**Data collection and Preprocessing ---**

**🔹 Objective:**

To gather, clean, and prepare global inflation data from 2019 to 2024 for Power BI dashboard development.

**🔹 Data Sources:**

* **Primary Source:** World Bank – Inflation (% annual)  
  <https://data.worldbank.org/indicator/FP.CPI.TOTL.ZG>
* **Backup Sources:**
  + IMF datasets
  + Kaggle datasets
  + User-uploaded file: Book1.xlsx *(currently under cleaning)*

**🔹 File Format:**

* Expected format: .xlsx or .csv
* Structure:
  + Country
  + Year
  + Inflation Rate (%)

**🔹 Preprocessing Plan (in Power BI Power Query):**

1. **Remove nulls or missing values**
2. **Unpivot** year columns (if in wide format)
3. Rename columns:
   * Country, Year, Inflation\_Rate
4. Convert Year to number type
5. Filter years: **2000–2024 only**
6. Add calculated columns:
   * YoY\_Change = This Year – Previous Year
   * Inflation\_Category = Low / Medium / High based on thresholds