

# Business Question and Visualization Report

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

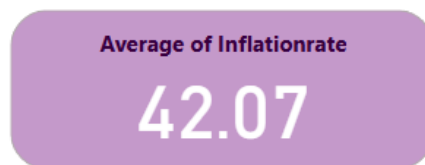
Visualization development refers to the process of creating graphical representations of data to facilitate understanding, analysis, and decision-making. The goal is to transform complex datasets into visual formats that are easy to interpret, enabling users to gain insights and make informed decisions. Visualization development involves selecting appropriate visual elements, designing layouts, and using interactive features to enhance the user experience. This process is commonly associated with data visualization tools and platforms, and it plays a crucial role in business intelligence, analytics, and reporting

## Business Questions and Visualisation

The process involves defining specific business questions to guide the creation of meaningful and actionable visualizations in Power BI. Well-framed questions help in identifying key metrics, selecting relevant data, and building visualisation that provide insights.

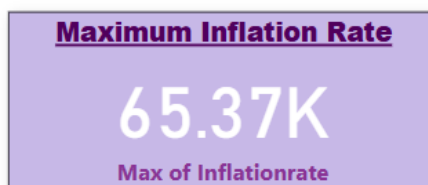
### 1. What is the average inflation rate across all countries?

- o *Visualization:* Card showing average inflation rate.



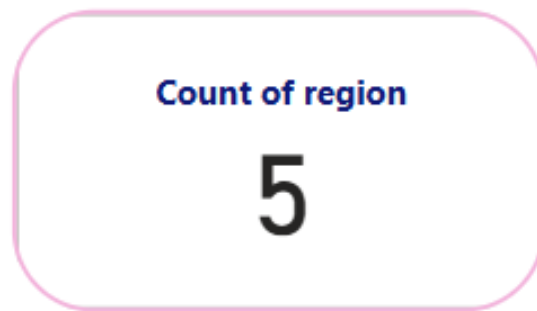
### 2. What is the maximum inflation rate recorded in the dataset?

- o *Visualization:* Card Chart indicating the Maximum Inflation Rate



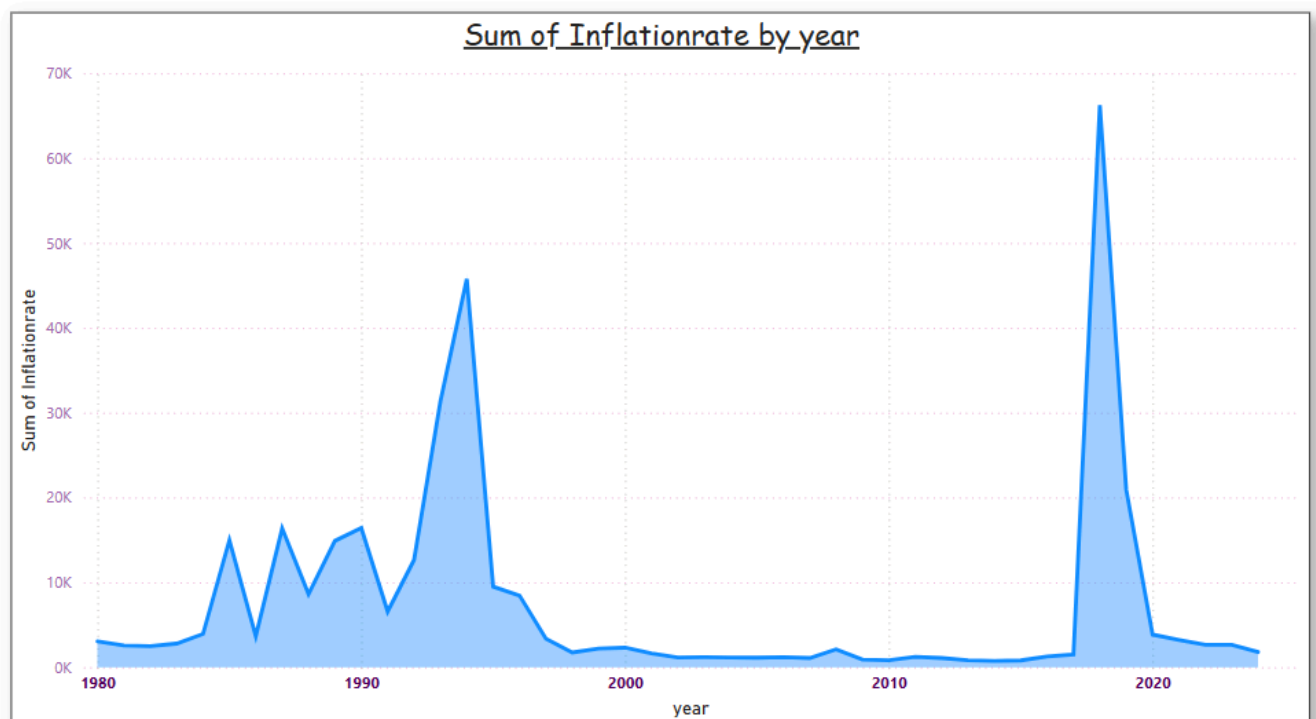
3. **How many distinct regions are represented in the data?**

