Capstone Project-1
Global Terrorism Analysis

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Points of Discussion

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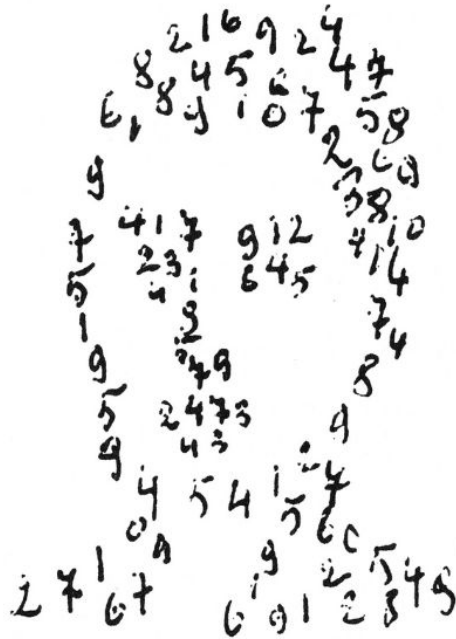11. Final Conclusion

The Problem Statement

We are provided with the Global Terrorism Database (GTD), an open-source database including information on terrorist attacks around the world from 1970 through 2017. The GTD includes systematic data on domestic as well as international terrorist incidents that have occurred during this time period and now includes more than 180,000 attacks. The task is to explore and analyze the data to discover key findings pertaining to terrorist activities.
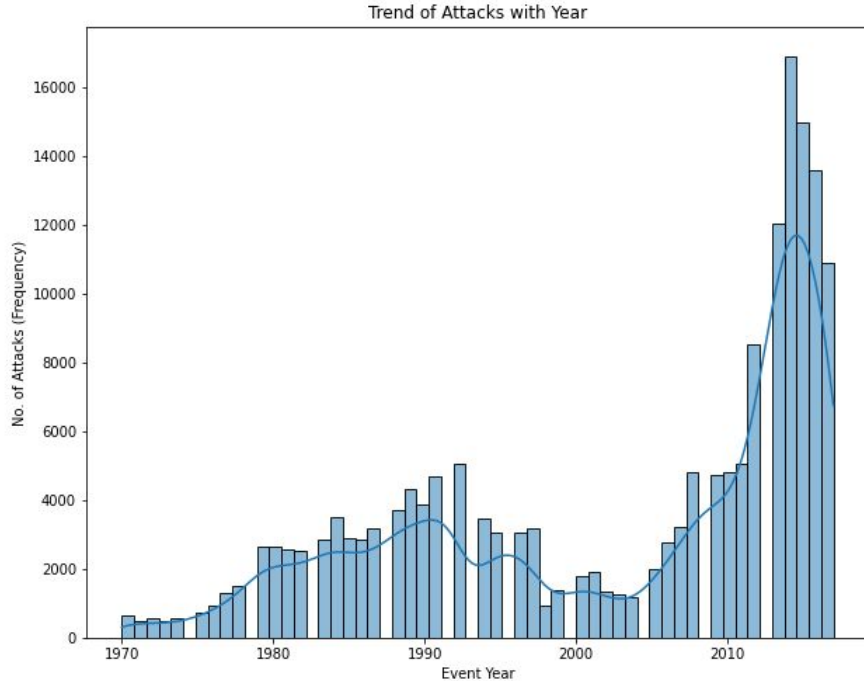
Summary of the Experience Set

Here, the dataset has 1,81,691 rows, means 1,81,691 experiences about worldwide terrorist attacks and

