Data Collection and Preprocessing Phase

Date	15 July 2024
Team ID	740044
Project Title	**One Year Life Expectancy post on Thoracic Surgery using Machine Learning**
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Report:

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:

Section	Description

Project Overview	Predicting one-year life expectancy after thoracic surgery is crucial for patient well-being and clinical decision-making. Machine learning (ML) offers advanced capabilities to analyze complex datasets and provide accurate predictions, aiding in better management and outcomes for patients undergoing thoracic surgery.

Data Collection Plan	● Search for datasets related to patient data, demographic information, and decisions regarding details. ● Prioritize datasets with diverse demographic information.

Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Patients, the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as cough,fev,fvc,performance,Haemoptysis,pain ,weakness tumor_size,diabetes_mellitus, MI_6mo, pad, smoking,asthma,age.

Raw Data Sources Report:

Source					**Access**

Name	Description	Location/URL	Format	Size	Permissions
Dataset	The data consist of • Pain • FVC • FEV1 • Performance • Haemoptysis • Dyspnoea • Cough • Weakness • Tumor Size • Diabetes Mellitus • MI_6mo • PAD • Smoking • Asthma • Age • Death_1year	ThoracicSurgery.csv - Google Drive	CSV	18 KB	Public