Business Question and Visualization Report

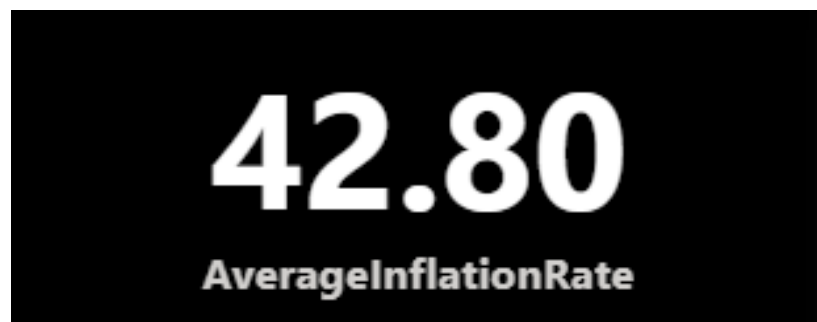| Date	05 Oct 2025
Team ID	
Project Name	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	5 Marks

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 Visualization

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 visualization that provide insights.

Here is a list of business questions and corresponding visualizations based on the visualizations you have already done for your inflation dashboard project:

1. What is the average inflation rate globally?

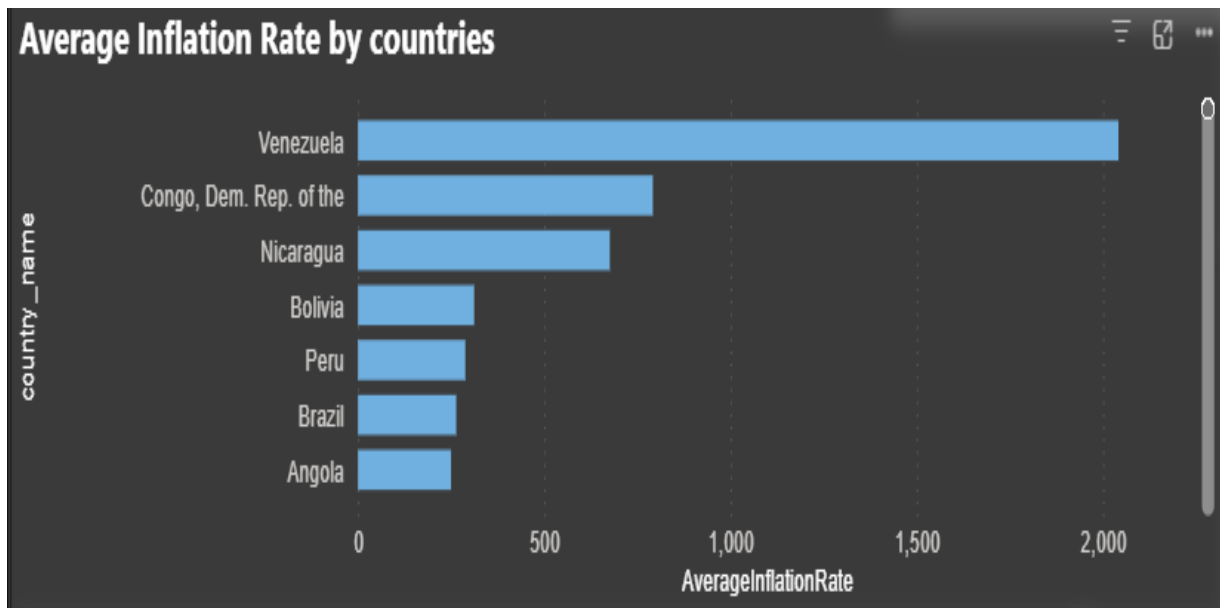   o Visualization: Card or KPI visual showing average inflation rate.

