

# Capstone Project

**GLOBAL TERRORISM**

SUBMITTED BY :-

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**WORLD PEACE** was one of the core reasons for forming the United Nations organization. Terrorism is the biggest hurdle to world peace. Terrorism is commonly ignored by the civilians who are not affected directly by the dangers. For the most part, terrorism is considered unpredictable and unfortunate calamity that strikes some parts of the world more than others. Based on the location of the events, people at large have very limited information about any such event happening in other parts of the world and hence react differently.

In this project, we focus on terrorism by analyzing the dataset provided by START (Study of Terrorism and Response to Terrorism) Consortium to explore meaningful patterns and statistics.



# INTRODUCTION

- Given dataset from the Global Terrorism Database have 135 columns, 181691 rows and it is a mix of categorical and numeric values. And given database is incomplete, inconsistent, contains many errors, missing attributes values, contains outliers, incorrect tags, and duplicate entries, name of the columns are not informative enough to develop proper understanding. so, we will rename the columns, i.e. Data preprocessing and this can help us to resolve these discrepancies. and formation of informative data so, that we can extract the required columns for exploring and analyzing the database, to discover the key findings pertaining to terrorist activities.

# INSIGHTS FROM THE GIVEN DATA

ATTRIBUTES	DESCRIPTION
Attacktype1_txt	The type of attack happened.
Target1_txt	Type of target involved in the attack
Success	'1' if attack was a success. '0' if attack was a failure.
Natlty1	Nationality of attacker
Weaptype1	Types of weapon used in attack
Nkill	Number of person killed in attack
Nwounded	Number of person wounded in attack

