

Capstone Project - 1

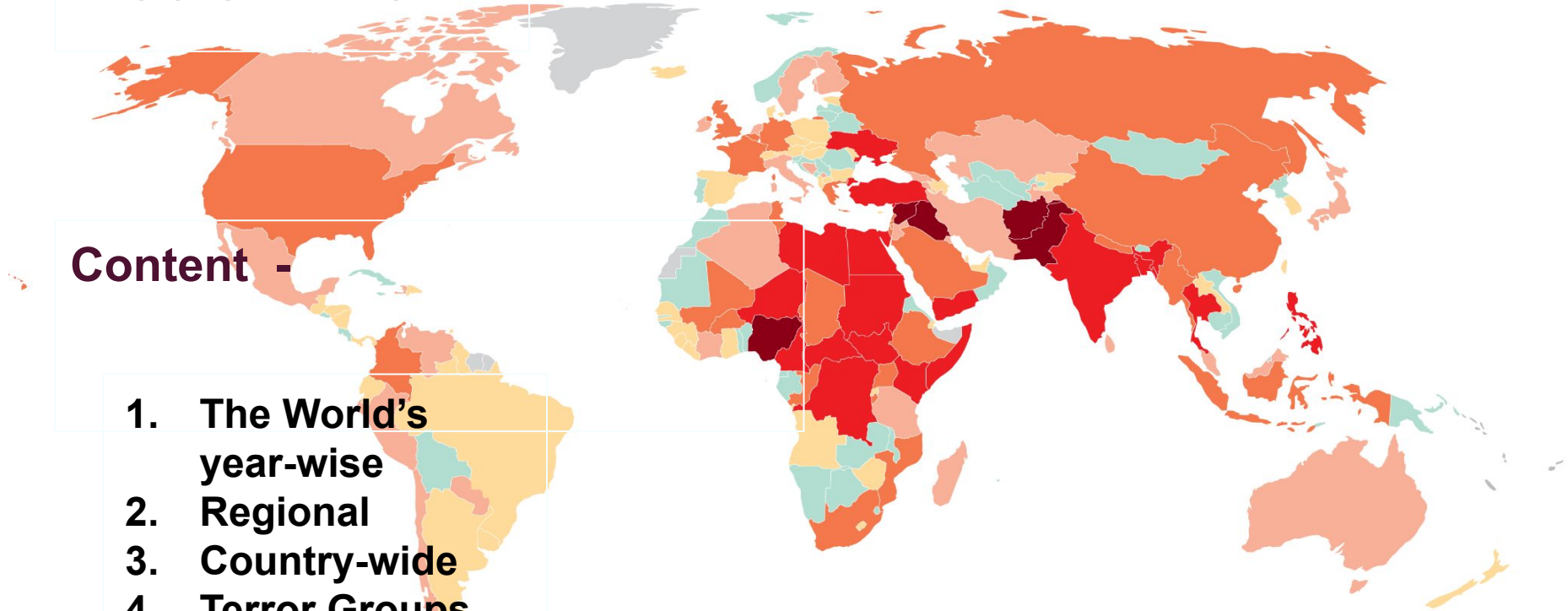
Global Terrorism Analysis

Team Member
Vinay Kumar

Action Plan

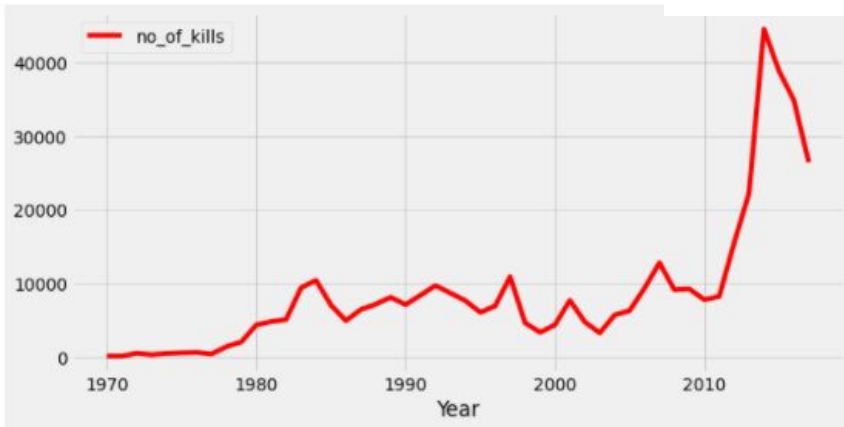
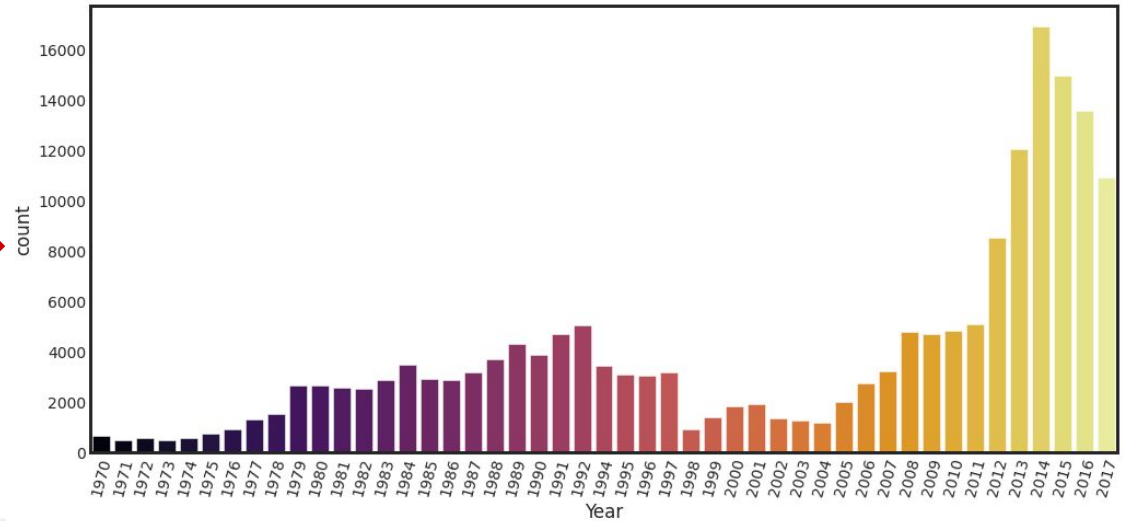
Content -

1. The World's year-wise
2. Regional
3. Country-wide
4. Terror Groups
5. India Specific



World

- Minimum attacks occurred between 1997 and 2004; maximum attacks occurred in the year 2014.



