

A person wearing a black balaclava and tactical gear is holding a rifle, standing in a city street at night. The background is filled with smoke and fire, suggesting a conflict zone. The overall color palette is dominated by dark blues and greys, with bright orange and yellow highlights from the fire and smoke.

GLOBAL TERRORISM EXPLORATORY DATA ANALYSIS

-BY CHARAN

Point to Discuss



Data summary.

Data cleaning.

Top attacked country, city, region, year, month, Group

Attacks in every year.

Number of kills by different groups.

Kills in every country which is greater than 10,000

Information about AL-QAIDA.

Top 10 dangerous countries

Correlations

Conclusions

DATA SUMMARY/DATA CLEANING

SHAPE OF THE DATA
ROWS-181691
COLUMNS-135

MAX_NULL
Name of columns
which has more
than 10% null values

NULL_PERCENTAGE
Percentage of null
values in each
columns

EASY_DATA
Drop the columns
which has 10% null
values

EASY_DATA
Fully cleaned
dataset

TOP ATTACKED OPERATIONS



COUNTRY WITH MOST ATTACKS – IRAQ

CITY WITH MOST ATTACKS – BAGHDAD

REGION WITH MOST ATTACKS – MIDDLE EAST & NORTH AFRICA

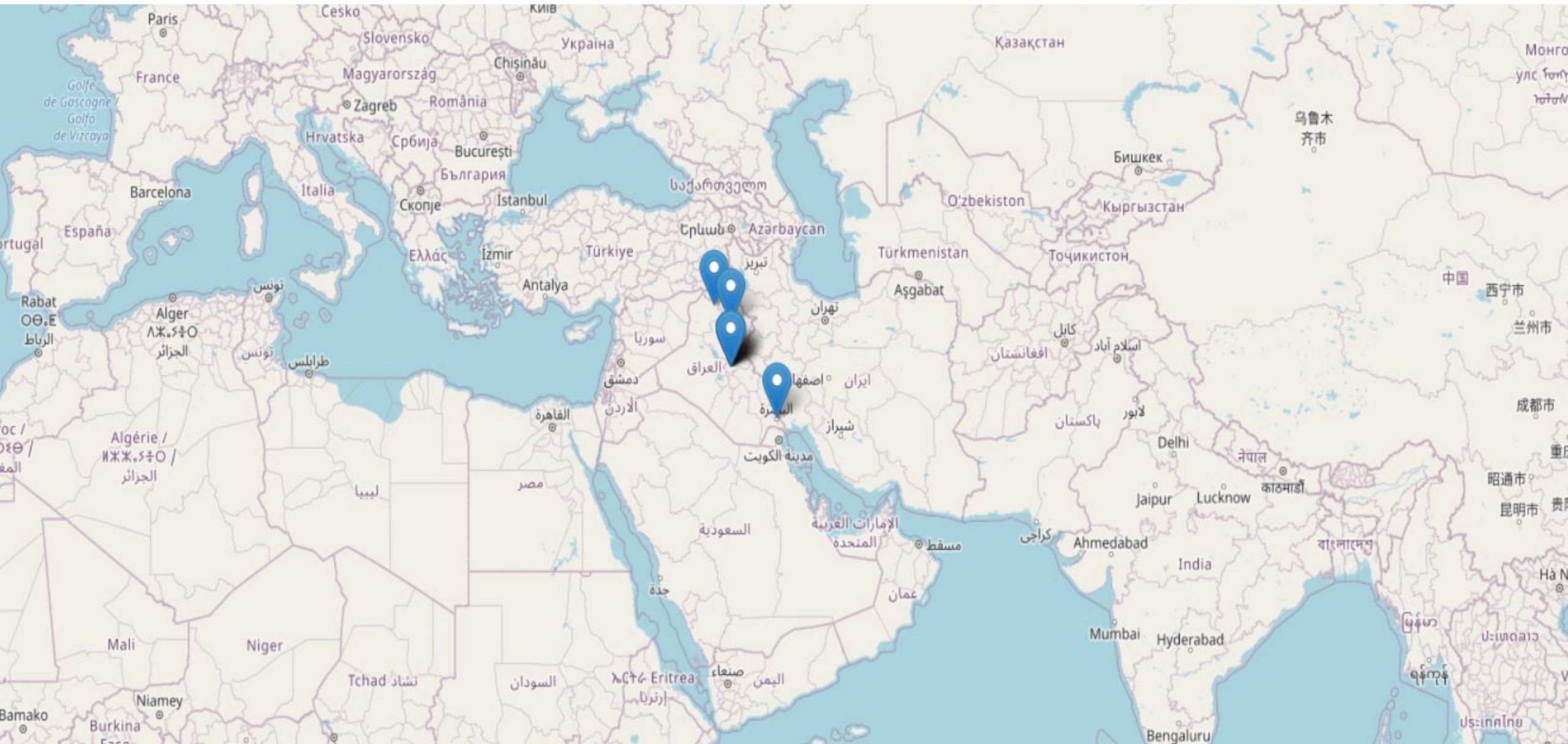
YEAR WITH MOST ATTACKS – 2014

MONTH WITH MOST ATTACKS – 5

GROUP WITH MOST ATTACKS – TALIBAN

MOST ATTACK TYPES – BOMBING/EXPLOSIONS

TOP ATTACKED COUNTRY IN WORLD MAP



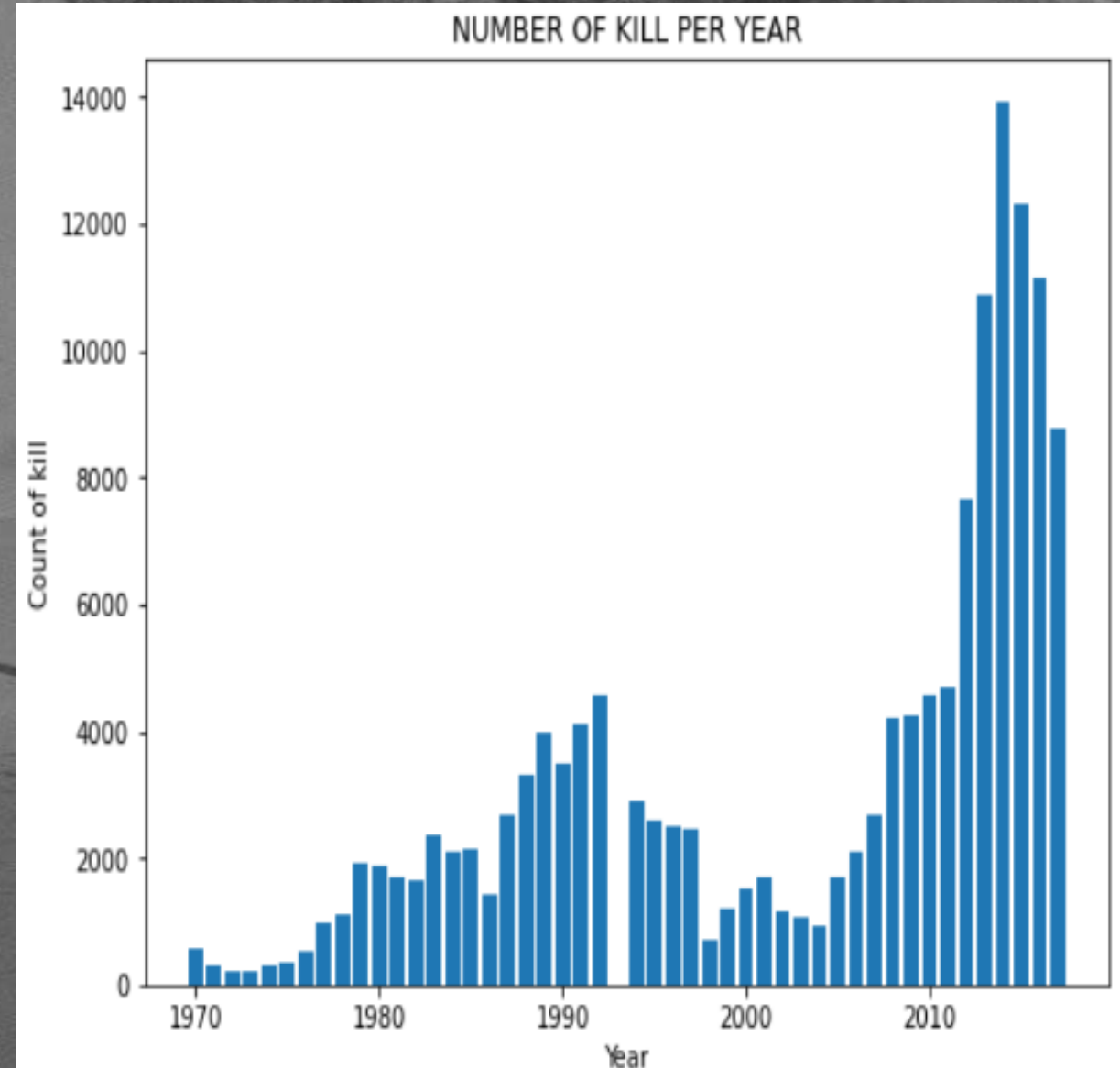
ATTACKS IN EVERY YEAR

From this bar chart, we came to know about the attacks with respect to different years..

We can easily conclude that the most attacks were done in the year 2014..

Here we can clearly see the upward trend of the attacks..

From this we can easily conclude that the terrorist attacks are increasing on a longer run year after year...