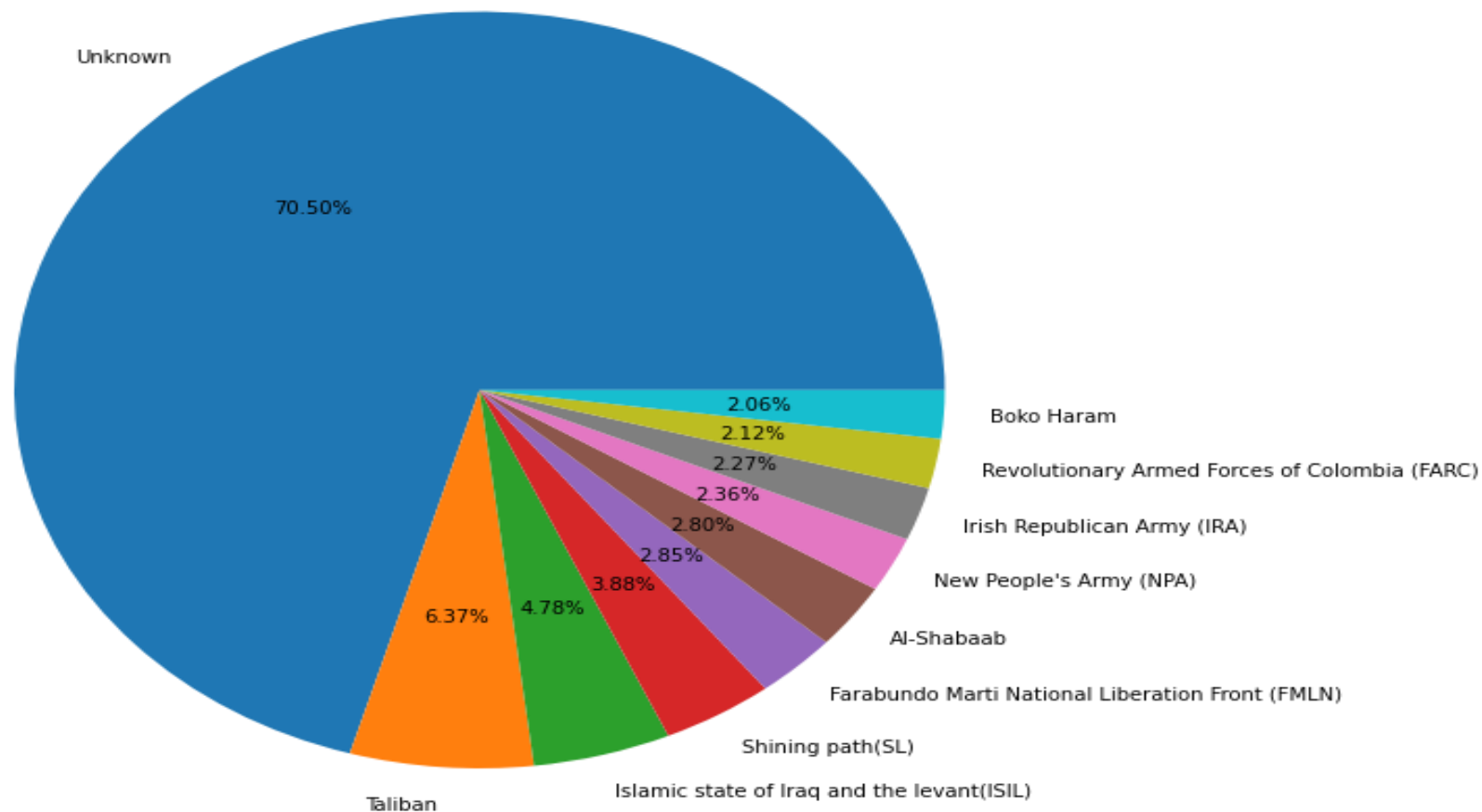
# INSIGHTS FROM THE GIVEN DATA

ATTRIBUTES	DESCRIPTION
Longitude	Longitude of the location
Latitude	Latitude of the location
Property	Total property damaged happened in any event
Suicide	'1' if attack was a suicide attempt. '0' if attack was not a suicide attempt.
Motive	Motive of the attack
Age	Age of the attacker
Iday,iyear,imonth	Calendar of the attack

## QUESTION-1

FIND OUT NUMBER OF ACTIVE TERRORIST GROUPS WHICH ARE SPREADING THE THREAT OF TERRORISM ACROSS THE WORLD AND ALSO DETECT MOST ACTIVE ORGANISATION WHO HAS TAKEN RESPONSIBILITY OF ATTACKS.

