

# Comprehensive Analysis of Global Terrorism Trends

## Introduction:

This project explores global terrorism trends, providing an in-depth analysis of how terrorist activities have evolved over time. By examining regional deviations from global patterns, attack success rates, prevalent tactics, and more, we uncover key insights into the nature of terrorist incidents worldwide. The use of interactive plots and geographic visualizations enhances understanding and engagement.

## Dataset Overview:

Our analysis is based on the Global Terrorism Database (GTD), which contains data on over 180,000 terrorist attacks from 1970 to 2017. Managed by the National Consortium for the Study of Terrorism and Responses to Terrorism (START), this dataset offers detailed information on both domestic and international incidents.

## Key Features:

- **Time Span:** 1970 - 2017
- **Number of Incidents:** 180,000+
- **Scope:** Domestic and International
- **Data Limitations:** The dataset may have biases or gaps due to underreporting or varying definitions of terrorism.

## Key Insights:

1. **Temporal Trends:** The data reveals varying trends in terrorist activities over the decades, influenced by socio-political factors.
2. **Geographic Distribution:** Certain regions show higher frequencies of terrorist incidents, often correlating with political instability.
3. **Tactics and Success Rates:** Analysis of prevalent tactics and their success rates provides insights into terrorist operational strategies.
4. **Casualty Analysis:** Examination of the impact on human life highlights regions and periods with higher casualty rates.
5. **Regional Variations:** Significant regional variations are observed, with unique patterns in some areas deviating from global trends.

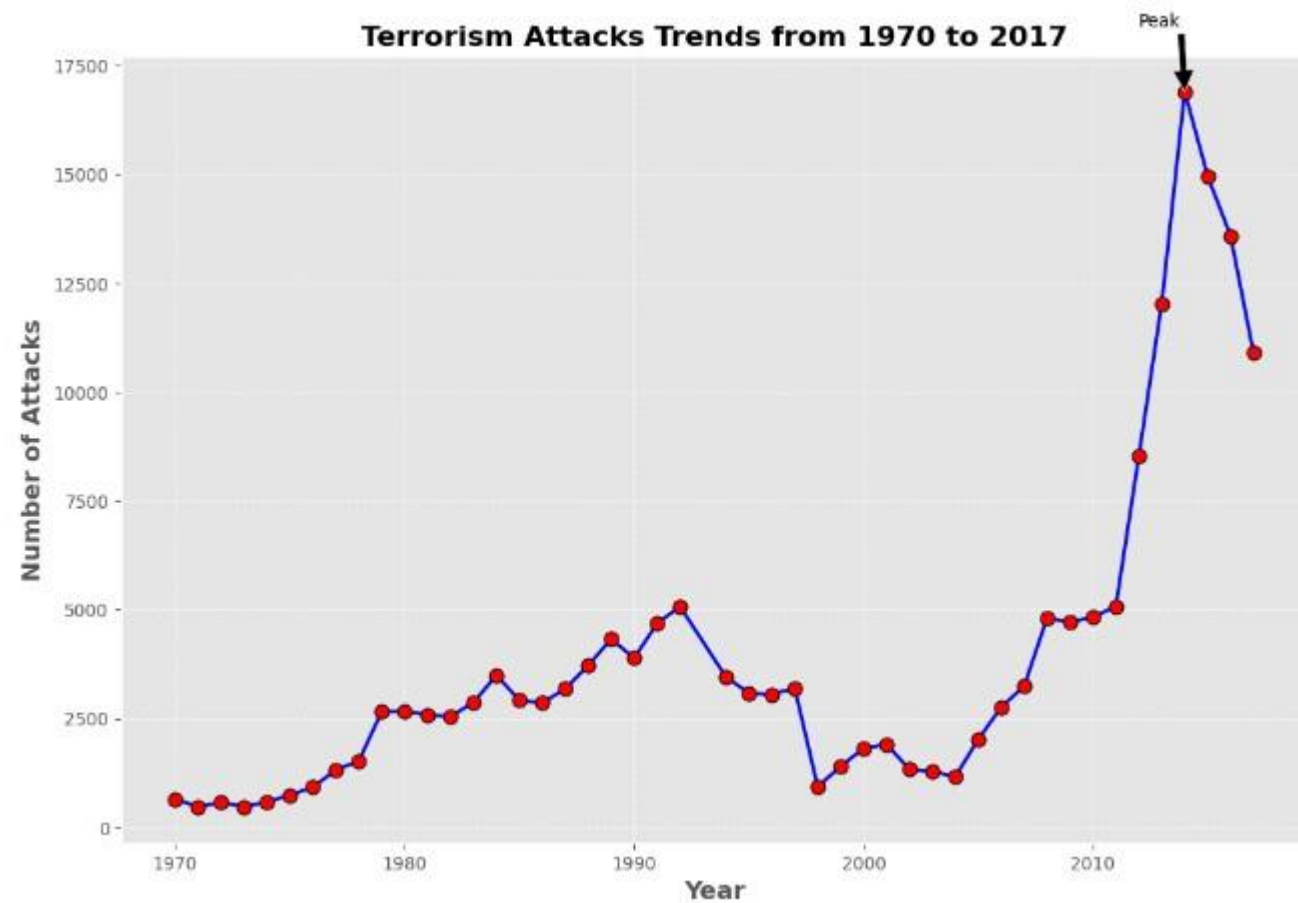
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**From the results of our careful analytical look at the data, we concluded the following.**