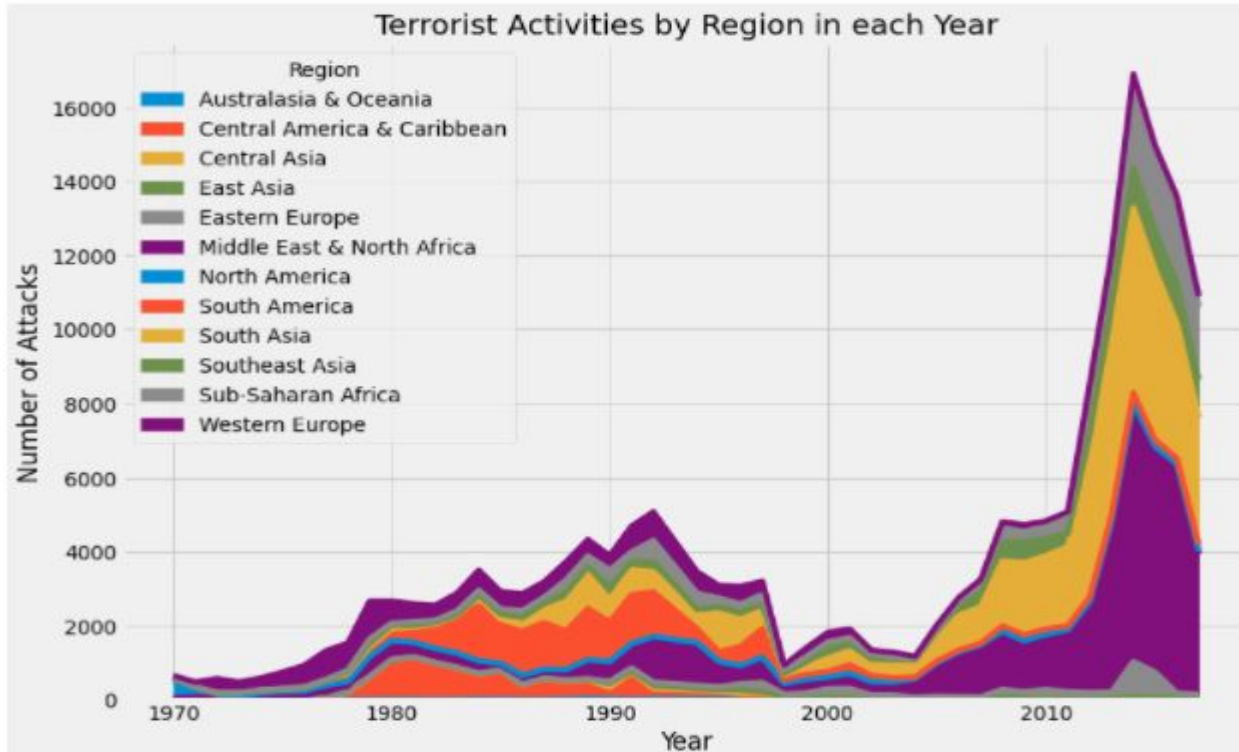
- 2014 was the deadliest year in the last 40 years, but since then, the numbers are going down, which is good news for the world.

World



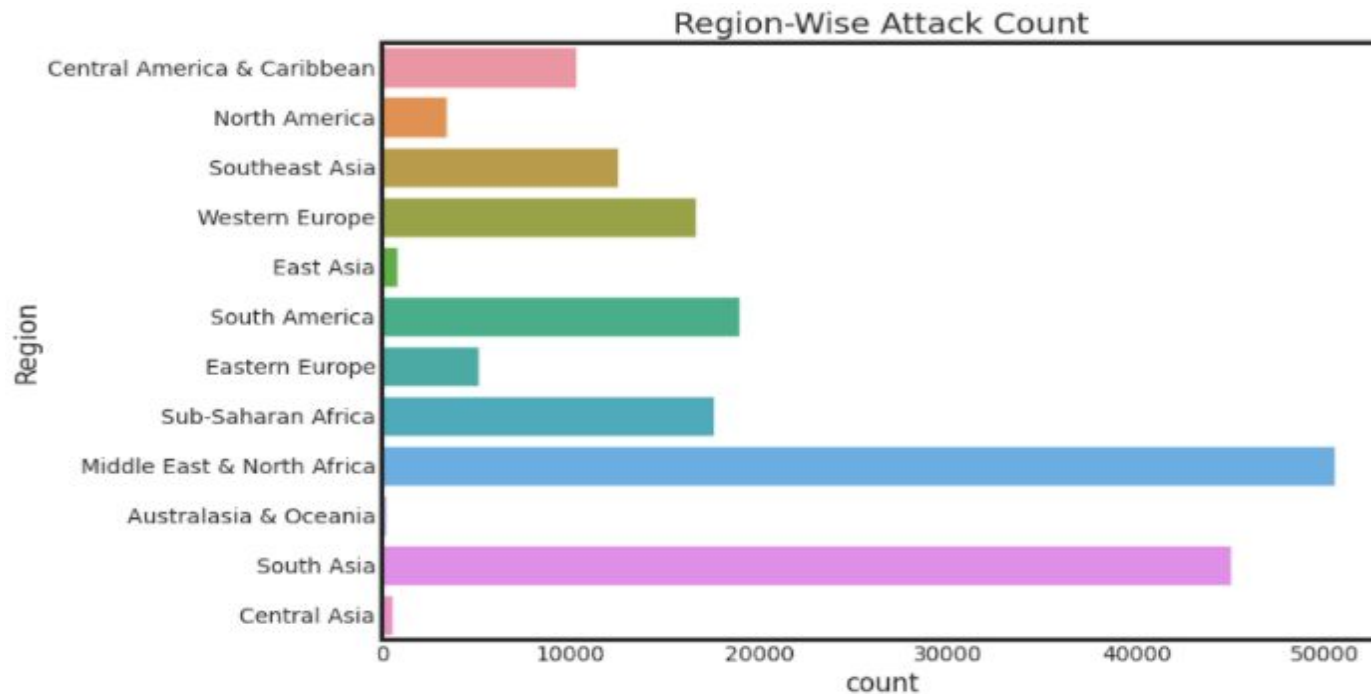
- The number of successful attacks is in line with the frequency of attacks that happened in the given years.
- Since 2011, we have seen an exponential increment.

