



Global Terrorism Exploratory Data Analysis

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Point To Discuss

Data Summary

Data Cleaning

Top attacked in country, city, region, year, month, group

In world Map Top attacked country

Attacks in every year

Terrorist group name and number of killed

Max number of kill in each country which is greater then 200

AL-QAIDA

To check which region is affected by terrorism in each year

Most active gang in recent years

Top 11 most attacked country

Gang which killed most in recent year

Conclusion

Data Summary/Data Cleaning

Shape of data

Rows-181691,
columns- 135

Null_var

percentage of
null values in
each columns

Drop_column

name of coulmns
which is having
more then 10% of
null values

Dropped_df

dropping the coulmns
which is having mo
re then 10% of null
values

Dataset

Fully cleaned
data



Top attacked in country, city, region, year, month, group

Country with most attacks: Iraq

City with most attacks: Baghdad

Region with the most attacks: Middle East & North Africa

Year with the most attacks: 2014

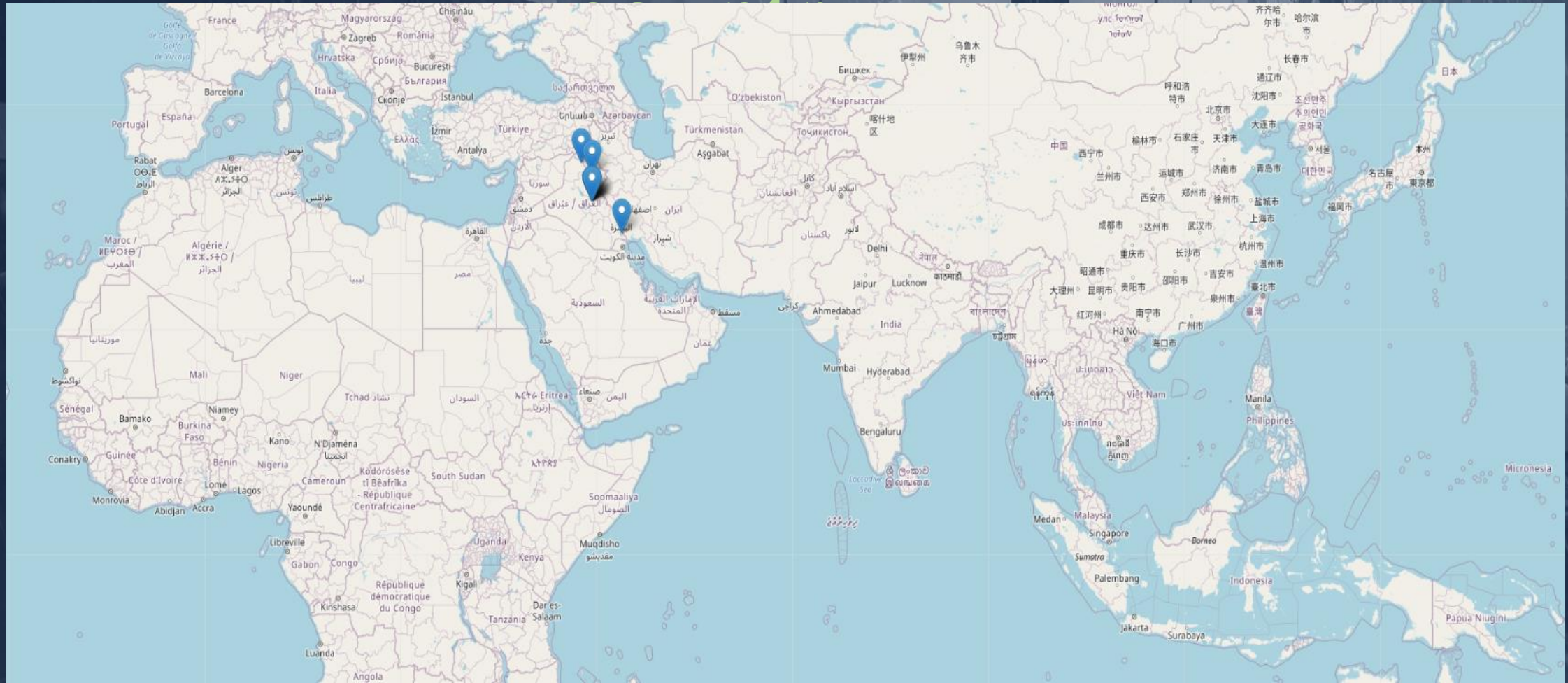
Month with the most attacks: 5

Group with the most attacks: Taliban

Most Attack Types: Bombing/Explosion



In world Map Top attacked

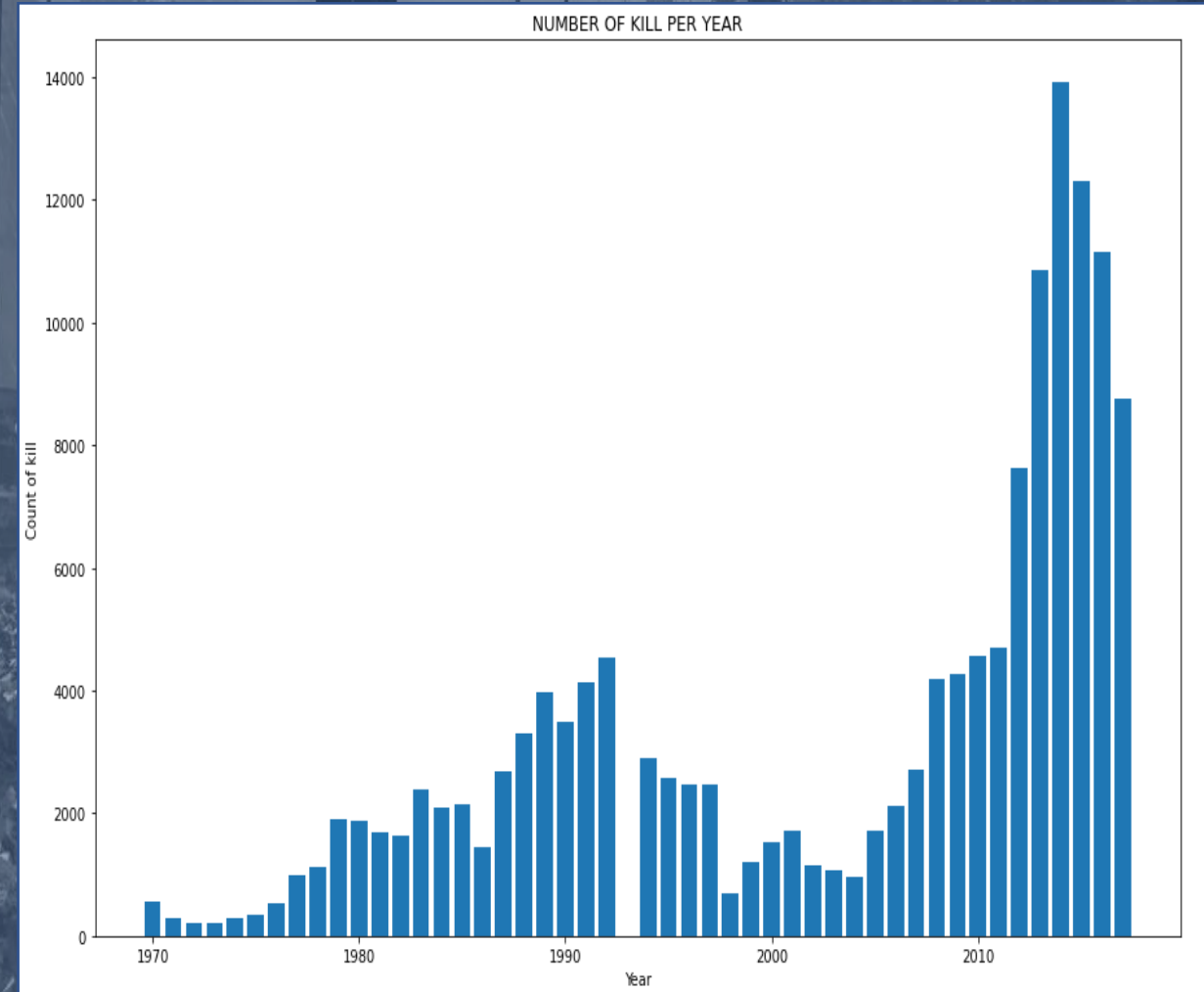


Attacks in every year

From above bar chart, we came to know about the total number of terrorist attacks with respect to different years.

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

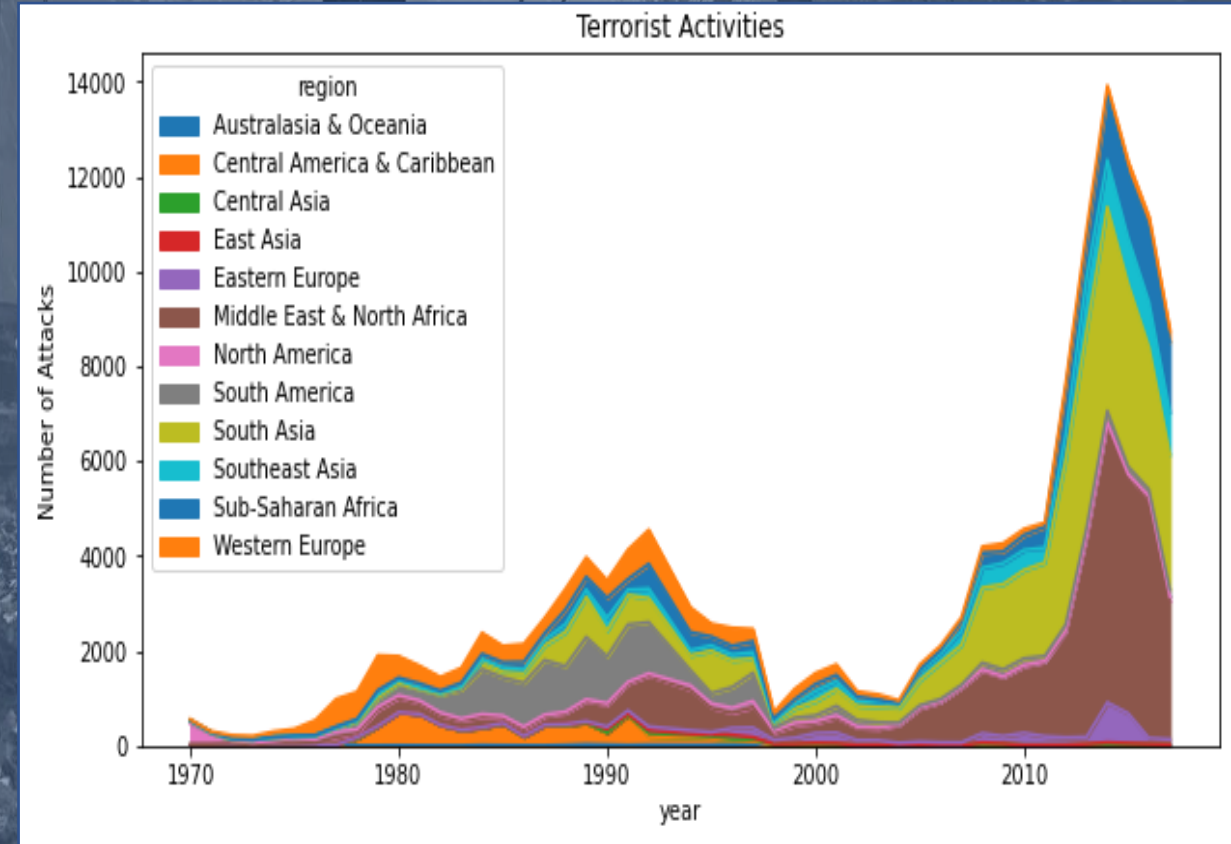
We can see here that attacks slowly start to increase from 1972 until about 1993 where until 2004 we see a downward global trend in Terrorist incidents then after 2014 the terrorist activities starts increasing till 2014 then slowly decreases.