# Active terrorist organisation in world



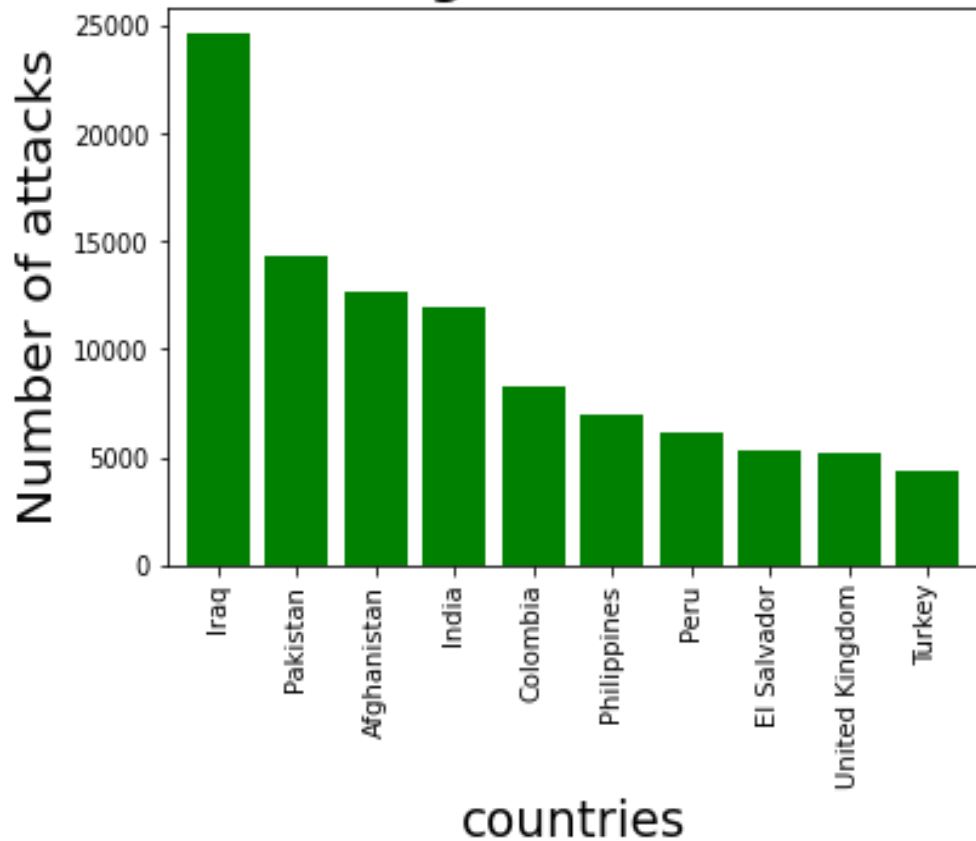
## QUESTION -2

- QUESTION NO.2-Find out the success rate of terrorist attacks and country ,city which is mostly targeted by the terrorist organisations



- Terrorists have 88.96% of success rate which is a huge number, it denotes that we should be extra cautious regarding their target countries, so that we can be prepared to counter the attack

## Target countries



```
a=database['city'].value_counts().head(10)  
print(a)
```

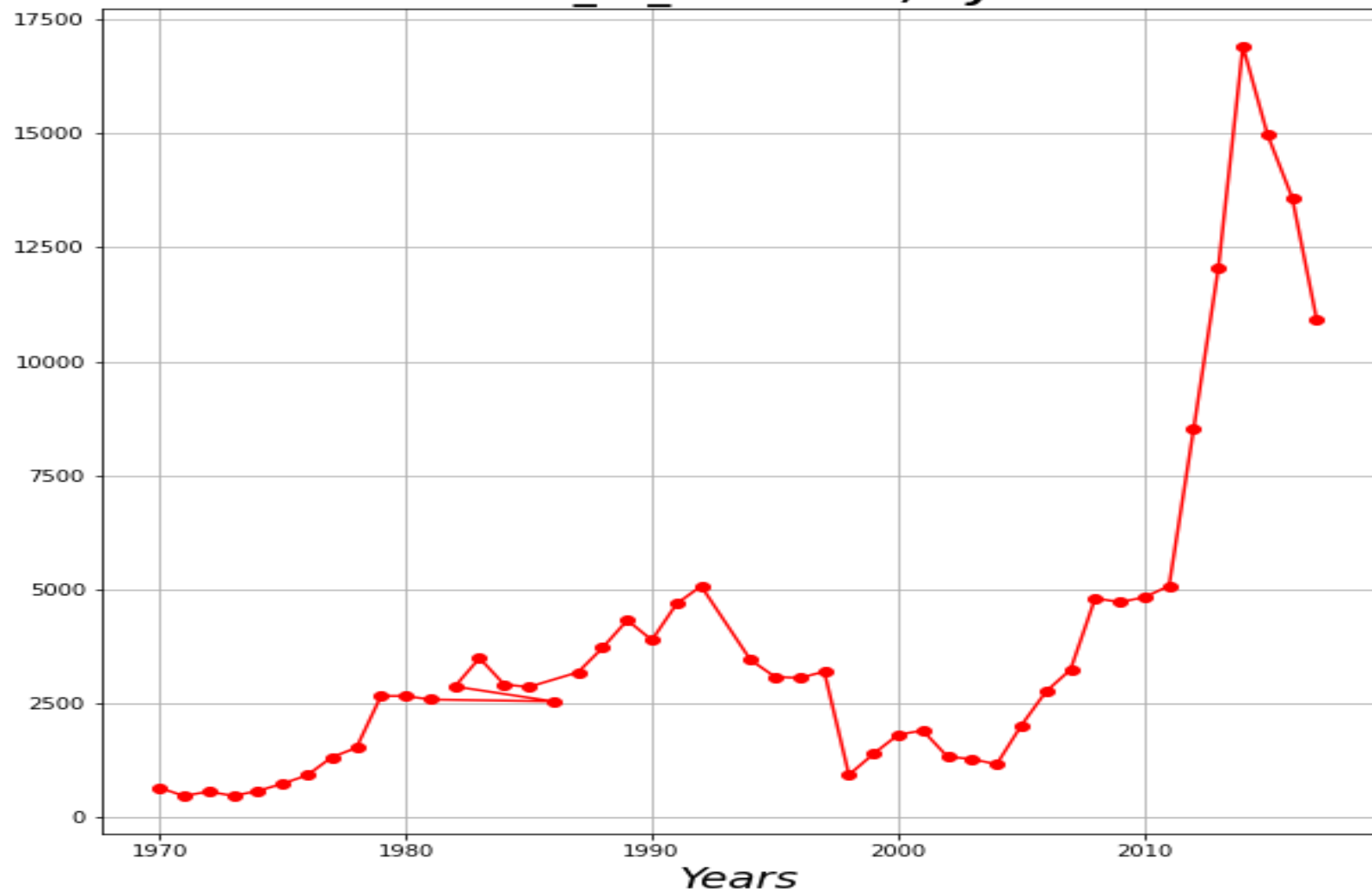
```
Unknown    9775  
Baghdad    7589  
Karachi    2652  
Lima       2359  
Mosul      2265  
Belfast    2171  
Santiago   1621  
Mogadishu  1581  
San Salvador 1558  
Istanbul   1048  
Name: city, dtype: int64
```

