**Data Collection and Preprocessing Phase**

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| Date | 4th July 2024 |
| Team ID | 739918 |
| Project Title | Food demand forecasting for food delivery company |
| 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 | Food Demand Forecasting for a Food Delivery Company using IBM Cloud involves leveraging advanced data analytics and machine learning algorithms to predict the future demand for various food items. By analyzing historical data such as order volumes, time of day, day of the week, weather conditions, and special events, the system can forecast the demand accurately. This helps the food delivery company optimize its operations by efficiently allocating resources, reducing wastage, and ensuring timely delivery to customers |
| Data Collection Plan | Our base data consists of four csv files containing information about test data, train data and other required information  .train.csv: Contains information like id, week, center id, meal id, checkout price, base price, emailer for promotion, homepage featured, number of orders. This file is used for training.  . test.csv: Contains information like id, week, center id, meal id, checkout price, base price, emailer for promotion, homepage featured. This file is used for testing.  . fulfilment\_center\_info.csv: Contains information of each fulfilment center.  . meal\_info.csv: Contains information of each meal being served. |
| 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. |

**Raw Data Sources Template**

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| **Source Name** | **Description** | **Location/URL** | **Format** | **Size** | **Access Permissions** |
| Kaggle Dataset | This dataset consists of various parameters like (id,week,center\_id,meal\_id,check\_out price,num\_of orders etc) | https://www.kaggle.com/datasets/kannanaikkal/food-demand-forecasting | CSV | 337 kB | Public |