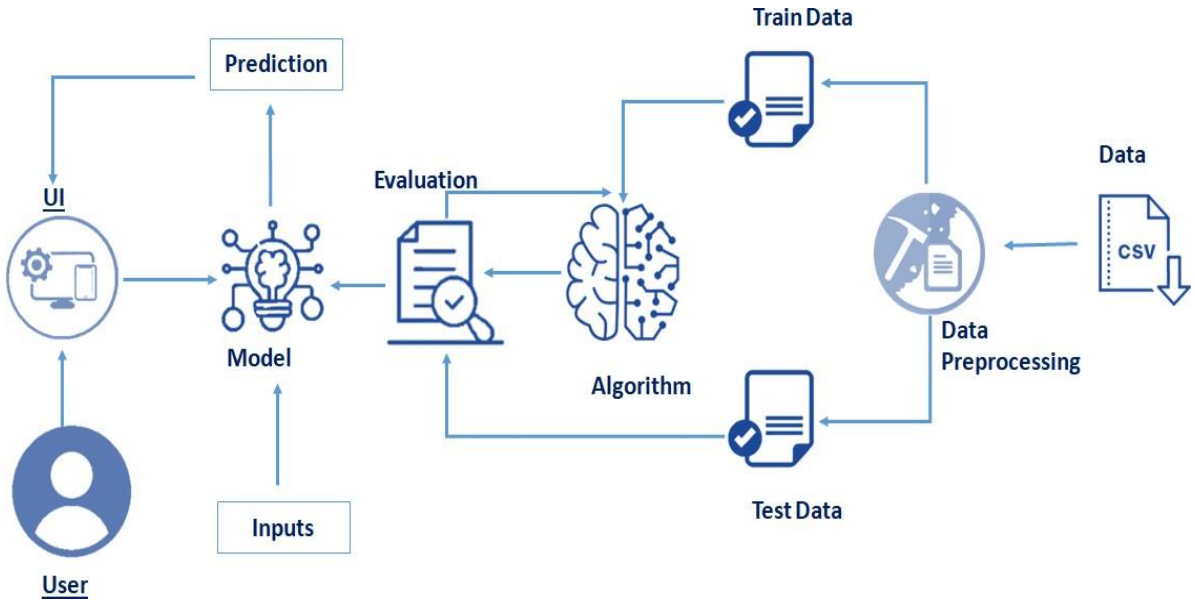
Problem Statement

Liver diseases avert the normal function of the liver. Mainly due to the large amount of alcohol consumption liver disease arises. Early prediction of liver disease using classification algorithms is an efficacious task that can help the doctors to diagnose the disease within a short duration of time. Discovering the existence of liver disease at an early stage is a complex task for the doctors. The main objective of this project is to analyze the parameters of various classification algorithms and compare their predictive accuracies so as to find out the best classifier for determining the liver disease.

This Project examines data from liver patients concentrating on relationships between a key list of liver enzymes, proteins, age and gender using them to try and predict the likeliness of liver disease. Here we are building a model by applying various machine learning algorithms find the best accurate model. And integrate to python-flask based web application. User can predict the disease by entering parameters in the web application.

Model For Statistical Machine Learning Approaches to Liver Disease Prediction



Questions	Description
Who does the problem affect?	People with heavy consumption of alcohol, maintaining improper diet, etc. could use this application to check their liver condition.
Why is it important to use?	On using this application, the user can predict that he/she has liver disease.
What are the benefits?	User/physician can able to take precaution and prevent the disease from getting serious.
How is it better than others?	This project provides models with better accuracy than existing ones and user-friendly web interface.
When to use?	If User has any symptom, he/she can use this model to confirm that (or) physicians can make use of this application in diagnosing.

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