Splitter

Random - o for each feature select candom split value - o select the best out of the random split

Randomners + speed

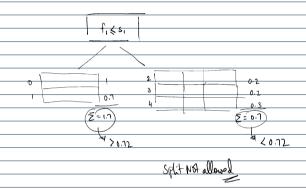
mar-depth

win-samples split: minimum # of samples reguired to split an internal no he

Min_samples_leaf: The minimum # of Samples required to be at a leaf node.

A split will occur only if it leaves at heart min samples leaf
training samples in each sight & light branches.

Suppose minue pt lachen luf = 0.3 - > 0.3 x 25 = 0.72



wax features: chosen at each split [int, float, sqret, by 2, Nove]

Note: the search for a split does not stop until at least one valid partition of the node samples is found, even if it requires to effectively inspect more than max_features features.

random-stone : - deterministic behaviour

Grow a tree with max_leaf_nodes in best-first fashion. Best nodes are defined as relative reduction in impurity. If None then unlimited number of leaf nodes.

Current shole:

Choose the one that is go

Choose the one that is giving more decrease in impurity

min impurity - decrease:

A node will be split if this split induces a decrease of the impurity greater than or equal to this value.

The weighted impurity decrease equation is the following:

 $\label{eq:n_t_n_t_n_t_n_t} N_t \ / \ N \ * \ (impurity - N_t_R \ / \ N_t \ * \ right_impurity \\ - \ N_t_L \ / \ N_t \ * \ left_impurity)$

where N is the total number of samples, N_ ξ is the number of samples at the current node, N_ ξ , is the number of samples in the left child, and N_ ξ , is the number of samples in the right child.

number of samples in the left child, and $N_t \in R$ is the number of samples in the right of $N_t \in R$ and $N_t \in R$

For multi-output, the weights of each column of y will be multiplied.