2. Which country has the maximum inflation rate?

   o   Visualization: Card or KPI visual showing Maximum inflation rate

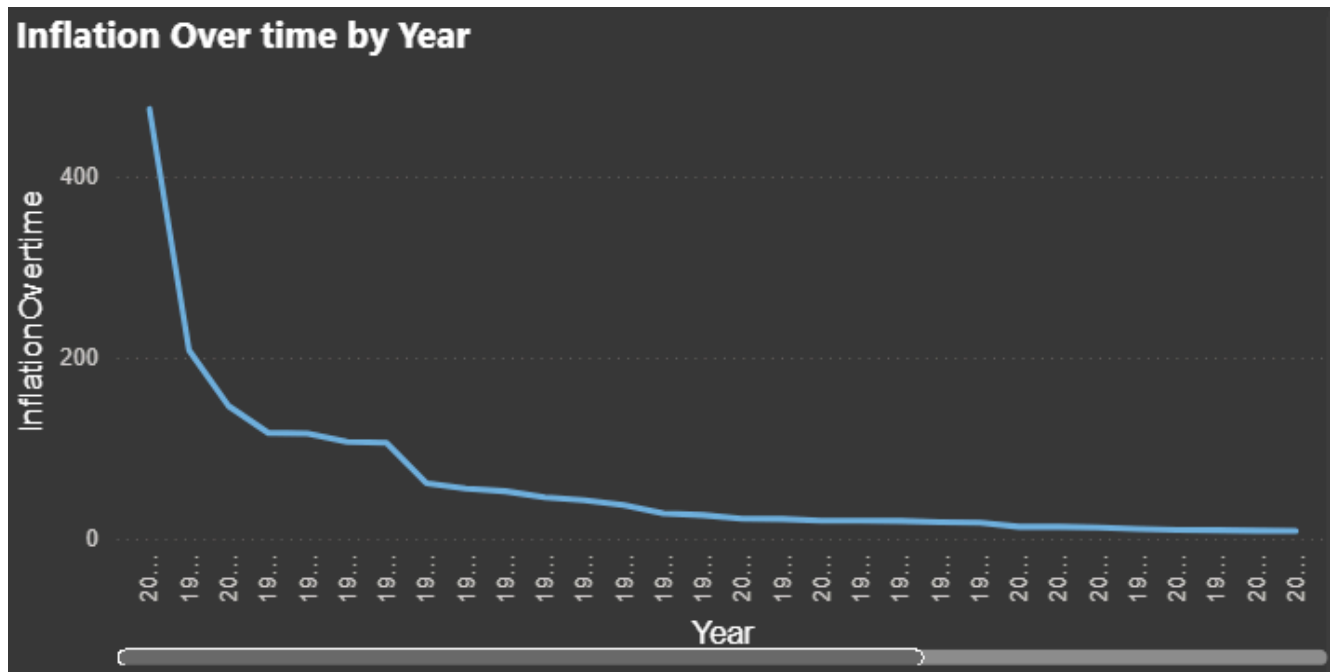3. How does the average inflation rate vary by country?

