

Data Collection and Preprocessing Phase

Date	29 March 2024
Team ID	Team - 737850
Project Title	FetalAI: Using Machine Learning To Predict And Monitor Fetal Health
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	The machine learning project aims to create a precise system for evaluating fetal well-being during pregnancy, utilizing machine learning algorithms and fetal monitoring data to enhance prenatal care through ethical deployment in clinical settings
Data Collection Plan	<ul style="list-style-type: none"> ● Search for datasets related to Fetal health. ● Prioritize datasets with diverse Fetal health information.
Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Kaggle , the popular platform for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as baseline value, accelerations, fetal movement, uterine_constrictions, light_decelerations, severe_decelerations

	details for machine learning analysis.
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Raw Data Sources Report:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The dataset comprises applicant details (baseline value accelerations fetal movement uterine_contraction s light_decelerations severe_deceleration s,etc.), and it predicts and monitors Fetal health.	https://www.kaggle.com/datasets/andrewmvd/fetal-health-classification	CSV	47 kB	Public