

## Dashboard Design

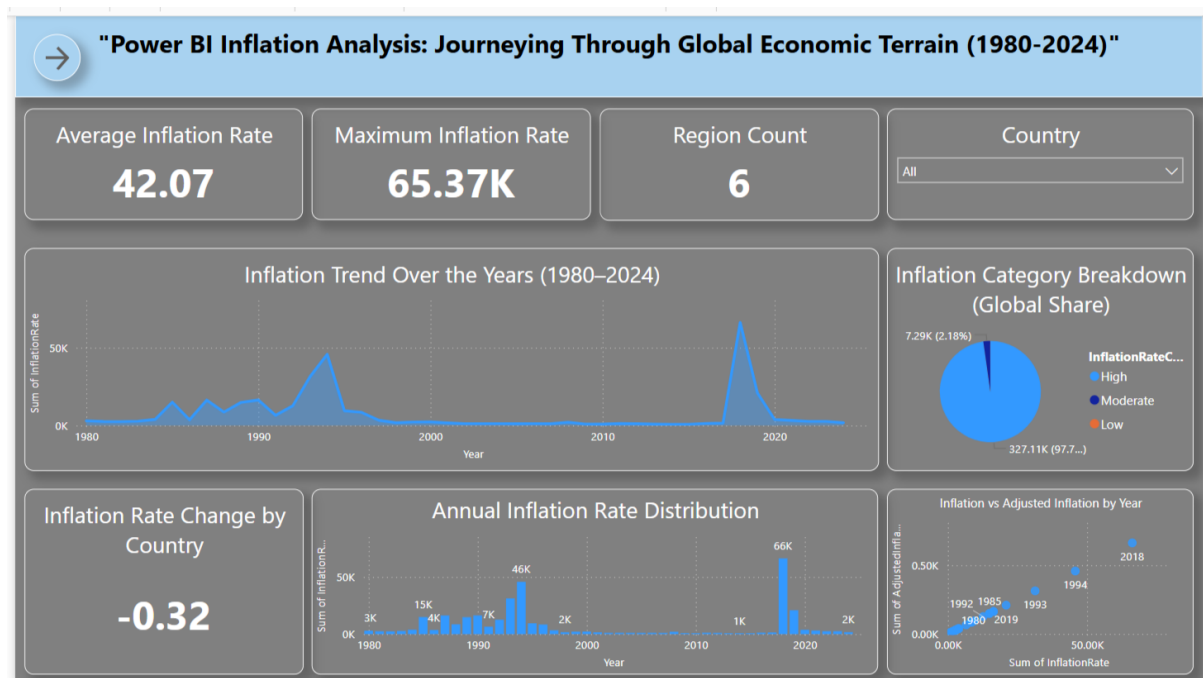
Date	21 June 2025
Skillwallet ID	SWUID20250170824
Project Name	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	5 Marks

### Activity 1: Interactive and Visually Appealing Dashboards

This project applies professional dashboard design principles to ensure clarity, engagement, and usability for end-users — whether they are students, analysts, or executives.

Key design choices include:

- **Clear and Intuitive Layout:** Two cleanly structured pages with consistent grid layout, readable fonts, and minimal distractions.
- **Appropriate Visualizations:** Line charts, donut charts, pie charts, KPIs, maps, and scatter plots selected based on data patterns.
- **Color and Theming:** Dual-tone color schemes (cool blue + gray) for contrast, readability, and visual appeal.
- **Interactive Filters and Slicers:** Country slicers and cross-filtering ensure user-driven exploration.
- **Drill-Down Ready Design:** Visuals are positioned for future drill-down or tooltip integration.
- **Responsive and Balanced:** Uniform card sizes, chart spacing, and padding deliver responsive balance.
- **Smart Narratives:** Dynamic insight text powered by DAX to highlight summary findings.
- **Icons and Infographics:** Custom back button, page headers, and chart annotations for enriched user experience.



## Major Dashboard Outcomes

- Global Average Inflation:** The dashboard displays an average inflation rate of **42.07** across 40+ years and 150+ countries.
- Yearly Trends Identified:** Inflation spikes are clearly visible around **1990** and **2018**, helping flag potential economic shifts.
- Category Breakdown (High/Moderate/Low):** Pie chart and bar charts show **High** inflation dominates at over **97%** globally.
- Top Contributing Countries:** Donut chart ranks **Zimbabwe, Venezuela, and Sudan** as the top inflation contributors in 2024.
- Smart Summary Narrative:** Automatically generated narrative highlights key facts, including the **5436.29% gap** between high and low categories.
- Region Mapping:** Countries are color-coded by continent using Power BI's **filled map** visual.
- Adjusted vs Raw Inflation:** Scatter plot compares **raw vs adjusted rates**, offering cross-perspective interpretation.
- Polished UI:** Shadowed card KPIs, font hierarchy, icon buttons, and consistent section spacing make it **executive-presentation ready**.