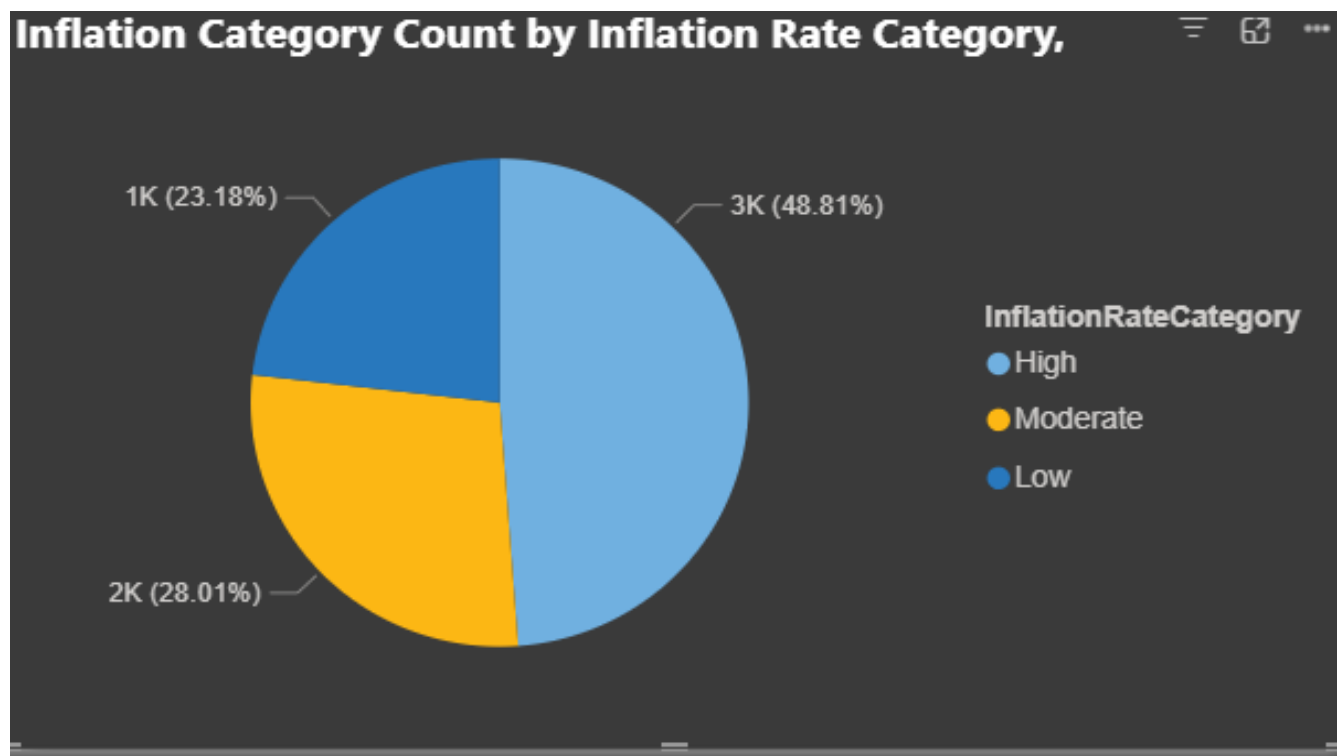   o   Visualization: Clusterd bar chart comparing average inflation rates by country.

   o

4. What are the inflation trends over time (year-wise)?

   o   Visualization: Line chart showing inflation over the years.
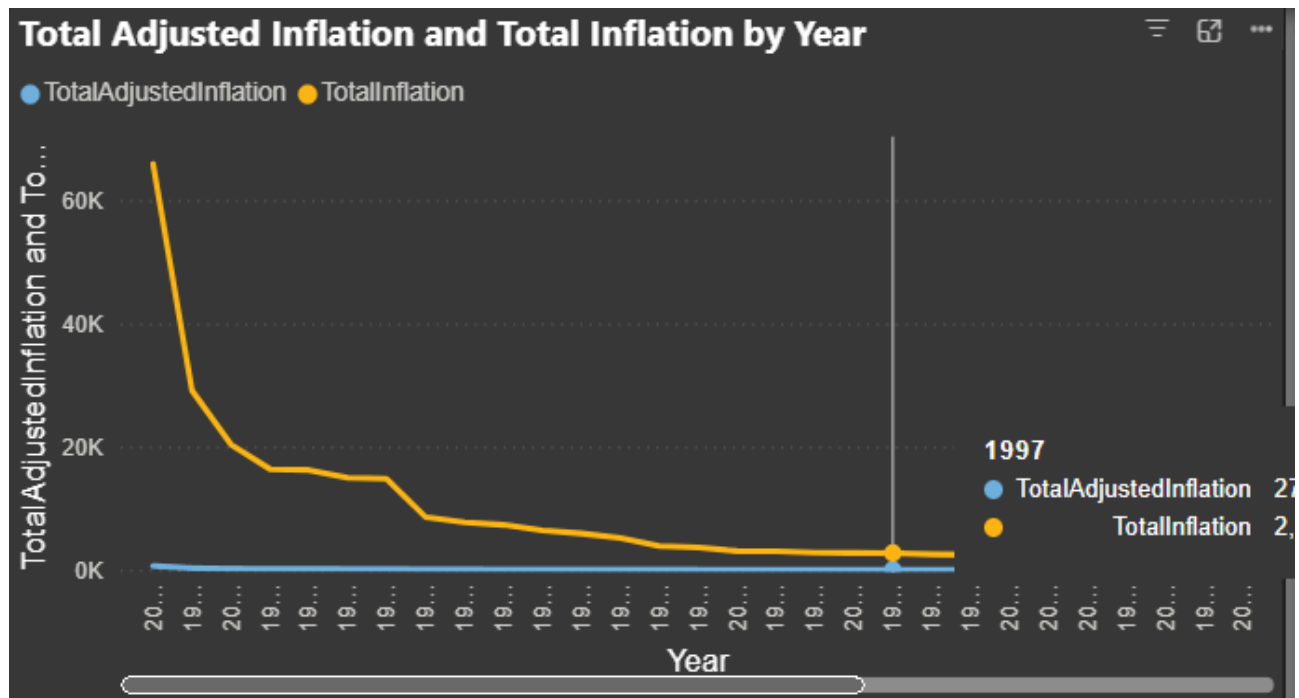
Inflation Over time by Year

