

Data Collection and Preprocessing Phase

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| Date | 23 June 2025 |
| Team ID | NA |
| Project Title | Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI |
| 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

| Section | Description |
|------------------|--|
| Project Overview | <p>The objective of this project by ABC Company was to conduct a comprehensive analysis of global food production trends from 1961 to 2023, focusing on key agricultural commodities. Using Power BI, the project aimed to visualize and interpret production data to uncover patterns, regional strengths, and long-term shifts in global agriculture. These insights are intended to support strategic decision-making in the agri-business and food security sectors.</p> <p>The study confirms a consistent rise in staple crop production, with wheat showing the most significant growth. It also provides a comparative fruit production analysis, helping identify priority crops and regions for investment, research, and policy development.</p> |

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| Data Collection Plan | Collected the data from Kaggle. https://www.kaggle.com/datasets/rafsunahmad/world-food-production |
| Raw Data Sources Identified | <p>This dataset contains data of total production of different types of foods in per year in each country from 1961-2023 of all country.</p> <p>The foods are:</p> <p>Maize Rice Yams Wheat Tomatoes Tea Sweet potatoes Sunflower seed Sugar cane Soybeans Rye Potatoes Oranges Peas dry Palm oil Grapes Coffee green Cocoa beans Meat chicken Bananas Avocados Apples</p> |

Raw Data Sources Template

| Source Name | Description | Location/URL | Format | Size | Access Permissions |
|-------------|------------------------------|---|--------|--------|--------------------|
| Dataset 1 | World Food Production | https://www.kaggle.com/datasets/rafsunahmad/world-food-production/data | CSV | 2.14mb | Public |

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|-----------|----------------------------------|---|-----|-------------|--------|
| Dataset 2 | Telecom Churn Dataset | https://www.kaggle.com/datasets/suraj520/telecom-churn-dataset | CSV | 18.85 MB | Public |
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