### *Key Findings:*

#### ➤ **Temporal Trends**

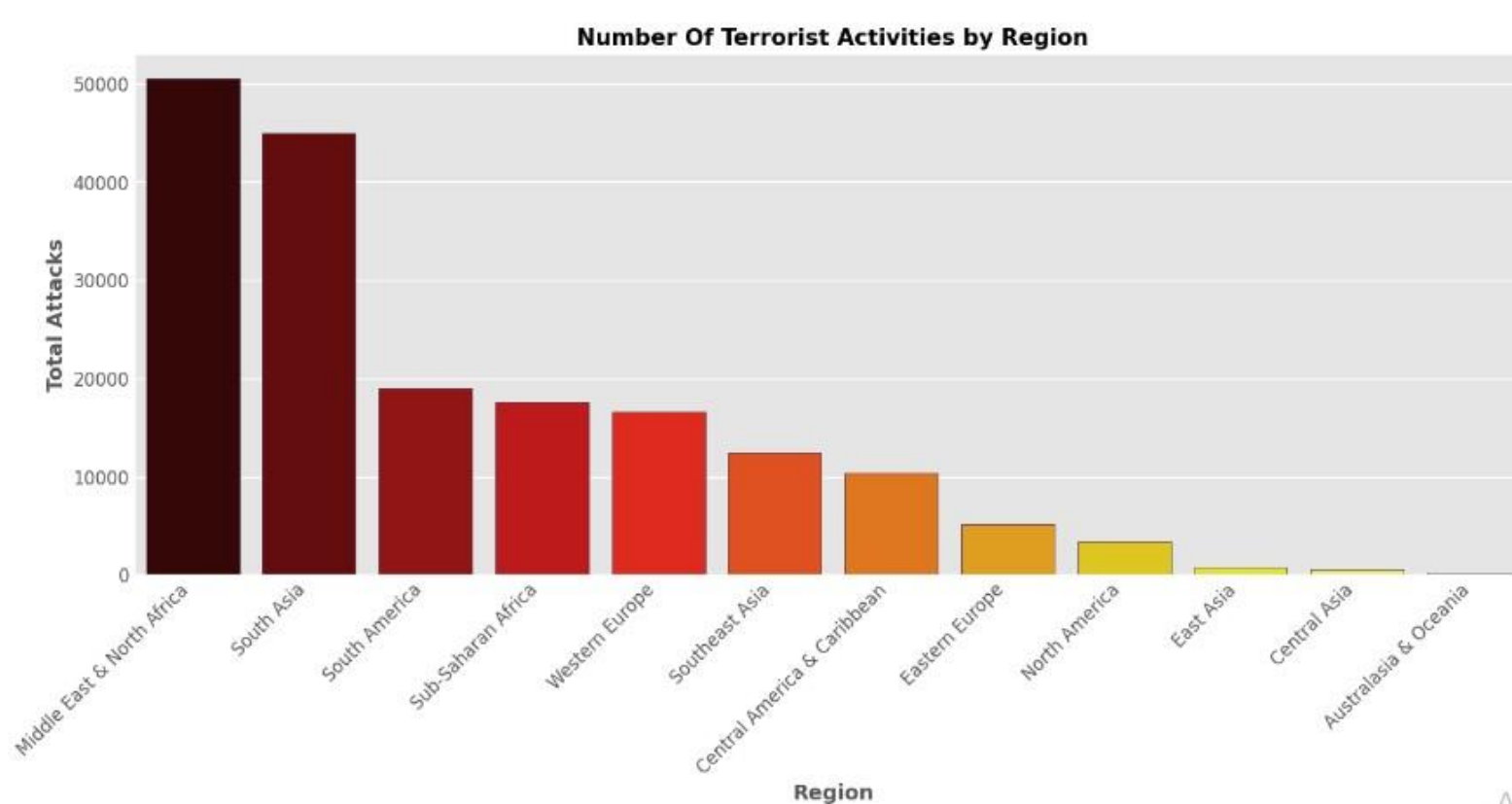
- **Peak Year:** The data shows a significant concentration of terrorist attacks in 2014. This peak highlights an unprecedented rise in global terrorism during that year.
- **Long-term Trends:** From the early 1970s to 2017, there has been a noticeable fluctuation in the number of terrorist attacks, with certain periods witnessing sharp increases. The rise in attacks from the early 2000s onward is particularly notable, correlating with global political and social upheavals.



