DECISION TREE

Decision tree algorithm can be used for solving both regression (Continuous Variable) and classification (Categorical Variable) problems.

Important terminology

Root Node:

It represents the entire population or sample and is further divided into two or more sets.

Splitting:

It is a process of dividing a node into two or more sub-nodes.

Decision Node:

When a sub-node splits into further sub-nodes.

Leaf / Terminal Node:

Nodes which further cannot split.

Pruning:

The process of removing sub-nodes from a decision node.

Branch / Sub-Tree:

A subsection of the entire tree is called branch or sub-tree.

Parent and Child Node:

A node which is divided into sub-nodes is called as parent node of sub-nodes whereas sub-nodes are the child of a parent node.

THANK YOU