Capstone Project-1
Global Terrorism

By

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Let's Find the Terrorist Activity

- ❖ Data Summary
- ❖ Introduction
- ❖ Terrorist Activities each Year and Favorite target
- ❖ Top Affected Countries and Killed by Terrorist
- ❖ Terrorism Activity Region Wise
- ❖ Terrorism Group With Highest Terror Attacks.
- ❖ Casualty vs Success
- ❖ Attacks vs Killed
- ❖ Terror Attacks in India
    - a. Number of Activities each year
    - b. Most Notorious Groups in India and Favorite Attack Types
    - c. Indian State Attacked by terrorist
- ❖ Dashboard Global Terrorism Summary(Tableau)
- ❖ Conclusion

Data Summary

1. Understanding the problem.
2. Import required Libraries (Matplotlib, Seaborn, Mpl.toolkits, basemap etc.)
3. Read Dataset.
4. Basic Modification and cleaning the data.
5. Evaluate Global terrorism data.
6. terror_region :- Terrorism Region wise distributed.
7. count_terror :- Attack vs Killed.
8. terror_fol :- folium is Python library used for visualizing geospatial data.
9. top_groups10 :- Terrorism Group With Highest Terror Attacks.
10. Attack_counts (India) :- Number of terrorist activity each year.
11. Filter :- Terrorist Group vs Attacks and Casualties.
12. terror_india   :- Terrorism activity in India.

Introduction

Terrorism –

Terrorism is the unlawful use of force or violence against persons or property to intimidate or coerce a government, the civilian population, or any segment there of, in furtherance of political or social objectives.

Global Terrorism-

The Year 2017 has witnessed about 1045 terror attacks till now, which has claimed 6000+ lives. According to a survey, there is at least 1 terrorist attack taking place each day somewhere around the world

Terrorism in Indian –

In 2016, India witnessed an increase of 18 per cent in the number of deaths resulting from terrorism when compared to 2015.
From 2002 to 2015 India has been ranked between second and sixth on the GTI

Terrorist Activities each Year and Favorite target

In 2017, an estimated 26,445 people died from terrorism globally.

Over the previous decade the average number of annual deaths was 21,000. However, there can be significant year-to-year variability. Over this decade the global death toll ranged from its lowest of 7,827 in 2010 to the highest year of 44,490 in 2014.

90 % terrorist favorite target classified as either private citizens and property ,Military , police , Government and Businesses.

