Business Question and Visualization Report

Date	10 December 2025
Team ID	SWUID20250189320
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
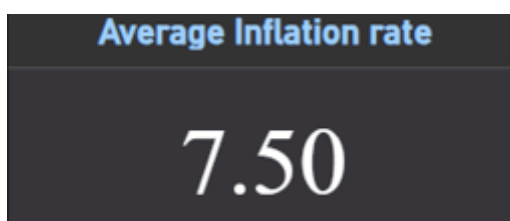
Business Questions and Visualisation

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.

Here is a list of business questions and corresponding visualizations based on the visualizations you have already done for your inflation dashboard project:
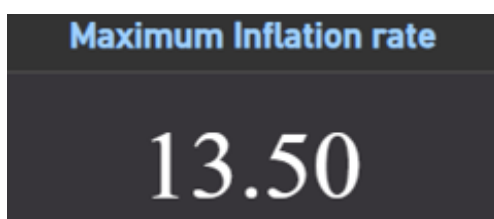
Q1: What is the average inflation rate for India during the analysis period?

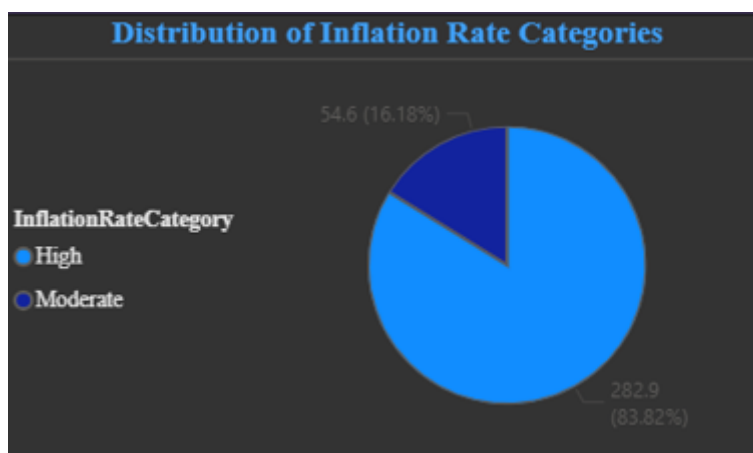The average inflation rate for India is 7.50, as displayed in the dashboard's KPI card.

Q2: What is the maximum inflation rate recorded for India, and in which year did it occur?

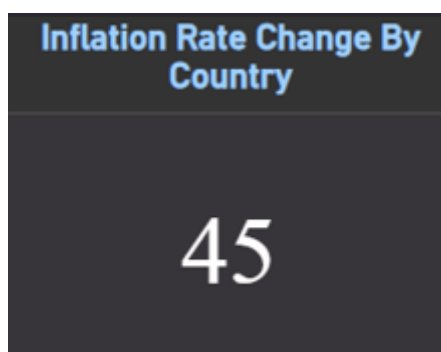The dashboard's KPI card shows India's maximum inflation rate as 13.50.

Q4: How often has India experienced high vs. moderate inflation categories over the years?

The pie chart shows that 16.18% of years fall into the high inflation category while 83.82% of years are categorized as moderate inflation.

Q5: What is the total number of years or periods during which significant changes (increases or decreases) occurred in India's inflation rate?

There are 45 instances of inflation rate changes across the years tracked for India, as indicated by the KPI card in your dashboard.
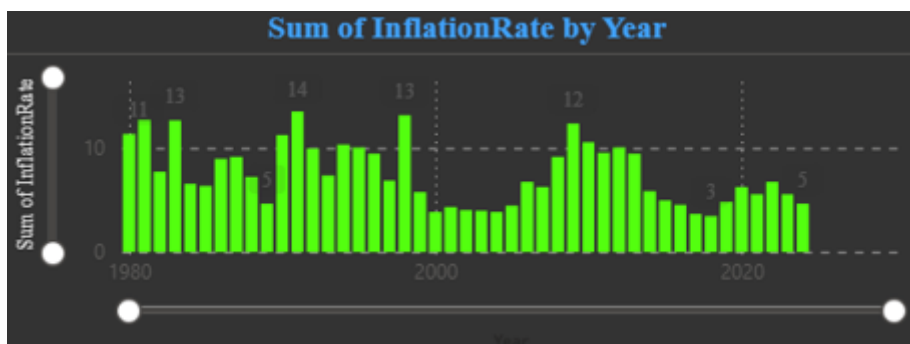

Q6: How does the sum of actual inflation rate compare with the sum of adjusted inflation rate for India across the years?