## QUESTION-3

Finding out the pattern in the growth of number of attacks in following years

***Number\_of\_attacks v/s years***

*Number of attacks*

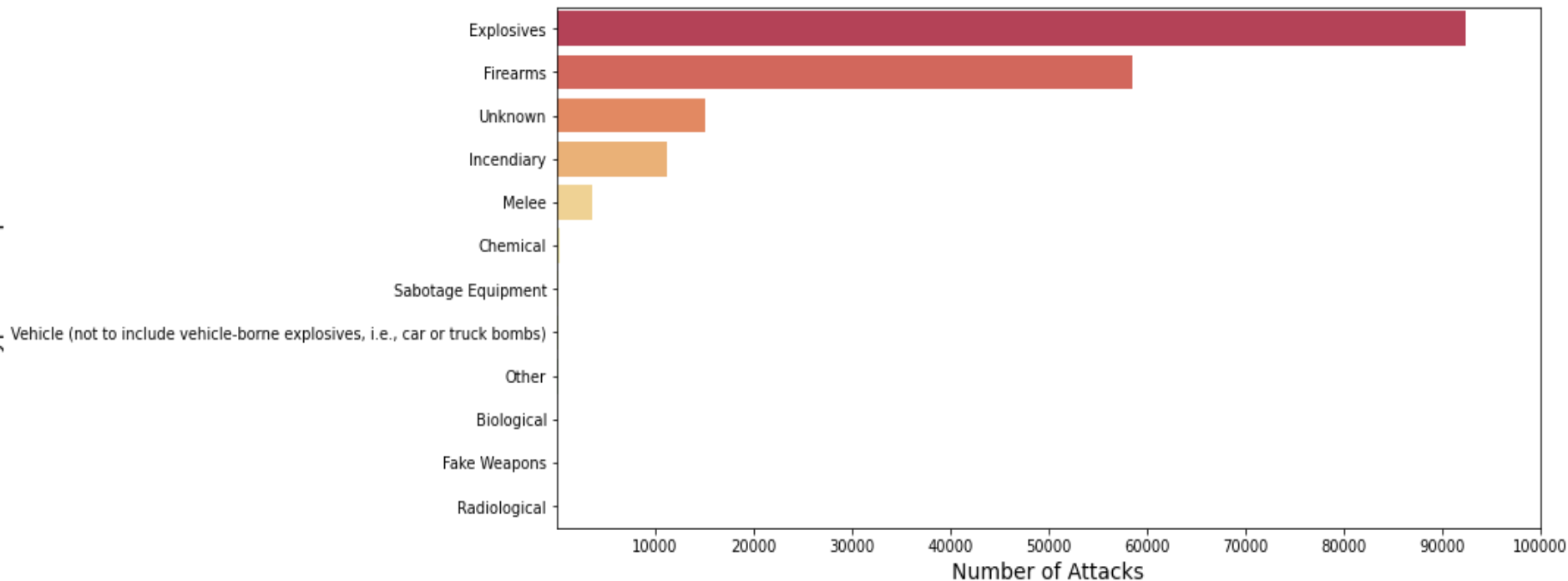


## QUESTION-4

Hostile environment and global tension have increased because of the number of attacks in recent years. so its very necessary to find out the weapons used behind this attack

## Weapons used by terrorist Groups for Terror Attacks

Type of weapons



## QUESTION-5

Find out the favourable attacking type ,used by terrorist to spread the antagonistic psychology of terrorism in the society.