Number Of Terrorist Activities Each Year

Terrorist favorite Target

Top affected Countries and Killed by Terrorist

AI
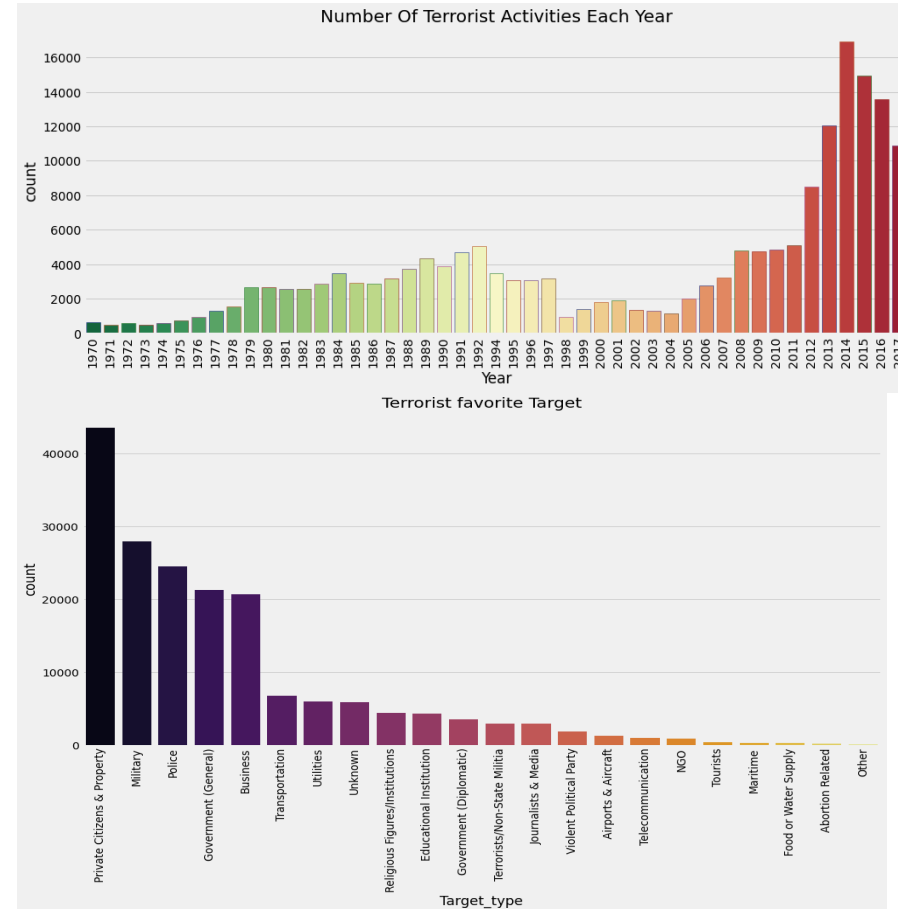
While terrorist attacks can occur anywhere in the world, these countries suffer the most due to their proximity to ongoing conflicts.
For the first time Turkey was one of the ten most affected countries. This is due to the increased activity of the Kurdistan Worker's Party (PKK) and ISIL.
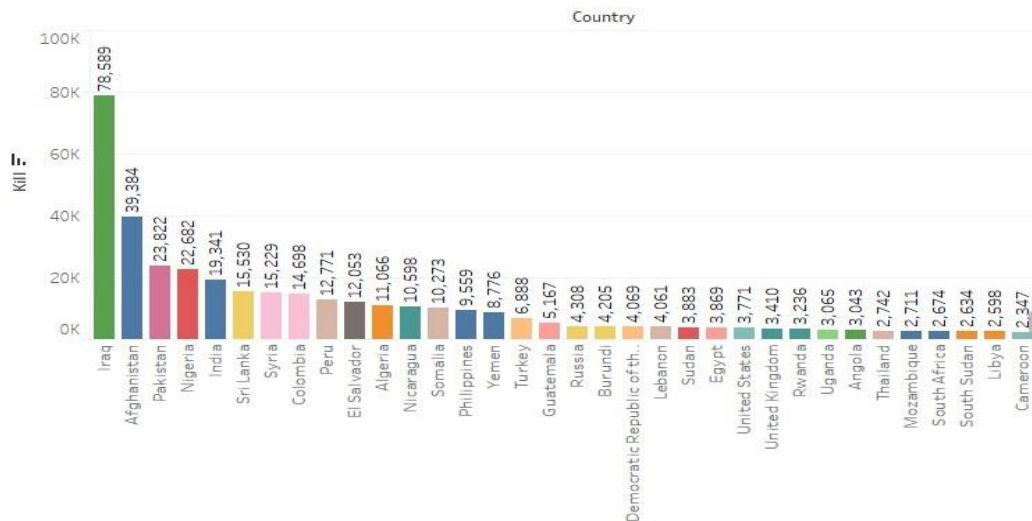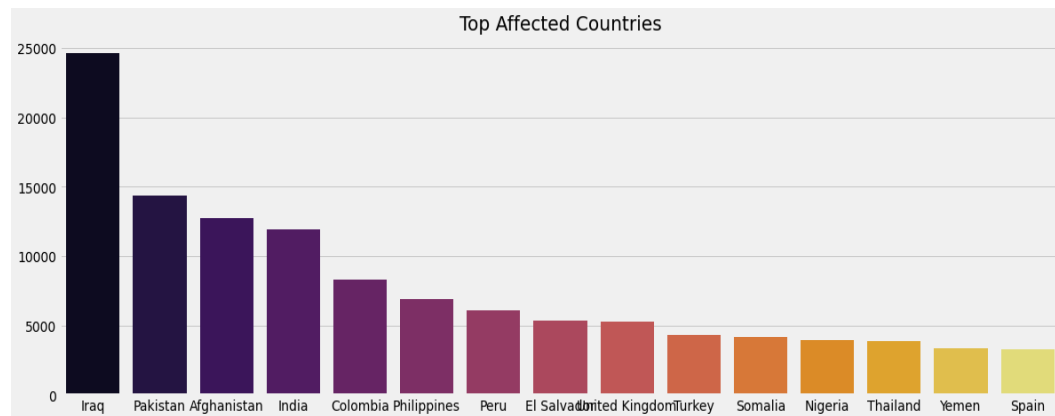
According Global dataset (1960 to 2017) the Top Five Countries affected and killed by terrorist is

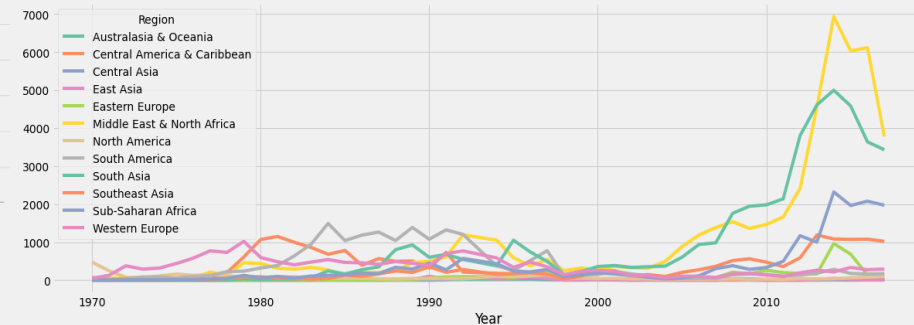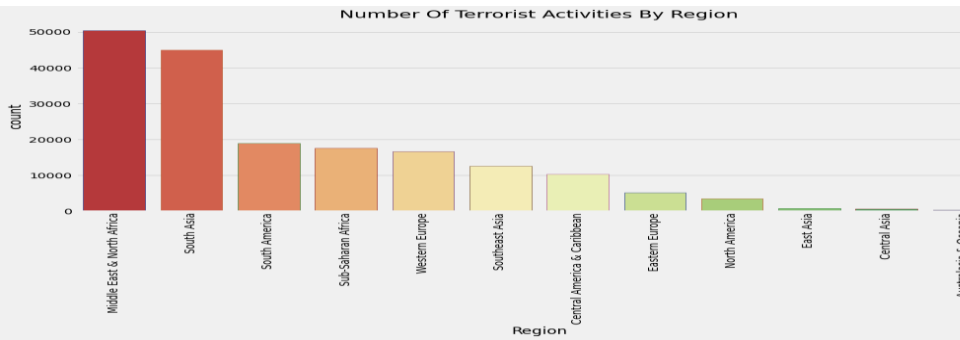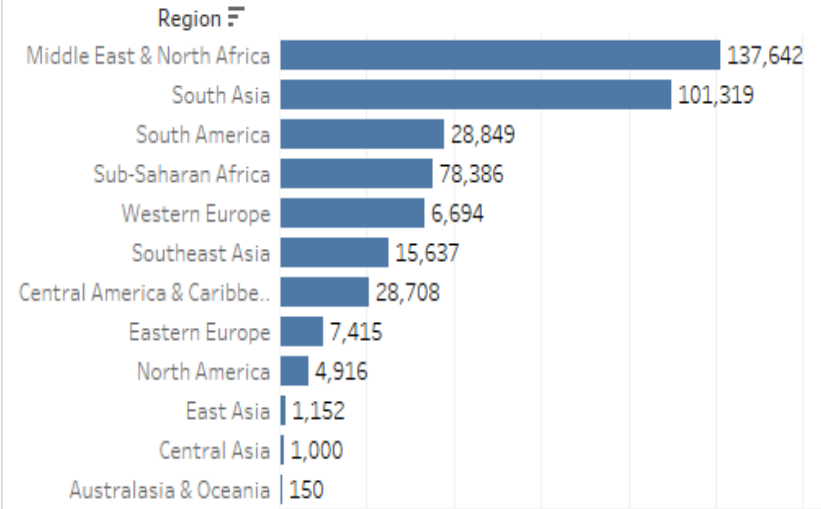| Affected	Killed
1. Iraq	1. Iraq (78,589)
2. Pakistan	2. Afghanistan (39,384)
3. Afghanistan	3. Pakistan (23,882)
4. India	4. Nigeria (22,682)
5. Colombia	5. India (19,341)