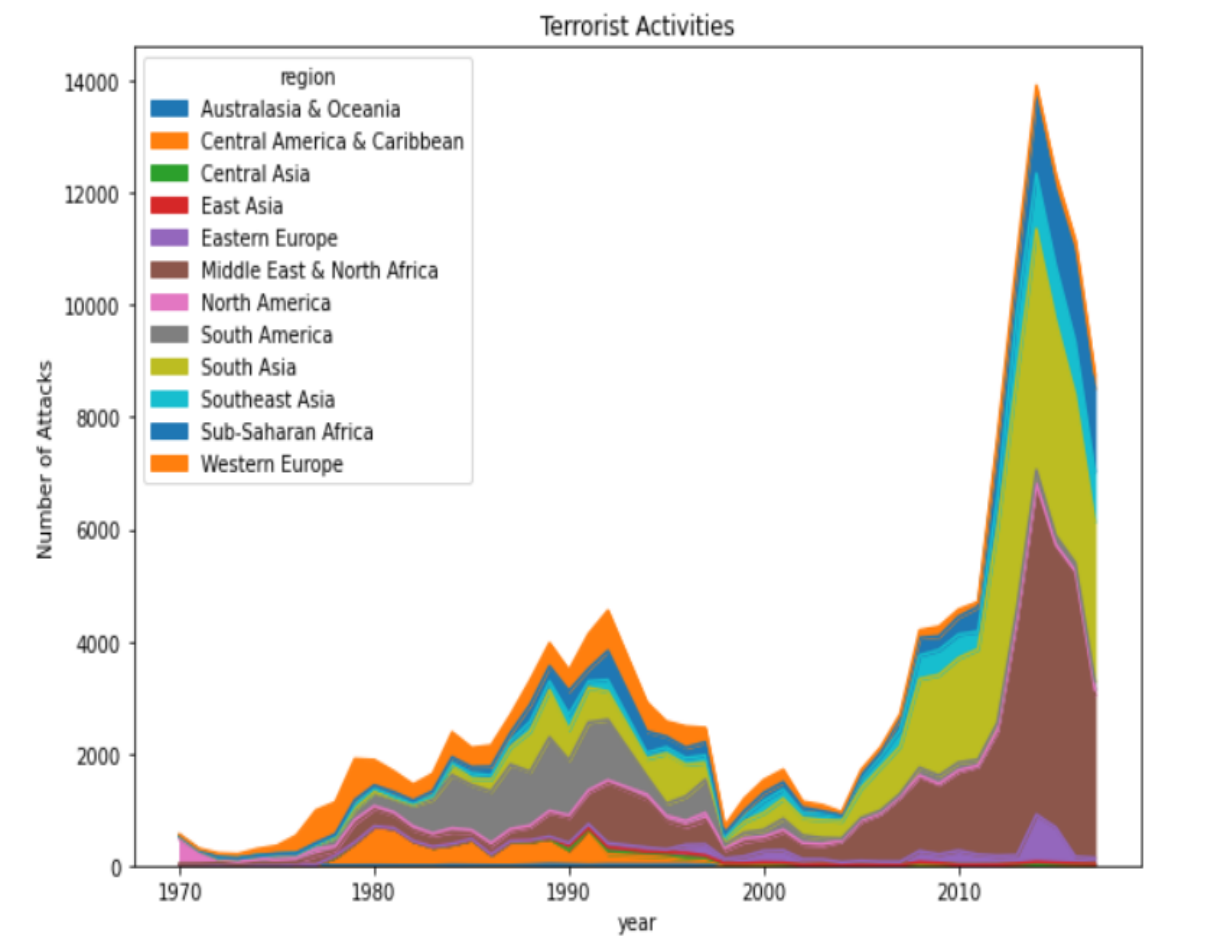
TERRORIST ACTIVITIES (ON REGIONS)

This graph is plotted using area type of graph. It shows the total number of attacks in corresponding years on regions. Most attacks were made in 2014 on Australasia & Oceania.

In the 1970s we can see that most terrorist attacks occurred in Western Europe, and on South America in 1980s. But then there is an overall decline in the number of attacks between the mid-1995 to 2003

Year	Australasia & Oceania	Central America & Caribbean	Central Asia	East Asia	Eastern Europe	Middle East & North Africa	North America	South America	South Asia	Southeast Asia	Sub-Saharan Africa	Western Europe
1970	0	0	0	0	0	0	0	0	0	0	0	~500
1980	0	0	0	0	0	~1000	~1000	~1000	0	0	0	~1000
1990	0	0	0	0	0	~2000	~2000	~2000	0	0	0	~2000
2000	0	0	0	0	0	~1000	~1000	~1000	0	0	0	~1000
2010	0	0	0	0	0	~4000	~4000	~4000	0	0	0	~4000
2014	~1000	~1000	~1000	~1000	~1000	~6000	~1000	~1000	~1000	~1000	~1000	~1000

