**Data Collection and Preprocessing Phase**

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| Date | 10 July 2024 |
| Team ID | 739835 |
| Project Title | Credit card approval prediction using ML |
| 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 endeavor.

**Data Collection Plan:**

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| **Section** | **Description** |
| Project Overview | The machine learning project aims to predict credit card approval based on applicant information. Using a dataset with features such as gender, children, income, and credit history, the objective is to build a model that accurately classifies credit status (approved or denied), facilitating efficient and informed decision-making in the approval process. |
| Data Collection Plan | * Search for datasets related to credit card approvals, financial information, and applicant details. * Prioritize datasets with diverse demographic information. |
| Raw Data Sources  Identified | The raw data sources for this project include datasets obtained from Kaggle & UCI, the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as gender, |

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|  | children, income, and credit card related details for machine learning analysis. |

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| **Source**  **Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| Kaggle  Dataset | The dataset comprises applicant details (gender, children), financial metrics (income, income type), and credit card approval outcomes. | <https://www.kaggle.com/namphuengauawatcharo/credit-card-approval-prediction/data> | CSV | 15 kB | Public |
| UCI | This data concerns credit card applications; a good mix of attributes | [https://archive.ics .uci.edu/dataset/2](https://archive.ics.uci.edu/dataset/27/credit+approval)  [7/credit+approval](https://archive.ics.uci.edu/dataset/27/credit+approval) | CSV | 13.6  kB | Public |

**Raw Data Sources Report:**