Year	number of attacks per year
43 2014	16903
44 2015	14965
45 2016	13587
42 2013	12036
46 2017	10900

### ➤ Regional Analysis

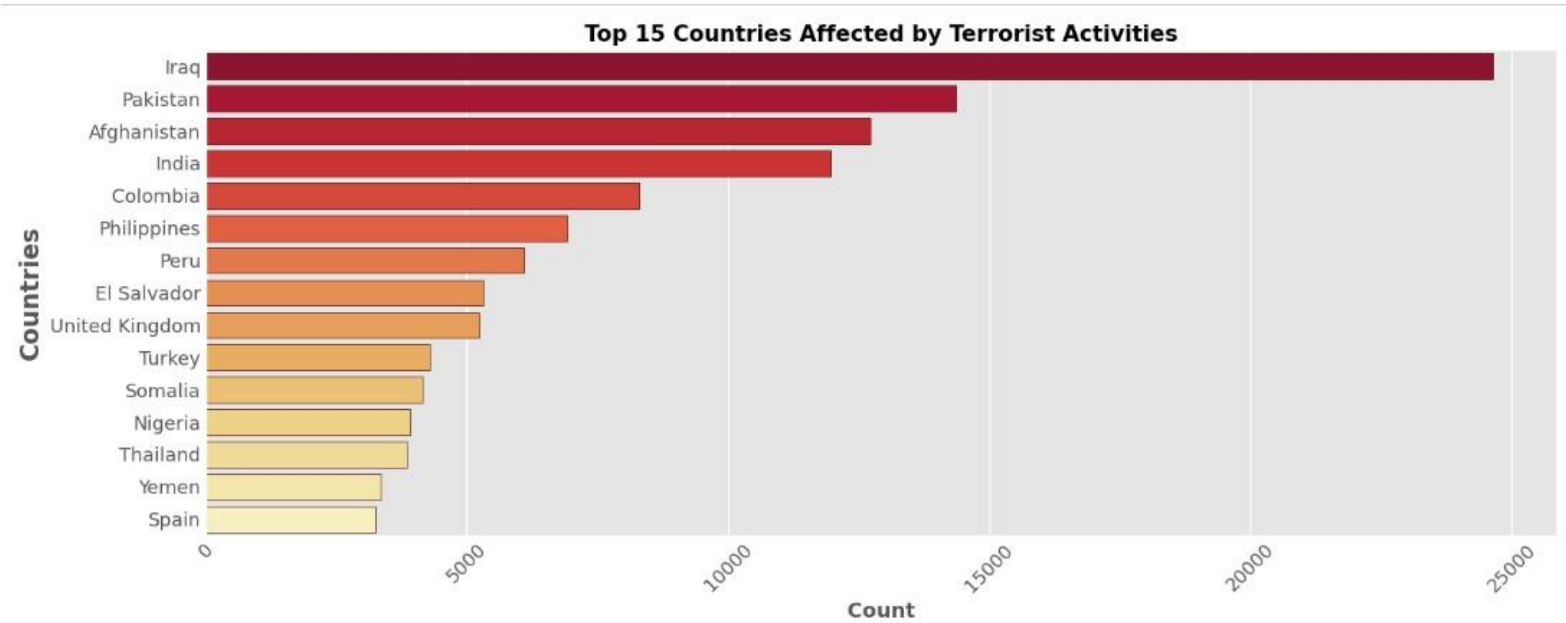
- **Most Affected Regions:** The Middle East and North Africa are the most terrorismprone regions, followed by South Asia. This distribution aligns with ongoing conflicts and geopolitical instability in these areas.
- **Least Affected Regions:** The Australian region has experienced very few terrorist events, indicating a relatively stable and secure environment compared to other regions



	Region	Total_attacks_region
5	Middle East & North Africa	50474
8	South Asia	44974
7	South America	18978
10	Sub-Saharan Africa	17550
11	Western Europe	16639
9	Southeast Asia	12485
1	Central America & Caribbean	10344
4	Eastern Europe	5144
6	North America	3456
3	East Asia	802
2	Central Asia	563
0	Australasia & Oceania	282

