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| **Section** | **Description** |
| Data Overview | Dimension:  13611 rows × 18 columns  Descriptive statistics: |
| Univariate Analysis |  |

**Data Collection and Preprocessing Phase**

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| --- | --- |
| Date | 10 July 2024 |
| Team ID | 739966 |
| Project Title | Beansense: Precision Bean Classification For Enhanced Agricultural And Culinary Applications |
| 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.

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

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