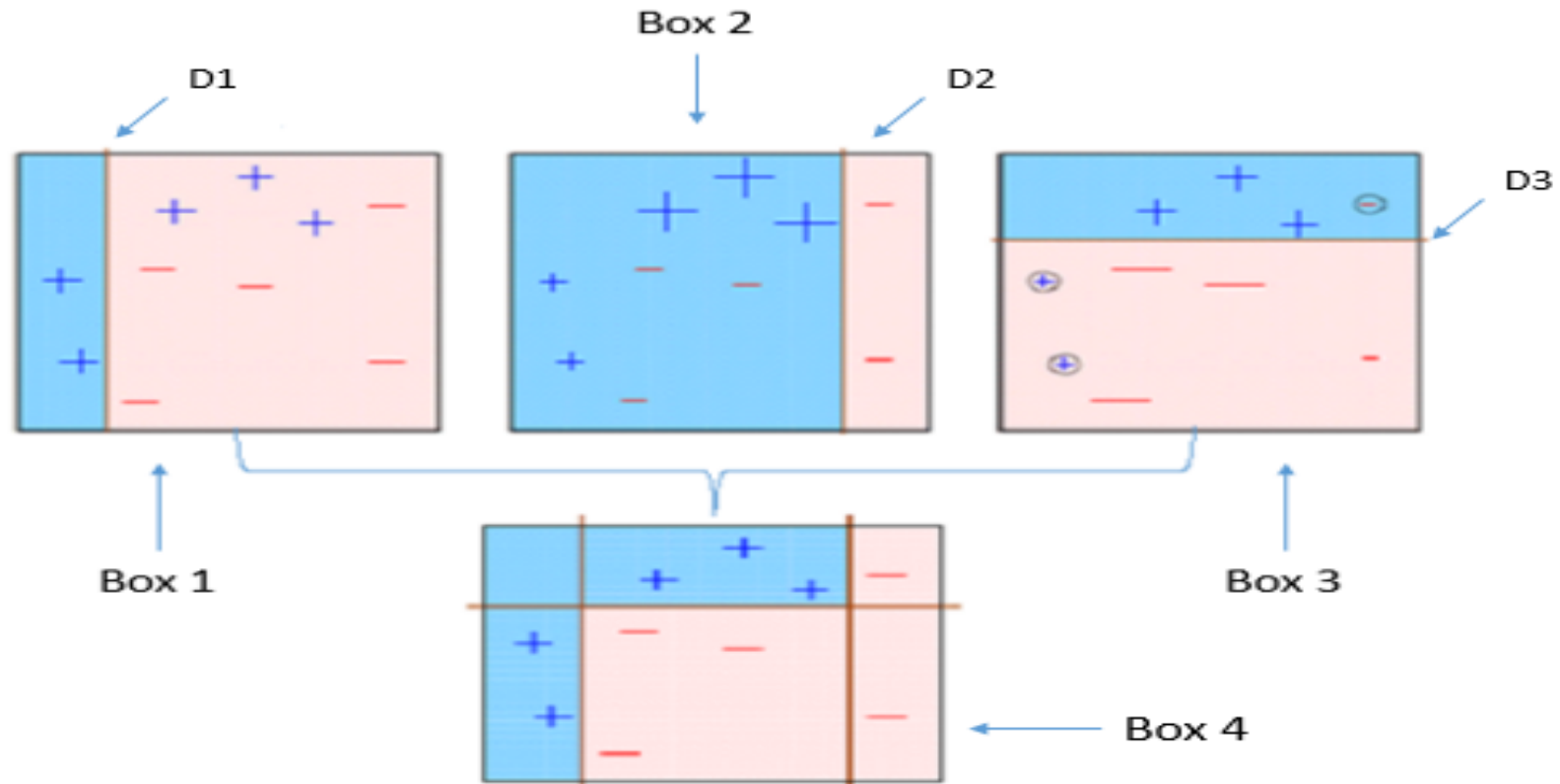# Boosting Algorithm

2.XG Boosting

XG Boosting

- XGBoost is the most popular machine learning algorithm these days.

- Regardless of the data type (regression or classification), it is well known to provide better solutions than other ML algorithms

- XGBoost belongs to a family of boosting algorithms that convert weak learners into strong learners

How does XGBoost work ?

Why Use XG Boost

The two reasons to use XGBoost are also the two goals of the project:

1. **Execution Speed.**

    Generally, XGBoost is fast. Really fast when compared to other implementations of gradient boosting.
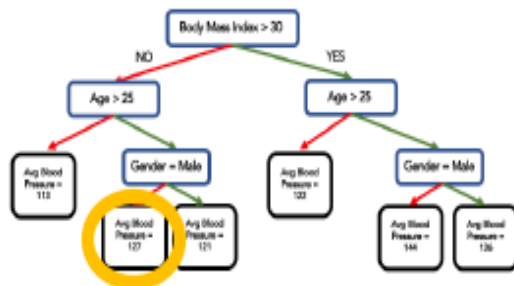
1. **Model Performance.**

    XGBoost dominates structured or tabular datasets on classification and regression predictive modeling problems.
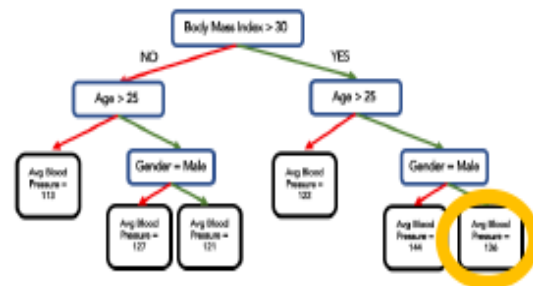
Patient 1
BMI: 33
Age: 24
Gender: Male

Predicted BP: 122

Patient 2
BMI: 24
Age: 31
Gender: Female

Predicted BP: 127

Patient 3
BMI: 37
Age: 42
Gender: Male

Predicted BP: 136