Data Collection and Preprocessing Phase

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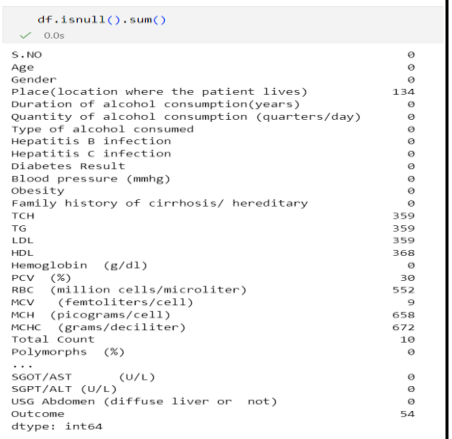
Team ID	LIVIP2025TMID 2174
Project Title	Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques.

Data Quality Report Template

This report summarizes the data quality issues identified in the liver cirrhosis dataset, along with their severity levels and proposed resolution plans. The goal is to systematically identify and rectify discrepancies to ensure high-quality data for accurate predictions.

Data Source	Data Quality Issue	Severity	Resolution Plan
Kaggle Dataset	Missing values in all the columns of the dataset. (42 columns)  df.isnull().sum() 0.0s S.NO 0 Age 0 Gender 0 Place(location where the patient lives) 134 Duration of alcohol consumption(years) 0 Quantity of alcohol consumption (quarters/day) 0 Type of alcohol consumed 0 Hepatitis B infection 0 Hepatitis C infection 0 Diabetes Result 0 Blood pressure (mmhg) 0 Obesity 0 Family history of cirrhosis/ hereditary 0 TCH 359 TG 359 LDL 359 HDL 368 Hemoglobin (g/dl) 0 PCV (%) 30 RBC (million cells/microliter) 552 MCV (femtoliters/cell) 9 MCH (picograms/cell) 658 MCHC (grams/deciliter) 672 Total Count 10 Polymorphs (%) 0 ... SGOT/AST (U/L) 0 SGPT/ALT (U/L) 0 USG Abdomen (diffuse liver or not) 0 Outcome 54 dtype: int64	High	Use mean/median imputation.
Kaggle Dataset	Categorical data in the dataset	Moderate	Perform encoding (e.g., Label Encoding or One-Hot Encoding).