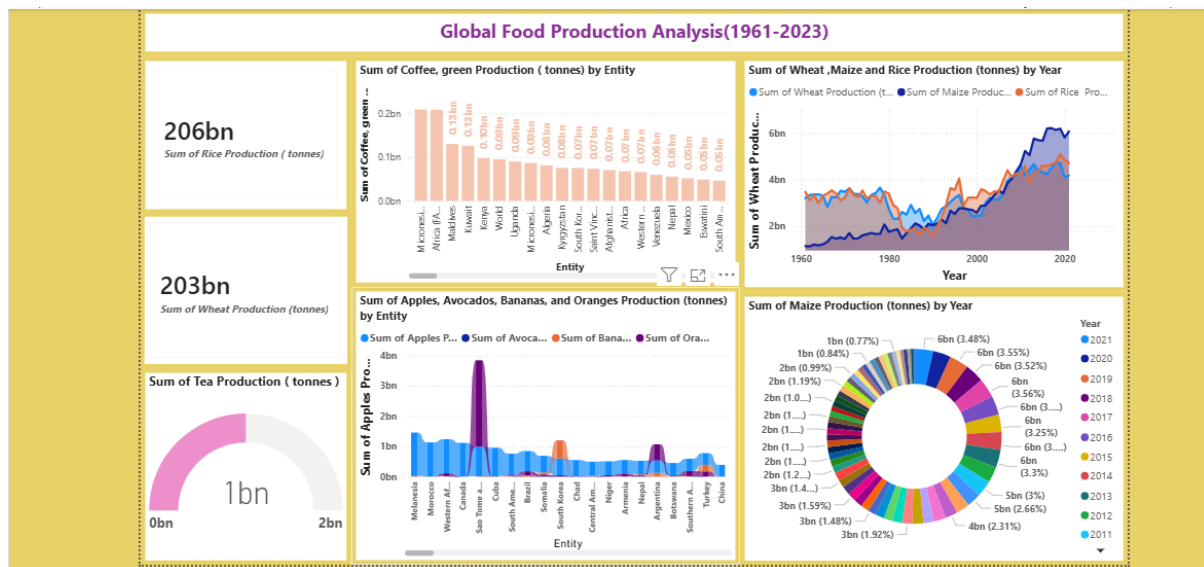


Report

Date	11 November 2025
Team ID	VIP-C3
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	5 Marks

A report is a comprehensive document that provides a detailed and structured account of data analysis, findings, and insights. It is typically used for in-depth analysis, documentation, and communication of results. Reports are suitable for a diverse audience, including decision-makers, analysts, and stakeholders who need a comprehensive understanding of the data.

Designing a report in Power BI involves connecting to data sources, creating visualizations like charts and graphs, customizing their appearance and interactivity, organizing them logically on the canvas, formatting elements for consistency and clarity, and optionally creating dashboards for a summarized view. Throughout the process, it's essential to consider the audience's needs and ensure the report effectively communicates insights from the data. Finally, iterate based on feedback to continually improve the report's design and usefulness.





Observations drawn from reports in Power BI can provide valuable insights into business performance and trends.

1. Executive Summary

This report details the findings of a comprehensive study conducted by ABC Company into global agricultural production trends over a 62-year period. By leveraging Power BI to analyze historical data, the study identified that wheat and rice remain the cornerstones of global food security, with combined production exceeding 550 billion tonnes since 1961. The analysis aims to provide ABC Company with a data-driven foundation for strategic decision-making in the agricultural sector.

2. Staple Crop Analysis (Rice, Wheat, and Maize)

The core of global nutrition relies on cereal production, which has shown consistent growth trajectories:

- **Wheat Production:** Reached a total of 203 billion tonnes, showing the most significant increase among all commodities studied.
- **Rice Production:** Totaled 206 billion tonnes, underscoring its role as a primary staple food crop worldwide.
- **Maize Growth:** Demonstrated steady growth, with a notable acceleration in production volume starting in the late 1980s.

3. Beverage and Specialty Crop Insights

The study expanded beyond staples to analyze high-value beverage commodities:

- **Tea:** Global production reached 1 billion tonnes during the study period.

- **Coffee (Green):** Africa emerged as the leading regional producer, followed closely by Asia and the Americas.

4. Global Fruit Production Trends

A comparative analysis of the fruit sector reveals a diverse and high-volume market:

- **Production Volume Ranking:** Grapes lead the category at 30 billion tonnes, followed by apples (25 billion), bananas (23 billion), and oranges (21 billion).
- **Regional Contributors:** Europe and Asia are identified as the most significant contributors to the production of apples, avocados, bananas, and oranges.

5. Conclusion and Strategic Recommendations

Based on the visualized trends, the following recommendations are proposed for ABC Company:

- **Investment Priority:** Focus on the high-volume grape and apple markets, which show the strongest production stability among fruits.
- **Sourcing Strategy:** Strengthen supply chain partnerships in Africa for coffee and in Europe/Asia for fruit commodities to leverage regional specializations.
- **Long-term Planning:** Utilize the identified growth trajectories in wheat and maize to forecast future storage and logistics requirements.