5. How many countries fall into each inflation category?

   o Visualization: pie chart depicting count of countries by inflation category.

Inflation Category Count by Inflation Rate Category,

- 1K (23.18%)
- 3K (48.81%)
- 2K (28.01%)

InflationRateCategory
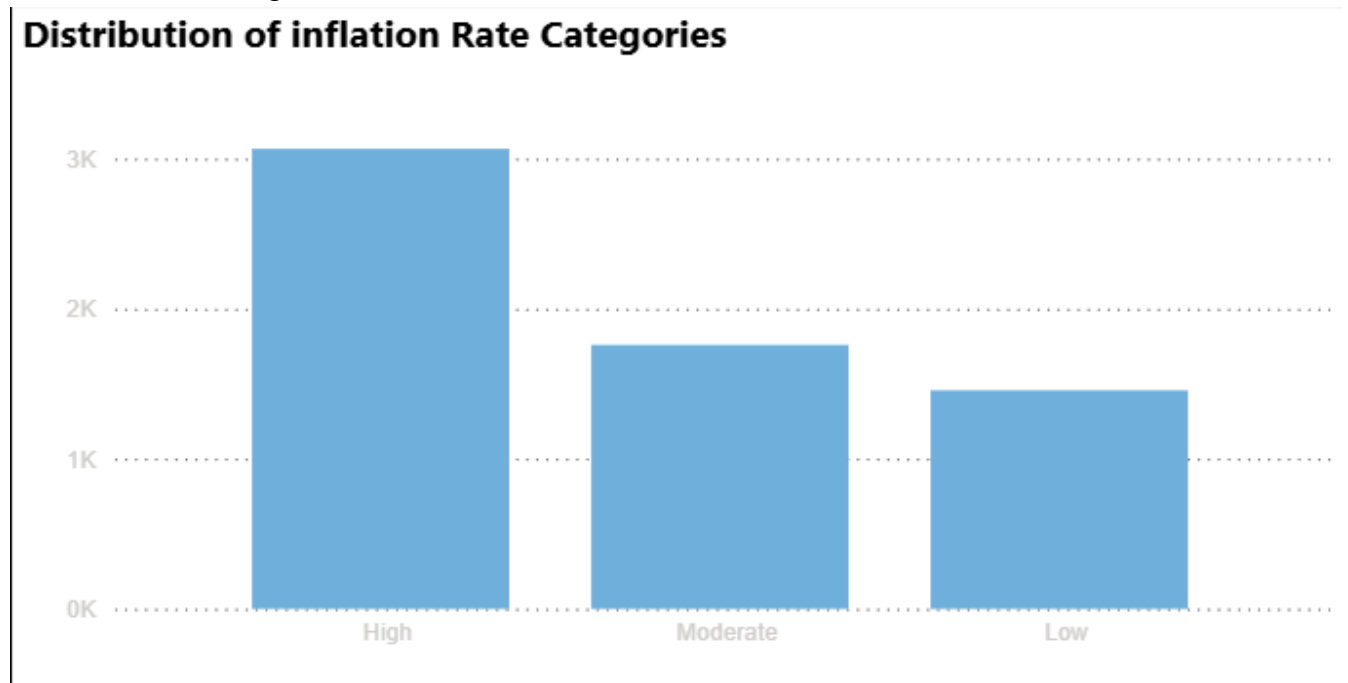- High
- Moderate
- Low