Region



- Since 2005, there has been an exponential increment in the frequency of attacks, and the Middle East and North Africa has witnessed the highest number of attacks.
- The Arab Spring and many radical groups like ISIL and Boko Haram can be the reason for this.

Region



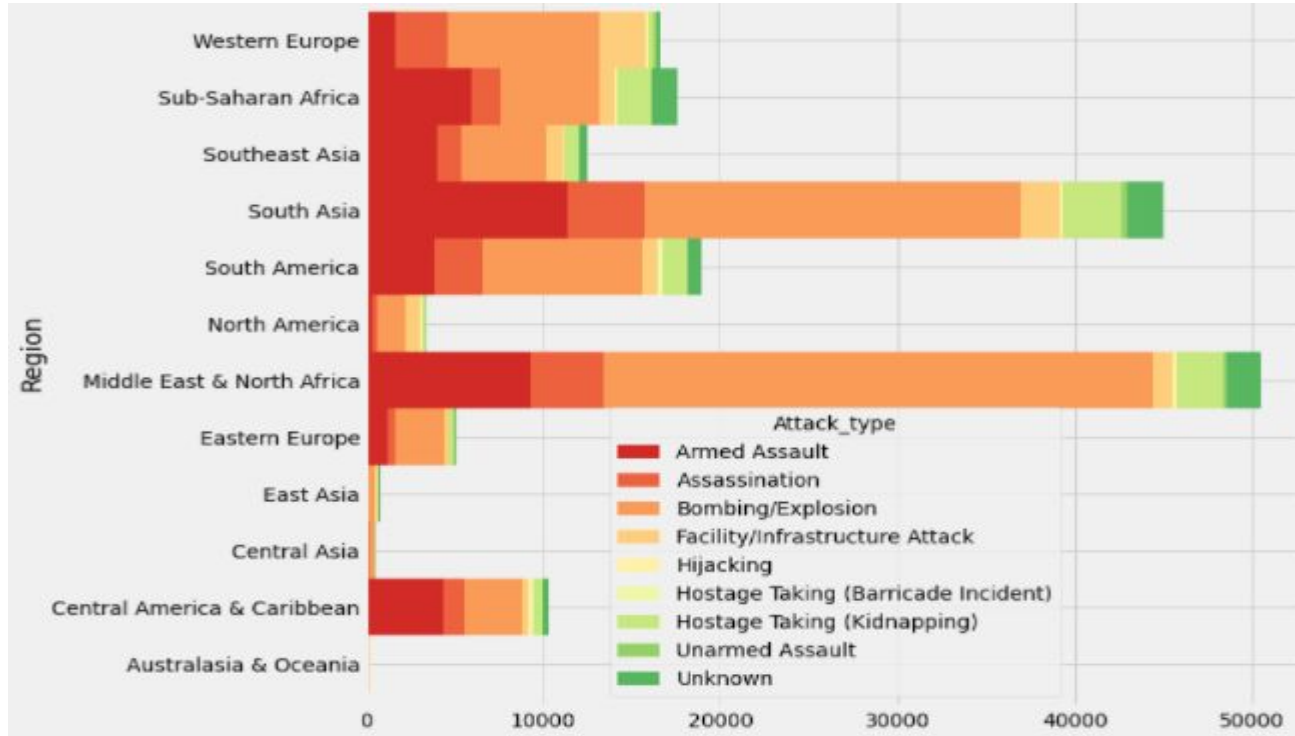
Middle East and North Africa region has encountered maximum no of attacks