Terrorism Activity Region wise

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Middle East and North Africa are the most terrorism prone regions followed by South Asia. The Australian Region have experienced very few terrorist events.
Collectively we can say that The African and Asian Continent experience the highest terrorist attacks.

In this chart we see the number of deaths from terrorism by region Middle East & North Africa Of the 137,642 global deaths from terrorism included in the Global Terrorism Database, 95% occurred in the Middle East, Africa or South Asia. Less than 2% of deaths were in Europe, the Americas and Oceania combined.

Geography focussed killing

Region

Region	Value
Middle East & North Africa	137,642
South Asia	101,319
South America	28,849
Sub-Saharan Africa	78,386
Western Europe	6,694
Southeast Asia	15,637
Central America & Caribbe..	28,708
Eastern Europe	7,415
North America	4,916
East Asia	1,152
Central Asia	1,000
Australasia & Oceania	150

Number Of Terrorist Activities By Region

Terrorism Group With Highest Terror Attacks

AI

Taliban Group :-

The Taliban overtook ISIL as the world's deadliest terrorist group in 2017, due to a rise in terrorist activity in Afghanistan and the winding down of the conflicts in Syria and Iraq.

More than 8,500 civilians were killed or injured in the first three-quarters of 2017,according to the UN.

The Irish Republican Army (IRA), is the oldest terrorist group started back in the 1960-1970.After the 90's IRA stopped its activities may be it should be change their Group Name.

Some of the groups that have started lately in 2000's like the ISIL and Taliban, have shown a shoot in the number of attacks in the past years.
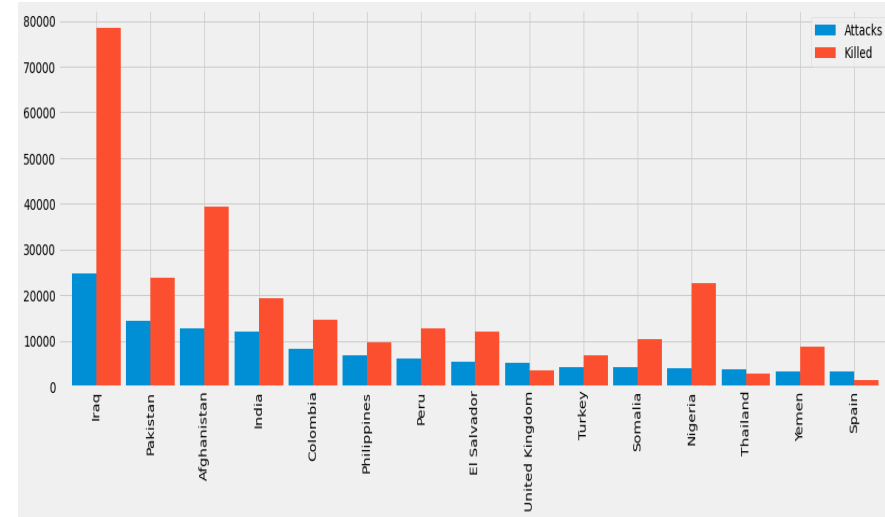
ISIL Group:-

The Islamic State of Iraq and the Levant (ISIL) is no longer the deadliest terrorist organization in the world. In 2017, ISIL was responsible for 1,328 deaths - a 69% drop from the previous year and an 85% drop from its peak in 2016.

