

## Dataset Overview

You worked with two datasets:

- **INFORM Risk 2024 (CSV):** Contains country-level disaster risk data.
- **EM-DAT Disaster Events:** Contains historical disaster event records.

## Data Cleaning & Preparation

- Combined multi-row headers in the INFORM dataset.
- Dropped redundant rows and reset the index.
- Sorted EM-DAT data by country.
- Calculated and mapped disaster frequency per country.
- Filtered disaster records from 2000–2004.

## Analysis

- Identified **top 3 disaster-prone countries**:
  1. **China**
  2. **India**
  3. **USA**
- Visualized these using a **horizontal bar chart**.

## Data Integration

- Merged INFORM and EM-DAT datasets using 'COUNTRY (a-z)' as the key.
- Performed **one-hot encoding** on the country column.

## Final Outcome

You created a clean, combined, and encoded dataset ready for modeling or further analysis, with insights into country-level disaster exposure and response data.