Region



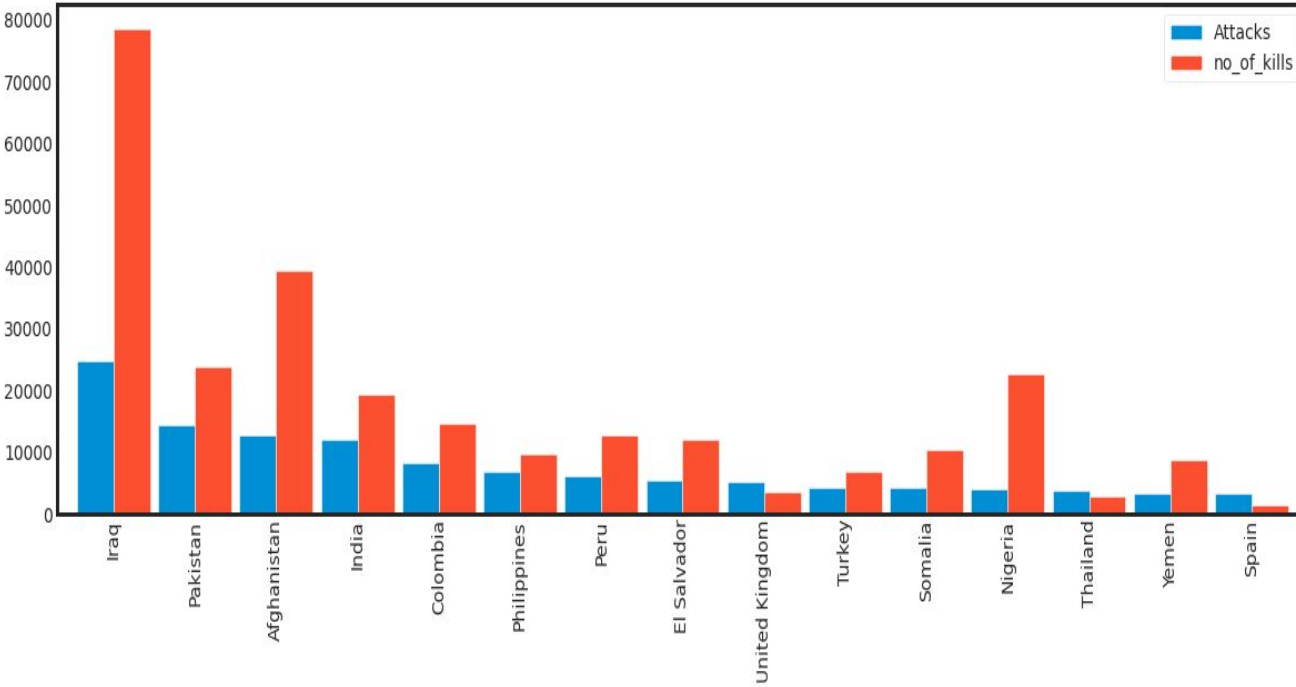
	Region	Total Killed (a)	Group_Name	#total_killed_Group(b)	%Killed (b/a)*100	Country	#kills_Group_Country (c)	% Killed_Country (c/b)*100
0	Middle East & North Africa	137642.0	Islamic State of Iraq and the Levant (ISIL)	38654.0	28.1%	Iraq	31058.0	80.3%
1	South Asia	101319.0	Taliban	29407.0	29.0%	Afghanistan	29269.0	99.5%
2	Sub-Saharan Africa	78386.0	Boko Haram	20328.0	25.9%	Nigeria	16917.0	83.2%
3	South America	28849.0	Shining Path (SL)	11601.0	40.2%	Peru	11595.0	99.9%
4	Central America & Caribbean	28708.0	Farabundo Marti National Liberation Front (FMLN)	8065.0	28.1%	El Salvador	8019.0	99.4%
5	Southeast Asia	15637.0	New People's Army (NPA)	4385.0	28.0%	Philippines	4385.0	100.0%
6	Eastern Europe	7415.0	Donetsk People's Republic	1657.0	22.3%	Ukraine	1657.0	100.0%
7	Western Europe	6694.0	Irish Republican Army (IRA)	1804.0	26.9%	United Kingdom	1741.0	96.5%
8	North America	4916.0	Al-Qaida	3001.0	61.0%	United States	3001.0	100.0%
9	East Asia	1152.0	Uighur Separatists	388.0	33.7%	China	388.0	100.0%
10	Central Asia	1000.0	Armenian Guerrillas	97.0	9.7%	Azerbaijan	97.0	100.0%
11	Australasia & Oceania	150.0	Bougainville Revolutionary Army (BRA)	45.0	30.0%	Papua New Guinea	45.0	100.0%

Region



- All regions are highly impacted by Bombing/Explosions, especially South Asia, the Middle East & North Africa.

Country



Attacked and Killed Plot (Top 10 Countries)

Percentage distribution



	Country	Attack Count	% attack	Kill Count	% killed
0	Iraq	24636	13.6%	78589.0	19.1%
1	Pakistan	14368	7.9%	23822.0	5.8%
2	Afghanistan	12731	7.0%	39384.0	9.6%
3	India	11960	6.6%	19341.0	4.7%
4	Colombia	8306	4.6%	14698.0	3.6%
5	Philippines	6908	3.8%	9559.0	2.3%
6	Peru	6096	3.4%	12771.0	3.1%
7	El Salvador	5320	2.9%	12053.0	2.9%
8	United Kingdom	5235	2.9%	3410.0	0.8%
9	Turkey	4292	2.4%	6888.0	1.7%

Country

	Country	success	percentage
0	Iraq	21861	13.5%
1	Pakistan	12600	7.8%
2	Afghanistan	11141	6.9%
3	India	10280	6.4%
4	Colombia	7712	4.8%
5	Philippines	5975	3.7%
6	Peru	5755	3.6%
7	El Salvador	5227	3.2%
8	United Kingdom	4206	2.6%
9	Turkey	3909	2.4%