Terrorist Groups with Highest Terror Attacks
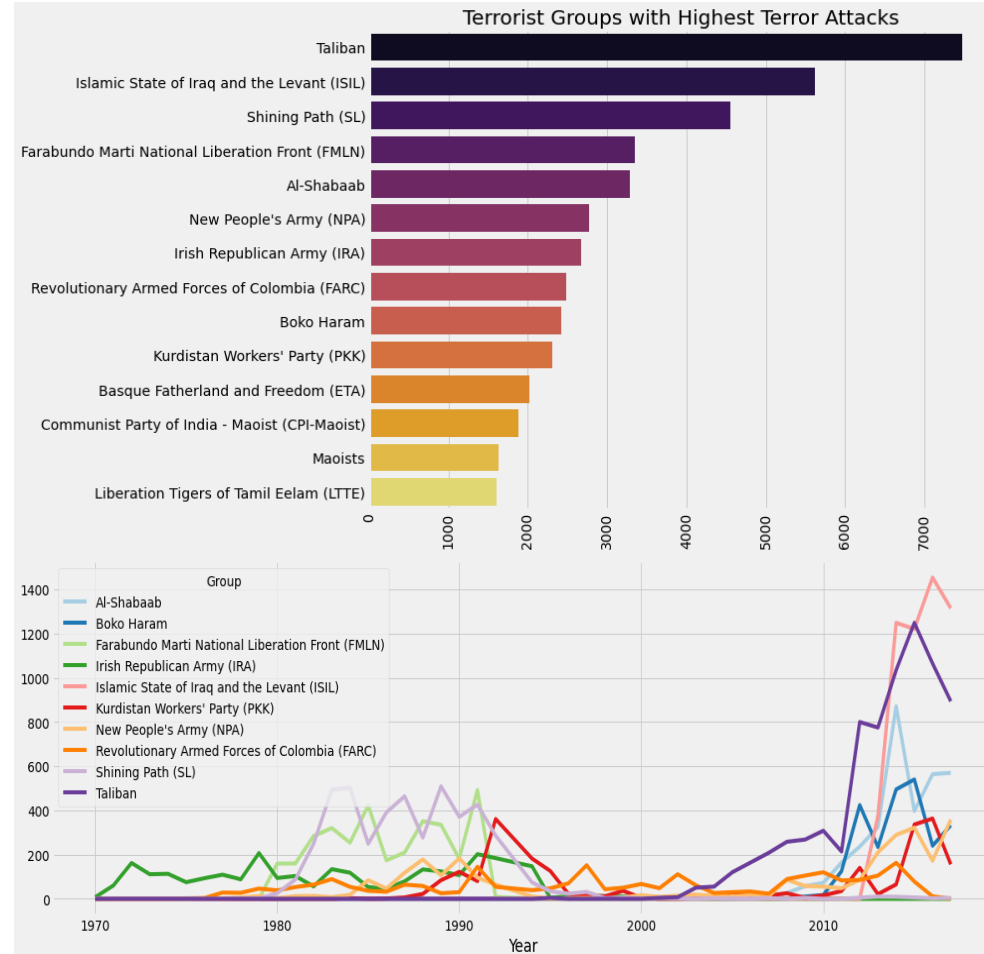
Casualty vs Success
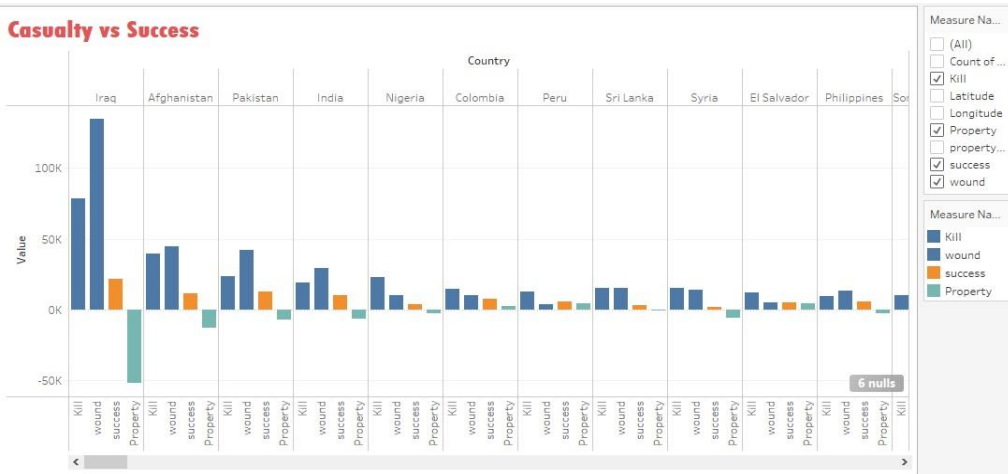
Attacks vs Killed

Iraq is the highest casualties with maximum success rate of terrorist followed by Afghanistan and then Pakistan and India. Property base we can clearly say that the most damaged by terrorist is Iraq after Afghanistan, Pakistan, India, Syria, Nigeria and Philippines.

Over the past decade, terrorists killed an average of 21,000 people worldwide each year. In 2017, terrorism was responsible for 0.05% of global deaths. We know that the Terrorism tends to be very geographically-focused: 95% of deaths in 2017 occurred in the Middle East, Africa or South Asia.

Attack Type used by Terrorist

AI

Most terrorist groups conduct assassinations to eliminate enemies, intimidate the population, discourage cooperation, influence public opinion, decrease government effectiveness, gain media attention, or simply to exact revenge.

