**Data Collection and Preprocessing Phase**

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| Date | 9 July 2024 |
| Team ID | SWTID1720019244 |
| Project Title | Traffictelligence: Advanced Traffic Volume Estimation with Machine Learning |
| Maximum Marks | 2 Marks |

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

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 endeavor.

**Data Collection Plan Template**

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| **Section** | **Description** |
| Project Overview | "Traffictelligence leverages machine learning to advance traffic volume estimation, enhancing accuracy and efficiency in urban planning and transportation management. By analyzing historical data and real-time inputs, it provides robust predictions, optimizing traffic flow and infrastructure utilization. This project aims to revolutionize urban mobility through cutting-edge AI technology." |
| Data Collection Plan | * Search for datasets related to holiday information, temperature, weather and traffic volume. * Prioritize datasets with diverse climatic informations |
| Raw Data Sources Identified | The raw data sources for this project include datasets obtained from  Skill wallet platform. The provided sample data represents a subset of the collected information, encompassing variables such as holiday, temp, rain, snow, weather, date, Time and Traffic Volume details for machine learning analysis |

**Raw Data Sources Template**

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| --- | --- | --- | --- | --- | --- |
| **Source Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| Skill Wallet Dataset | The dataset comprises details like holiday, temp, rain, snow, weather, date, Time and Traffic Volume | https://drive.google.com/file/d/1iV5PfYAmI6YP0\_0S4KYy1ZahHOqMgDbM/view | CSV | 2.2 MB | Public |