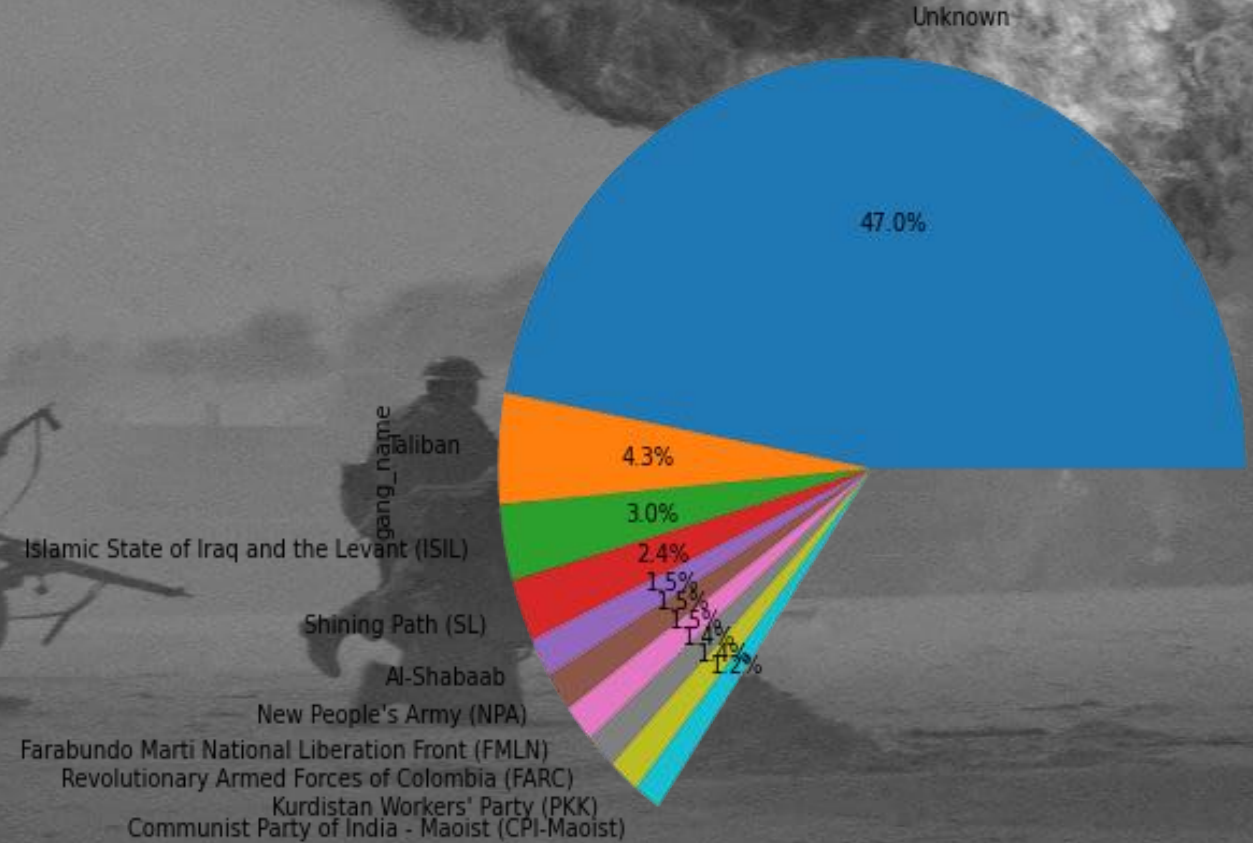
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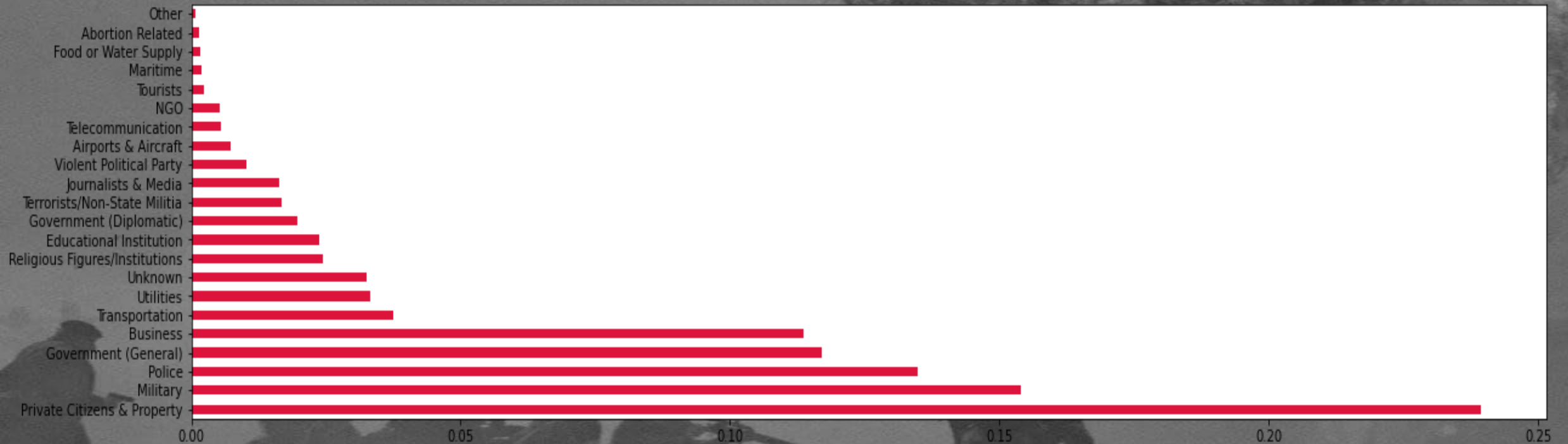
PERCENTAGE OF ATTACKS BY EACH GANG

The above figure is plotted using a pie chart. Which shows the percentage of attacks made by different terrorist groups out of total attacks.

In this maximum attacks are unknown.



