

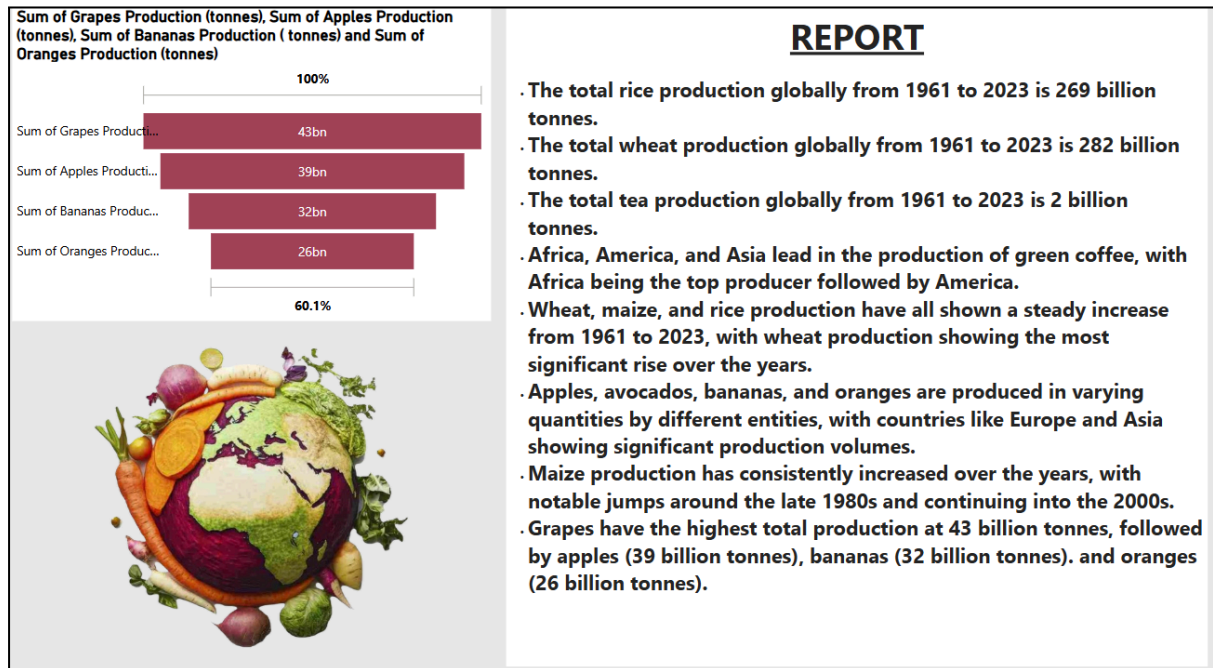
Report

Date	4 July 2025
SkillWallet ID	SWUID20250170810
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	5 Marks

Overview:

This Power BI report offers an in-depth analytical view of global food production trends from 1961 to 2023. It aggregates data from the Kaggle World Food Production Dataset, presenting key insights into crop and fruit production across continents and countries.

The report is designed to cater to policymakers, agribusiness leaders, researchers, and global food strategists by combining intuitive visualizations with meaningful metrics.



Observations & Insights Drawn from the Power BI Report:

1. Trends Over Time

- Area Chart shows a consistent upward trend in the production of wheat, maize, and rice from 1961 to 2023.
- Wheat exhibited the steepest increase, signaling global prioritization for this staple crop.

2. Performance Comparisons Across Crops

- KPI Cards highlight:
 - Rice: 269 billion tonnes
 - Wheat: 282 billion tonnes
 - Tea: 2 billion tonnes
- Grapes lead fruit production with 43 billion tonnes, followed by apples (39bn), bananas (32bn), and oranges (26bn), shown using a 100% stacked bar chart.

3. Regional Production Analysis

- Green Coffee Production (Bar Chart):
- Africa dominates, followed by America and Asia.
- Fruit Production by Entity (Ribbon Chart):
- Europe leads in apples and oranges.
- Asia plays a strong role in bananas and avocados.

4. Crop-Specific Insights

- Maize Production (Donut Chart):
- Significant growth seen in late 1980s and 2000s.
- Distribution over the decades is visualized by year slices.

5. High-Impact KPIs & Totals

- Total Crop Production (1961–2023):
- Wheat: 282bn tonnes
- Rice: 269bn tonnes
- Grapes (fruit leader): 43bn tonnes
- These values reflect strong global dependence on these crops for food security.

Key Highlights from the Report

- Wheat has shown the highest rise in production among cereals.
- Africa leads coffee production, with significant contributions from America and Asia.
- Maize production has risen steadily, especially post-1980.
- Fruits like grapes and apples dominate global production volumes.
- Tea remains a low-volume crop, comparatively at 2 billion tonnes.
- Europe and Asia are top contributors across multiple food categories.