*Attacking types used in terrorism*

*attacking type*

Hostage Taking (Barricade Incident)

Unarmed Assault

Unknown

Hijacking

Armed Assault

Facility/Infrastructure Attack

Bombing/Explosion

Hostage Taking (Kidnapping)

Assassination

0

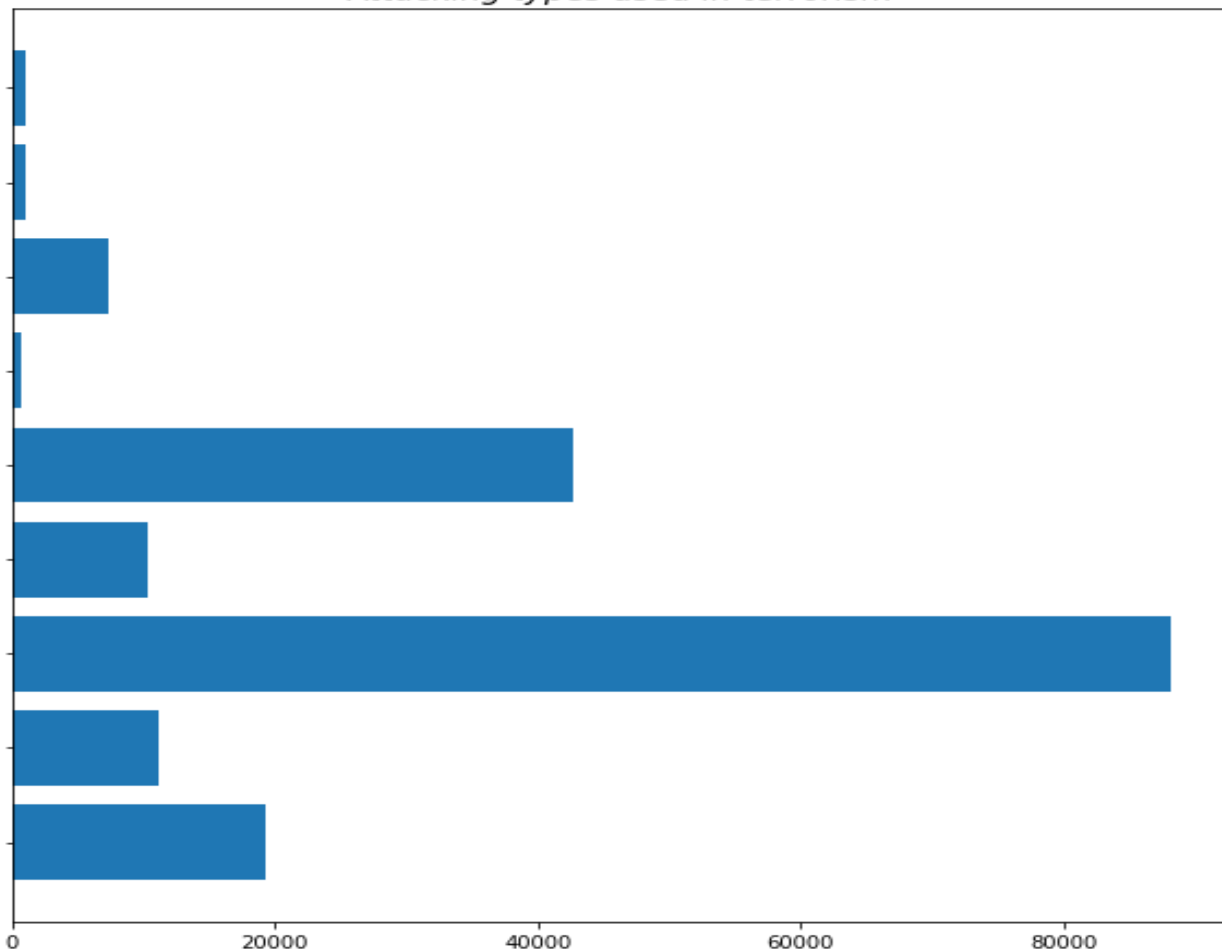
20000

40000

60000

80000

*number of attacks*