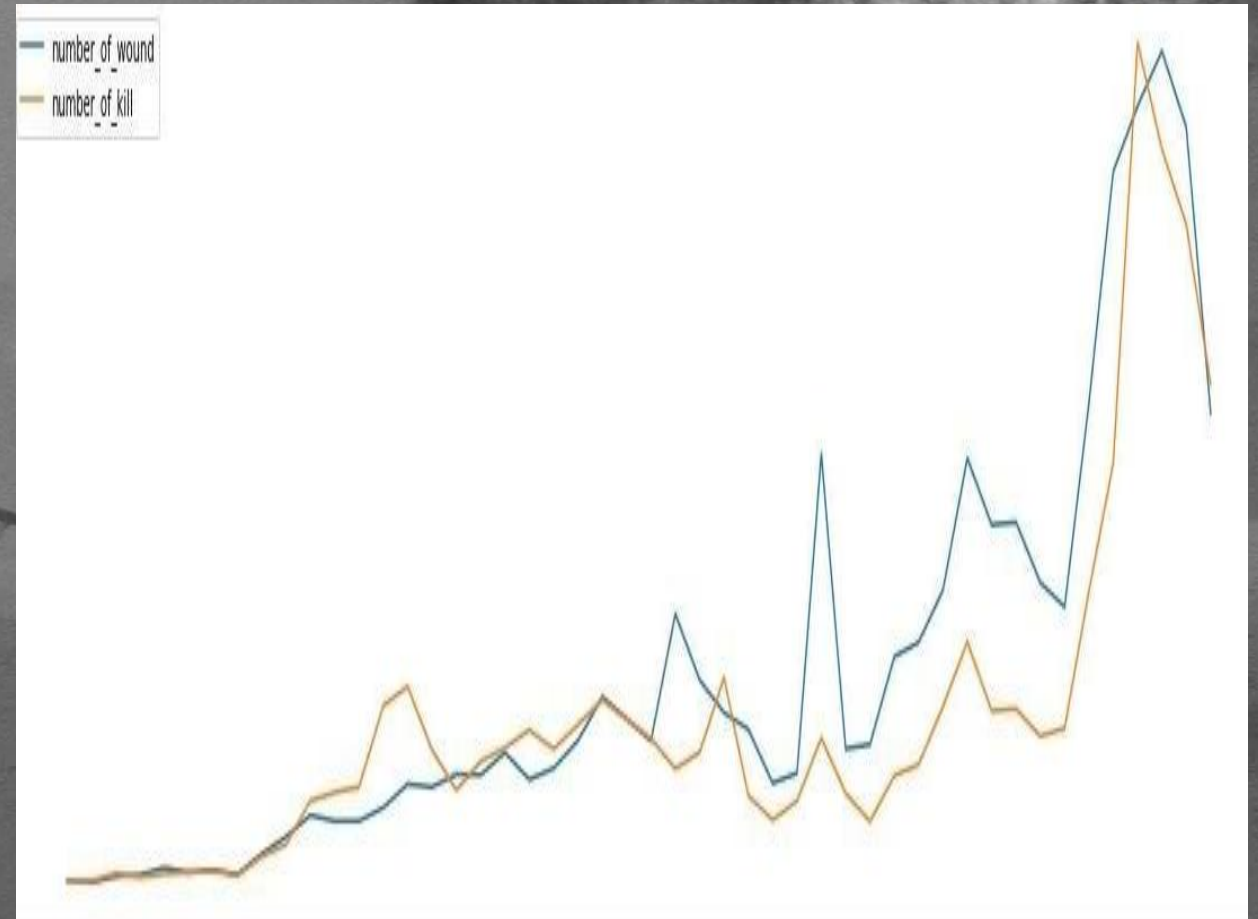
TARGET TYPES



From above graph, which depicts that most of the terrorist gangs targeted the private citizens and property followed by military, police

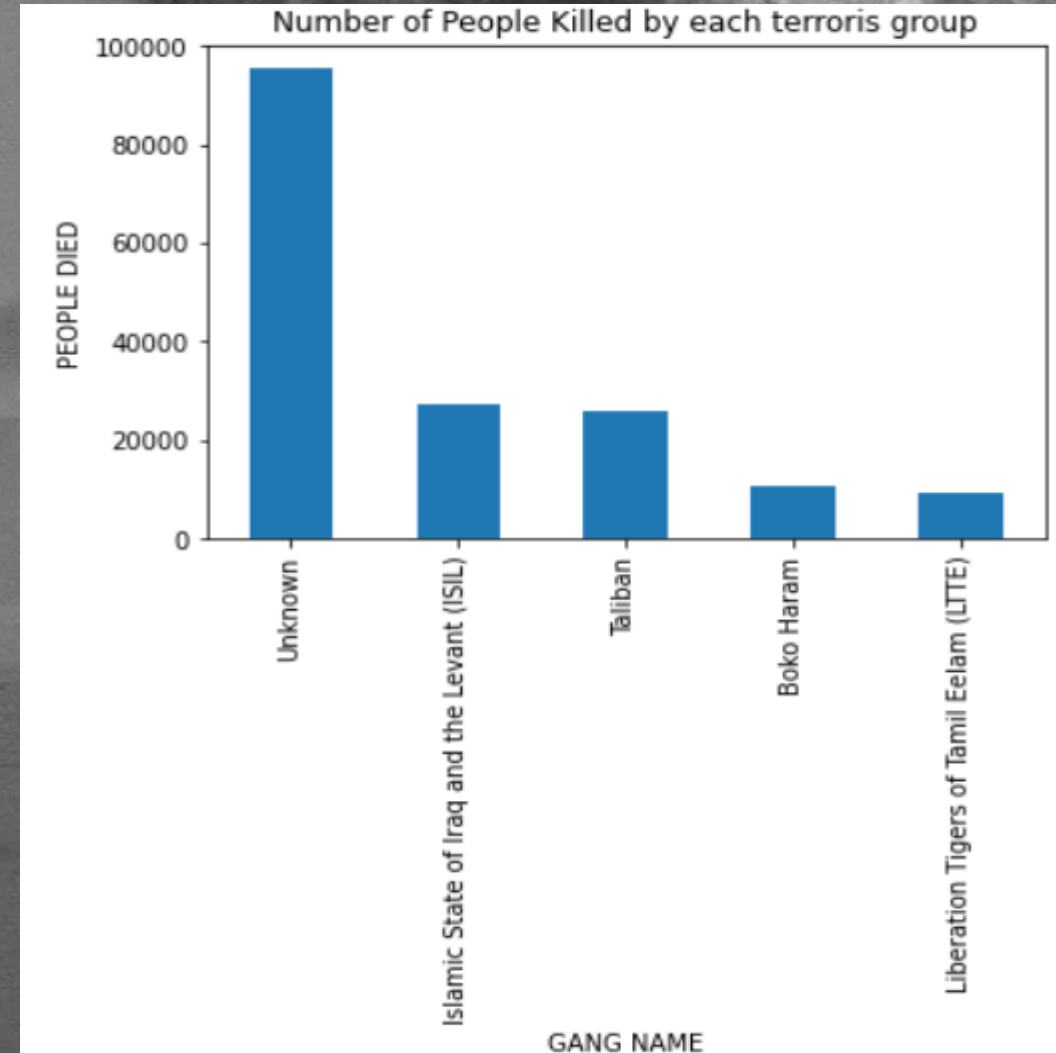
Comparing the Number of kills and number of wounds

This graph shows the comparison of number of kills and number of wounds by different terrorist groups. Here we can easily conclude that the number of people wounded are more than the people killed.