### ➤ The Most 15 Total terrorist strikes country.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Country	Iraq	Pakistan	Afghanistan	India	Colombia	Philippines	Peru	El Salvador	United Kingdom	Turkey	Somalia	Nigeria	Thailand	Yemen	Spain
total_attacks per country	24636	14368	12731	11960	8306	6908	6096	5320	5235	4292	4142	3907	3849	3347	3249



Top Five Most Affected Countries:

- 1. Iraq
- 2. Pakistan
- 3. Afghanistan
- 4. India
- 5. Colombia

**Characteristics of Affected Countries:** The countries with the highest number of attacks are often densely populated and experiencing internal conflicts, making them hotspots for terrorist activities.

➤ Casualties and Impact.

- The analysis indicates that countries with the highest number of attacks also tend to have the highest casualties, including deaths and injuries. This correlation emphasizes the severe human cost associated with terrorism.

The highest infection rate for each country under region

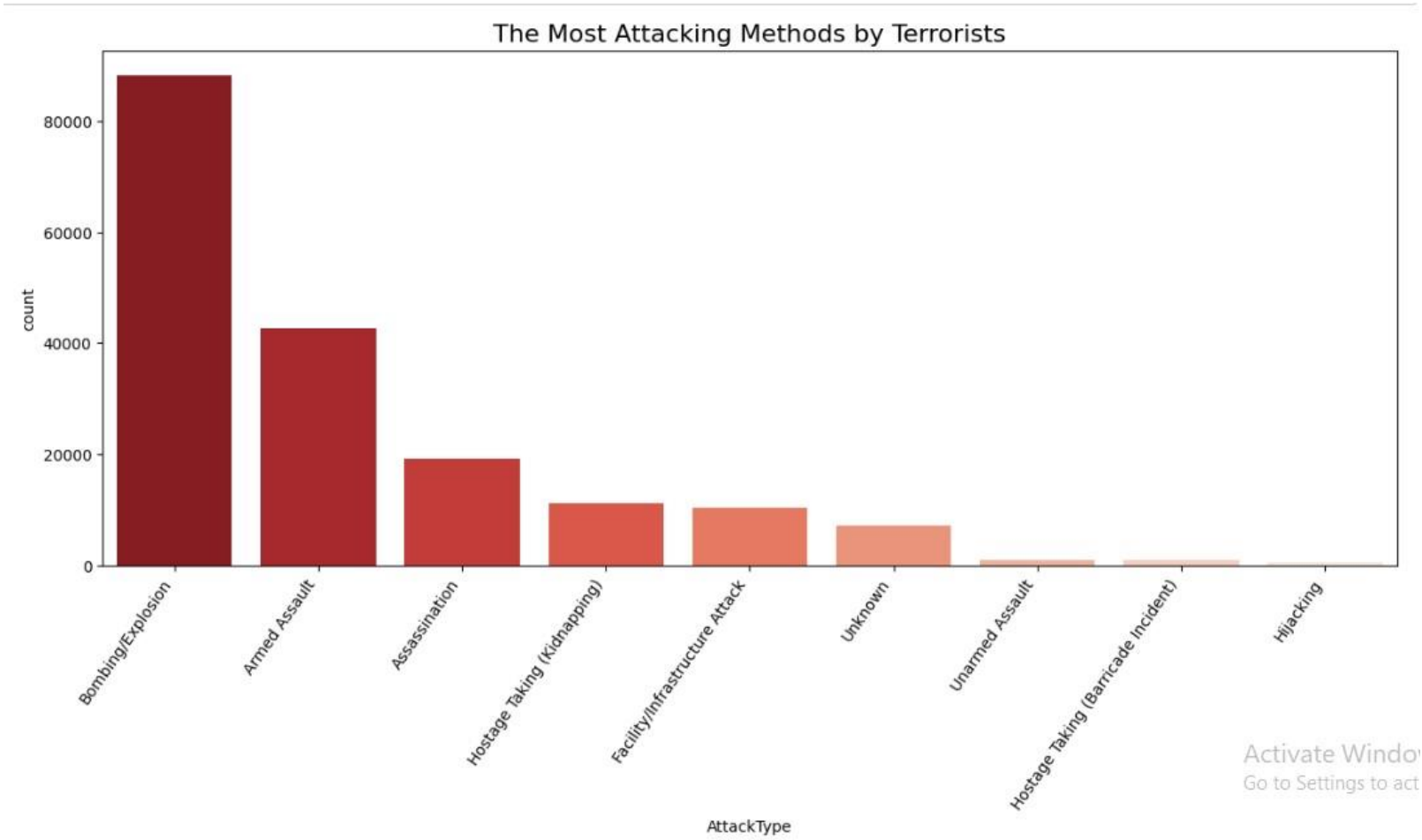
	0	1	2	3	4	5	6	7	8	9
Region	Middle East & North Africa	South Asia	South Asia	South Asia	Sub-Saharan Africa	South Asia	Middle East & North Africa	South America	North America	Southeast Asia
Country	Iraq	Afghanistan	Pakistan	India	Nigeria	Sri Lanka	Syria	Colombia	United States	Philippines
Killed	78589.0	39384.0	23822.0	19341.0	22682.0	15530.0	15229.0	14698.0	3771.0	9559.0
Wounded	134690.0	44277.0	42038.0	28980.0	10239.0	15561.0	14109.0	10328.0	20702.0	13367.0
casualties	213279.0	83661.0	65860.0	48321.0	32921.0	31091.0	29338.0	25026.0	24473.0	22926.0