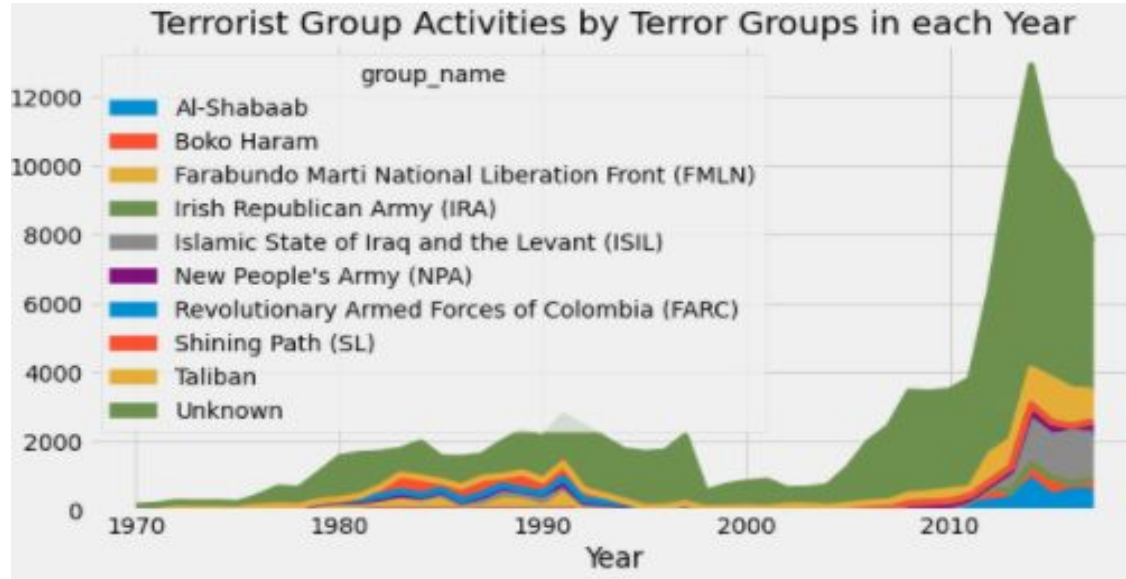
Asia is most affected as the top 4 countries are from Asia.

	Peace Country	Casualties(Killed + Wounded)
0	Vanuatu	0.0
1	Falkland Islands	0.0
2	Iceland	0.0
3	Wallis and Futuna	0.0
4	Seychelles	0.0
5	New Hebrides	0.0
6	Antigua and Barbuda	0.0
7	Andorra	0.0
8	Brunei	1.0
9	Bahamas	1.0



Some peaceful countries to live in.

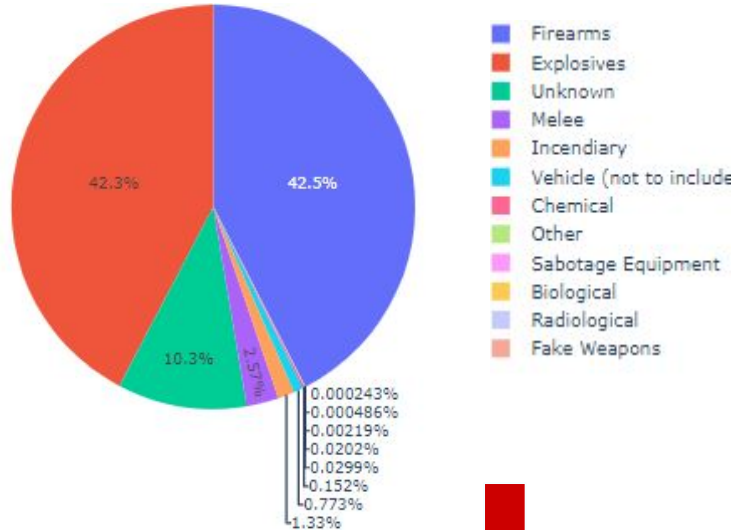
Terror Groups



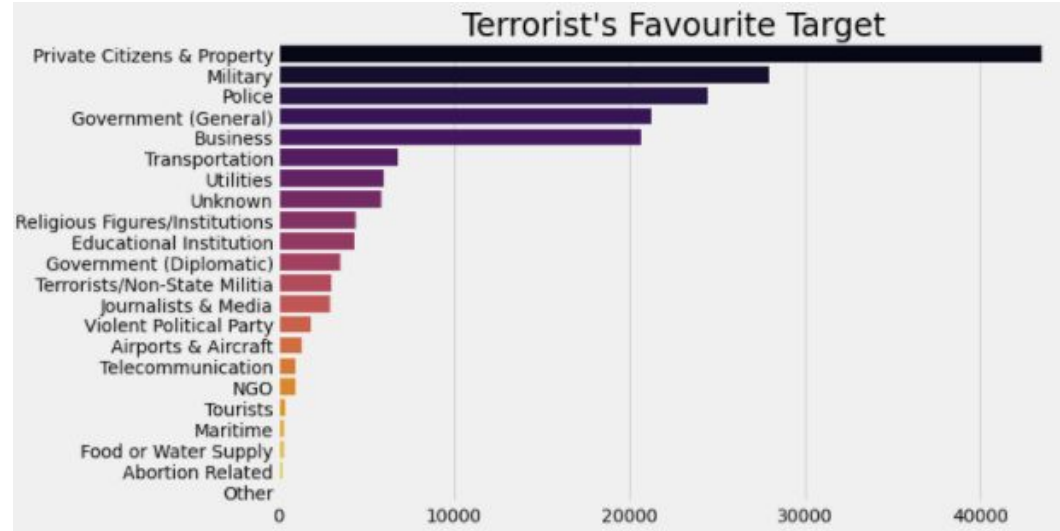
- This gives us a fair idea of the trend. The majority of the attacks are by unknown groups. There might be small militia groups or big groups who have not taken any responsibility for these attacks.
- It can be seen that world order has been disturbed since the late 2000s, which witnessed an exponential increase in the pattern.

Terror Groups

total number of kills by weapon



Explosives are the preferred weapon type of terror groups, used in 50% of attacks.



