

Dashboard Design

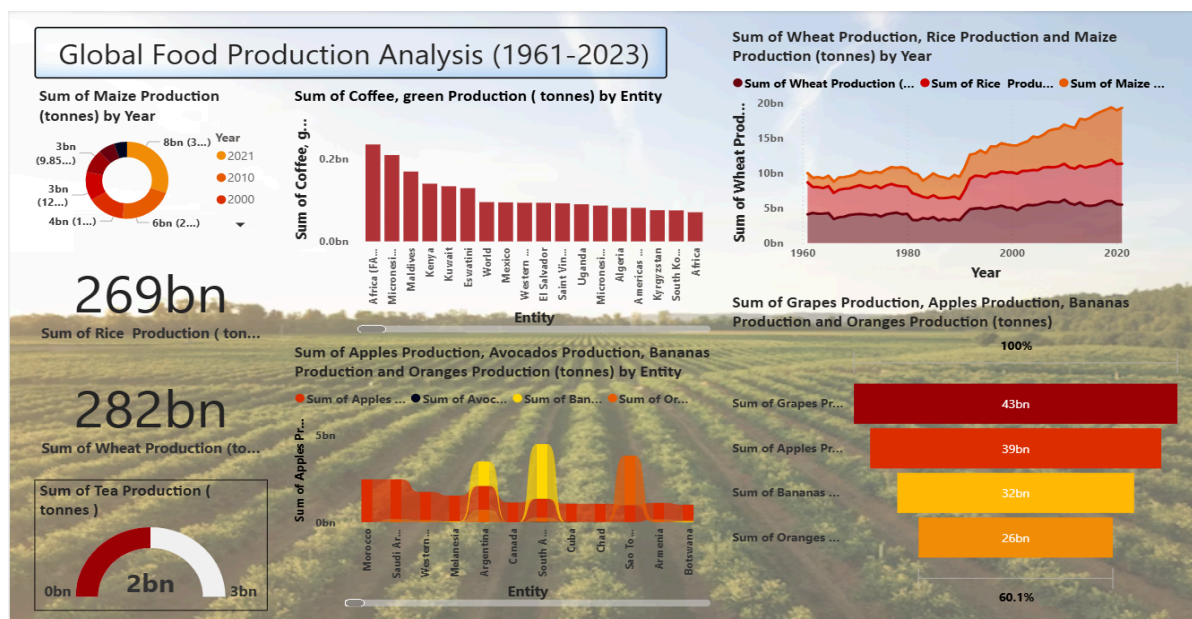
Date	30 July 2025
Team ID	XXXXXX
Project Name	Global Food Production Trends and Analysis using Power BI
Maximum Marks	5 Marks

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



Key Highlights from the Dashboard

- **Total Wheat Production** is the highest among all crops, totaling **282 billion tonnes**, followed by **Rice** at **269 billion tonnes**.
- **Maize Production** has shown a **steady upward trend** over the years, with a significant share coming from **2021**, as visualized in the donut chart.
- **Coffee (green) Production** is dominated by a few countries like **Africa (FAO region)**, **Micronesia**, and **Maldives**, with a noticeable drop-off after the top few producers.
- The **stacked area chart** shows that:
 - **Wheat and Maize production have seen continuous growth** since the 1990s.
 - **Rice production** remained relatively stable with mild growth.
- **Tea Production** totals approximately **2 billion tonnes**, visualized through a semi-circular gauge chart.
- **Grapes are the highest produced fruit**, totaling **43 billion tonnes**, followed by:
 - **Apples – 39bn**
 - **Bananas – 32bn**
 - **Oranges – 26bn**
- **Fruit production trends** (Apples, Bananas, Avocados, Oranges) vary significantly by entity, with spikes for countries like **Argentina**, **China**, and **São Tomé**.
- The use of **diverse visualizations** (donut, bar, area, ribbon, KPI cards) enhances interpretability and insight delivery effectively across multiple food categories.