Liver Failure Prediction

Overview

The liver is your body's largest internal organ. It lies up under your ribs on the right side of your belly. The liver does many important things including :

- Removes waste from the body, such as toxins and medicines
- Makes bile to help digest food
- Stores sugar that the body uses for energy
- Makes new proteins

Cirrhosis is when scar tissue replaces healthy liver tissue. This stops the liver from working normally. Cirrhosis is a long-term (chronic liver disease or acute liver failure). The damage to your liver builds up over time.

When you have cirrhosis, scar tissue slows the flow of blood through the liver. Over time, the liver can't work the way it should. In severe cases, the liver gets so badly damaged that it stops working. This is called liver failure.

In this hackathon, we challenge data science enthusiasts to predict the ALF (Acute Liver Failure) using 25 distinguishing features.

Data Dictionary

The dataset contains several subject (individual) parameters which can be useful for ALF (Acute Liver Failure) prediction. The features are self explanatory.

Submission File Format

Variable	Description
S No.	Serial Number
ALF	Predicted ALF (Acute Liver Failure)

Public and Private LeaderBoard

Test file is further divided into Public (25%) and Private (75%).

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

Evaluation Criteria

Your model performance will be evaluated on the basis of **F1-score**.

Rubrics

Component	Weightage
Data Cleaning and Data Visualization	25%
Model Building and Evaluation	60%
Pipeline and Deployment (Dashboard/Webapp)	15%