The above plot shows the favourite target type of the terror groups combined. Sad to know that innocent people are most vulnerable to these terror groups:(

Terror Groups

	group_name	Attack Count	% Attacked	Kill Count	% Killed
0	Taliban	7478	7.6%	29410.0	9.8%
1	Islamic State of Iraq and the Levant (ISIL)	5613	5.7%	38923.0	13.0%
2	Shining Path (SL)	4555	4.6%	11601.0	3.9%
3	Farabundo Marti National Liberation Front (FMLN)	3351	3.4%	8065.0	2.7%
4	Al-Shabaab	3288	3.3%	9330.0	3.1%
5	New People's Army (NPA)	2772	2.8%	4386.0	1.5%
6	Irish Republican Army (IRA)	2671	2.7%	1804.0	0.6%
7	Revolutionary Armed Forces of Colombia (FARC)	2487	2.5%	5661.0	1.9%
8	Boko Haram	2418	2.4%	20328.0	6.8%
9	Kurdistan Workers' Party (PKK)	2310	2.3%	4955.0	1.7%



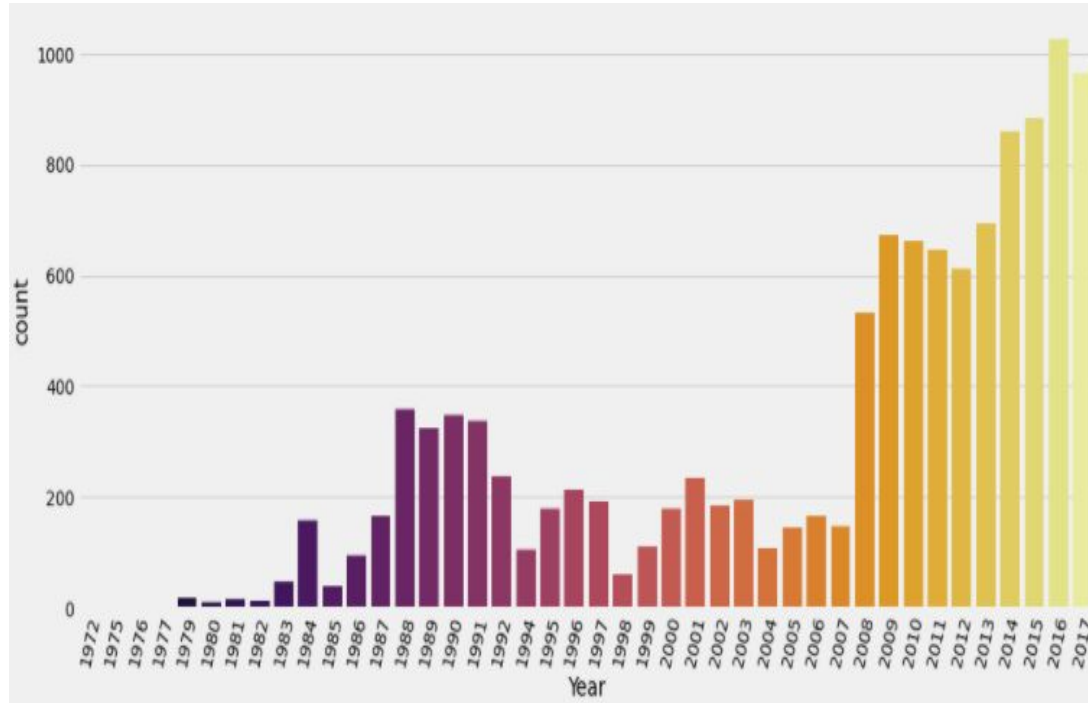
We can see here that the Taliban attacked the most, but the most deadly one was ISIL, with ~10,000 more kills.

	group_name	success	percentage
0	Taliban	6680	7.4%
1	Islamic State of Iraq and the Levant (ISIL)	4759	5.3%
2	Shining Path (SL)	4337	4.8%
3	Farabundo Marti National Liberation Front (FMLN)	3317	3.7%
4	Al-Shabaab	3016	3.4%
5	New People's Army (NPA)	2457	2.7%
6	Revolutionary Armed Forces of Colombia (FARC)	2302	2.6%
7	Irish Republican Army (IRA)	2282	2.5%
8	Boko Haram	2247	2.5%
9	Kurdistan Workers' Party (PKK)	2175	2.4%

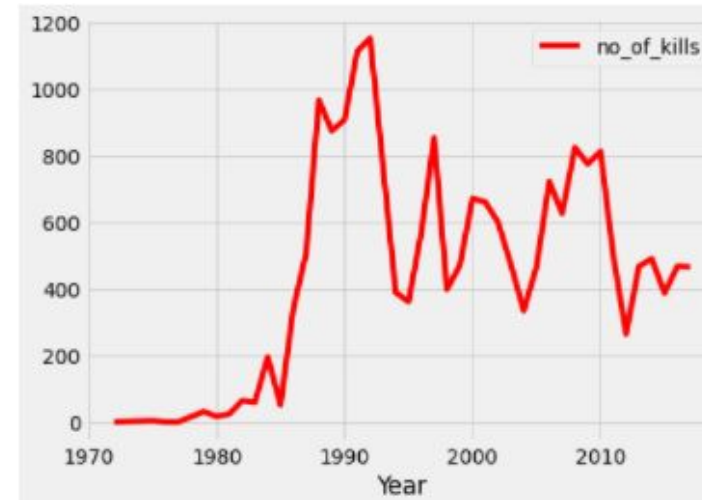


The Taliban organised 7.4% of the total successful attacks in the world, followed by ISIL and Shining Path.

India



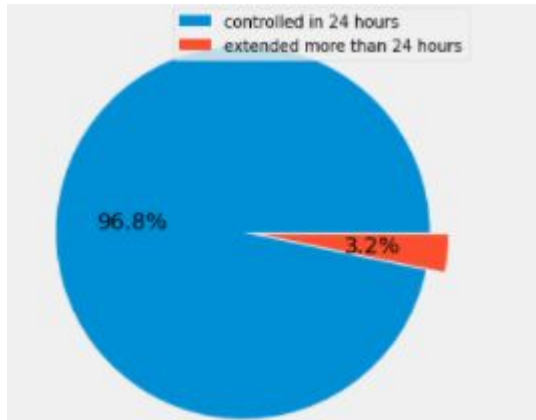
Since 2008, the frequency of attacks has been increasing in fashion. We can recall our 26/11 in 2008. After that incident, there was no slow down in attacks.