- o *Visualization:* Card Chart showing Number of Regions



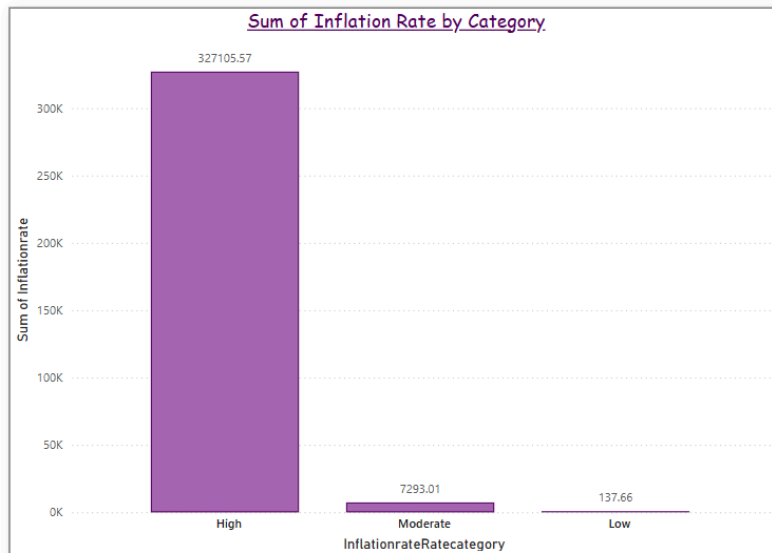
4. **How has the total inflation rate evolved over time globally?**

- o *Visualization:* Area chart showing Sum of Inflation Rate by Year



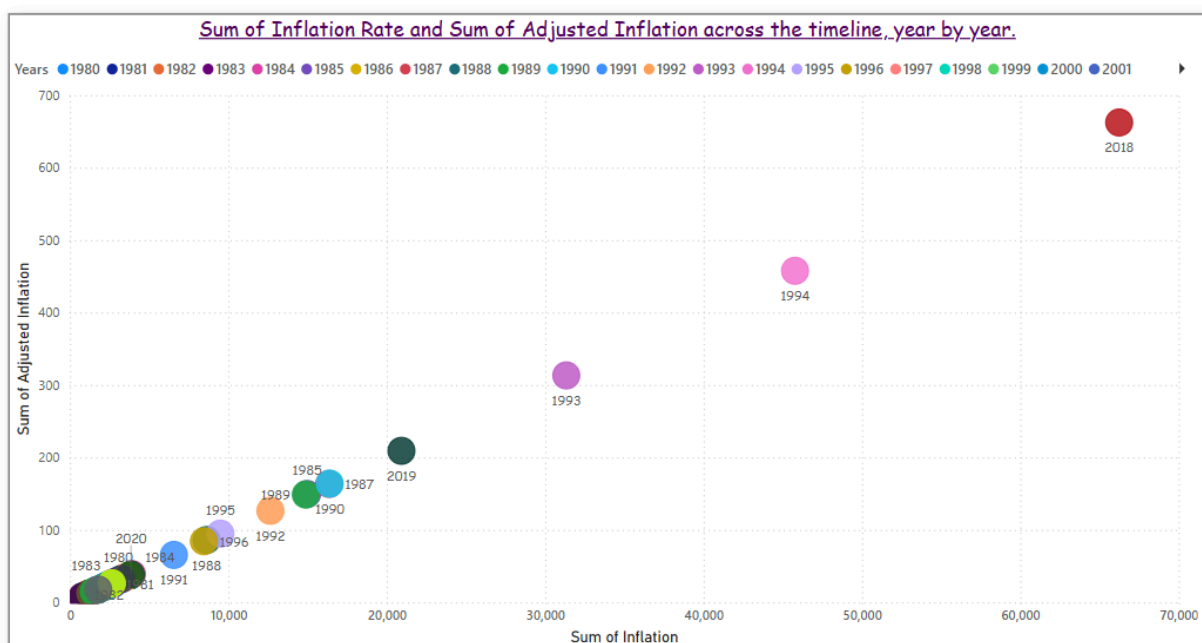
5. How are inflation rates distributed across defined categories (High, Moderate, Low)?

