MODEL BUILDING

MODEL EVALUTION

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TEAM ID	PNT2022TMID05432
PROJECT NAME	STATISTICAL MACHINE LEARNING APPROACHES TO LIVER DISEASE PREDICTION

PROPOSED SYSTEM :

- This experimental analysis in this work contains steps. we first is an overall overview and analysis of the dataset generated for better under-standing of liver diseases.
- It is includes analyzing features which have a greater dependency of having a liver disease or not, and so on.

- I've sec-On the step is to apply Data Preprocessing techniques like Standardization of the feature variables and label encoding the target variable, for better predictions.

- we data are gathered from various medical laboratories, hospitals and
- medical centers. From this a mock Indian Liver Patient Dataset (ILPD)
- dataset is generated for analysis of liver disease.

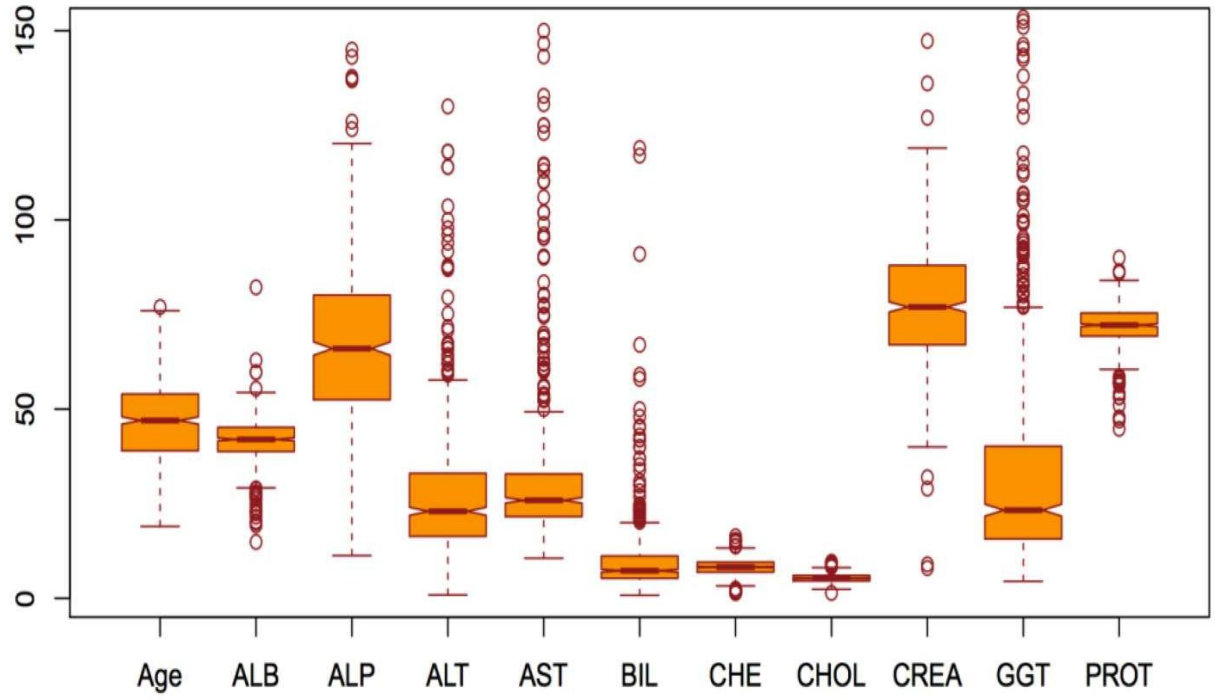
- It is collection of data
- includes 416 tuples of liver decease patient and 167 tuples of non-liver
- patients from Andhra Pradesh, India. “Dataset” class label is accessed
- to classify groups into liver disease patient or not. It is collection of
- data includes 142 record of female patients and 441 records of male

patients.

Attributes in this Dataset are:

- Age and Gender of the patient, Direct Bilirubin, Albumin and Globulin Ratio, Total Bilirubin, Alamine Aminotransferase, Albumin, Total Proteins, Alkaline Phosphotase. Data was further cleaned to remove noises and missing values and outliers were also dealt in the process.

- We also applied Data Normalization techniques to normalize certain variables for better feature preprocessing and getting better out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Age
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