Terrorist attacks around the world from 1970 through 2017 dataset report in these years terrorist mostly Bombing/Explosion Attacks are used.
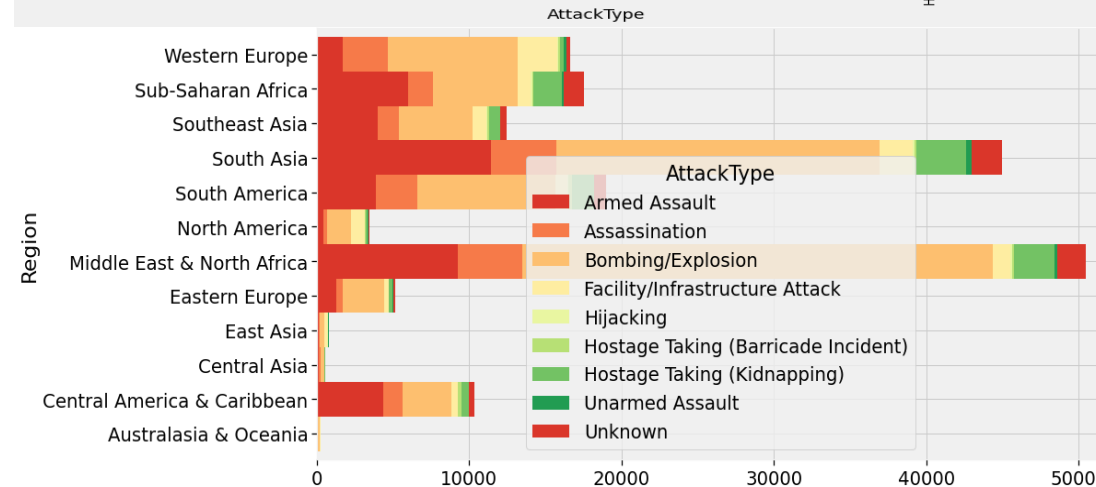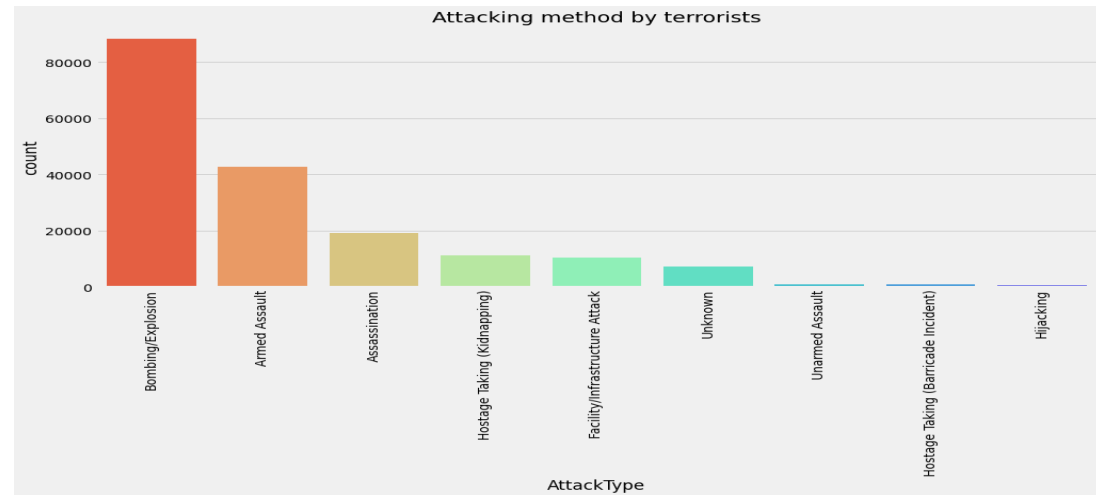
❖ Pipe Bomb
❖ Molotov Cocktail
❖ Fertilizer Truck Bomb
❖ Barometric Bomb
❖ Compressed gas
❖ Low explosive
❖ High explosive
❖ Thermobaric
❖ Nuclear fission
❖ Nuclear fusion etc.

Armed Assaults : - AK-47, Uzi, Galil, AR-15, FN FAL, MAC-10, Steyr AUG, TEC-9, and Armsel Striker etc.

Attacking method by terrorists

AttackType
- Armed Assault
- Assassination
- Bombing/Explosion
- Facility/Infrastructure Attack
- Hijacking
- Hostage Taking (Barricade Incident)
- Hostage Taking (Kidnapping)
- Unarmed Assault
- Unknown

Terror Attacks in India
a. Terrorist activities each year

Terrorism in India, can be broadly categorized in three distinct parts:

- ❖ Cross border terrorism in J&K.
- ❖ Terrorism in the hinterland.
- ❖ Extreme violence and terrorism as an integral part of the ongoing insurgencies.

India since its independence has been facing the problem of in surgency and terrorism in different parts of the country and fron tier- terrorism has been the unending vexed issue.

Indian Territory is a 4th number country affected by Terrorism.

