Data Collection and Preprocessing Phase

| Date | 28June 2025 |
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| Team ID | LTVIP2025TMID44575 |
| Project Title | Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques. |
| Maximum Marks | 6 Marks |

**Data Exploration and Preprocessing Template**

Dataset variables will be statistically analyzed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modeling, and forming a strong foundation for insights and predictions.

| **Section** | **Description** |
| --- | --- |
| Data Overview | Dimension:  949 rows × 39 columns Descriptive statistics: |
| Univariate Analysis |  |

| Bivariate Analysis |  |
| --- | --- |
| Multivariate Analysis |  |

| Outliers and Anomalies |  |
| --- | --- |
| **Data Preprocessing Code Screenshots** | |
| Loading Data |  |

| Handling Missing Data |  |
| --- | --- |
| Data Transformation |  |

| Feature Engineering |  |
| --- | --- |
| Save Processed Data |  |