

**Data Collection and Preprocessing Phase**

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| Date | 13 july 2024 |
| Team ID | 739805 |
| Project Title | Prediction and Analysis of Liver Patient Data Using Machine Learning |
| Maximum Marks | 2 Marks |

# Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

# Data Collection Plan Template

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| **Section** | **Description** |
| Project Overview | This project aims to enhance liver disease diagnosis and treatment by leveraging machine learning techniques to analyze patient data, providing accurate predictions and personalized treatment plans for improved healthcare outcomes. |
| Data Collection Plan | * Data will be collected from patient records in collaboration with healthcare institutions. * Prioritize datasets with diverse demographic information. * Data from clinical trials and liver disease research studies. |
| Raw Data Sources  Identified | The raw data sources for this project include datasets obtained from Kaggle & UCI, the popular platforms for data science competitions and repositories. The provided indian liver patient data represents a subset of the collected information, encompassing the variables such |



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| --- | --- |
|  | as Age, Gender, Total\_Bilirubin, Direct\_Bilirubin,  Alkaline\_Phosphotase, Alamine\_Aminotransferase,  Aspartate\_Aminotransferase, Total\_Protiens, Albumin,  Albumin\_and\_Globulin\_Ratio and Dataset |

# Raw Data Sources Template

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| --- | --- | --- | --- | --- | --- |
| **Source**  **Name** | **Description** | **Location**  **/URL** | **Format** | **Size** | **Access Permissions** |
| Kaggle  Dataset | The dataset contains demographic and clinical data related to liver patients(Age, Gender,  Total\_Bilirubin,  Direct\_Bilirubin,  Alkaline\_Phosphotase,  Alamine\_Aminotransferase,  Aspartate\_Aminotransferase,  Total\_Protiens, Albumin, Albumin\_and\_Globulin\_Rat io and Dataset). | https://w ww.kagg le.com/u ciml/indi an-liverpatientrecords | CSV | 24 KB | Public |