

+P10 = 1 tphigh = 0 Lar Entlopy (right) = 0 Step 9 Cal the weighter A voj Entropy ofter the Split Weighted Emropy = (Size of left) x Enropy (left) to tal size + (sice or right) x Entropy (right to tal size · Step 5 Cal Information Gain Entropy (parent) veighted Information Entropy nain =) I would thoose this as the root node De course it results in a perfect separation of the data classes, achieving the maximum possible information gain of I