

min_samples_leaf: The minimum number of samples required in the left and right to be breach to be able to split on a node. This is thus the minimum number of samples required for a leaf node. When this is set to a very low value relative to the data overfitting can occur as it allows more splits and more leaves to occur in the tree. Some leaves can then be a result of a single/small set of examples and thus will not generalize well.

min_samples_split: This is the minimum number of samples required at a node to be able to split the data into new branches for an attribute. When the min_samples_split is set to a very low value it can overfit, because each leaf can then theoretically be representing a single training example and thus the tree will not generalize well to the test data.