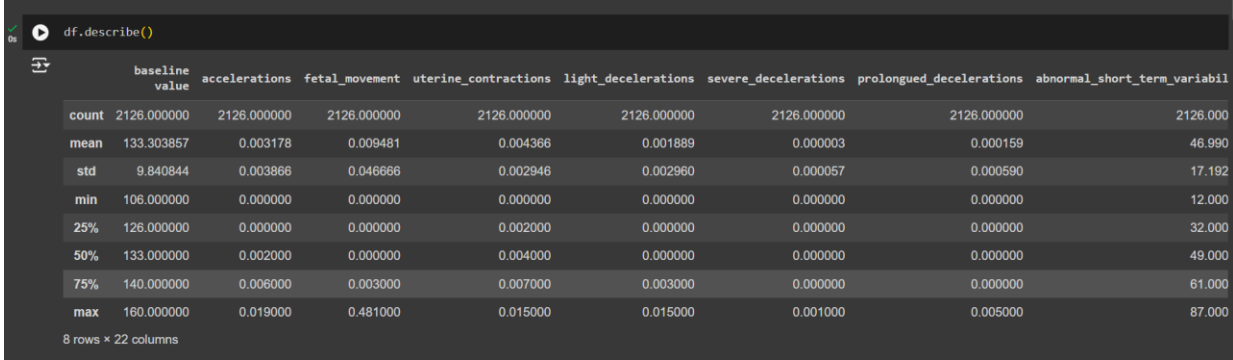


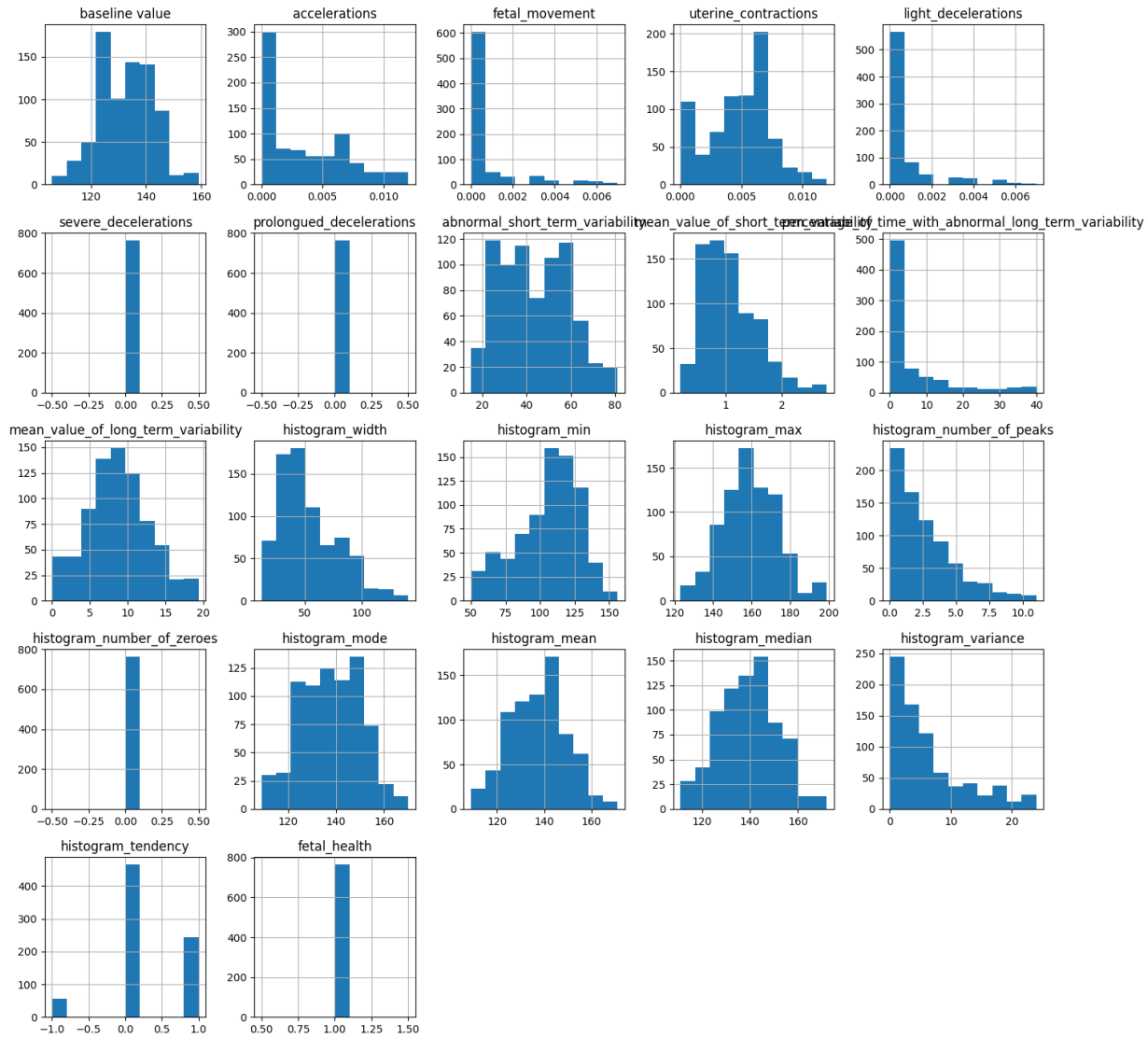
## Data Collection and Preprocessing Phase

