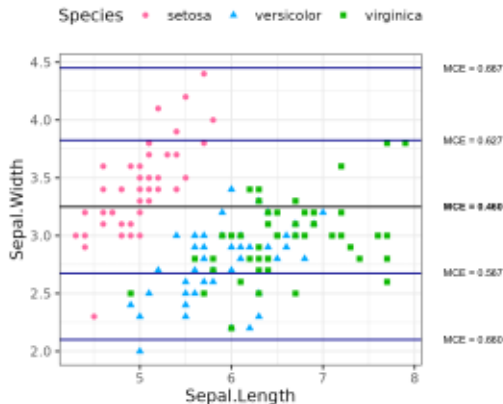


FINDING THE SPLIT

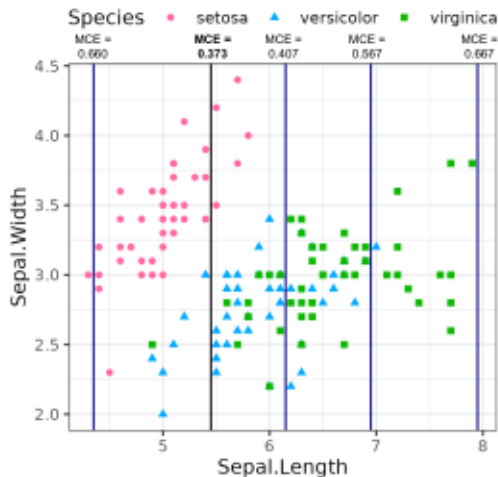
Assume we split the data so that the misclassification error (MCE) is minimal through the splitting.

First, we check a set of potential splits for `Sepal.Width`



FINDING THE SPLIT

Then we check a set of potential splits for `Sepal.Length`



FINDING THE SPLIT

- We take the split with lowest MCE: `Sepal.Length` = 5.5
- In real life, we actually search over many more splitting points. Common strategies involve: a) Searching over all possible split points (exhaustive search), b) searching quantile-wise
- MCE is rarely used, we will cover split criteria in detail later.



■ setosa
■ versicolor (unused)
■ virginica