Terrorist Activities (Number of Attacks vs Year)

The above graph is plotted using area type of graph. It showing the total number of attacks in corresponding years and region. Most attacks were made in 2014 on Australasia & Oceania.

In the 1970s we can see that most terrorist attacks occurred in Western Europe, followed by Latin and South America in the 1980s. But then there is an overall decline in the number of attacks between the mid-1990s and 2003.



[illegible]

As we can see in this word cloud diagram that

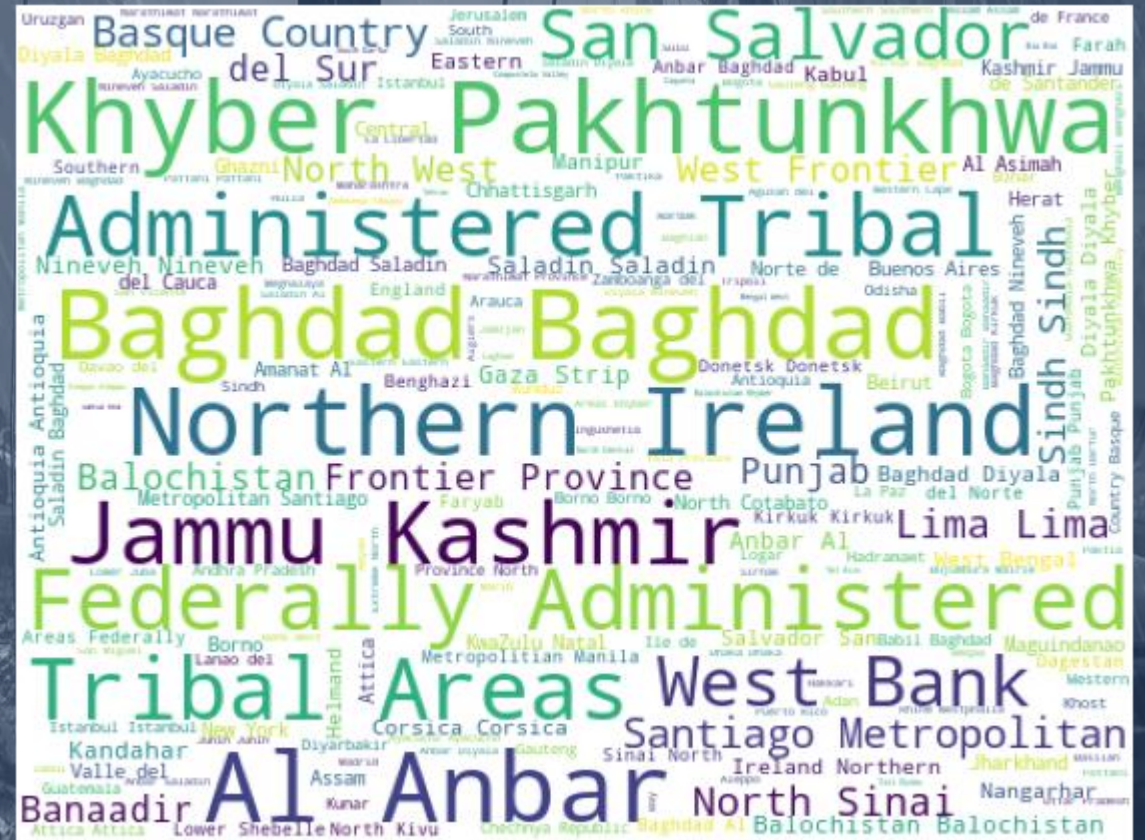
Khyber Pakhtunkhwa

Administered Tribal

Baghdad

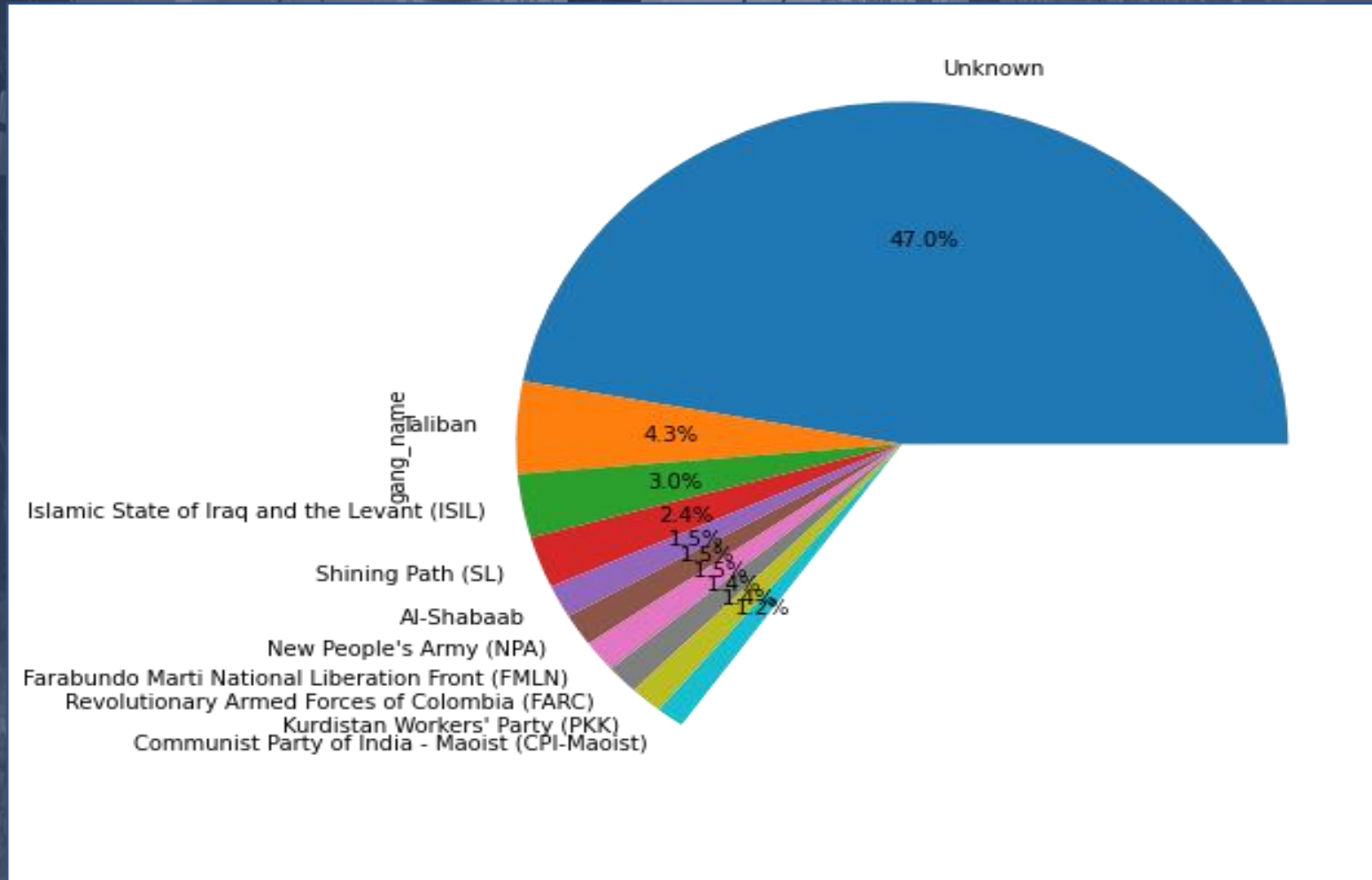
Northern Ireland

Jammu Kashmir



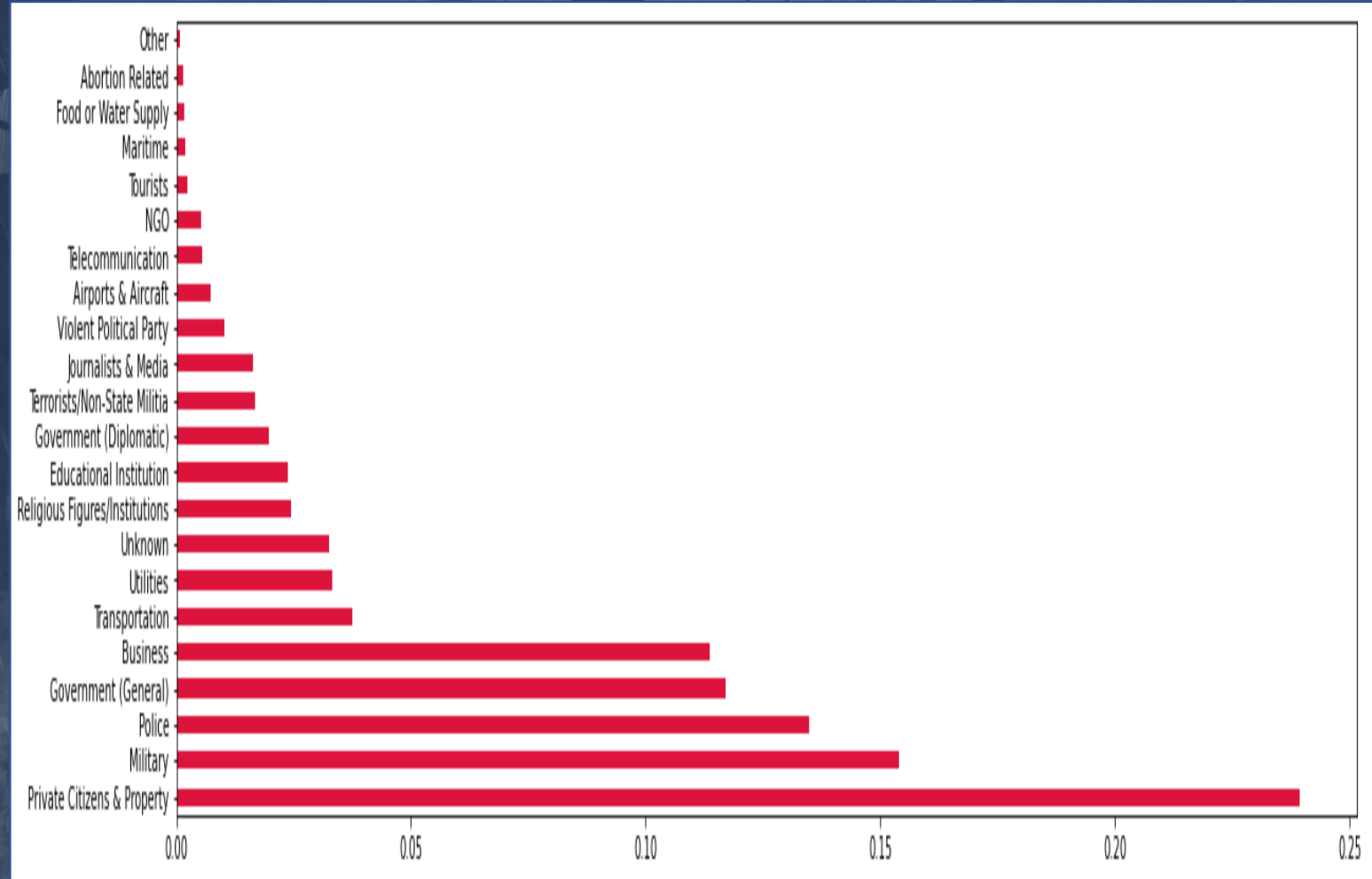
Percentage of attacks by each gangs out of total