➤ Terrorist Tactics

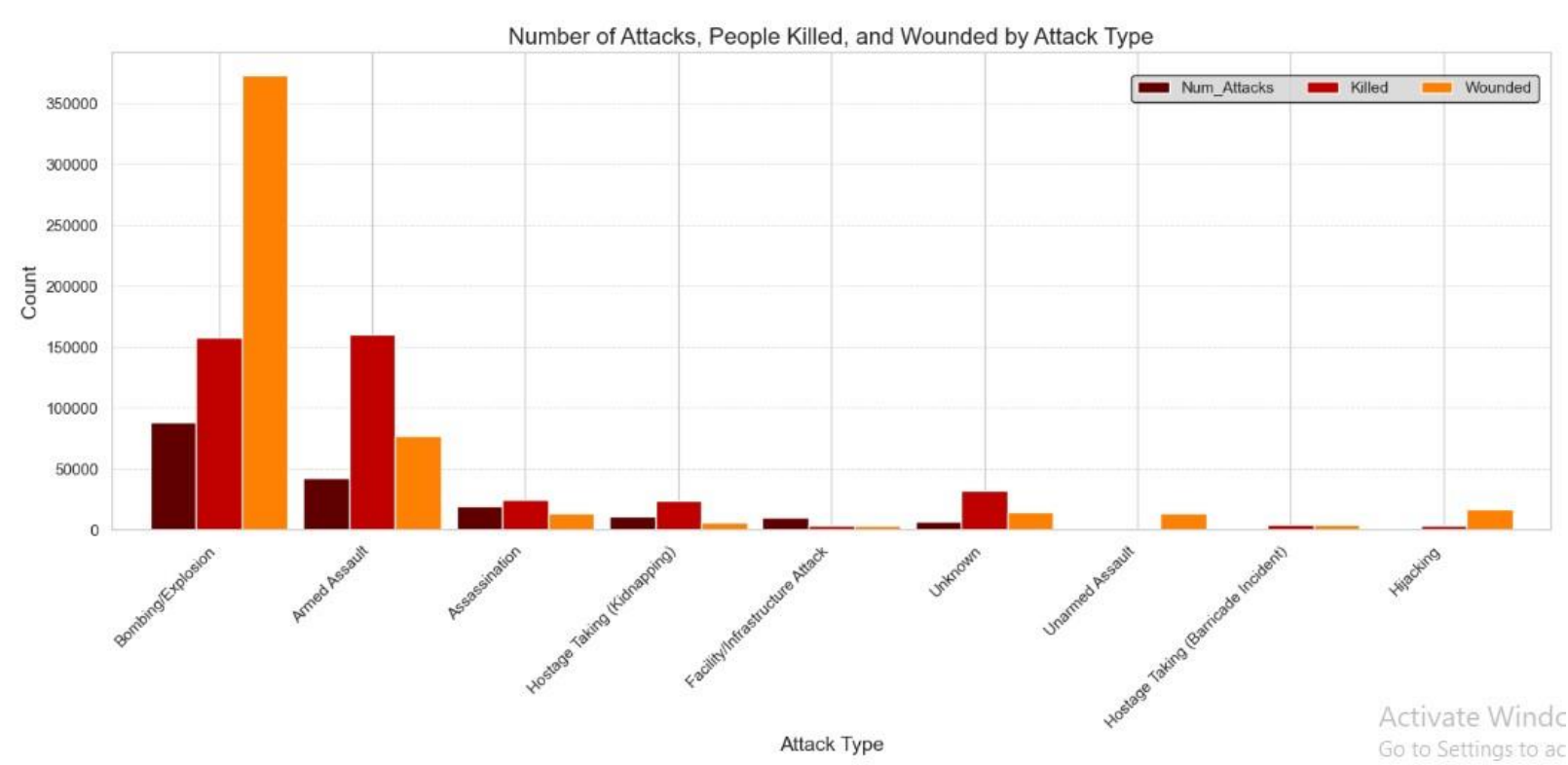
• Common Methods:

