

PREDICTION OF ACADEMIC SUCCESS, IN SUPERIOR EDUCATION, USING DECISION TREES



Team Presentation



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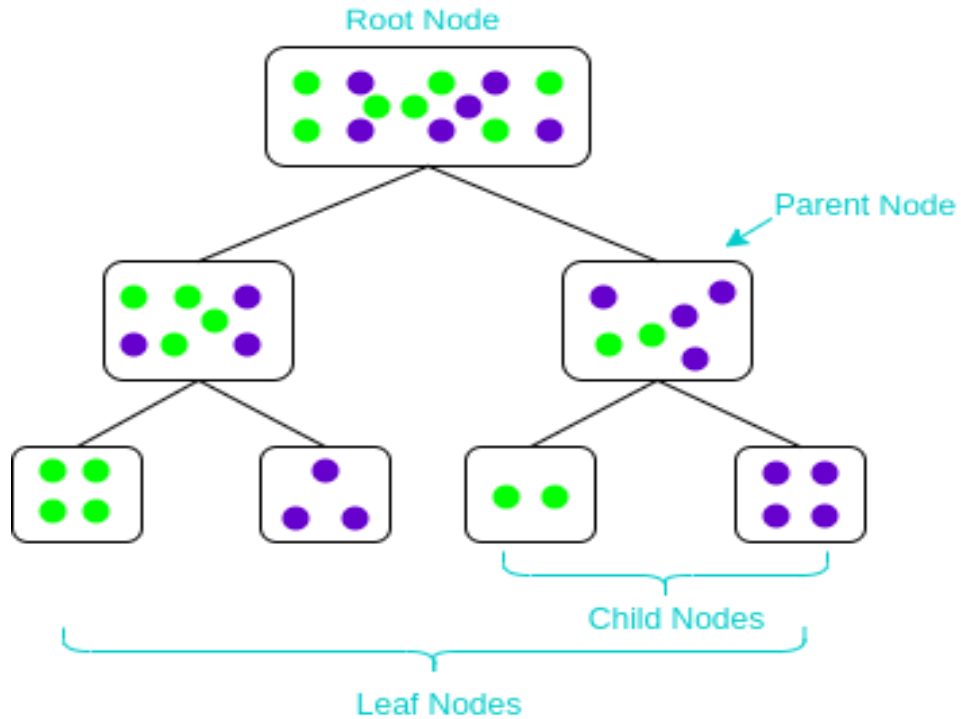
Santiago
Puerta



Miguel
Correa



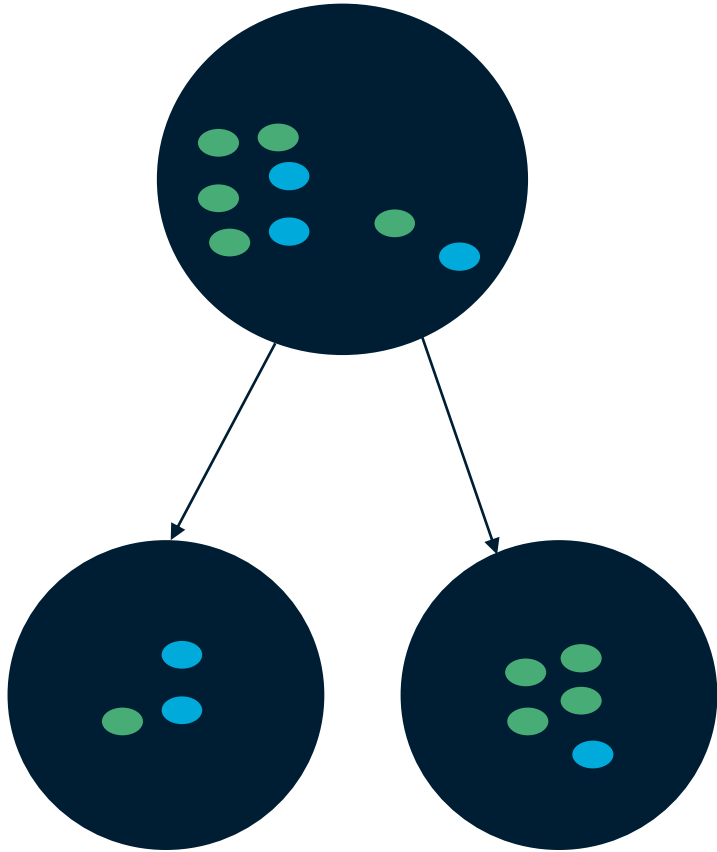
Mauricio
Toro



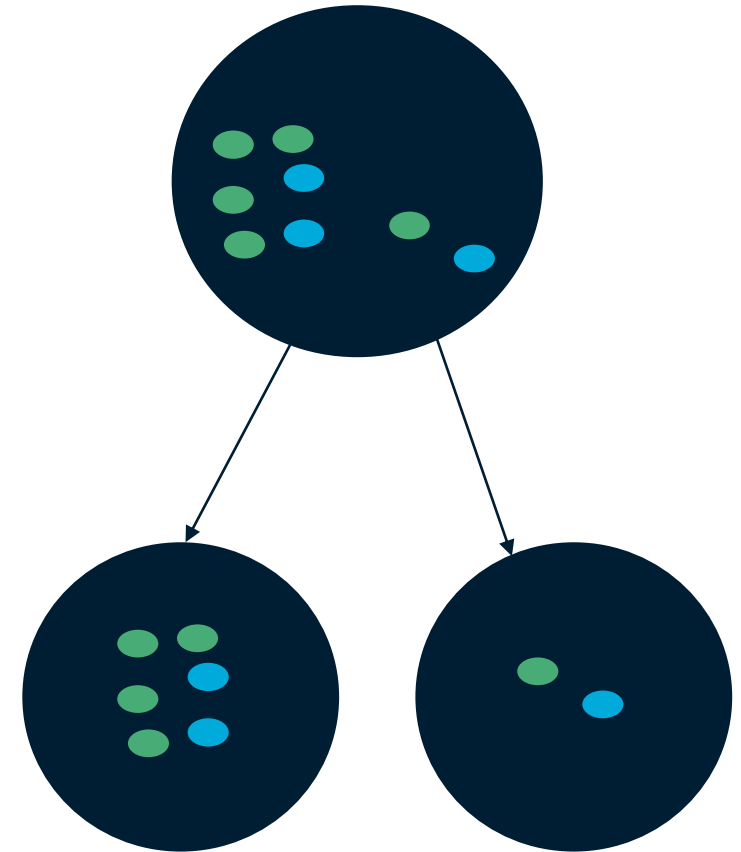
This image illustrates how a tree splits its nodes given the best variable that splits the data set. In our case this image shows how the tree would split the data set given certain condition.



Node Splitting



As an example, this split is based on the condition “city == “Medellin””. For this case, left Gini impurity is 0.44, right Gini impurity is 0.32, and weighed Gini impurity is 0.37.



As an example, this split is based on the condition “stratum == 4.” For this case, left Gini impurity is 0.44, right Gini impurity is 0.5, and weighed Gini impurity is 0.45.