2016 Uri Attack

Four heavily-armed terrorists in 2016 attacked Indian Army's 12 Brigade headquarters in Uri town of Jammu and Kashmir. It was reported as "the deadliest attack on security forces in Kashmir in two decades", where 18 soldiers were killed. Nearly 10 days after the attack, Indian Army carried out surgical strikes against terror launchpads on and along the Line of Control (LoC).
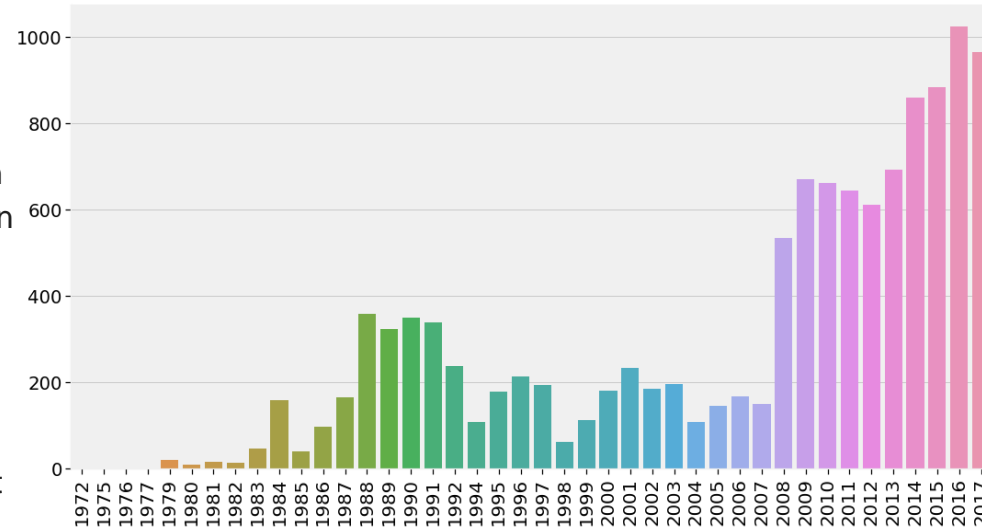
b. Most Notorious Groups in India and Favorite Attack Types AI

CPI Maoist was the most active group in India and the favorite attack of terrorist is Bombing/Explosion followed by Armed Assault.

- ❖ On 12 June 2009, at least 29 members of the Indian Police
- ❖ On 6 April 2010, the Maoists ambushed and killed 76 paramilitary personnel who felled out to the trap laid by the lurking Maoists.
- ❖ On 25 May 2013, the CPI (Maoist) ambushed a convoy of the Indian National Congress at Bastar, and killed 27 people

SATP (South Asia Terrorism Portal) has listed 180 terrorist groups that have operated within India over the last 20 years, many of them co-listed as transnational terror networks operating in or from neighboring South Asian countries such as Bangladesh, Nepal and Pakistan. Of these, 38 are on the current list of terrorist organizations banned by India under its First Schedule of the UA (P) Act, 1967. As of 2012, many of these were also listed and banned by the United States and European Union
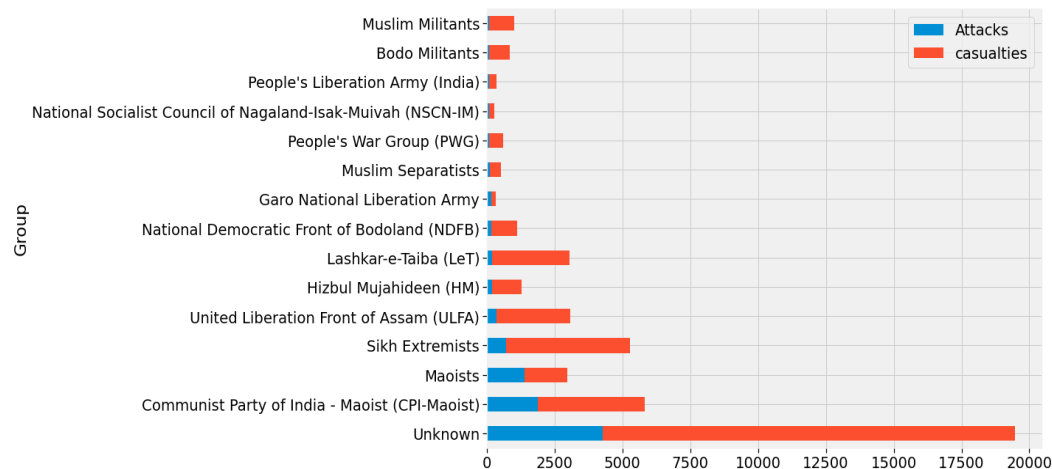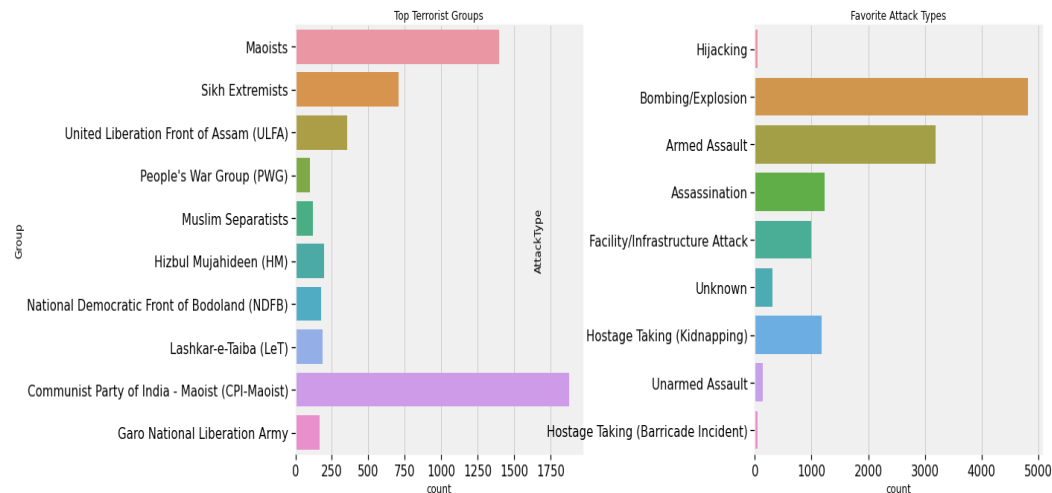
c. Indian State attacked by terrorist

Jammu and Kashmir is the most affected state followed by Manipur, Assam, Chhattisgarh and Punjab.

