**Data Collection and Preprocessing Phase**

|  |  |
| --- | --- |
| Date | 21 June 2024 |
| Team ID | 740037 |
| Project Title | Estimating Presence or Absence of smoking Through Bio Signals |
| Maximum Marks | 6 Marks |

**Data Exploration and Preprocessing Report**

Effective data exploration and preprocessing are foundational steps in developing a reliable system for estimating smoking behavior using biosignals. By understanding the characteristics of the data, addressing noise and outliers, and extracting meaningful features, the processed data is now ready for further analysis and model development.

|  |  |
| --- | --- |
| **Section** | **Description** |
| Data Overview | Descriptive statistics: |
| Univariate Analysis |  |

|  |  |
| --- | --- |
| Bivariate Analysis |  |
| Multivariate Analysis | - |

|  |  |
| --- | --- |
| Outliers and Anomalies |  |
| **Data Preprocessing Code Screenshots** | |
| Loading Data |  |
| Handling Missing Data |  |
| Data Transformation | - |
| Feature Engineering | Attached the codes in final submission. |
| Save Processed Data | - |