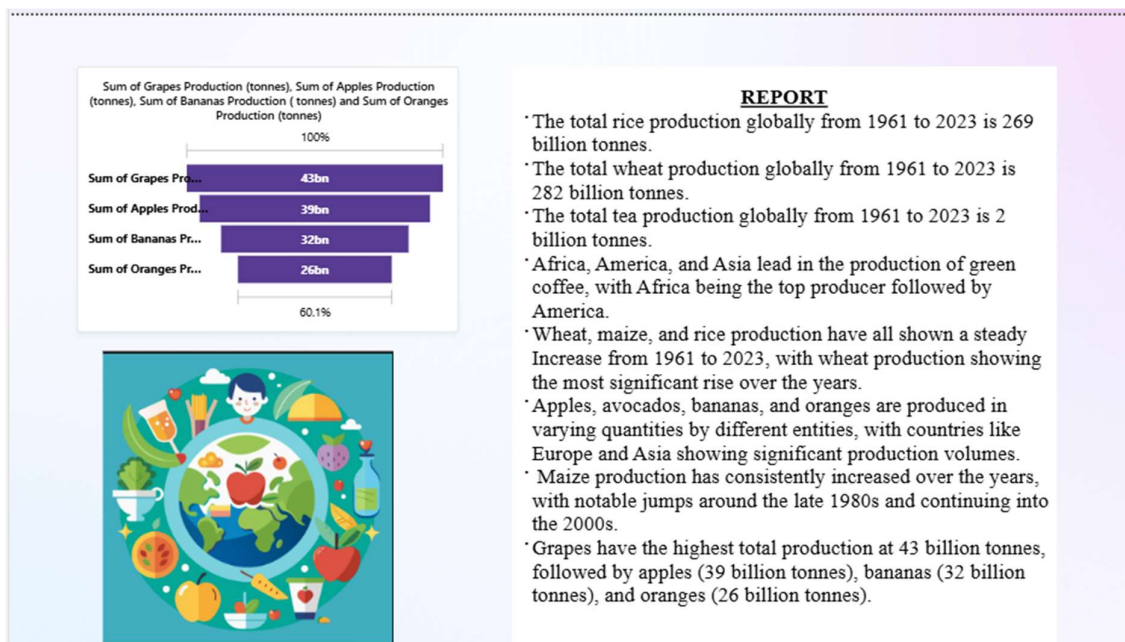


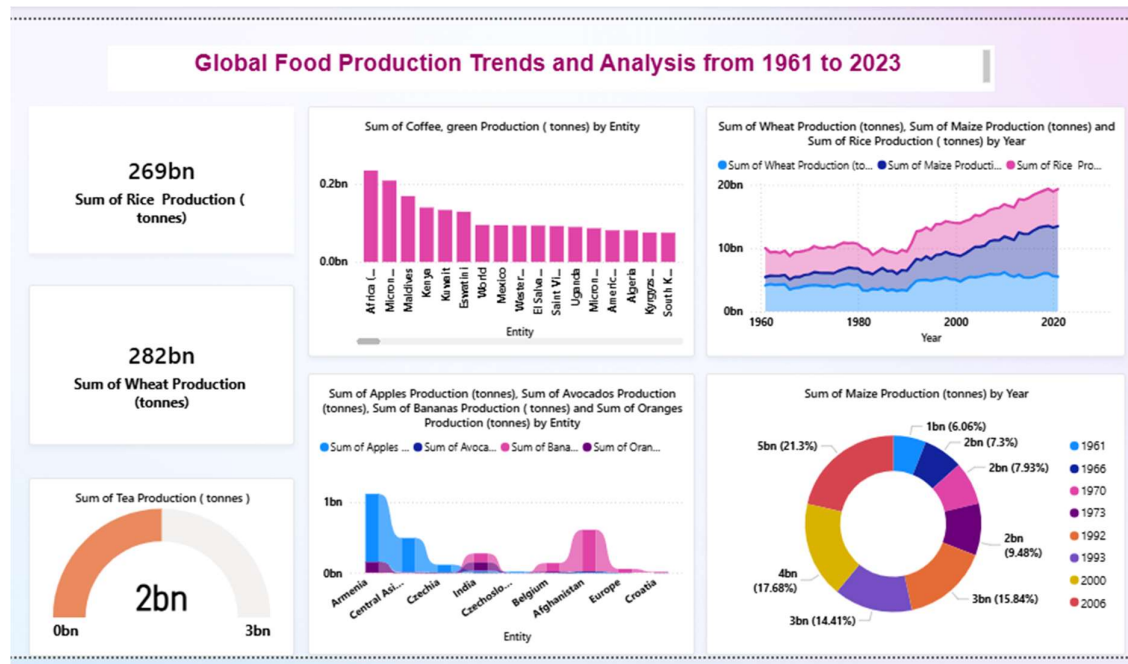
Report

Date	1 October 2025
Team ID	SWUID20250181744
Project Title	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. Dominance of Wheat and Rice:

Wheat production (282 billion tonnes) surpasses rice production (269 billion tonnes), making it the top-produced crop globally during 1961–2023.

2. Tea and Coffee Production Patterns:

Tea production reached **2 billion tonnes**, while **Africa leads in green coffee production**, followed by America and Asia—showing regional specialization in beverage crops.

3. Steady Growth in Staple Crops:

Wheat, maize, and rice production show a **consistent upward trend** over the decades, with the most notable acceleration in wheat output, driven by technological advances and improved farming methods.

4. Fruit Production Rankings:

Grapes have the highest total fruit production at **43 billion tonnes**, followed by **apples (39bn)**, **bananas (32bn)**, and **oranges (26bn)**—indicating their global agricultural importance.

5. Regional and Temporal Insights:

Maize production has seen major growth since the late 1980s, and **countries in Europe and Asia** show strong performance in fruit cultivation, highlighting diverse agricultural strengths worldwide.