**Report**

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| Date | 30 June 2025 |
| Team ID |  |
| Project Name | Global Food Production Trends and Analysis (1961–2023) |
| Maximum Marks | 5 Marks |

A report on *Global Food Production (1961–2023)* is a comprehensive document that presents structured analysis, findings, and insights on worldwide crop production, yields, and regional trends. It serves as a valuable resource for policymakers, researchers, and agribusiness stakeholders who require a clear understanding of historical patterns and current dynamics in food production.

Designing this report in Power BI involves connecting to the Kaggle World Food Production dataset, building visualizations such as trend lines, pie charts, treemaps, and KPIs, and arranging them logically to highlight commodities, regions, and growth patterns. Consistent formatting, interactivity, and user-friendly filters ensure clarity for diverse audiences. Finally, the report should be refined iteratively based on feedback to maximize its effectiveness in communicating global food production insights.

A graph of food production analysis

AI-generated content may be incorrect.

**Observations from Global Food Production Report in Power BI**

Insights drawn from the Power BI report provide a deeper understanding of global food production patterns and trends.

1. **Trends Over Time:**  
   • Food production has steadily increased from 1961 to 2023, with sugarcane, cereals, and fruits showing consistent upward trends. Seasonal variations are less visible at the global level, but decade-wise growth patterns highlight key shifts.
2. **Performance Comparisons:**  
   • Asia leads in total production, followed by the Americas, while smaller regions like Africa show emerging growth. Commodity-wise, cereals and root crops dominate compared to cash crops like coffee and cocoa.
3. **Commodity Segmentation:**  
   • Cereals (maize, rice, wheat) form the largest share of production, while oilseeds and fruits have shown strong growth in recent decades, reflecting changing consumption and trade patterns.
4. **Goal Achievement (Food Security):**  
   • Production per capita has risen globally, suggesting improvements in food availability, though regional disparities highlight the need for targeted policies in underperforming regions.