- 14 Feb,2019   Pulwama Attack-46
- 13 March,2018   Sukma Attack
- 18 Sep,2016   Uri Attack
- 20 March,2015   Jammu attack
- 24 Jun ,2013   Srinagar Attack

India's richly diverse society provides a fertile ground for terrorism to thrive in many areas:

- ❖ politics of communalism and criminalization
- ❖ fanatic religious movements and irresponsible statements by political and religious leaders
- ❖ human rights excesses
- ❖ marginalized minority communities
- ❖ high levels of youth unemployment
- ❖ Poverty
- ❖ Illiteracy.
- ❖ poor governance
- ❖ prolonged delays in criminal justice
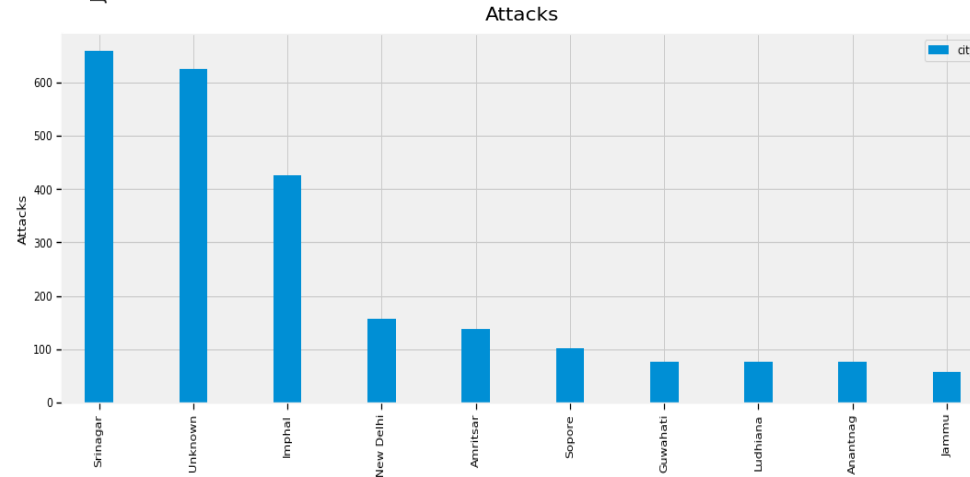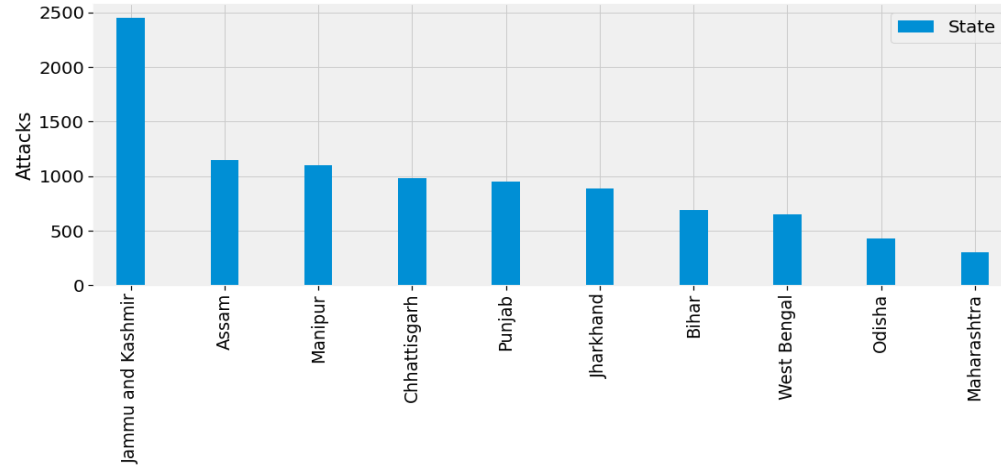
Overview of Terrorism activity across years(from 1970 to 2017)
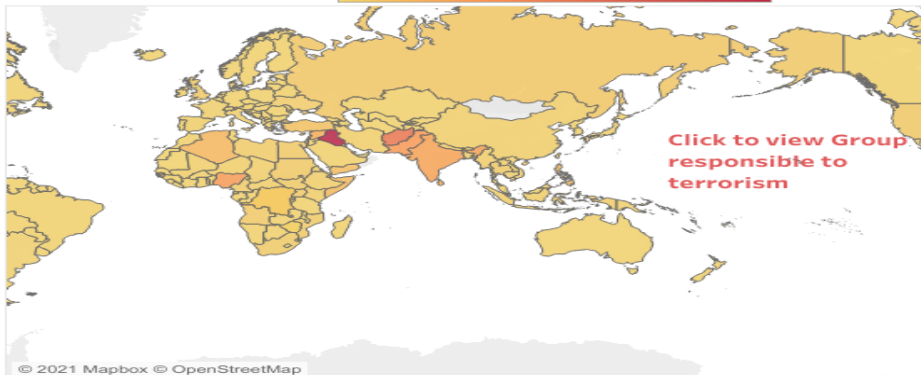
Total Kill