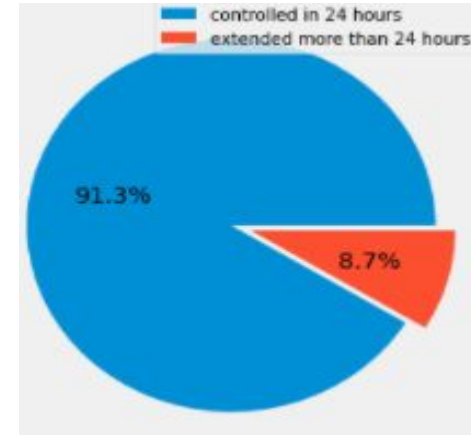
- It is good to know that even if the frequency of attacks has increased since 2008, but no of killed does not follow the same pattern.
- It's possible that the advancement of NSG and the formation of NIA played a significant role in this.

India

Percentage of attacks extended more than 24 hours(1971-2008)

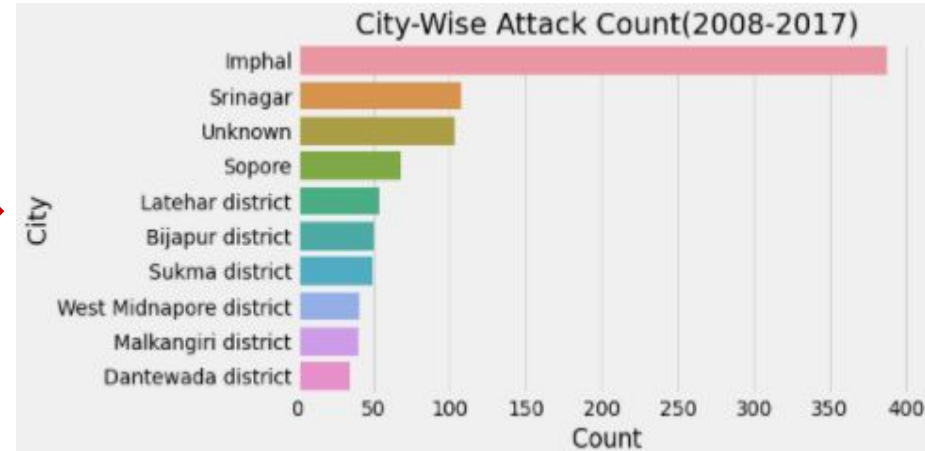
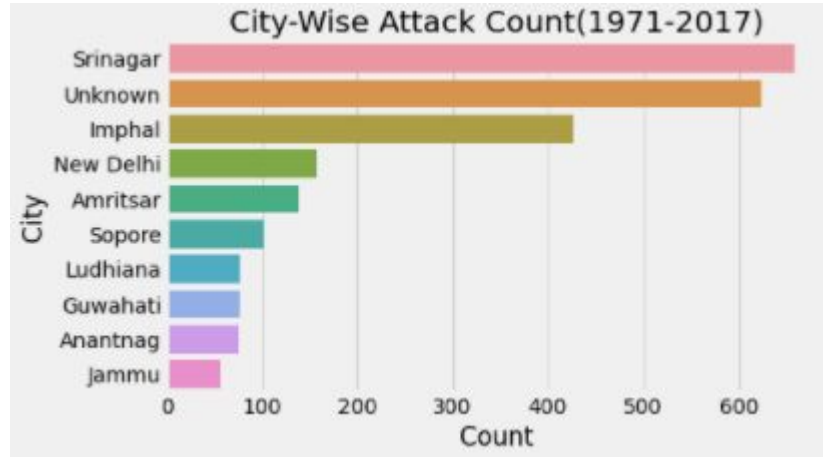


Percentage of attacks extended more than 24 hours(2008-2017)



- Attacks that controlled in 24 hours increased by 2.7 times.

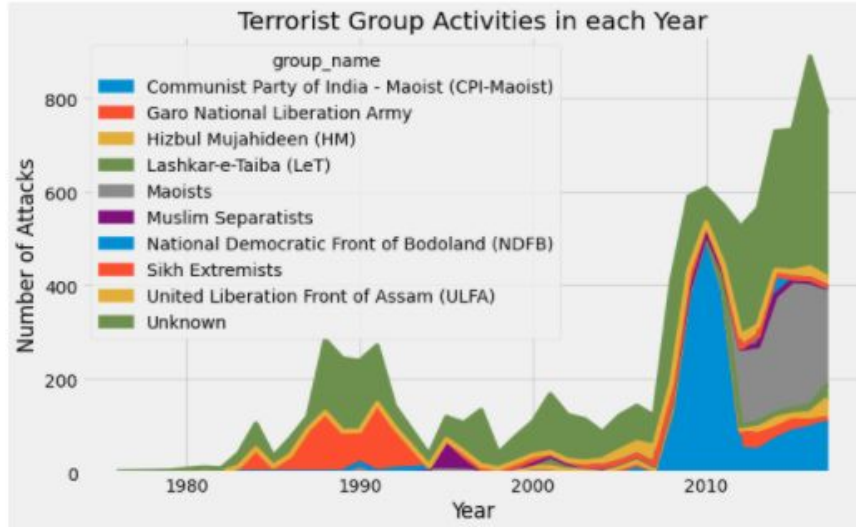
India



- The above plot shows that Srinagar has been the most affected state for the last 40 years. But !!!!

- The plot gives a new image. Since 2008, Imphal has been at the top, with an almost three-fold higher count than Srinagar.

