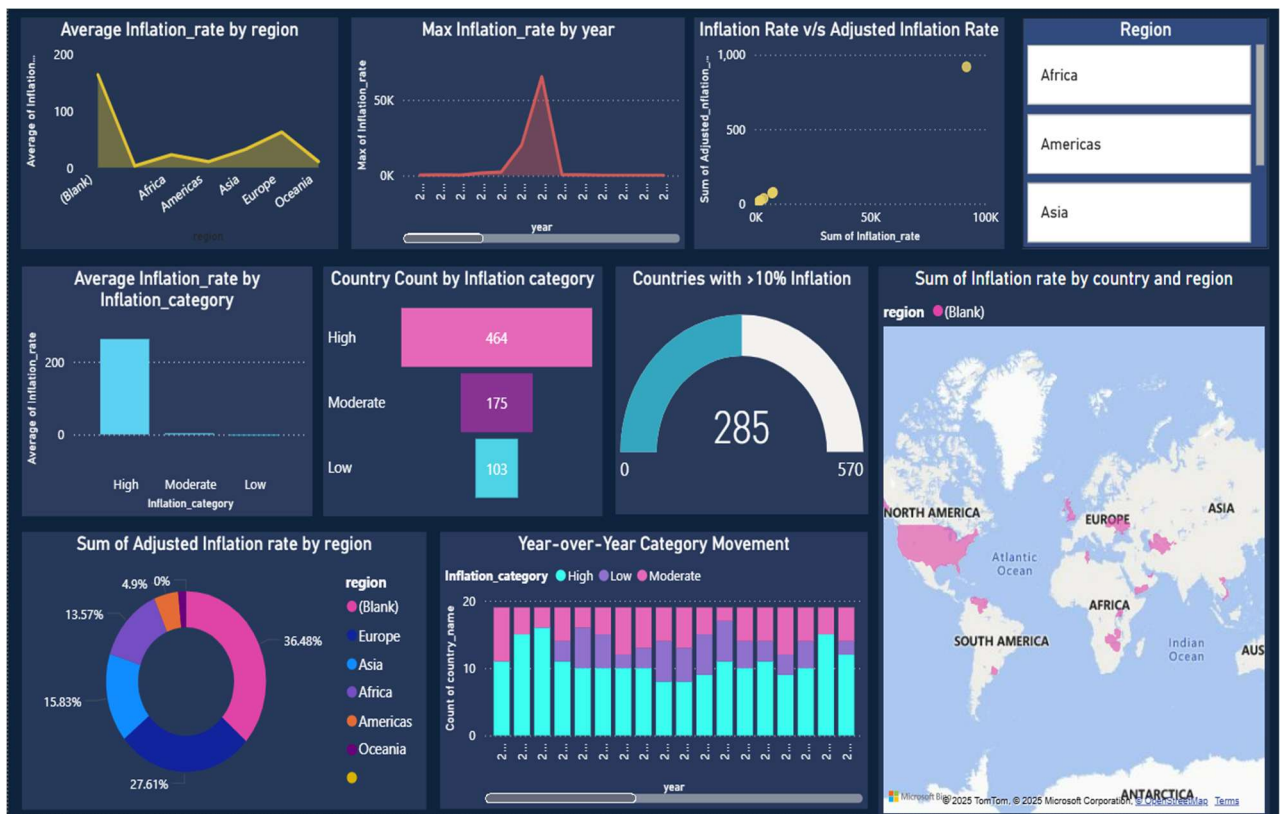


Dashboard Design

Date	29 July 2025
Project Name	Global Inflation Analysis
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 : Interactive and visually appealing dashboards



1. Clean and Dark-Themed Layout

The dashboard uses a visually appealing dark theme, which enhances readability and contrast for charts, making data stand out clearly.

2. Multiple Visualization Types

The dashboard includes a variety of visuals like bar charts, donut charts, maps, line graphs, and scatter plots to represent data from different perspectives.

Some potential outcomes from the dashboard are :

1. Interactive Slicers for Region

- Users can filter the entire dashboard based on selected regions like Africa, Asia, or Europe.
- This helps in performing **region-specific inflation analysis** across all visualizations.

2. Inflation Categorization

- The dataset is classified into **Low, Moderate, and High** inflation categories.
- Multiple visuals reflect this breakdown (bar charts, donut charts, etc.) for easier segmentation.

3. Comparative Analysis Between Raw and Adjusted Inflation

- A **scatter plot** helps users compare actual vs adjusted inflation values.
- This enables better insight into how data correction affects inflation interpretation.

4. Gauge for High Inflation Cases

- The dashboard includes a **gauge chart** that highlights how many country-year combinations exceed 10% inflation.
- A useful **threshold tracker** to monitor inflation pressure globally.

5. Geo-Spatial Visualization

- A **filled map** displays inflation intensity by country and region.
- Makes it easy to spot **regional inflation hotspots** visually.

6. Yearly Category Movement Tracker

- A **stacked column chart** shows how many countries fall into each inflation category over time.
- Reveals **trend shifts and economic cycles** year by year.

7. Aggregated KPIs and Summary Metrics

- Cards and charts highlight key metrics like **average inflation, max inflation by year, and adjusted inflation by region**.
- These give users **at-a-glance insights** into performance and risk levels.