**Decision Trees using SAS Enterprise Miner**

Dataset:

<https://www.kaggle.com/datasets/pablomgomez21/drugs-a-b-c-x-y-for-decision-trees>

**About this file**

Imagine that you are a medical researcher compiling data for a study. You have collected data about a set of patients, all of whom suffered from the same illness. During their course of treatment, each patient responded to one of 5 medications, Drug A, Drug B, Drug c, Drug x and y.

Part of your job is to build a model to find out which drug might be appropriate for a future patient with the same illness. The features of this dataset are Age, Sex, Blood Pressure, and the Cholesterol of the patients, and the target is the drug that each patient responded to.

It is a sample of multiclass classifier, and you can use the training part of the dataset to build a decision tree, and then use it to predict the class of a unknown patient, or to prescribe a drug to a new patient.

Score Rankings Overlay: Drug

Chart, line chart

Description automatically generated

Leaf Statistics

Table

Description automatically generated with medium confidence

Treemap:

Chart

Description automatically generated with low confidence

Tree:

Diagram

Description automatically generated

Fit Statistics:

A picture containing graphical user interface

Description automatically generated

Output in a separate PDF file