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



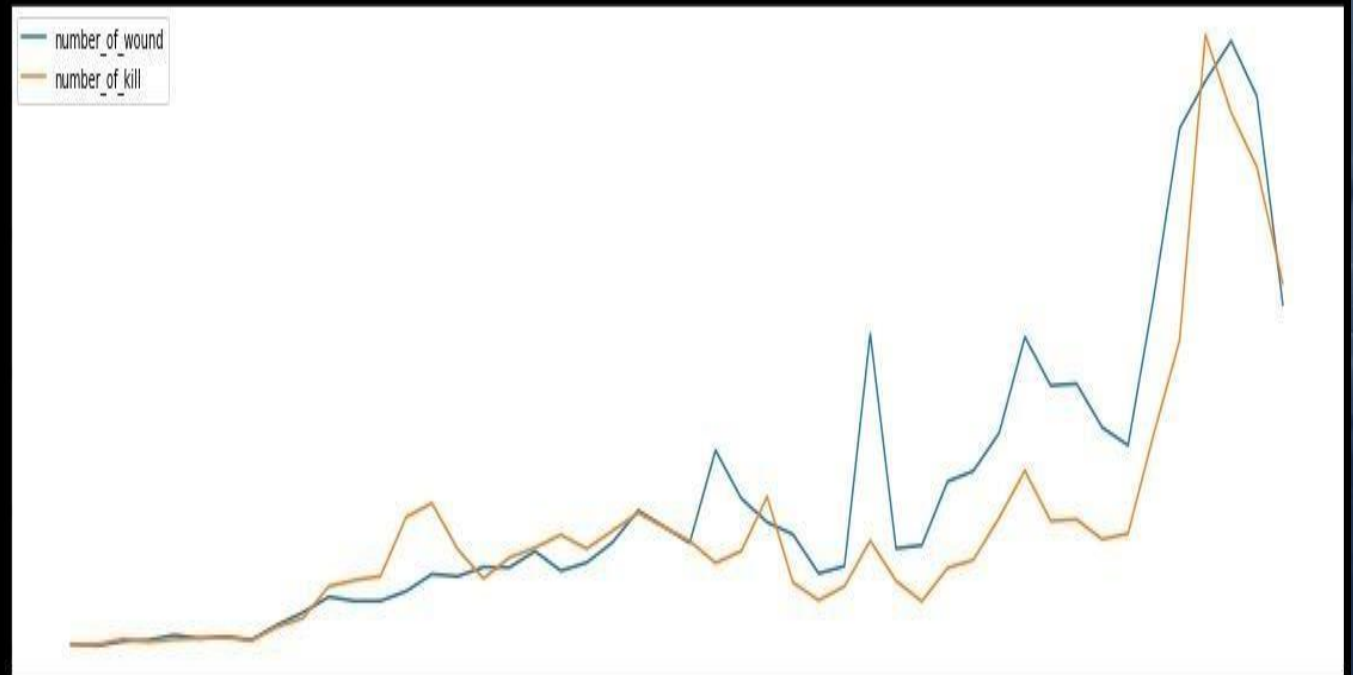
To know the target type of terrorists

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



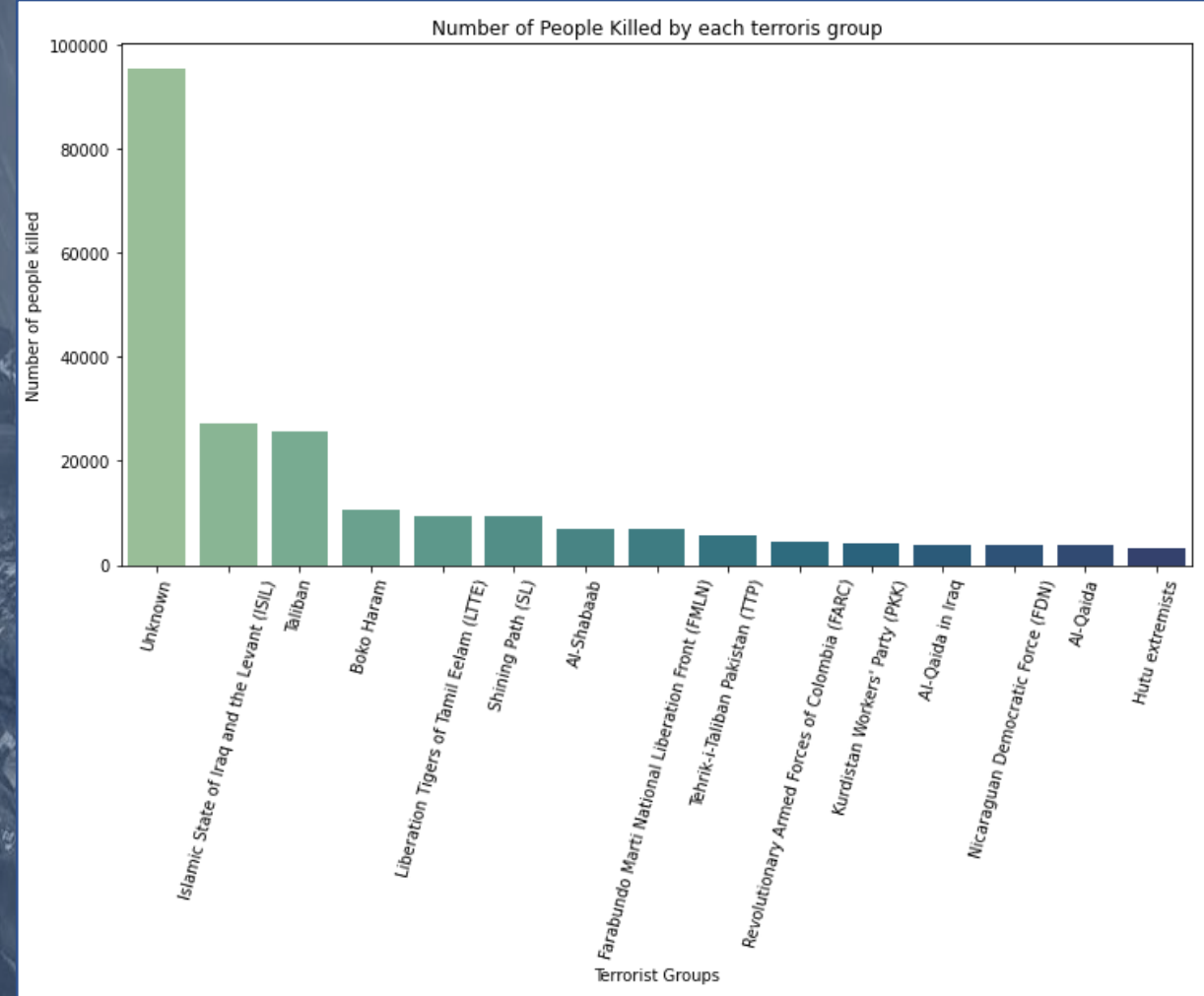
Compare the Number of kills and number of wounds

The above graph shows the number of kills and number of wounds by different terrorist groups. we can also compare the lines and day that number of people wounded more than the people killed.