The scatter plot visualization shows that the sum of inflation rate and the sum of adjusted inflation rate for India are closely matched throughout all years analysed, indicating minimal discrepancies after adjustment.
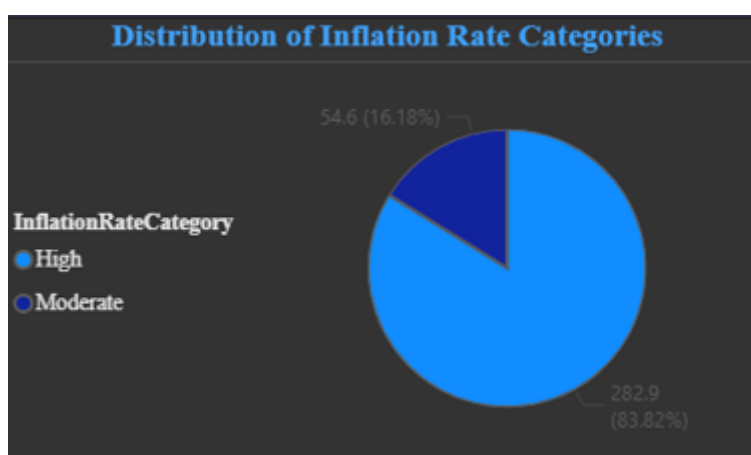
Q7: What is the historical distribution of inflation rates by year for India? Are there outlier years with exceptionally high or low rates?

The bar chart highlights several years with relatively high inflation rates exceeding 13, and others with lower values around 4, reflecting occasional outlier years in both directions.
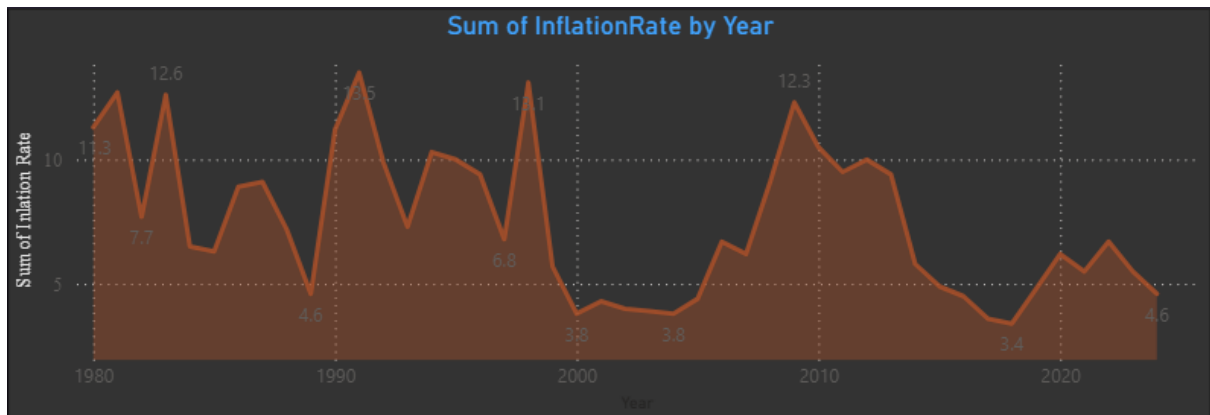

Q8: How do the proportions of high and moderate inflation years compare within India's economic context?

The moderate inflation years clearly predominate, with 282.9 years marked as moderate versus 54.6 as high, reinforcing the trend toward economic stability in most periods.

Q9: What insights can be drawn from the line chart showing the sum of Inflation Rate by year for India?

The line chart visualizes year-by-year changes in India's inflation rate, highlighting both peaks and troughs throughout the analysis period (1980–2024). It reveals periods where the inflation rate spiked above 12, as well as years where it dropped below 5, demonstrating the country's fluctuating inflation environment.

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.