Dashboard Design

Date	27 July 2025
Team ID	
Project Name	Power BI inflation analysis: journeying through global economic
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 thoughtful design, effective use of visual elements, and incorporating interactive features. The dashboard built for **Global Inflation Analysis** follows these key principles:

- 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

- **Clear and Intuitive Layout:** The dashboard uses card KPIs on top, with charts and maps logically arranged by purpose — global view, regional trends, country specifics, and time series.

- **Use Appropriate Visualizations:**
  Card KPIs: Show headline stats like Average Inflation, Max/Min, and Total Countries.
  Map: Represents country-level inflation spatially.
  Bar/Column Charts: For regional and country comparisons.
  Line Chart/ Slicer: To capture inflation rate trends over time.

- **Colour and Theming:** A dark background with vibrant accent colours improves focus and readability. Each region and metric are color-coded for clarity.

- **Interactive Filters and Slicers:** Drop-down filters allow selection by country, year, and region, enabling customized exploration.

- **Drill-Down Capabilities:** Users can drill into charts like inflation by region to explore deeper insights per country.

- **Responsive Design:** Layout adapts to user selections, making exploration dynamic and flexible.

- **Custom Visuals and Icons:** Icons and stylized visuals (like maps and lines) make the interface visually rich.

- **Use of Infographics:** The map and coloured bar charts serve as infographic-style visuals for clear storytelling.

Note: Major Outcomes from the Dashboard

Here are 7 potential outcomes from the dashboard image provided:

1. **Average Global Inflation:**
   The average global inflation rate is 42.07, reflecting data across 196 countries.
2. **Country with Highest Inflation:**
   The max inflation value observed is 65.37K, indicating hyperinflation in some economies.
3. **Inflation by Region:**
   South America shows the highest cumulative inflation, followed by Asia and Africa, suggesting regional inflation challenges.
4. **Trends Over Time:**
   A sharp spike in inflation is seen around 2020–2022, likely linked to global events like the pandemic and war-driven economic instability.
5. **Geographical Distribution:**
   The world map highlights inflation distribution, showing high rates in parts of Africa, South America, and Asia, with relatively lower inflation in Europe and North America.
6. **Regional Representation:**
   Majority of the countries belong to Asia (60.7%) and South America (25.38%), indicating regional dominance in the dataset.
7. **Top Inflated Countries:**
   Countries like Venezuela, Sudan, and Zimbabwe show extreme inflation values, contributing heavily to global average skew.