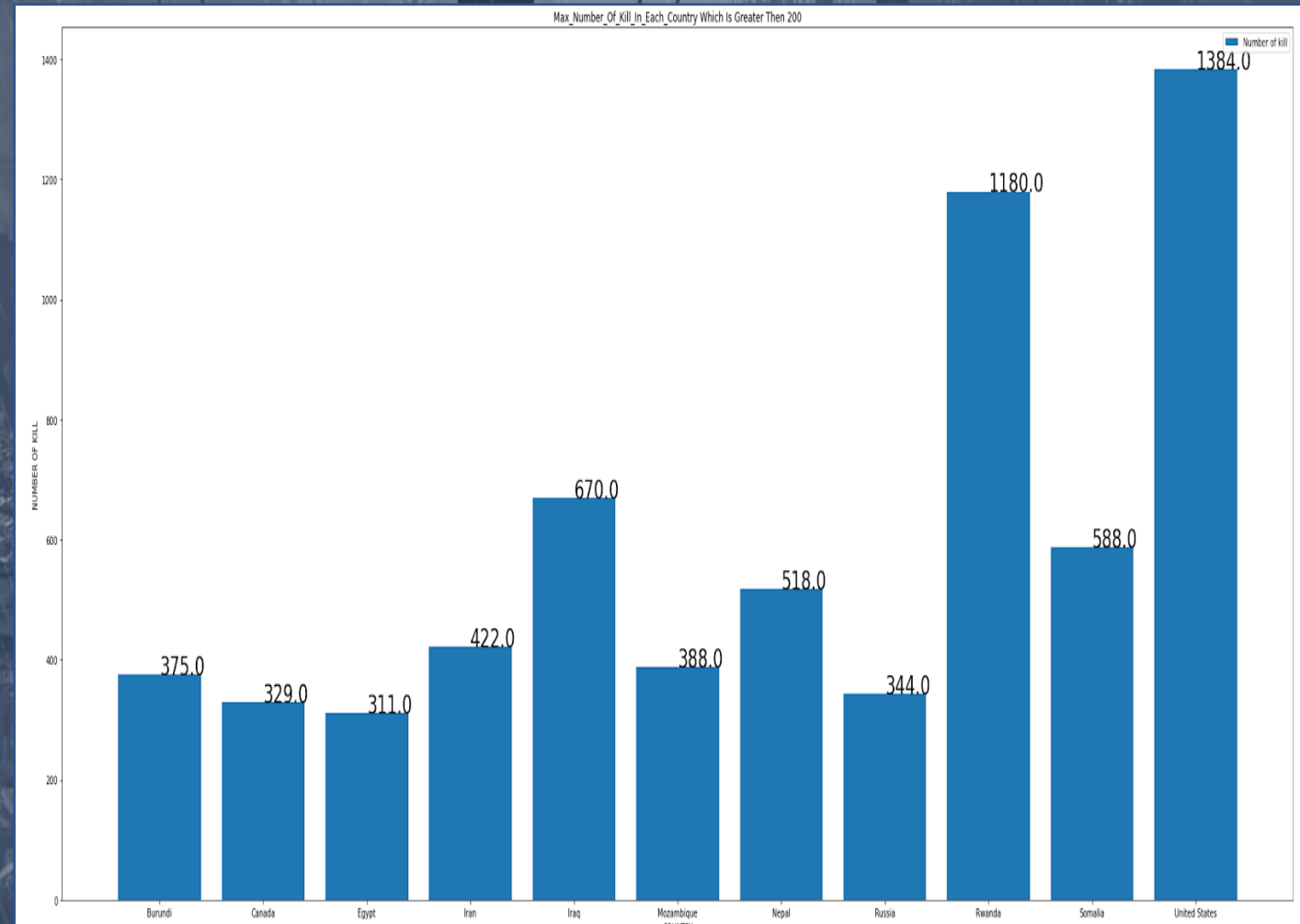
Terrorist group name and number of killed

From the 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 and least number of people killed by Hutu extremists group.



Max number of kill in each country which is greater then 200

The above bar graph, which displaying the total number of people killed in different countries. We can