6. What is the total adjusted inflation vs total inflation by year?

o   Visualization: Line Chart showing total adjusted and actual inflation per year.

Total Adjusted Inflation and Total Inflation by Year

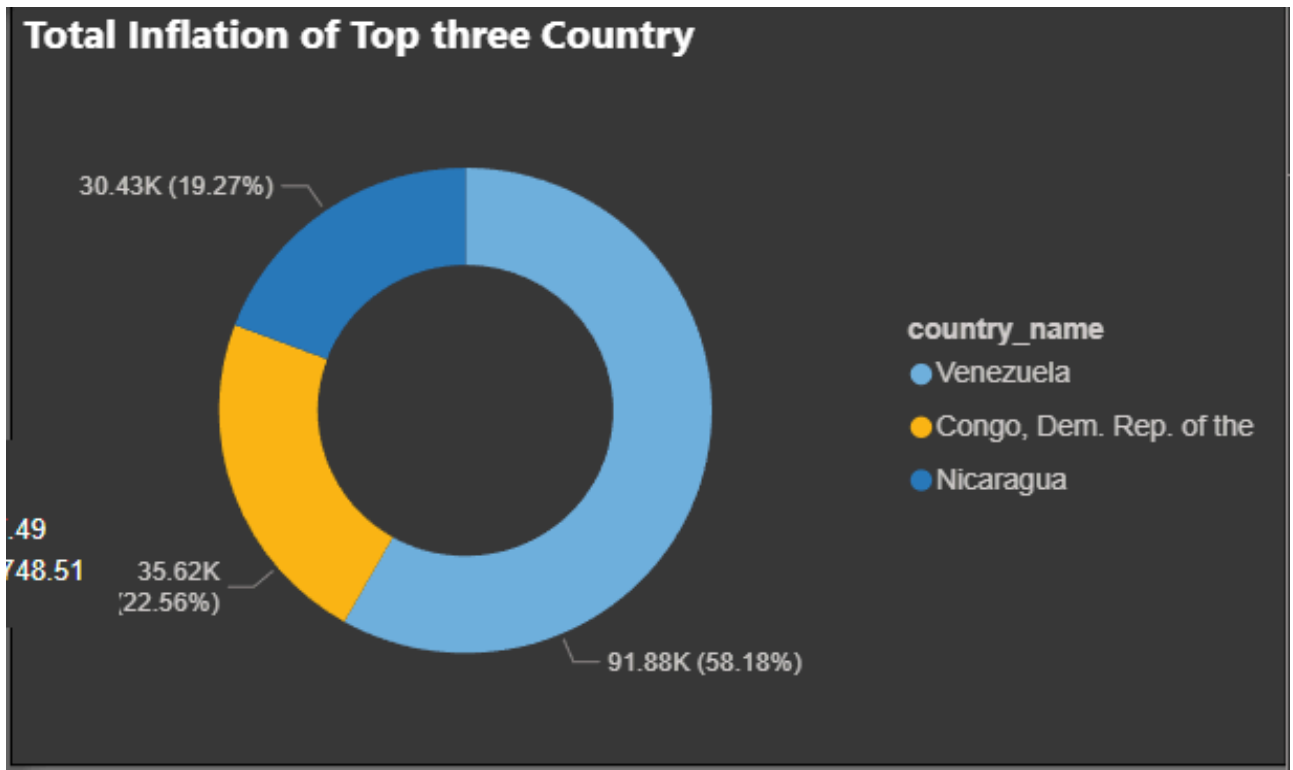● TotalAdjustedInflation ● TotalInflation