It has 135 columns, means each experience is registered along 135 features or dimensions.
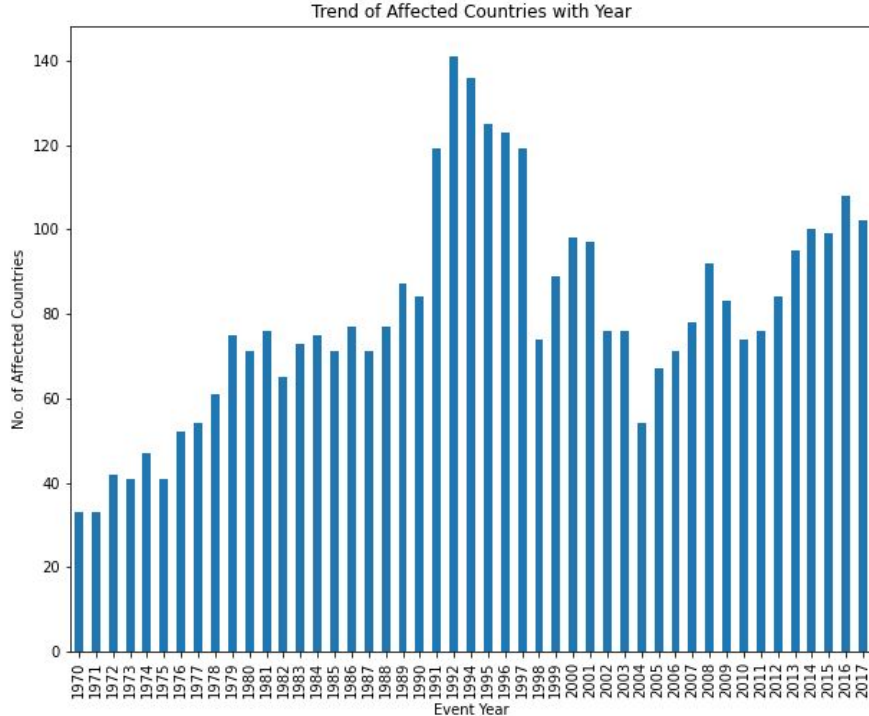
Lets Decode the Experiences !

Trend of Attacks with Year

Trend of Attacks with Year

There is 17 times increase in terrorist attacks from 1970 to 2017 along with a maximum of 26 times increase in 2014.
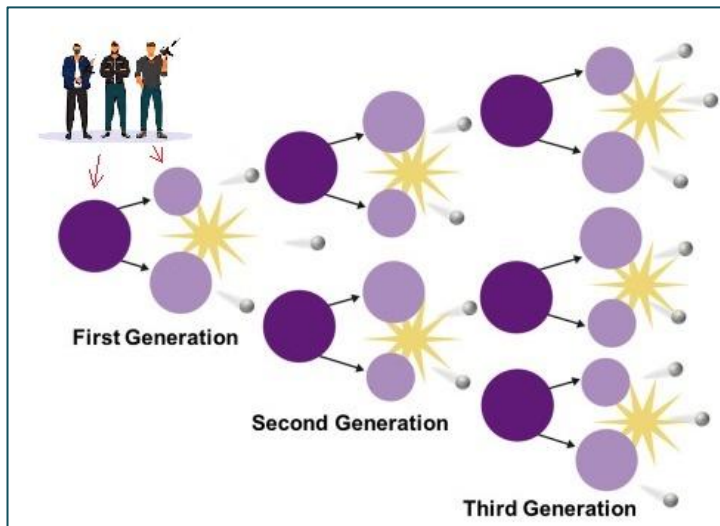
Trend of Affected Countries with Year

