

# Report

Date	25-12-2025
Team ID	
Project Name	Global Food Production Analysis (1961–2023)
Maximum Marks	5 Marks

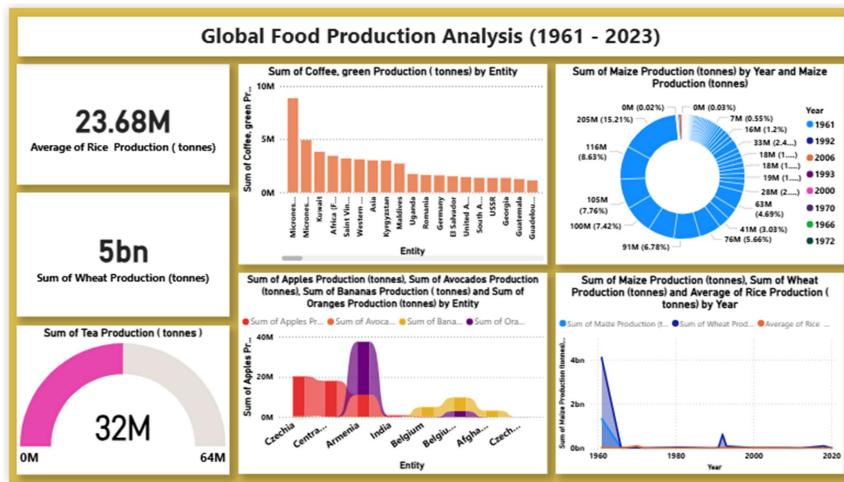
## Report Overview

A report is a comprehensive document that presents a detailed and structured account of data analysis, findings, and insights. In this project, the Power BI report is designed to communicate global food production trends clearly and effectively to stakeholders, analysts, and decision-makers.

The report combines interactive visualizations with well-organized layouts to support in-depth analysis and informed decision-making.

## Report Design in Power BI

The Power BI report was created by connecting to global food production datasets and developing multiple visualizations such as charts, graphs, and KPIs. The visuals were customized for clarity and interactivity, arranged logically on the report canvas, and formatted consistently to enhance readability. Interactive filters and slicers were incorporated to allow users to explore data dynamically. Feedback-driven iterations were applied to improve usability and insight delivery.



## Observations Drawn from the Power BI Report

- **1. Trends Over Time**
- The report shows a steady increase in the production of major crops such as wheat, maize, and rice from 1961 to 2023.
- Wheat demonstrates the most significant long-term growth, indicating rising global demand and improved agricultural practices.
- **2. Performance Comparisons**

- Comparative analysis across regions highlights that Asia and Europe are major contributors to global food production.
- Africa leads in green coffee production, reflecting regional specialization in certain crops.
- **3. Crop Category Analysis**
- Among fruits, grapes have the highest total production, followed by apples, bananas, and oranges.
- Tea production, although lower in volume compared to staple crops, shows consistent growth over the years.
- **4. Goal Achievement and Insights**
- The report successfully meets its analytical goals by providing clear insights into crop dominance, regional contributions, and production trends.
- KPIs and summary visuals help stakeholders quickly assess overall production performance.

#### **Key Findings from the Report**

1. **Global Production Growth:**  
Overall food production has increased significantly over the decades, driven mainly by wheat, maize, and rice.
2. **Regional Dominance:**  
Asia and Europe play a crucial role in global crop and fruit production, while Africa is prominent in green coffee production.
3. **Fruit Production Leadership:**  
Grapes emerge as the most produced fruit globally, indicating strong demand and wide cultivation.
4. **Decision Support:**  
The interactive nature of the report enables users to filter data by year, crop, and region, supporting data-driven strategic decisions.