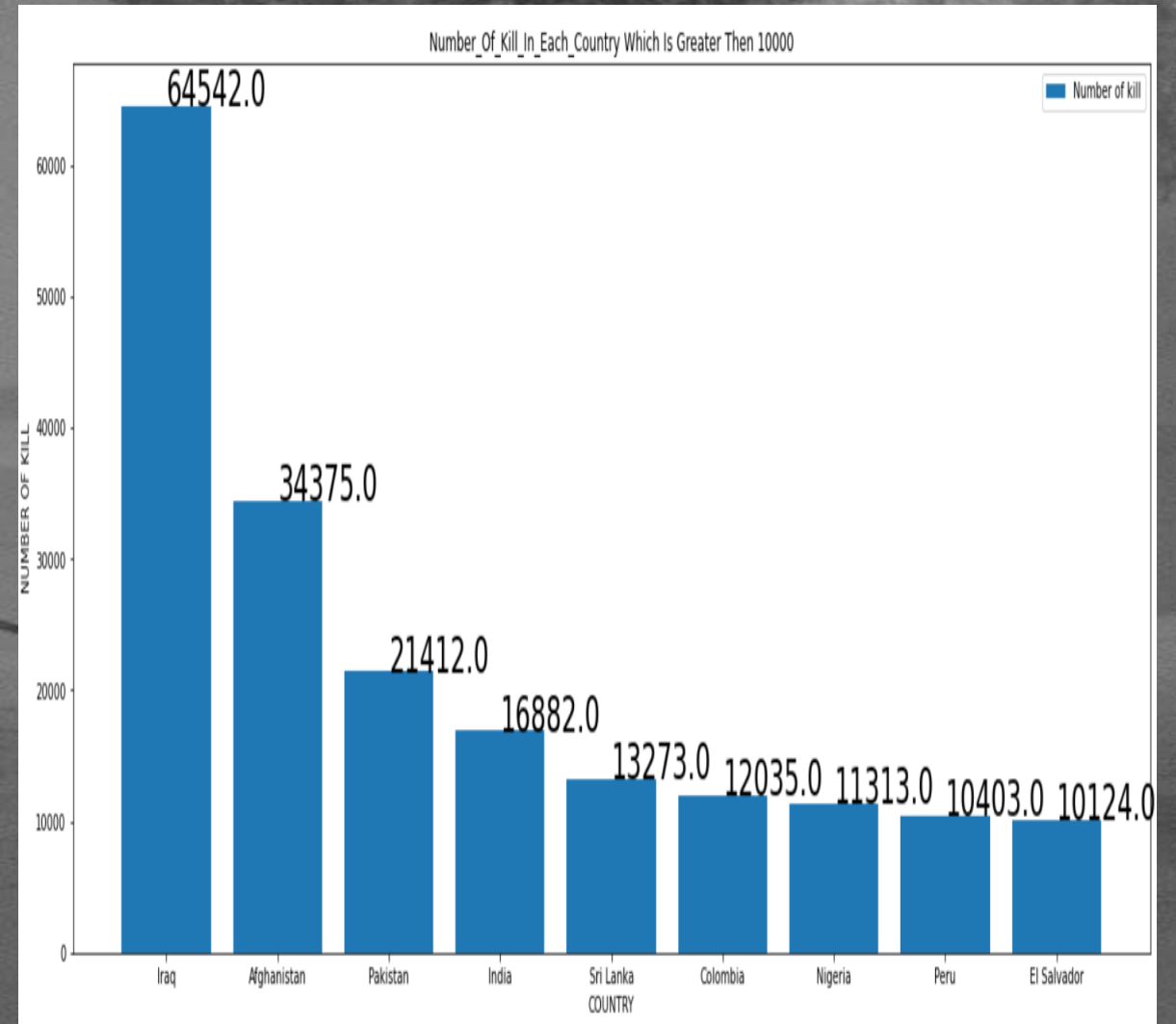
Terrorist group name and number of people killed

From this bar graph ,which shows the number of people killed by different terrorist groups, we can say that most people were killed by terrorists which is unknown followed by ISIL .



KILLS IN EACH COUNTRY WHICH IS GREATER THAN 10000

This bar graph shows us the total number of people killed in the attacks in different countries...
And here we have taken top 10 countries which has death rate above 10000..



AL-QAIDA

AL-QAIDA is one of the most mischievous gang in early 20's and have done so many kills till date, and it mostly used bombing and Explosions for attacking so if we control on the illegal transportation of weapons then we can reduce the attacks.

