**Data Collection and Preprocessing Phase Report**

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| Date | 12 July 2024 |
| Team ID | Team - 740292 |
| Project Title | Abalone Age Prediction |
| 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 endeavour.

**Data Collection Plan:**

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| --- | --- |
| **Section** | **Description** |
| Project Overview | The machine learning project aims to predict Abalone Age based on its features. Using a dataset with features such Sex, Diameter,  Length, Height, Whole weight, Shucked weight, Shell weight,  Viscera weight, Rings, the objective is to build a model that accurately Predicts Abalone Age. |
| Data Collection Plan | * Search for datasets related to Abalone Age. * Prioritize datasets with diverse information. |
| Raw Data Sources  Identified | The raw data sources for this project include datasets obtained from Kaggle, one of the popular platforms for data science  competitions and repositories. The provided sample data  represents a subset of the collected information, encompassing  variables such as Sex, Diameter, Length, Height, Whole weight,  Shucked weight, Shell weight, Viscera weight, Rings. |

**Raw Data Sources Report:**

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| --- | --- | --- | --- | --- |
| **Source**  **Name** | **Description** | **Location/URL** | **Format** | **Size** |
| **Kaggle** | **Dataset contains features**  **like Sex,**  **Diameter,**  **Length,**  **Height,**  **Whole**  **weight,**  **Shucked weight,**  **Shell weight, Viscera weight, Rings.** | [**https://www.kaggle.com/datasets/rodolfomendes/abalone-**](https://www.kaggle.com/datasets/rodolfomendes/abalone-dataset) | **CSV** | **59**  **KB** |
| [**dataset**](https://www.kaggle.com/datasets/rodolfomendes/abalone-dataset) |
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