

# ANALYSIS OF TERRORISM THROUGH THE GLOBAL TERRORISM DATABASE

**LINK:** <https://www.kaggle.com/datasets/START-UMD/gtd/data>

## Skimming the Dataset

1. **For the project idea you have in mind so far, does this data have what I need?** The Global Terrorism Database (GTD) contains the necessary information for my analysis terrorism based on target vulnerability, attack types, and their outcomes.
  - **Event ID**
  - **Date of incident**
  - **Country and city**
  - **Attack type**
  - **Target type**
  - **Weapon type**
  - **Fatalities**
  - **Injuries**
2. **What do I need to filter? What do I need to keep?**
  - **Date Range:** analyze trends over a specific period.
  - **Geographical Location:** compare the amount of attacks for particular regions or countries.
  - **Attack Types:** To compare different attack types with the targets.
  - **Target Types:** To identify and compare vulnerabilities by comparing target types to fatalities.
3. **What type of processing or analysis would I have to do?**
  - **Data Cleaning:** Remove duplicates and handle missing values
  - **Categorization:** group data by time periods, geographical locations, target types and attack type.
  - **Visualization:** Create graphs and maps to visualize trends and patterns.

## Visualizations

4. **What meaningful visualizations can you create with the dataset?**
  - **Trend Lines:** Display trends in attack frequency.
  - **Bar/Column Charts:** Compare different attack types with fatalities.
  - **Heatmaps:** Visualize hotspots of terrorist activity.

## User Interaction

5. **What would you want the user to be able to do with your project and visualizations?**
  - **Filter Data:** Enable users to filter by date range, location, attack type, or target type.

- **Compare Data:** Allow users to compare different categories (e.g., attack types) side-by-side.

## Highlighting Usefulness

### 6. How would you highlight its usefulness if presenting to an audience?

- "My project reveals key trends in global terrorism, identifying the most vulnerable targets and the most common attack types."
- "Interactive visualizations offer a user-friendly way to explore complex data, making it accessible to a wide audience."