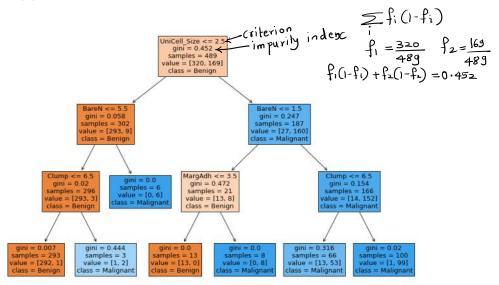
Wednesday, July 12, 2023 2:36 PM



ullet The algorithm goes on splitting the node with a feature k and a threshold t_k for which the following cost function is minimized

$$J(k, t_k) = \frac{m_{left}}{m} G_{left} + \frac{m_{right}}{m} G_{right}$$

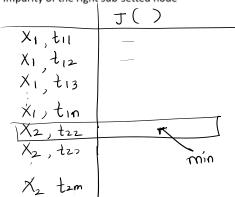
Where

 m_{left} : number of observations in the left sub-setted node

 G_{left} : Impurity of the left sub-setted node

 $\mathit{m}_{\mathit{right}}$: number of observations in the right sub-setted node

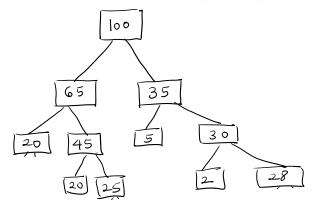
 G_{right} : Impurity of the right sub-setted node

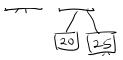


Samples = observations

min_samples_split: int or float, default=2 8 18 20 30

The minimum number of samples required to split an internal node









min_samples_leaf : int or float, default=1' | o

The minimum number of samples required to be at a leaf node.

