**Power BI Inflation Analysis: Journeying Through Global Economic Terrain**

**🟨 Objective:**

To develop an interactive Power BI dashboard and accompanying report that analyses global inflation patterns , enabling strategic decision-making for stakeholders.

**🟩 Approach & Solution:**

* Collect inflation data from reliable sources (World Bank, IMF, etc.)
* Clean, reshape, and standardize data using Power BI Power Query
* Create calculated columns (YoY Change, Volatility Index, etc.)
* Design visuals (trend lines, bar charts, maps) for comparisons and storytelling
* Provide recommendations based on insights

**🟥 Technical Architecture (Summary):**

* **Data Sources:** World Bank, IMF, CSV/Excel (fallback: user-uploaded dataset)
* **Tools Used:** Power BI, Excel, Python (optional), GitHub
* **Data Modelling:** Star schema (Country-Dimension, Time-Dimension, Inflation-Fact)
* **Visualizations:** Line chart (trend), bar chart (top 10), map (regional view), slicers
* **Deployment:** Dashboard + report + GitHub repository + optional demo video

**🟦 Challenges & Mitigation:**

| **Challenge** | **Mitigation Approach** |
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| Non-standard formats | Power Query transformations |
| Missing historical data | Apply filters and document data gaps |
| Interdependencies across regions | Add context with global events/timelines |