



Data Collection and Preprocessing Phase

Date	30 April 2024
Team ID	Team - 737850
Project Title	FetalAl: Using Machine Learning To Predict And Monitor Fetal Health
Maximum Marks	6 Marks

Data Exploration and Preprocessing Report

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		
	<u>Dimension:</u> 2126 rows × 22 columns <u>Descriptive statistics:</u>		
Data Overview	#data.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 2126 entries, 0 to 2125 Data columns (total 22 columns): # Column 0 baseline value 1 accelerations 2 fetal_movement 3 light_decelerations 5 severe_decelerations 6 prolongued_decelerations 7 abnormal_short_term_variability 8 mean_value_of_short_term_variability 9 percentage_of_time_with_abnormal_long_term_variability 11 histogram_width 12 histogram_min 13 histogram_max 14 histogram_mode 15 histogram_mode 16 histogram_medain 19 histogram_medain 19 histogram_medain 19 histogram_median 19 histogram_medency 21 fetal_health dtypes: float64(22) memory_usage: 365.5 KB</class>	Non-Null Count	Dtype float64 float64 float64 float64 float64 float64 float64 float64 float64 float66
Univariate Analysis			

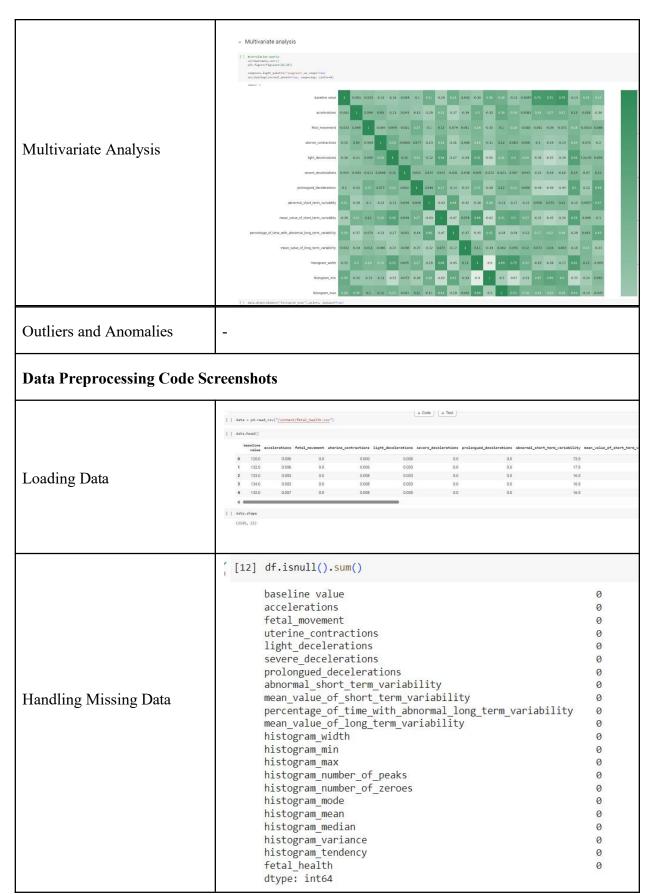
















Data Transformation	The data is already transformed.
Feature Engineering	Attached the codes in final submission.
Save Processed Data	-