Trend of Affected Countries with Year

Number of affected countries increased from 33 to 102 in this 47 years time

Top Five Gang Names

```
Top five gang_name in percentage:
Unknown                                            45.56
Taliban                                             4.12
Islamic State of Iraq and the Levant (ISIL)         3.09
Shining Path (SL)                                   2.51
Farabundo Marti National Liberation Front (FMLN)    1.84
```
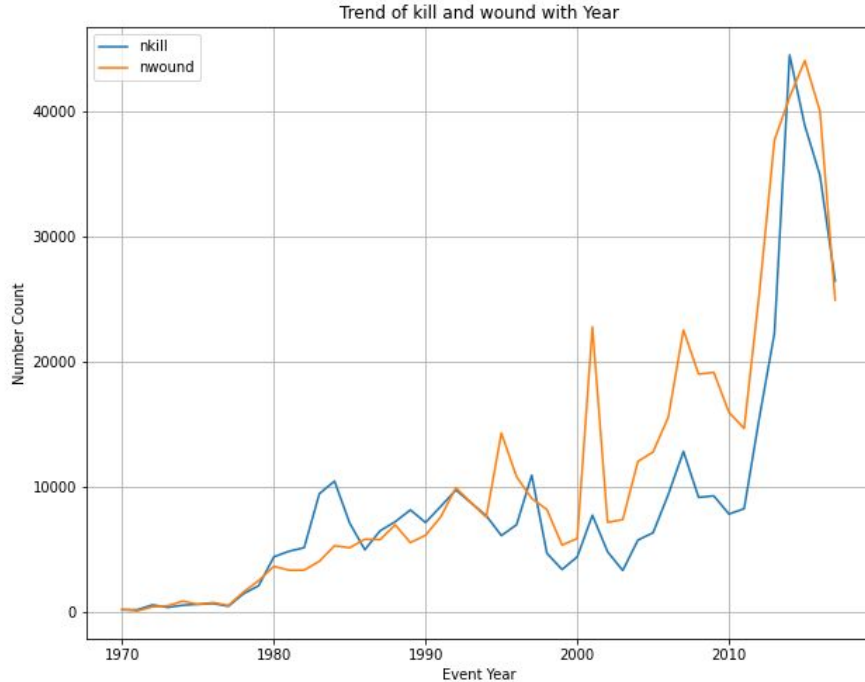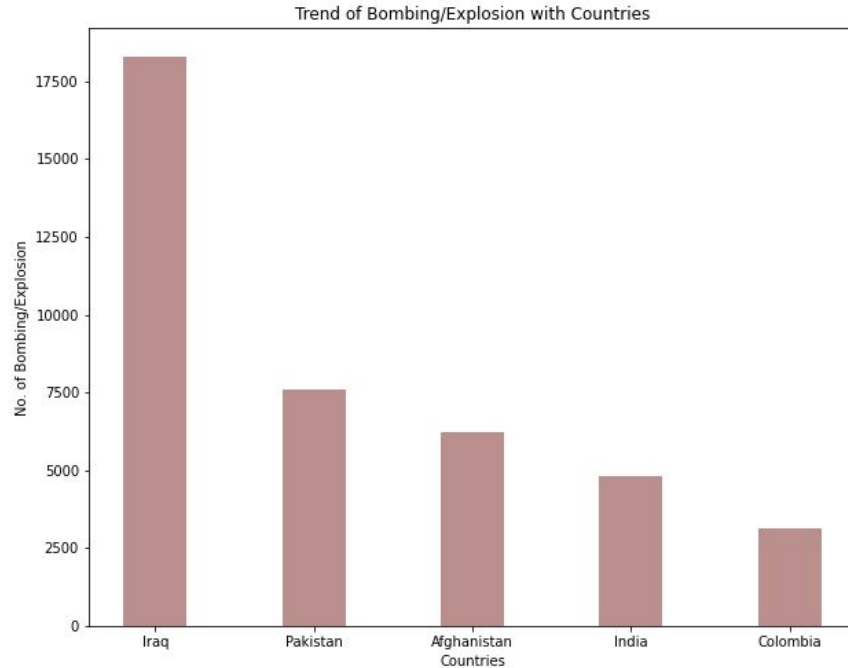
Trend of People Killed and Wounded with Year

Trend of kill and wound with Year

More than 4 lakhs people were killed and more than 5 lakhs people got wounded during this period.