say that most people killed in United States i.e.,1384 people were killed.



AL-QAIDA

AL_qaida Most mischievous gang in early 20's and have done most number kill till date and the weapon used for killing is only two

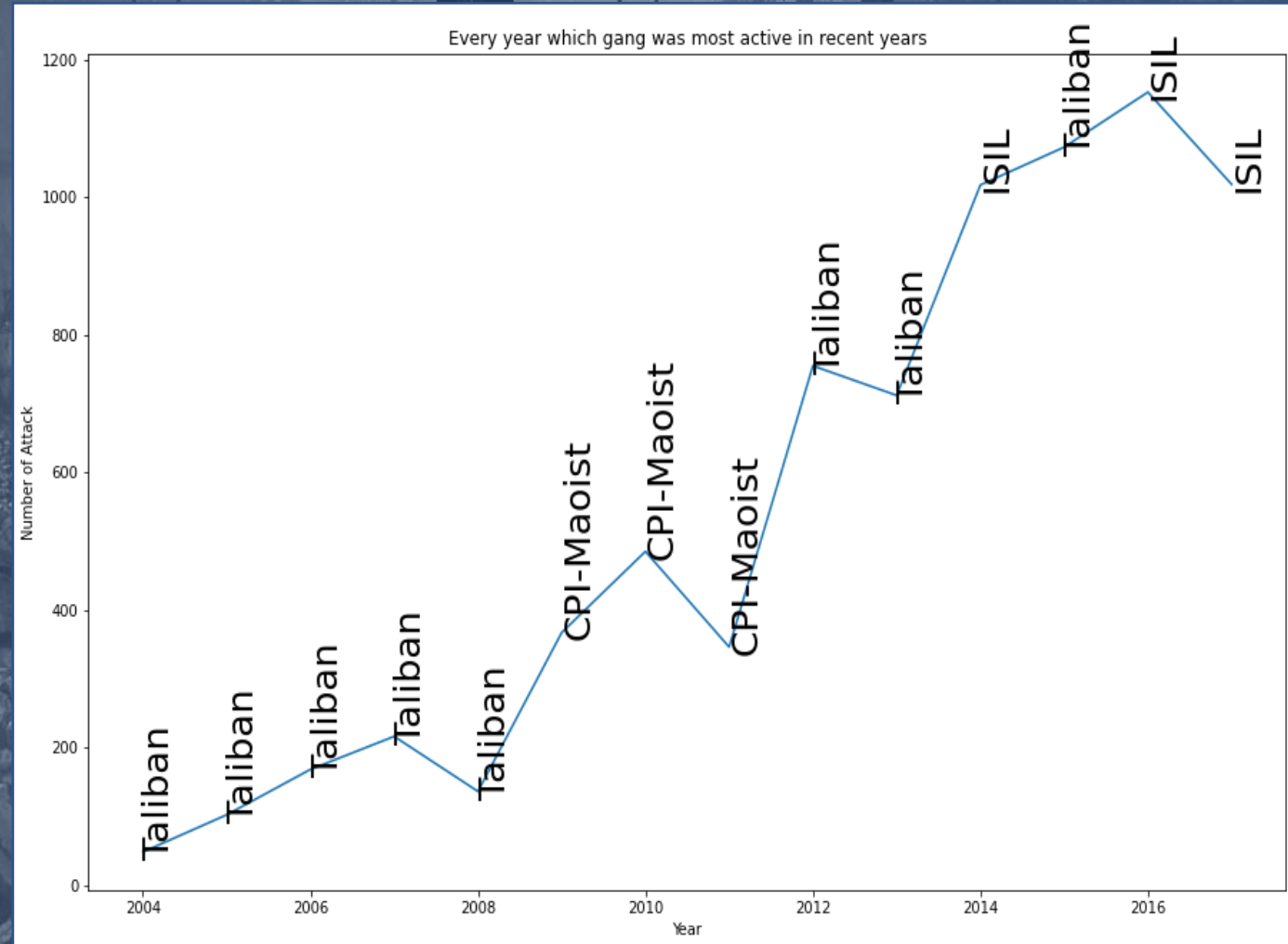
Explosives and vehicle-borne explosive
so if we control on the illegal transportation of weapons then we can reduce

