

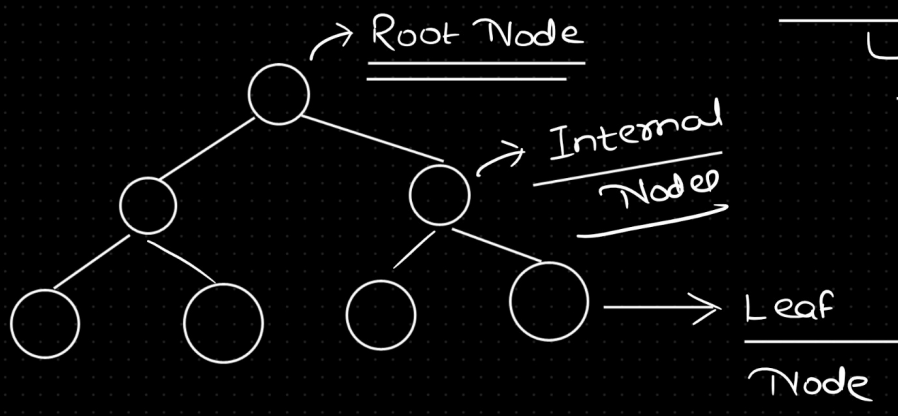
Decision Tree → ML (Classification &

Regression)
↳ Data Structure

↳ Non-Linear DS

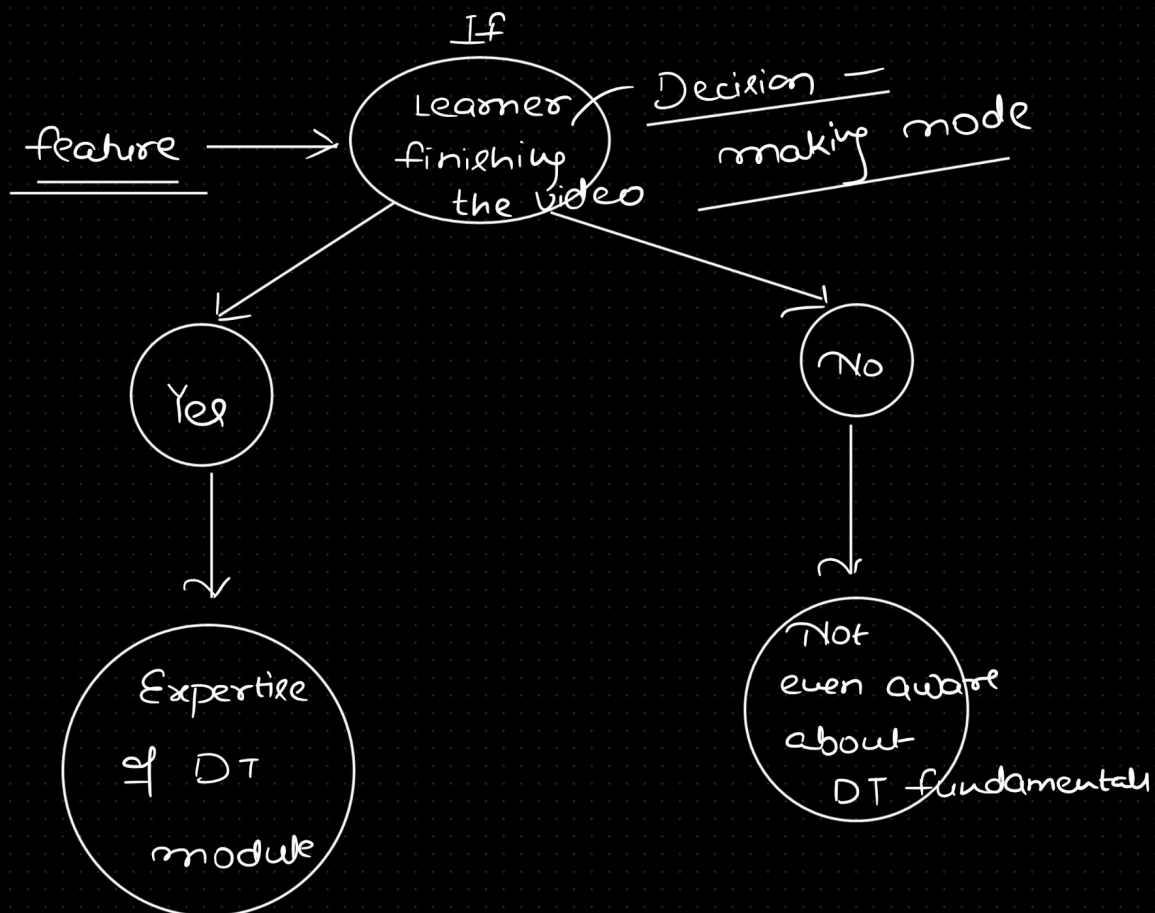
↳ Tree

Tree



↳ final Decision
↳ Classification Regression

Decision Tree



$\{f_1, f_2, f_3, f_4, \dots, f_{10}\} \rightarrow \text{target}$
(classification)

Leaf node (Yes (1)
(No (0))

Root node ?? (Discrete value)

2

Internal node

Impurity

Leaf Impurity

or

More Information Gain

Gini
Index
or

Entropy