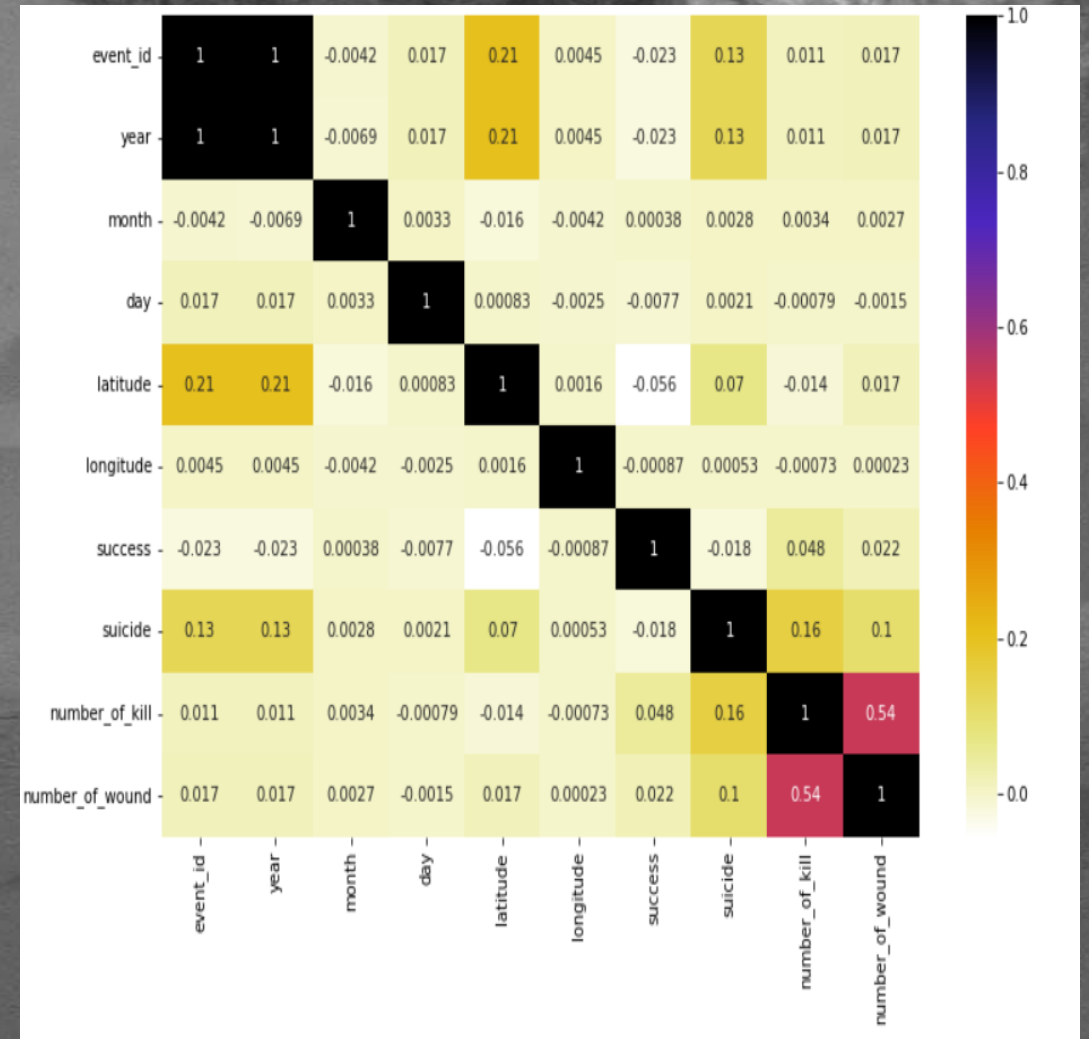
In (2001) there were 2 attacks made by AL-QAIDA on the same day on same place.

so we can say that there was some dispute between USA and AL-QAIDA.

CORRELATIONS

The above heatmap of correlation between the independent variables. The matrix shows the coefficients in the squared form coloured as per the intensity scale. The map has positive covariance as with increase in one variable another is also increasing.

As per the increase in years suicides are also increasing. But with each increase of years number of deaths are intensively growing