Date	05-07-2024
Team ID	739694
Project Title	FetalAI: Using Machine Learning To Predict And Monitor Fetal Health
Maximum Marks	6 Marks

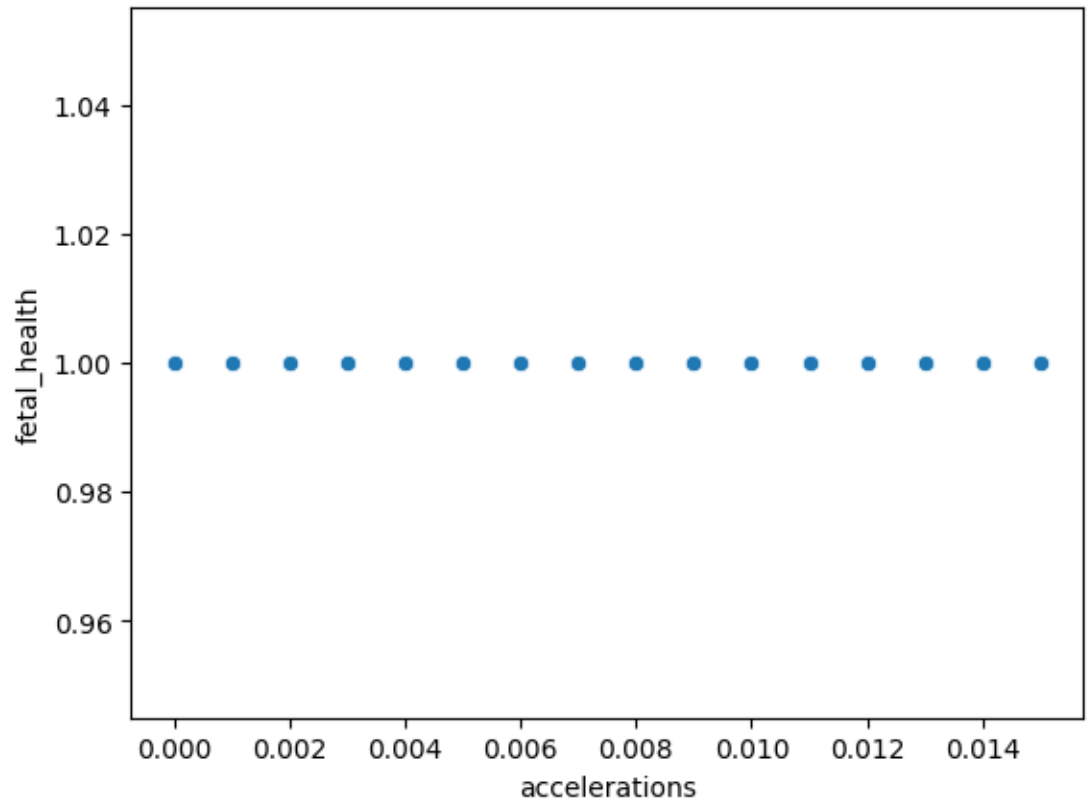
### Data Exploration and Preprocessing Report

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
Data Overview	<p><u>Dimension:</u> 8 rows × 22 columns</p> <p><u>Descriptive statistics:</u></p>  <p>The screenshot shows the output of the <code>df.describe()</code> command in a Jupyter Notebook. It displays a summary of the dataset's statistics for 8 rows and 22 columns. The columns included are baseline_value, accelerations, fetal_movement, uterine_contractions, light_decelerations, severe_decelerations, prolonged_decelerations, and abnormal_short_term_variabil. The statistics provided are count, mean, std, min, 25%, 50%, 75%, and max.</p>
Univariate Analysis	



Bivariate  
Analysis



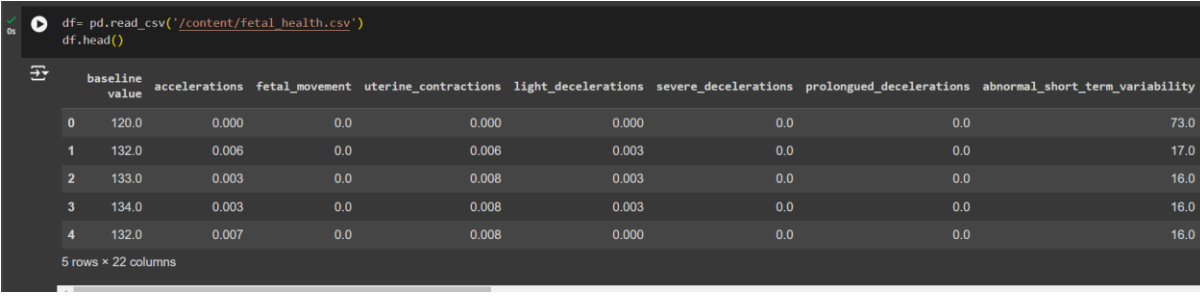
## Multivariate Analysis



## Outliers and Anomalies

-

## Data Preprocessing Code Screenshots

Loading Data	<pre>df= pd.read_csv('/content/fetal_health.csv') df.head()</pre> 
Handling Missing Data	-
Data Transformation	-
Feature Engineering	Attached the codes in final submission.
Save Processed Data	-