- Visualization: Clustered Column Chart illustrating the Sum of Inflation Rate by Category.



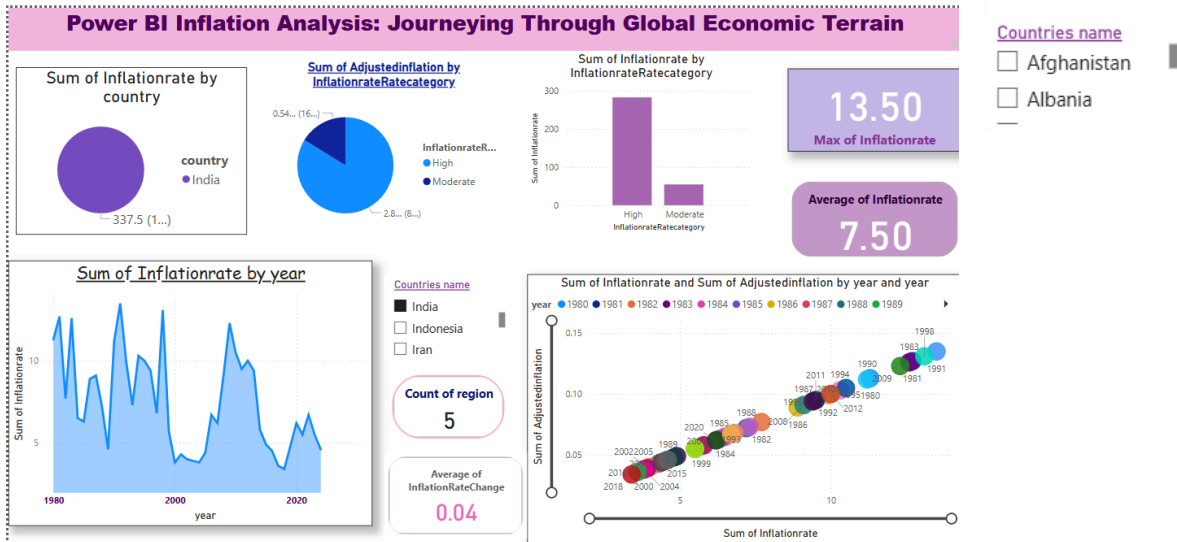
6. How do Inflation and Adjusted Inflation values compare over the years?

- Visualization: Scatter chart comparing Sum of Inflation Rate and Sum of Adjusted Inflation across the timeline, year by year.



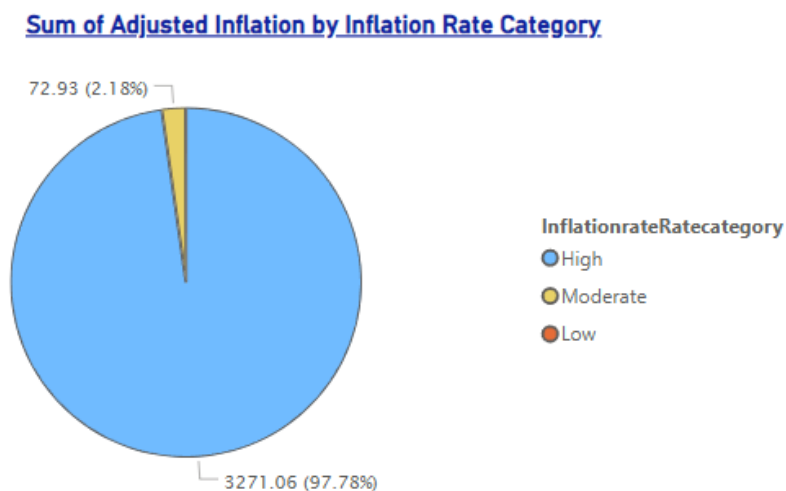
## 7. What insights can be derived by filtering the dashboard by country?

- o *Visualization:* Slicer applied on the Country Name column — for example, filtering on "India" displays country-specific inflation trends and metrics across the dashboard.