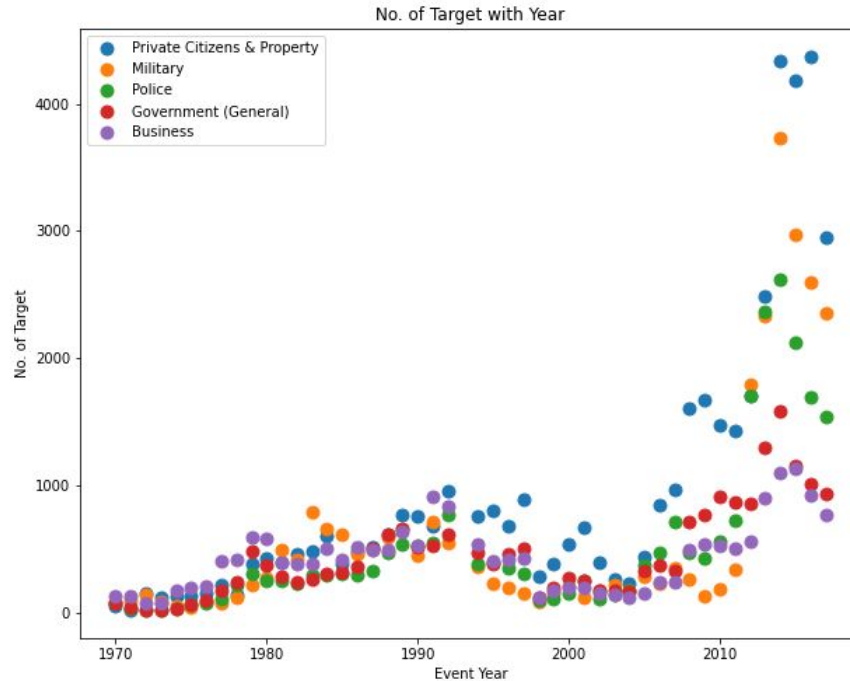# Trend of Bombing/Explosions with Countries

Trend of Bombing/Explosions with Countries (Continued)

```
Top five attack_type in percentage:
Bombing/Explosion                    48.57
Armed Assault                        23.48
Assassination                        10.63
Hostage Taking (Kidnapping)           6.14
Facility/Infrastructure Attack        5.70
```

49 % of attacks are through Bombing/Explosion. More than 18,000 bombing explosions occurred in Iraq and more than 7,500 occurred in Pakistan, 2nd highest
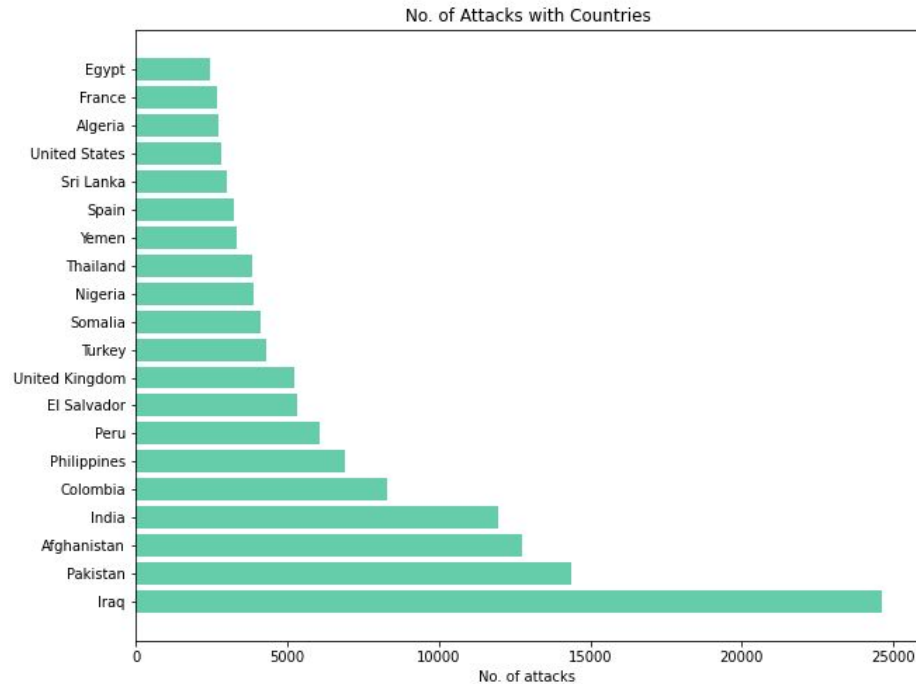
Analysing Different Targets of Attacks

No. of Target with Year

Analysing Different Targets of Attacks (Continued)

```
Top five target_type in percentage:
Private Citizens & Property    23.95
Military                       15.40
Police                         13.49
Government (General)           11.71
Business                       11.38
```

29 % of the attacks are on Military & Police and 24 % of the attacks are on Private Citizens & Property