411,868

Total wounded

Count of Country	181,691
wound	523,870

Damaged property value

$8,141,365,961.00

Hot zones

Kill
0 ⟶ 78,589

Click to view Group responsible to terrorism

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Indian Killed by Terrorist Activities

Mongolia

Iran

China

Pakistan

1

© 2021 Mapbox © OpenStreetMap
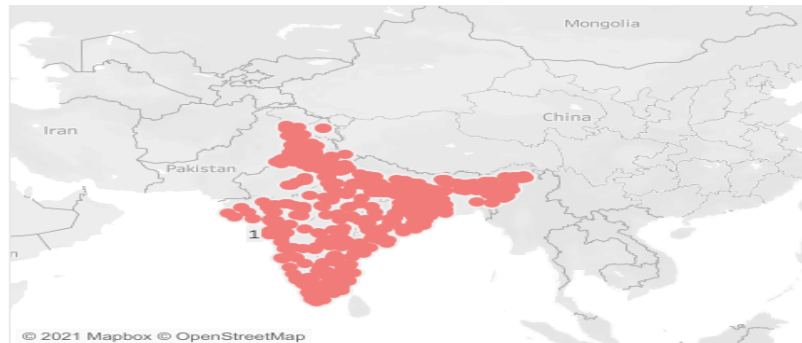
Weapon used to Kill

Weaptype

150K
100K
50K
0K

Firearms
Explosives
Unknown
Melee
Incendiary
Vehicle (not to incl..
Chemical
Other
Sabotage Equipme..
Biological
Radiological
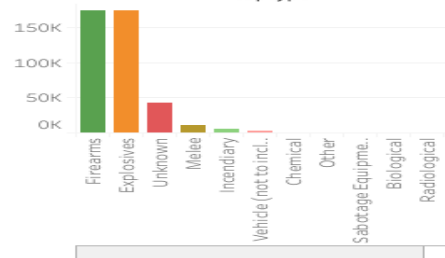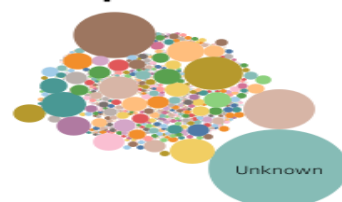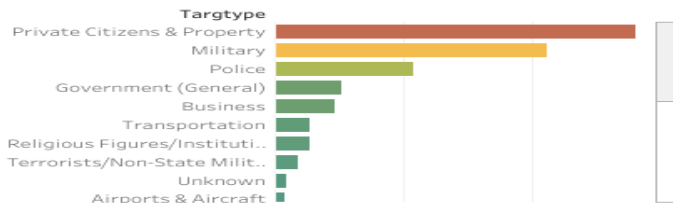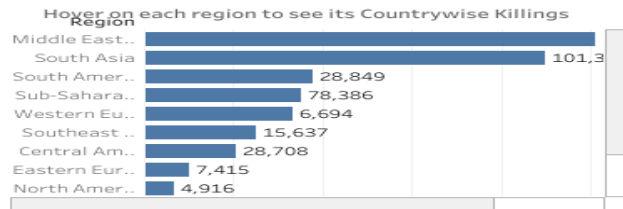
Top 5 countries with most Terrorism Activities

Kill
20K
10K

1980 2000 2020
Year

Most Notorious Groups

Unknown

Top target

Targtype

Private Citizens & Property
Military
Police
Government (General)
Business
Transportation
Religious Figures/Instituti..
Terrorists/Non-State Milit..
Unknown
Airports & Aircraft

Geography focussed killing

Hover on each region to see its Countrywise Killings

Region

Middle East..	
South Asia	101,3
South Amer..	28,849
Sub-Sahara..	78,386
Western Eu..	6,694
Southeast ..	15,637
Central Am..	28,708
Eastern Eur..	7,415
North Amer..	4,916

historic Killing

Kill
40K
20K
0K

1970 1980 1990 2000 2010 2020
Year

Conclusion

1. Terrorist Activity maximum observed in the year of 2014 and Activity is after 2012 sharply accelerate.
2. Terrorist Favorite target is Private citizens & property followed by Military and polices.
3. Iraq, Afghanistan, Nigeria, Syria, and Pakistan remain the top five countries most affected by terrorism.
4. Iraq , Afghanistan, Pakistan, Nigeria and India is the top five countries most killed people by terrorist.
5. It is visible that the Middle-East and Southern-Asia are the regions with highest terrorist activities, not only in numbers, but also in casualties.
6. Taliban is the Terrorist Groups with Highest Terror Attacked behind the Islamic State of Iraq and the
7. Terrorist favorite attack is Bombing/Explosion and Armed Assault.
8. In India Terrorist Activities maximum observed in 2016.And the activity is after 2007 sharply Accelerate.
9. CPI Maoist was the most active group in India and the favorite attack of terrorist is Bombing/Explosion followed by Armed Assault.
10. Jammu and Kashmir is the most affected state followed by Manipur, Assam, Chhattisgarh and Punjab.