

# Dashboard Design

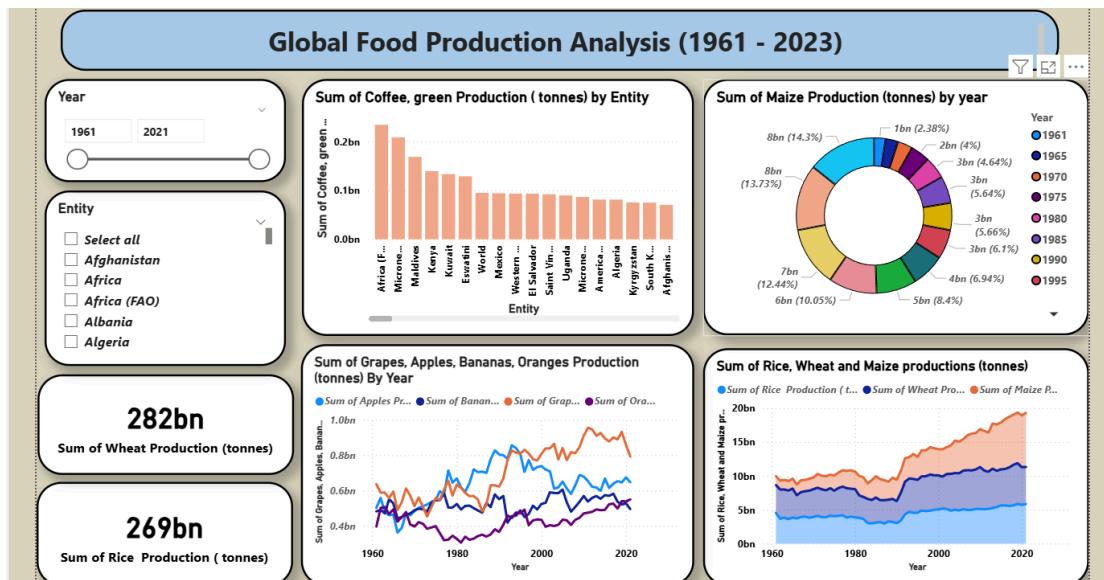
Date	22 December 2025
Team ID	PNT2022TMIDxxxxxx
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	5 Marks

Creating an effective dashboard involves thoughtful design to ensure that the presented information is clear, relevant, and easily understandable for the intended audience. Here are some key principles and best practices for dashboard design

## Activity 1: Interactive and visually appealing dashboards

Creating interactive and visually appealing dashboards involves a combination of thoughtful design, effective use of visual elements, and the incorporation of interactive features. Here are some tips to help you design dashboards that are both visually appealing and engaging for users so take care of below points

- Clear and Intuitive Layout
- Use Appropriate Visualizations
- Colour and Theming
- Interactive Filters and Slicers
- Drill-Down Capabilities
- Responsive Design
- Custom Visuals and Icons
- Use of Infographics



Here are Eight potential outcomes from the dashboard image provided:

1. **Overall Global Food Production Trend:** The dashboard shows a clear and steady increase in global food production from **1961 to 2023**, indicating **long-term growth** in agricultural output worldwide.
2. **Top Food Commodities by Production:** Rice (**269 billion tonnes**) and wheat (**282 billion tonnes**) are the highest produced food commodities globally, highlighting their importance as staple crops.
3. **Cereal Production Growth Over Time:** Rice, wheat, and maize production have all shown **consistent growth over the years**, with noticeable acceleration after the 1980s, reflecting advancements in agriculture and technology.
4. **Tea Production Trend:** Global tea production has **increased steadily** from 1961 to 2023, showing stable demand and continuous growth despite being lower than cereal crops.
5. **Fruit Production Comparison:** Among fruits, grapes have the **highest total production (43 billion tonnes)**, followed by apples, bananas, and oranges, indicating strong global demand for fruit crops.
6. **Regional Leadership in Coffee Production:** Africa, America, and Asia lead in **green coffee production**, with Africa emerging as one of the top producers globally.
7. **Meat (Chicken) Production by Region:** Meat (chicken) production has **increased significantly** across regions, with Asia and America showing the highest production levels over the years.
8. **Year-wise Contribution Analysis:** The donut and area charts highlight how different years contribute to total production, showing **increased output** in recent decades compared to earlier years.