we can see that in only one year (2001) there were 2 attacks on the same day so we can in same country

so we can say that there might be some dispute between USA and Al_Qaida

To check which region is affected by terrorism in each year

From the above graph, Which depicts the total number of attacks by different terrorist groups in respect to different years, we can say the most active terrorist gang.



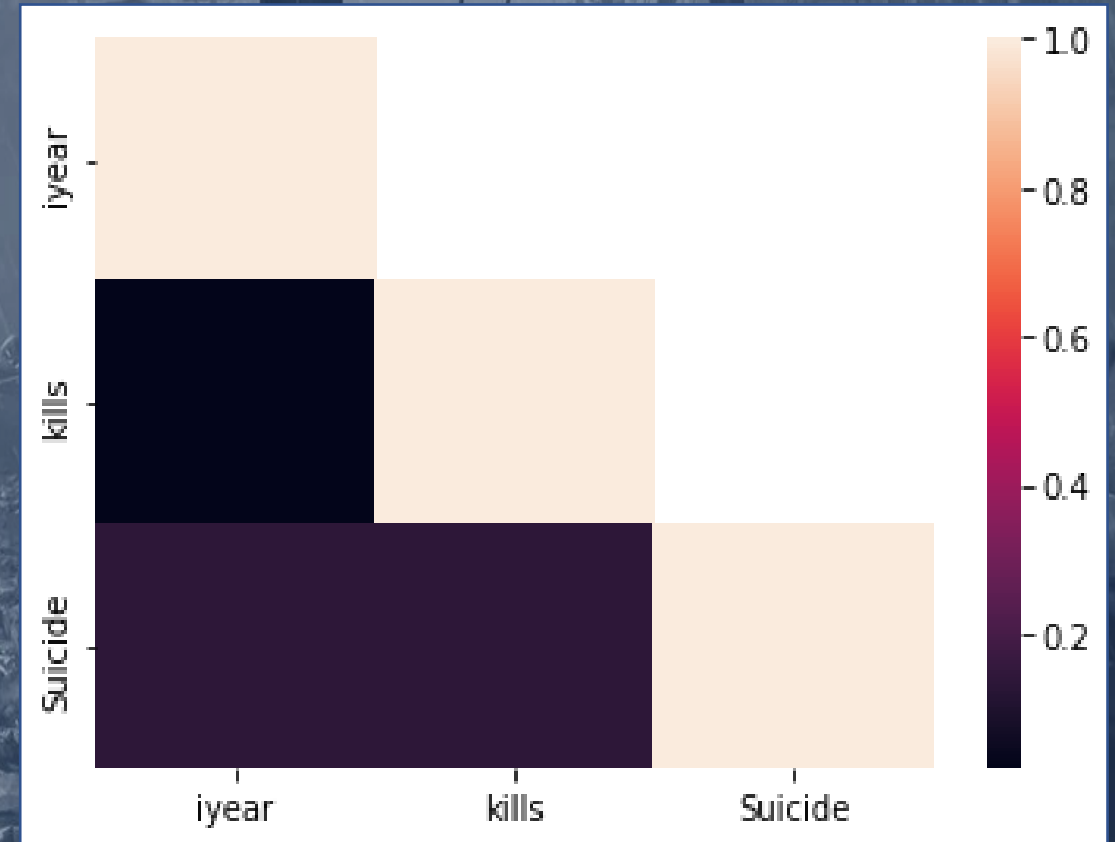
Top 11 most attacked country

Country	Number of kill
Iraq	21510
Pakistan	12756
Afghanistan	10871
India	10491
Colombia	6865
Philippines	5843
Peru	4916
Turkey	3767
El Salvador	3369
Thailand	3346
United Kingdom	3212

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_kill

- 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 Al-Qaida
- 2) In last 20 year Al-Qaida is not active Gang.
- 3) country VS number_of_kill

- 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

From Last 20 Year 3 Gang are active.

- a) Taliban
- b) CPI
- c) ISIL

Conclusion

13.YEAR--GANG-----NUMBER OF MAXIMUM KILL

a) 2004	---Taliban---	48
b) 2005	---Taliban---	102
c) 2006	---Taliban---	168
d) 2007	---Taliban---	216
e) 2008	---Taliban---	136
f) 2009	---CPI-Maoist---	367
g) 2010	---CPI-Maoist---	485
h) 2011	---CPI-Maoist---	346
i) 2012	---Taliban---	755
j) 2013	---Taliban---	712
k) 2014	---ISIL---	1018
l) 2015	---Taliban---	1073
m) 2016	---ISIL---	1153
n) 2017	---ISIL---	1019

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.