

Dashboard Design

Date	23 June 2025
Team ID	NA
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.

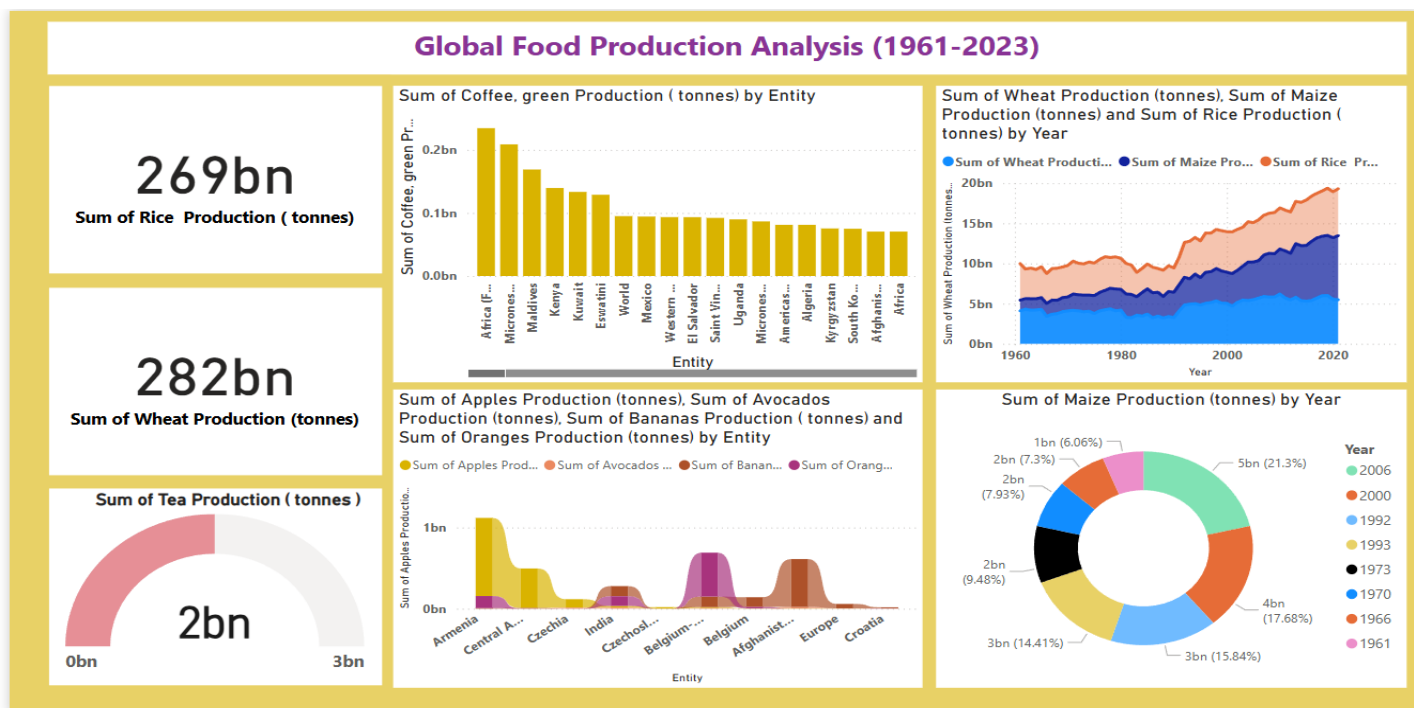
Here are some key principles and best practices for dashboard design

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

See page 2



Here are five potential outcomes from the dashboard image provided:

1. Wheat Production Leads Globally

Wheat has the highest cumulative production from 1961 to 2023, totaling **282 billion tonnes**, surpassing both rice (269bn) and tea (2bn). This indicates wheat's dominant role in global food supply and consumption patterns.

2. Steady Growth in Staple Crop Production

The **line area chart** shows a **consistent upward trend** in the production of wheat, maize, and rice. Wheat production, in particular, shows significant acceleration post-1990, suggesting increasing global demand and advances in agricultural practices.

3. Africa is the Leading Producer of Green Coffee

The **bar chart on coffee production** indicates that **Africa (F.A.O.)** holds the top spot for green coffee production, followed by countries like **Micronesia, Maldives, and Kenya**. This highlights Africa's critical role in the global coffee supply chain.

4. Maize Production Peaks in 2006

From the **donut chart**, maize production hit its highest point in **2006**, accounting for **21.3%** of total maize production analyzed. This suggests a peak due to favorable conditions, policy shifts, or increased biofuel-related demand.

5. Fruits Like Grapes and Apples Dominate Production

In fruit production, **grapes (43bn tonnes)** and **apples (39bn tonnes)** are the top contributors, as shown in the horizontal bar chart. This implies their global popularity, extensive cultivation, and possibly better shelf life or processing utility.