7. What is the distribution of inflation rate categories across countries?

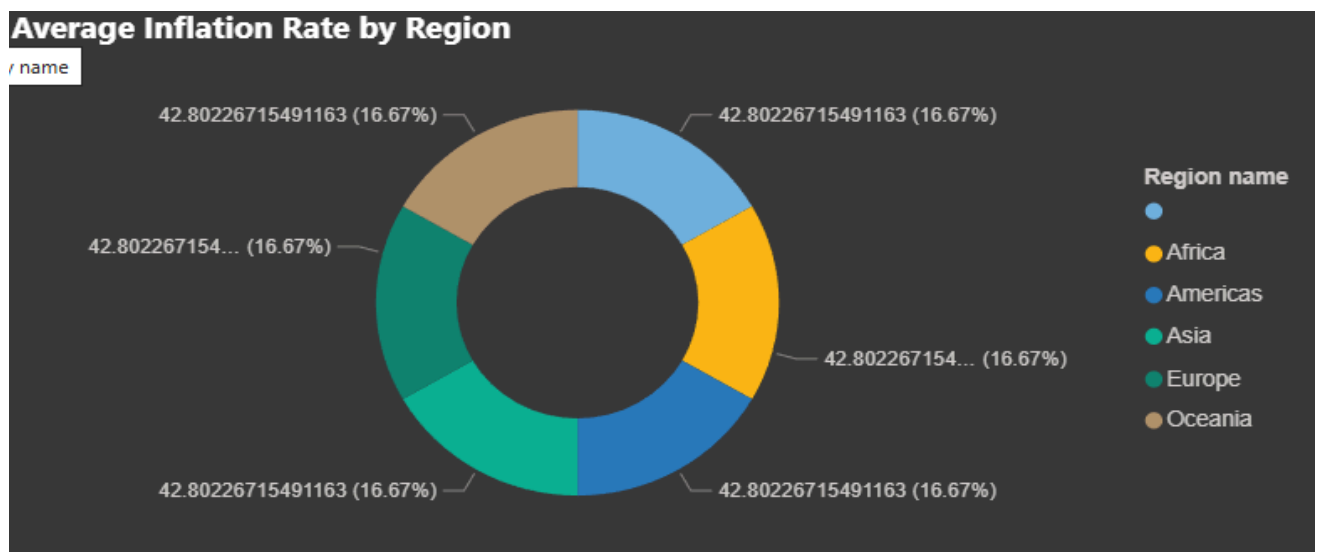o   Visualization: Line and Clustered Column Chart showing distribution of inflation categories.

Distribution of inflation Rate Categories

8. Which top three countries have the highest total inflation?

  o Visualization: Donut chart highlighting total inflation of top three countries.

Total Inflation of Top three Country

30.43K (19.27%)

country_name
● Venezuela
● Congo, Dem. Rep. of the
● Nicaragua

.49
748.51   35.62K
        (22.56%)

91.88K (58.18%)

9. How does average inflation rate vary by region?

  o Visualization: Donut chart comparing average inflation rate by region.

Average Inflation Rate by Region

name

42.80226715491163 (16.67%)   42.80226715491163 (16.67%)

Region name
●
● Africa
42.802267154... (16.67%)   ● Americas
                                   ● Asia
                    42.802267154... (16.67%)
                                   ● Europe
                                   ● Oceania

42.80226715491163 (16.67%)   42.80226715491163 (16.67%)

These visualizations answer key business questions and provide comprehensive insights into global inflation trends and distributions. Adding screenshots from your Power BI visuals would complete this documentation.