- ☐ **Bombings/Explosions:** The most prevalent tactic, chosen for its potential to cause widespread damage and casualties.
- ☐ **Armed Assaults:** Frequently used in regions with ongoing conflicts.

The graph shows the most offensive methods used by the terrorist organization .



The consequences of terrorist groups using this type of attack on innocent people



➤ Most Notorious Groups.

The analysis also identifies the most widespread and dangerous terrorist groups, along with their targeted locations and methods

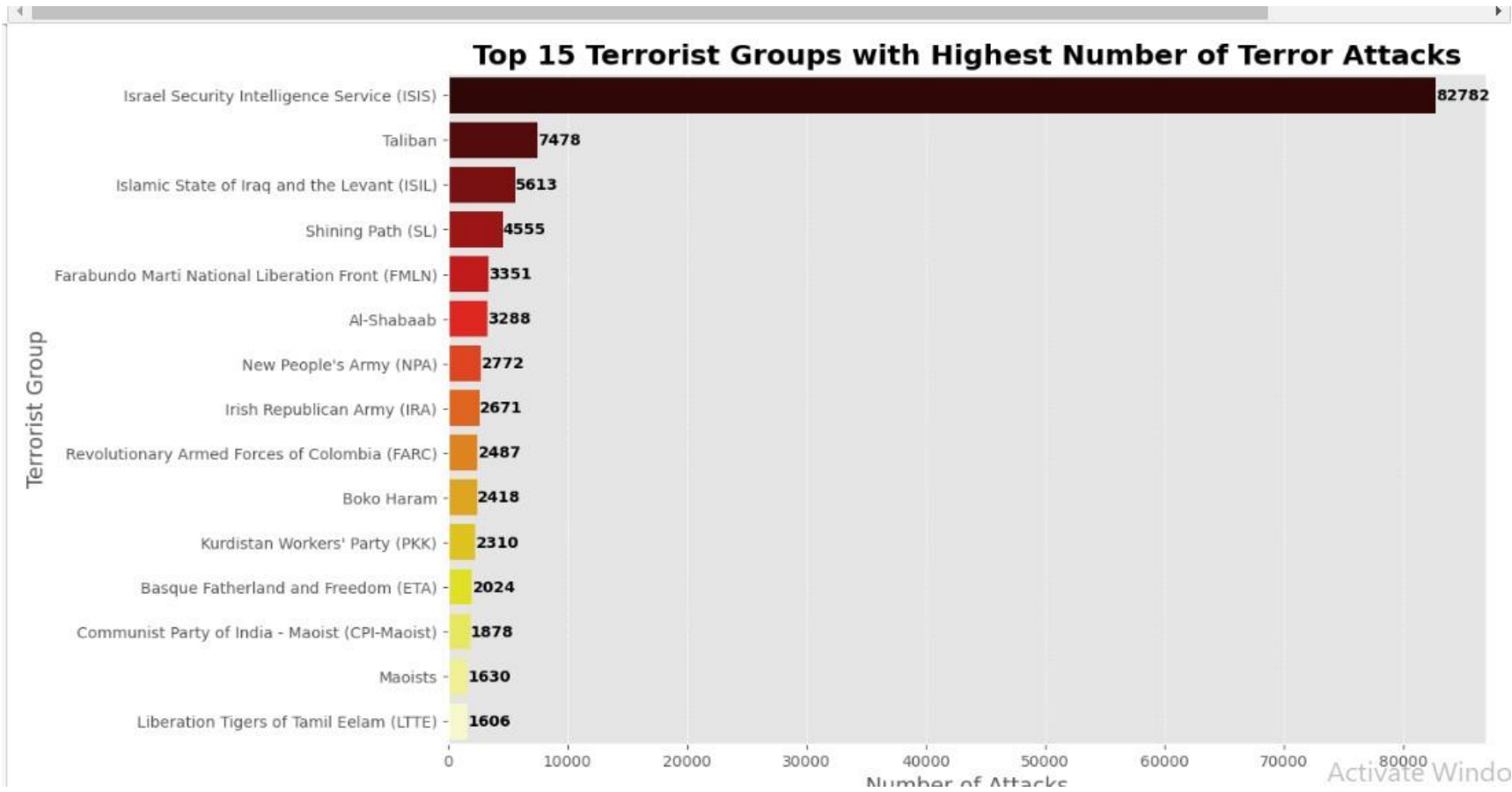
Notable Groups:

- **ISIS:** Known for its global reach and high-profile attacks.
- **Al-Qaeda:** Another major group with a long history of terrorist activities.

