**Data Collection and Preprocessing Phase**

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| Date | 15 JULY 2024 |
| Team ID | 739672 |
| Project Title | Car Performance Prediction |
| Maximum Marks | 2 Marks |

**Data Collection Plan & Raw Data Sources Identification Template**

Identified raw data sources for car performance prediction include vehicle manufacturer specifications, fuel consumption records, user reviews, sales data, insurance claims, maintenance records, environmental data, sensor data, and market surveys.

**Data Collection Plan Template**

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| --- | --- |
| **Section** | **Description** |
| Project Overview | The project aims to predict car performance by analyzing various factors such as engine specifications, fuel type, and maintenance records, using machine learning techniques to provide accurate, data-driven insights for manufacturers and consumers. |
| Data Collection Plan | Gather data from manufacturers, maintenance records, fuel consumption logs, user reviews, sales data, insurance claims, sensor outputs, and environmental sources to create a comprehensive dataset for accurate car performance prediction using machine learning models. |
| Raw Data Sources  Identified | Identified raw data sources for car performance prediction include vehicle manufacturer specifications, fuel consumption records, user reviews, sales data, insurance claims, maintenance records, environmental data, sensor data, and market surveys. |

**Raw Data Sources Template**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source**  **Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| Kaggle  Dataset | Historical data on  Air Quality Data in  India Air Quality Index (AQI) and hourly data across stations and cities in  India | [https://www.kagg](https://www.kagg/) le.com/datasets/ro hanrao/airquality-data-inindia | CSV | 76MB | Public |