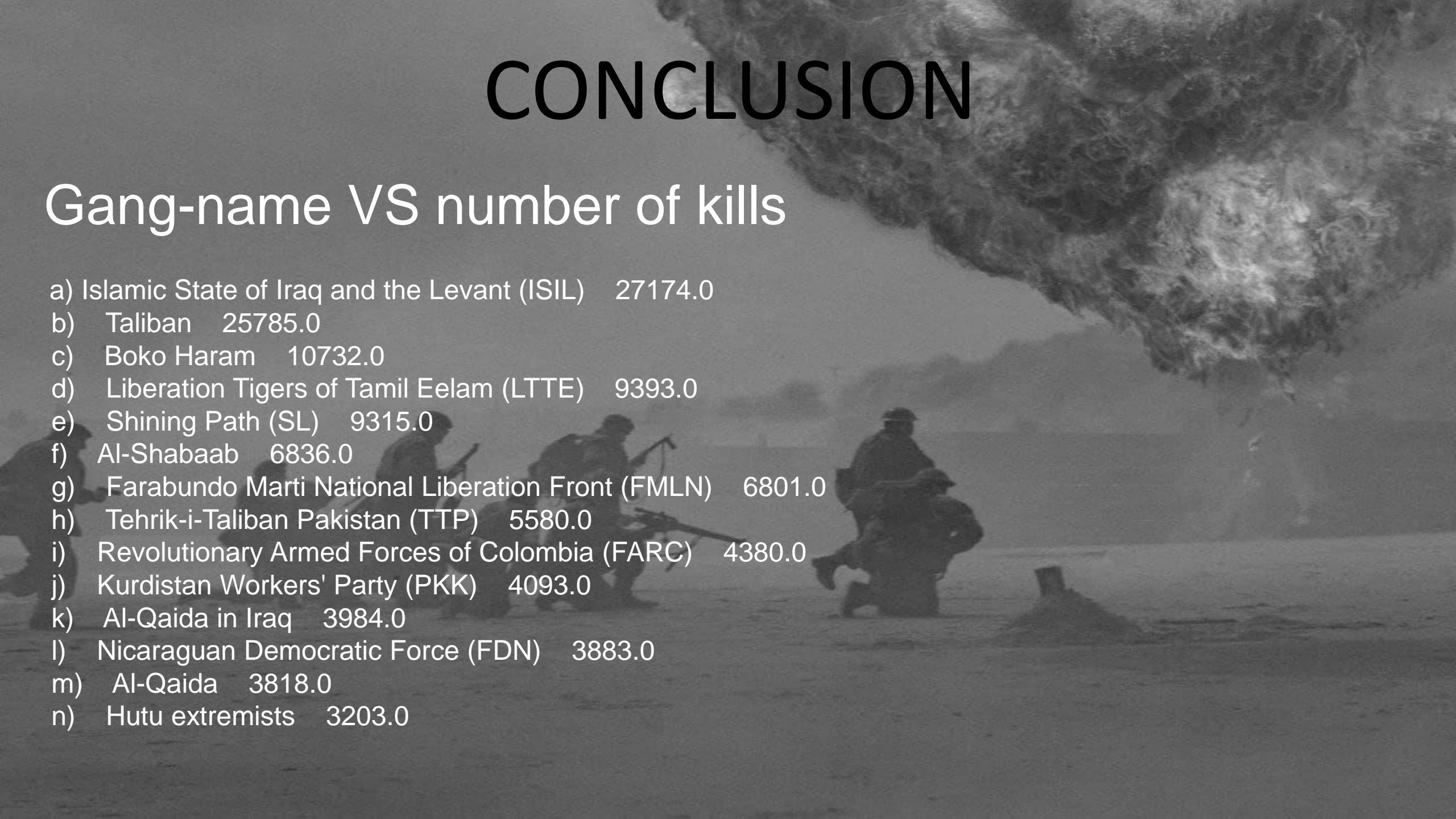


CONCLUSION

1. Country with most attacks: Iraq
2. City with most attacks: Baghdad
3. Region with the most attacks: Middle East & North Africa
4. Year with the most attacks: 2014
5. Month with the most attacks: 5
6. Group with the most attacks: Taliban
7. Most Attack Types: Bombing/Explosion

CONCLUSION

Gang-name VS number of kills

- 
- a) Islamic State of Iraq and the Levant (ISIL) 27174.0
 - b) Taliban 25785.0
 - c) Boko Haram 10732.0
 - d) Liberation Tigers of Tamil Eelam (LTTE) 9393.0
 - e) Shining Path (SL) 9315.0
 - f) Al-Shabaab 6836.0
 - g) Farabundo Marti National Liberation Front (FMLN) 6801.0
 - h) Tehrik-i-Taliban Pakistan (TTP) 5580.0
 - i) Revolutionary Armed Forces of Colombia (FARC) 4380.0
 - j) Kurdistan Workers' Party (PKK) 4093.0
 - k) Al-Qaida in Iraq 3984.0
 - l) Nicaraguan Democratic Force (FDN) 3883.0
 - m) Al-Qaida 3818.0
 - n) Hutu extremists 3203.0

CONCLUSION



1) Maximum human killed by ISIL GROUP

2) country VS Number of kills

- a) Iraq 21510
- b) Pakistan 12756
- c) Afghanistan 10871
- d) India 10491
- e) Colombia 6865
- f) Philippines 5843
- g) Peru 4916
- h) Turkey 3767
- i) El Salvador 3369
- j) Thailand 3346
- k) United Kingdom 3212

CONCLUSION

11. YEAR AND NUMBER OF KILLS (2004-2017)

a) 2004 4523

b) 2005 4876

c) 2006 6249

d) 2007 10340

e) 2008 7937

f) 2009 7428

g) 2010 7414

h) 2011 7528

i) 2012 13654

j) 2013 19717

k) 2014 27234

l) 2015 28402

m) 2016 28937

n) 2017 22745

CONCLUSION

From the analysis, we came to know that attacks slowly started increasing from 1972 until 1993. Then the rise took a great leap from 2011 to 2014 and then slowly decreased. The most attacks were done in May 2014. The country with the most attacks is Iraq. In the 1970s we can see that most terrorist attacks occurred in Western Europe followed by Latin and South America in the 1980s. Most of the terrorist gangs targeted the private citizens and property followed by the military, police and government. In most attacks the weapons used by terrorists were bombing/Explosion followed and armed assault. Maximum terrorist attacks are unknown. These unknown attacks made a huge loss and this is the only reason the attacks consistently kept their track and caused a great human and property loss as they were not recognized. The terrorist group causing most attacks is ISIL as per the records then Taliban.

Our country India was also badly affected by this massacre. Total 10491 people were killed. Whereas Pakistan stands on the second number in the global human loss. 12756 people were killed in these attacks in Pakistan. Whereas in Afghanistan 10871 people were killed. Overall, the middle east area was broadly affected and was looted. Whereas the UK was the safest country.

To get rid of such a huge problem it's very important to understand key factors threshing towards this problem. As it has been a kind of deadlock which is pushing the developing countries down and making them handicapped from standing in the rows of the other developed countries.

THANK
YOU

