UTILIZING DECISION TREES TO PREDICT STUDENT PERFORMANCE ON THE TEST "SABER PRO"

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Team Presentation
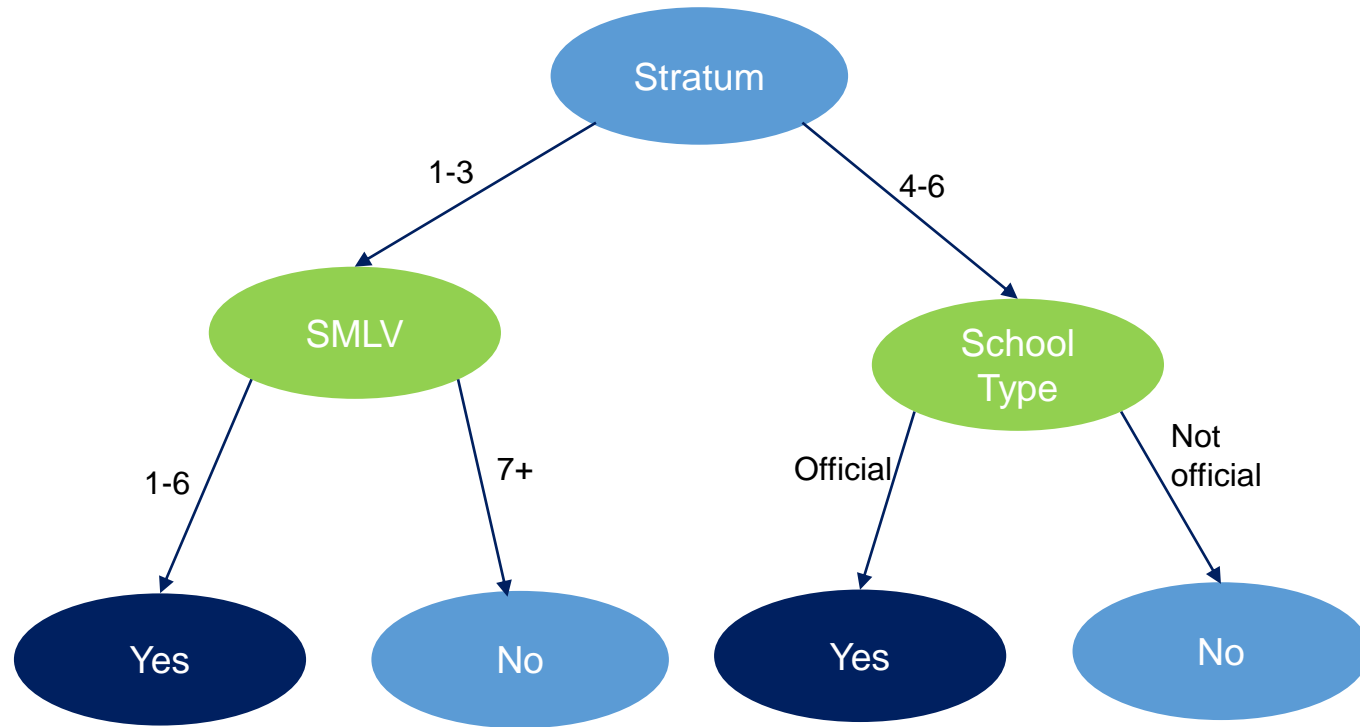
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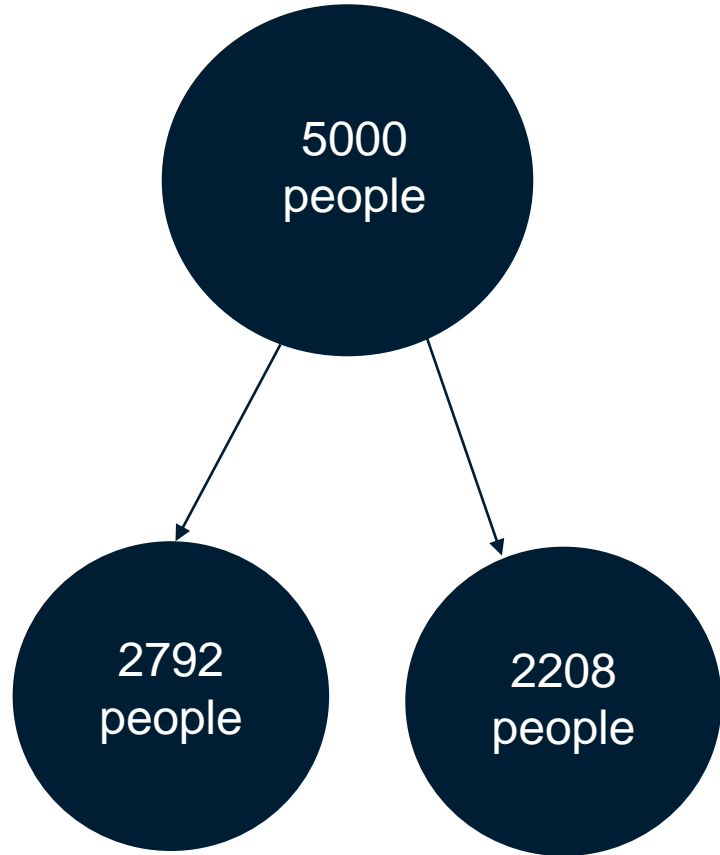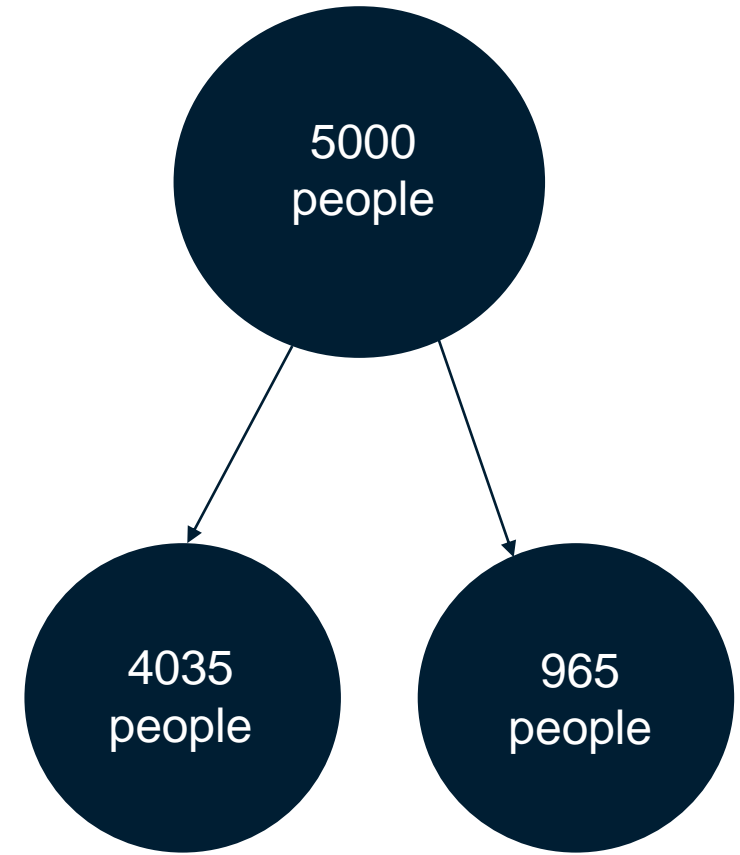EAFIT®

This is the training model for the CART tree that will be used in this project. In this example, we show a model to make decisions based on the stratum, the SMLV and the school type.

Node Splitting

As an example, this split is based on the condition "SchoolType==OFICIAL". For this case, left Gini impurity is 0.55, right Gini impurity is 0.44, and weigthed Gini impurity is 0.49.

As an example, this split is based on the condition "stratum <= 3." For this case, left Gini impurity is 0.81, right Gini impurity is 0.19, and weigthed Gini impurity is 0.31.