Analysing No. of Attacks with Countries

No. of Attacks with Countries

Analysing No. of Attacks with Countries (Continued)

```
Top five countries in percentage:
Iraq              13.56
Pakistan           7.91
Afghanistan        7.01
India              6.58
Colombia           4.57
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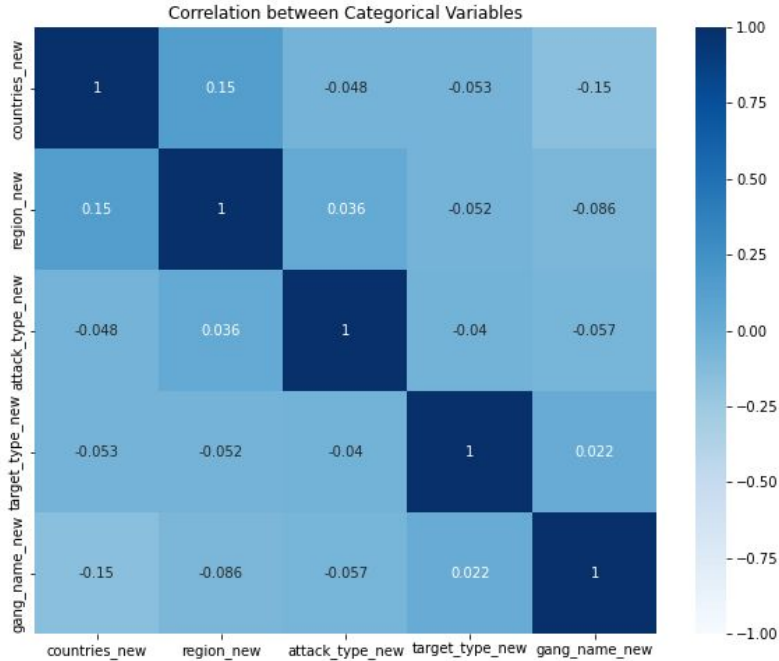
```
Top five region in percentage:
Middle East & North Africa    27.78
South Asia                    24.75
South America                 10.45
Sub-Saharan Africa             9.66
Western Europe                 9.16
```

40 % of the attacks are in five countries (Iraq, Pakistan, Afghanistan, India, Colombia) of the Middle East, North Africa, and South Asia region

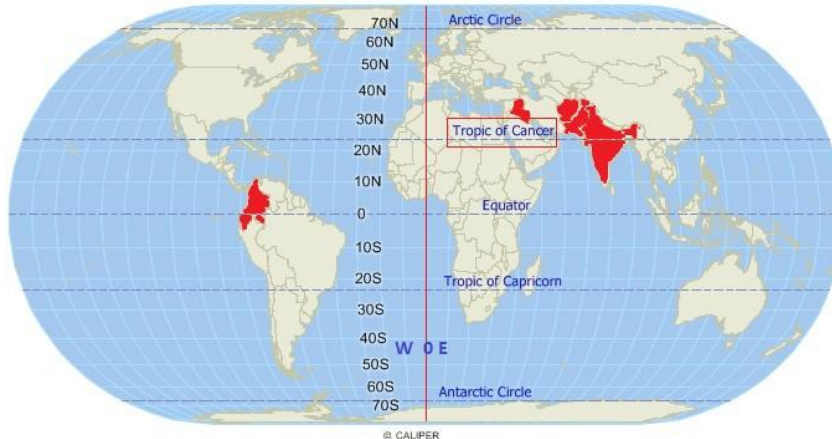# Checking Correlation among Features

In this heatmap, there is no high positive or negative values. Thus, we can conclude that there is no high correlation among our final nominal features.

Final Conclusion

Mean latitude of all attacks is 23.5 deg North which is exactly the Tropic of Cancer holding the world's best geographical locations. This clearly indicates that all the terrorist gangs are unitedly working towards capturing the world's best geographical locations to rule the world.

	latitude
count	177135.000000
mean	23.498343
std	18.569242
min	-53.154613
25%	11.510046
50%	31.467463
75%	34.685087
max	74.633553

Thank you !