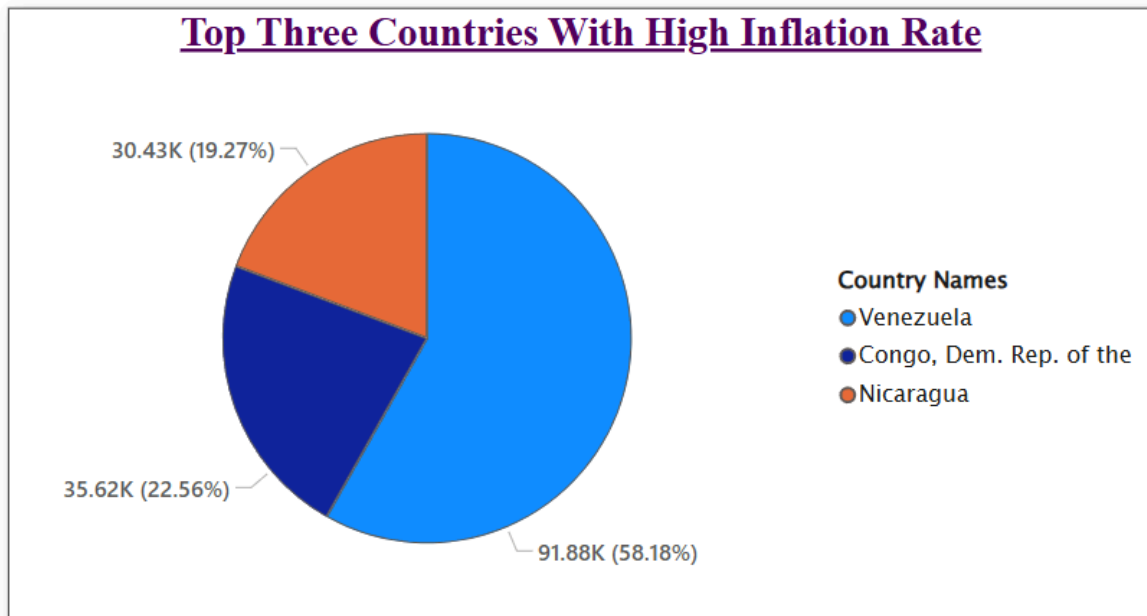
## 8. How is Adjusted Inflation distributed across inflation categories?

- o *Visualization:* Pie chart showing the proportion of Adjusted Inflation grouped by the categories High, Moderate, and Low.



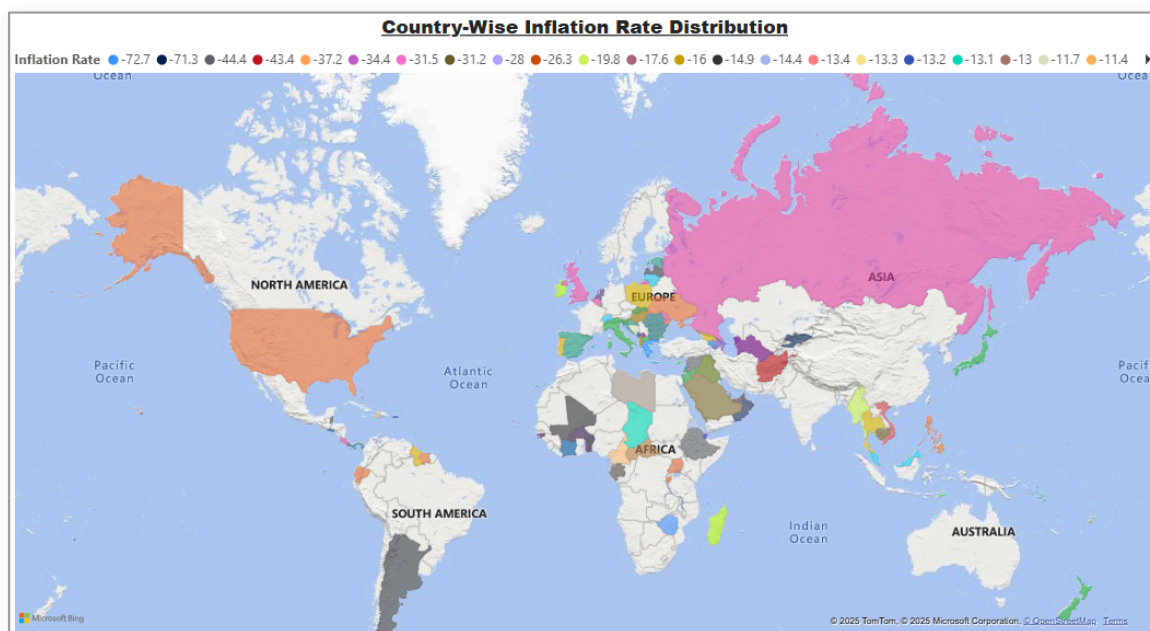
9. Which are the top 3 countries with the highest inflation rates?

- o *Visualization:* Pie chart highlighting the top three countries with the greatest inflation rate totals.



10. How are inflation rates distributed across countries worldwide?

- o *Visualization:* Filled Map showing countries shaded based on their individual inflation rates, using gradient intensity to indicate higher or lower inflation values.



11. **How is inflation rate distributed across global regions visually?**

- o *Visualization:* Filled Map showing regions shaded based on their aggregated inflation rate values.