India



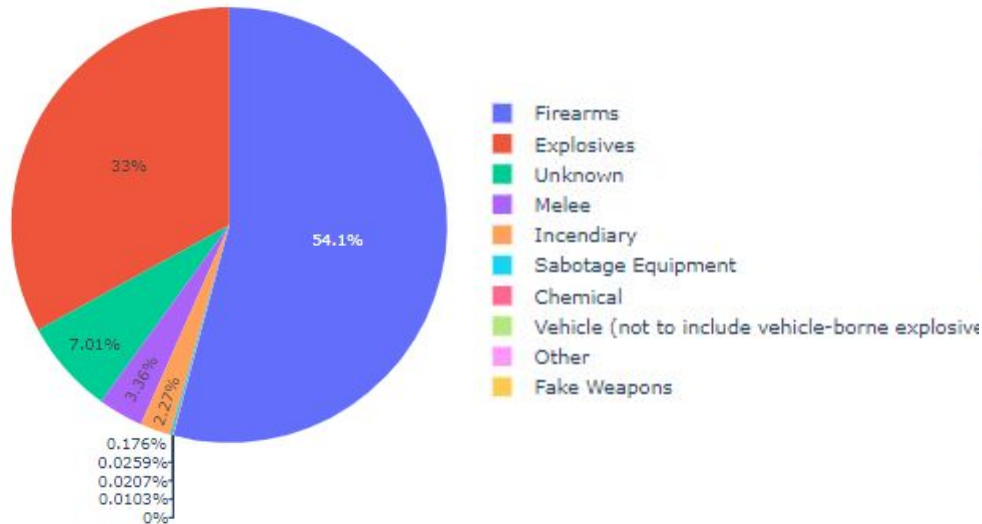
	group_name	Attack Count	% Attacks	no_of_kills	% Kills
0	Communist Party of India - Maoist (CPI-Maoist)	1877	24.4%	2344.0	16.1%
1	Maoists	1396	18.1%	790.0	5.4%
2	Sikh Extremists	710	9.2%	2477.0	17.0%
3	United Liberation Front of Assam (ULFA)	357	4.6%	617.0	4.2%
4	Hizbul Mujahideen (HM)	199	2.6%	409.0	2.8%
5	Lashkar-e-Taiba (LeT)	187	2.4%	969.0	6.6%
6	National Democratic Front of Bodoland (NDFB)	174	2.3%	514.0	3.5%
7	Garo National Liberation Army	166	2.2%	77.0	0.5%
8	Muslim Separatists	118	1.5%	124.0	0.8%
9	People's War Group (PWG)	97	1.3%	410.0	2.8%
10	National Socialist Council of Nagaland-Isak-Mu...	89	1.2%	82.0	0.6%

The demand for a separate state called Bodoland in the late 2000s was responsible for this Blue Mountain.

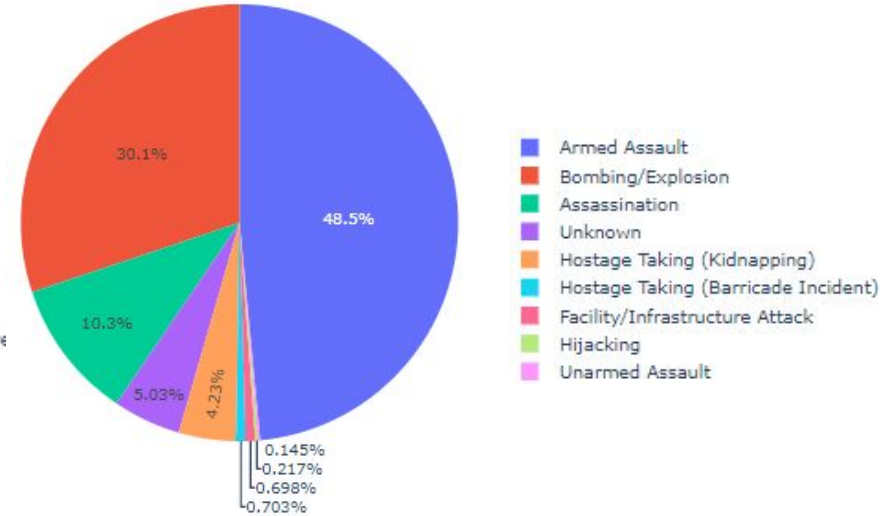
India's internal disturbance has always been more affected by the J&K region and its terror groups like LeT, Hizbul, etc. least from a media point of view. However, reality differs from the narrative, with the CPI leading in attack counts and the Sikh Extremists leading in the number of people killed.

India

total number of kills by weapon



total number of kills by attack type



More than 50% of deaths in India are caused by firearms. Illegal weapons is a major cause of concern and should be worked upon to bring this figure down.

Conclusion

World

1. The regions of the Middle East & North Africa had the highest number of terrorist attacks, totalling 50474.
2. Unknown and Unnamed Cities consisting of Terrorist Attacks totalled at 10209
3. The most well-known city that had terror attacks was Baghdad
4. The most used weapon in terror attacks was explosives, totalling 92426.
5. The most known country with terror attacks was Iraq, with a total of 24636.
6. Out of 181691 total attacks, 3.7% were suicide attacks.
7. The most preferred method of attack was Bombing/Explosion totalling 88255.
8. The main targets of terrorists were Private Citizens & Property totalling 23.9%, while the second was the military, at 15.4%.

India

1. The most well-known city that has had terror attacks is Srinagar
2. The most commonly used weapon in terror attacks was Explosives , totalling 5030
3. The number of terror attacks in India was India , with a total of 11960.
4. Out of 11960 total attacks, 0.5% were suicide attacks.
5. The most preferred method of attack was Bombing/Explosion totalling 4825.
6. The main targets of terrorists were Private Citizens & Property totalling 26.3%, while the second was police, at 19.2%.