

Business Question and Visualization Report

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| Date | 13 December 2025 |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Power BI Inflation Analysis: Journeying Through Global Economic Terrain |
| Maximum Marks | 5 Marks |

Business Questions and Visualisation

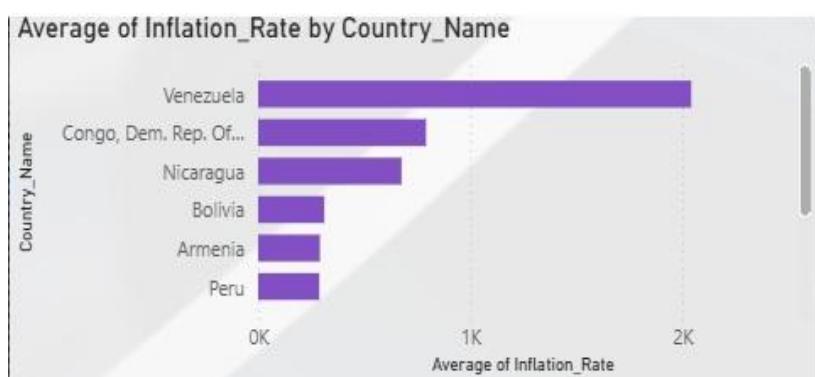
1. What is the average inflation rate across all countries for a selected year?

- *Visualization:* Card (KPI) displaying the average inflation rate with a Year slicer.
- *Screenshot of visualisation*



2. Which countries have the highest inflation rates?

- *Visualization:* Clustered Bar Chart comparing average inflation rate by country (Top N countries)
- *Screenshot of visualisation*



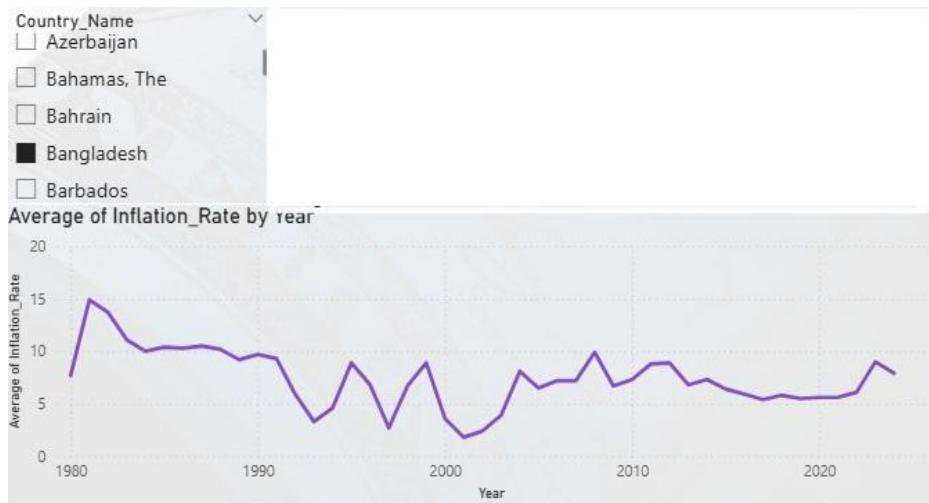
3. How has the global average inflation rate changed over time?

- *Visualization:* Line Chart showing average inflation rate by year
- *Screenshot of visualisation*



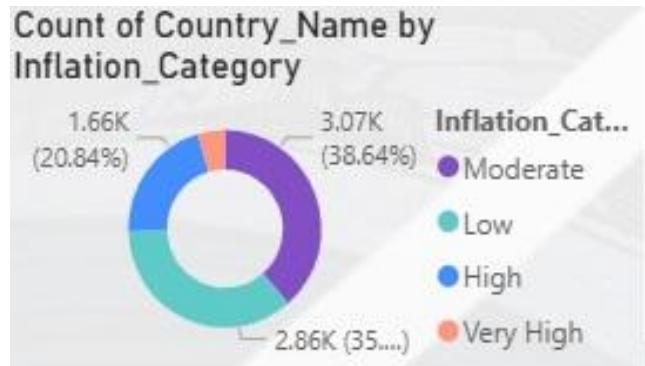
4. How has inflation changed over time for a selected country?

- *Visualization:* Line Chart with year on the X-axis and inflation rate on the Y-axis , controlled by a Country slicer.
- *Screenshot of visualisation*



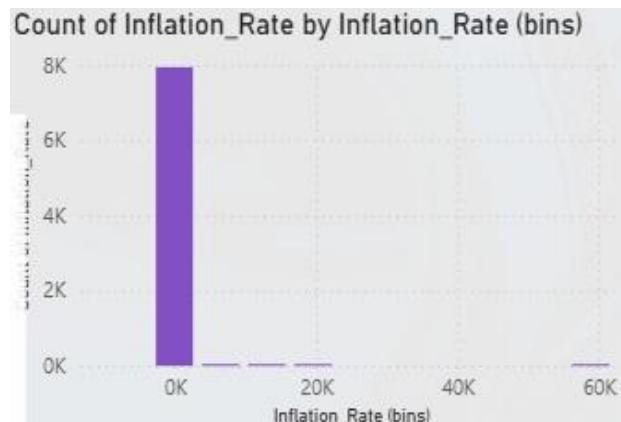
5. How many countries fall into Low, Moderate , High & Very High inflation categories?

- *Visualization:* Donut Chart showing the distribution of inflation categories
- *Screenshot of visualisation*



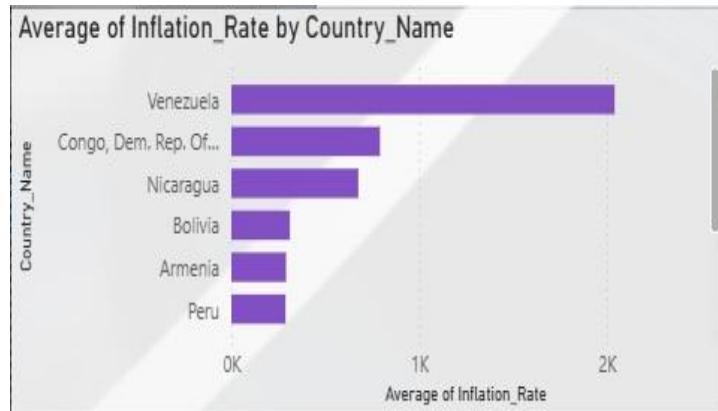
6. What is the overall distribution of inflation rates in the dataset?

- *Visualization:* Clustered Column Chart (Histogram-style) using Inflation Rate bins on the X-axis and count of records on the Y-axis.
- *Screenshot of visualisation*



7. What is the average inflation rate for each country across all years?

- *Visualization:* Bar Chart comparing average inflation rate by country
- *Screenshot of visualisation*



8. What are the minimum and maximum inflation rates recorded for each country?

- *Visualization:* Table displaying minimum and maximum inflation values per country
- *Screenshot of visualisation*

| Country_Name | Minimum Inflation | Maximum Inflation |
|---------------------|-------------------|-------------------|
| Afghanistan | -43,40 | 71,50 |
| Albania | -0,20 | 226,00 |
| Algeria | 0,30 | 31,70 |
| Andorra | -1,20 | 6,20 |
| Angola | 1,40 | 4,146,00 |
| Antigua And Barbuda | -0,60 | 19,00 |