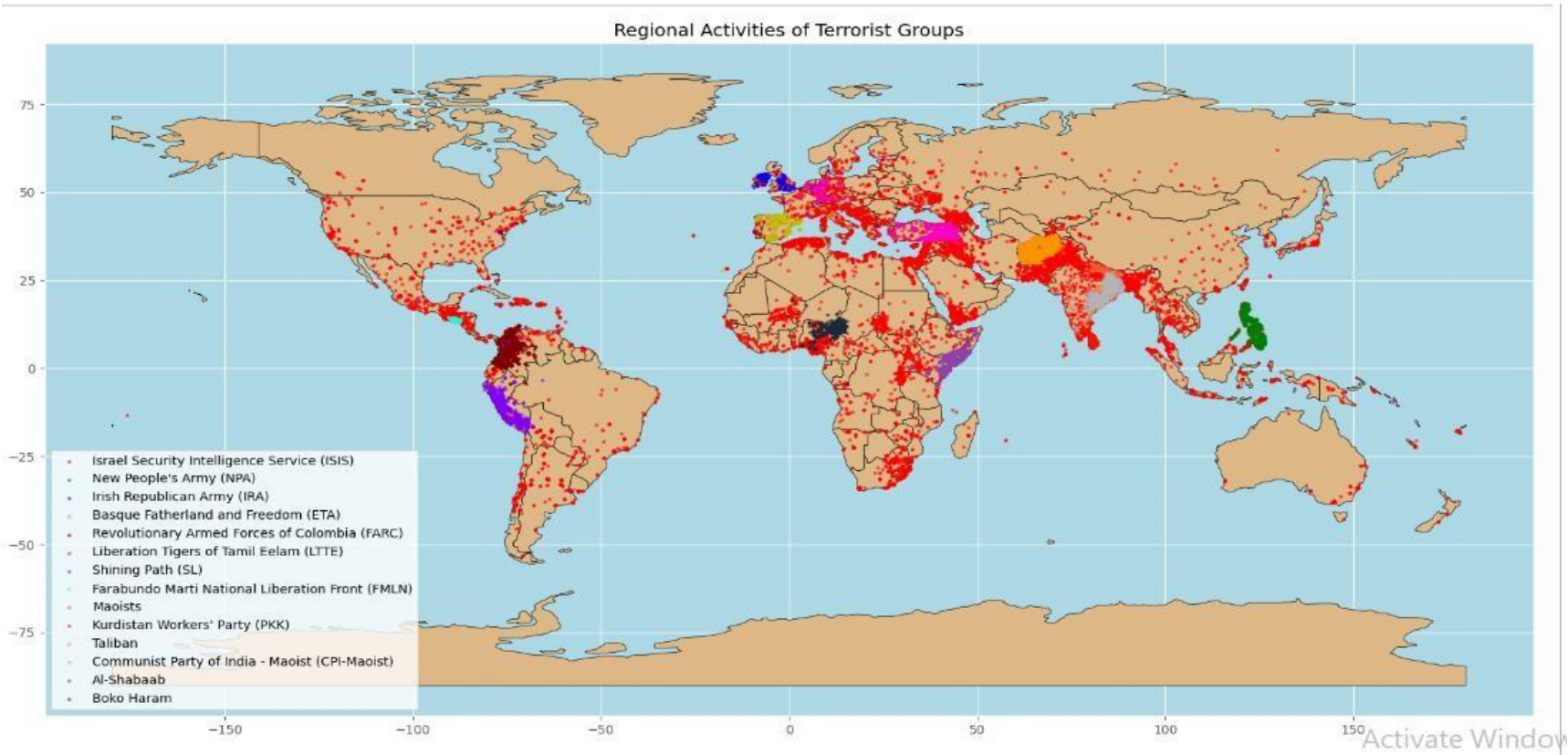
The most widespread,dangerous terrorist groups

	count
Group	
Israel Security Intelligence Service (ISIS)	82782
Taliban	7478
Islamic State of Iraq and the Levant (ISIL)	5613
Shining Path (SL)	4555
Farabundo Marti National Liberation Front (FMLN)	3351

