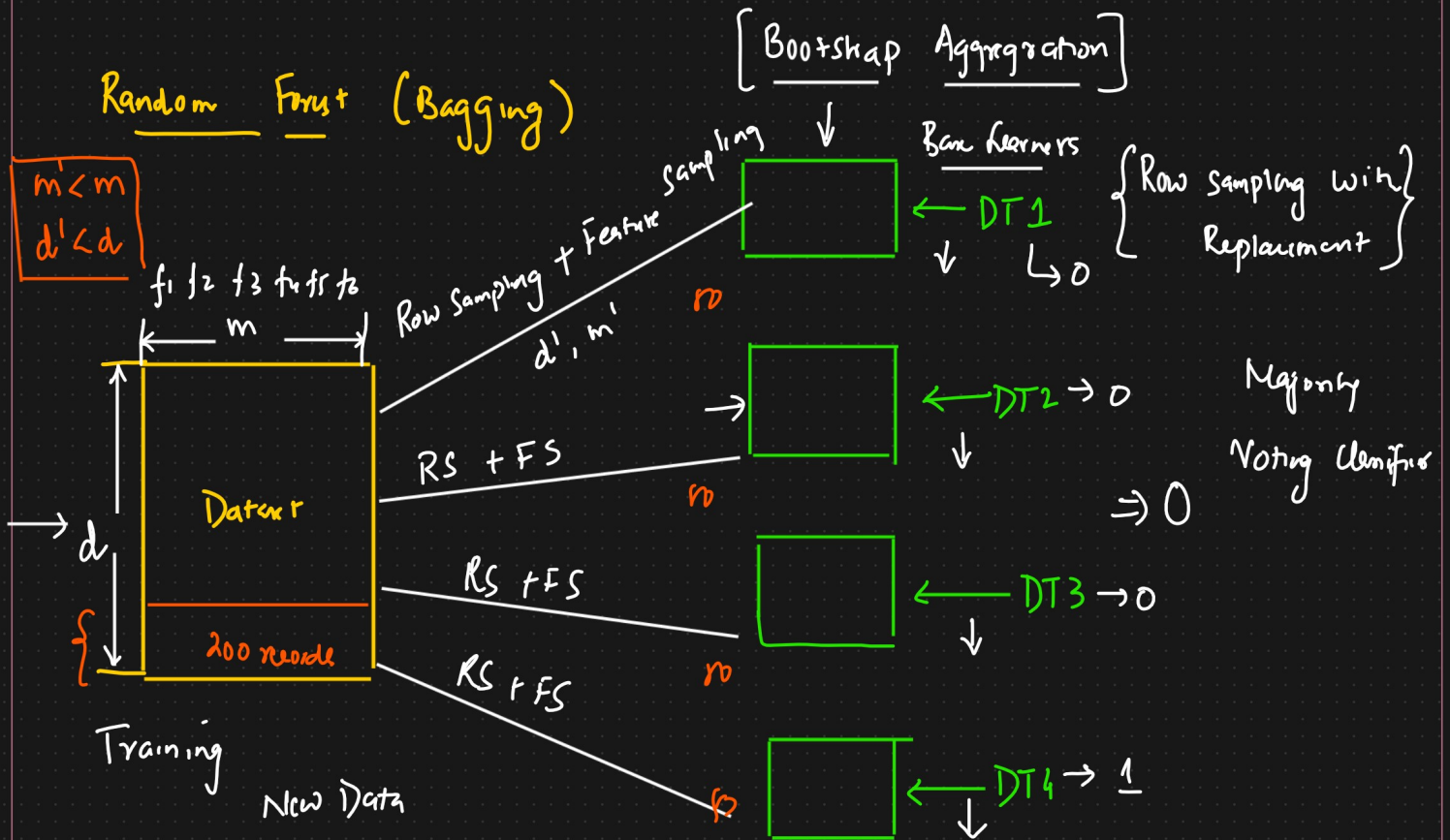


Random Forest Regression And Classification

Bagging Technique \rightarrow Random Forest



Random Forest (Bagging)

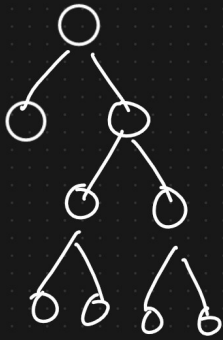


Classification \rightarrow Majority Voting Classifier \rightarrow Op

Regression \rightarrow Average \rightarrow Op

Decision Tree

Training
Dataset



\Rightarrow Overfitting \rightarrow Training Accuracy $\uparrow \rightarrow$ Low Bias
 \rightarrow Test Accuracy $\downarrow \rightarrow$ High Variance
Random Forest: Low Variance

$\left\{ \begin{array}{l} 90\% \\ 85\% \end{array} \right\}$ $\left\{ \begin{array}{l} 50\% \\ 60\% \end{array} \right\}$
 \downarrow
Bad



D.T

Random Forest

Low Bias \rightarrow Low Bias

High Variance \rightarrow Low Variance