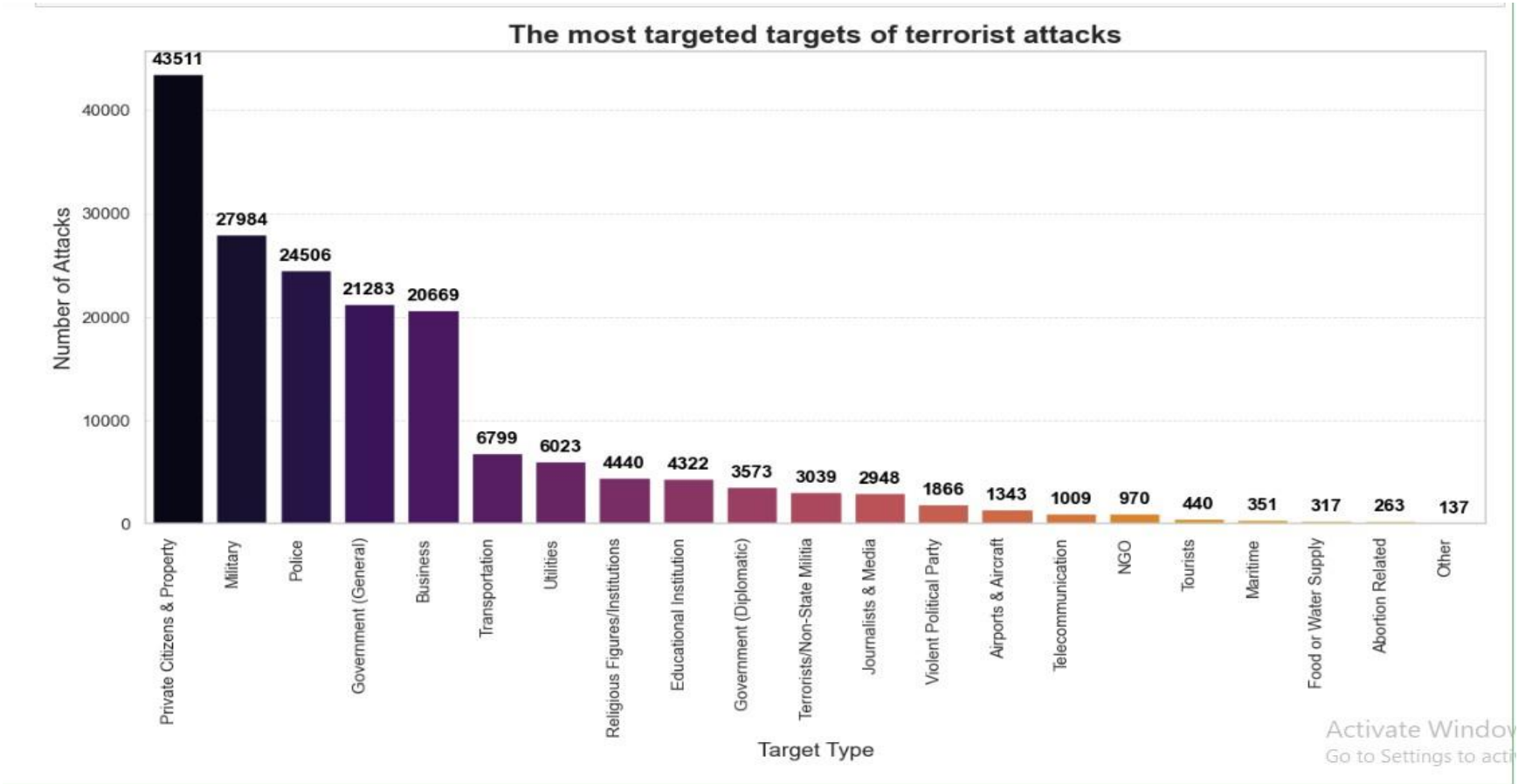




A distribution showing the extent of the spread of terrorist groups in recent years



The most targeted targets of terrorist attacks by groups terror



## **Conclusion**

The analysis of global terrorism trends from 1970 to 2017 reveals critical insights into the patterns and impacts of terrorist activities. The concentration of attacks in specific years and regions highlights the influence of geopolitical factors and internal conflicts. Understanding these trends is crucial for developing effective counter-terrorism strategies and mitigating the impact of terrorism on affected populations.

## **Recommendations:**

- **Policy Implications:** Highlight the need for international cooperation and effective counter-terrorism strategies.
- **Future Research:** Suggest areas for future research, such as the impact of socio-economic factors on terrorism or the effectiveness of counter-terrorism measures.