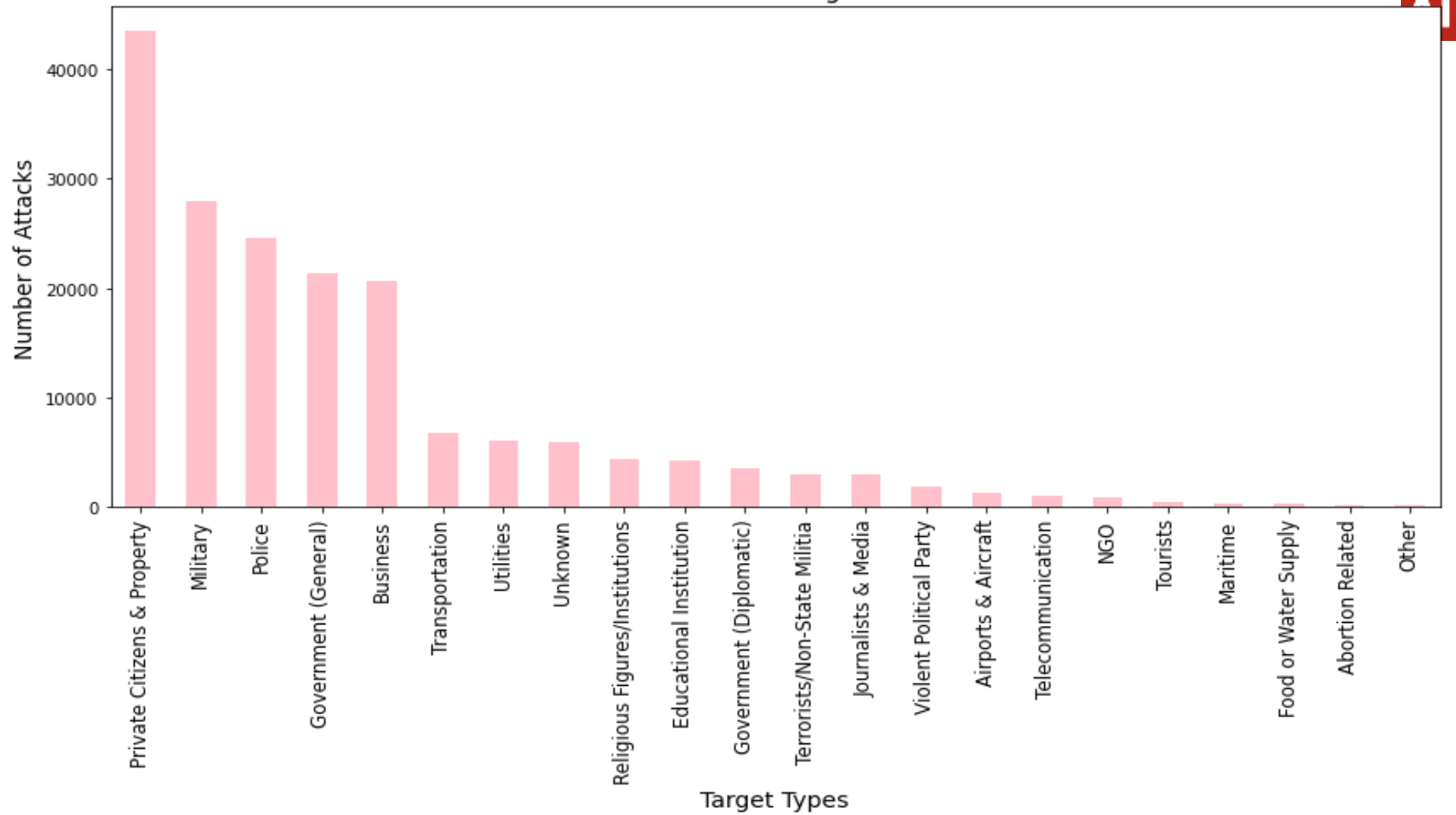


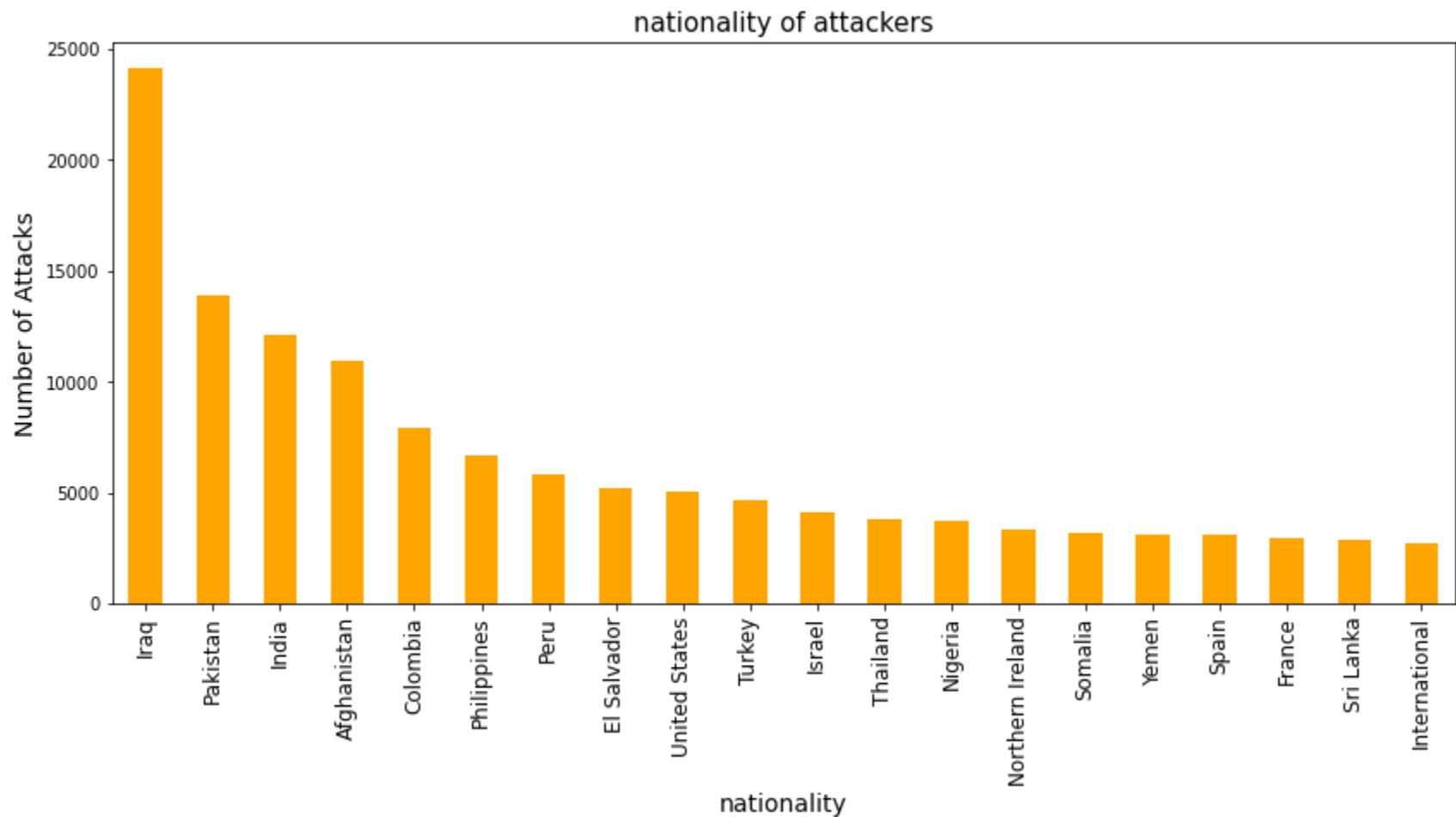


## QUESTION-6

Find out the favourable targets of terrorist organisation

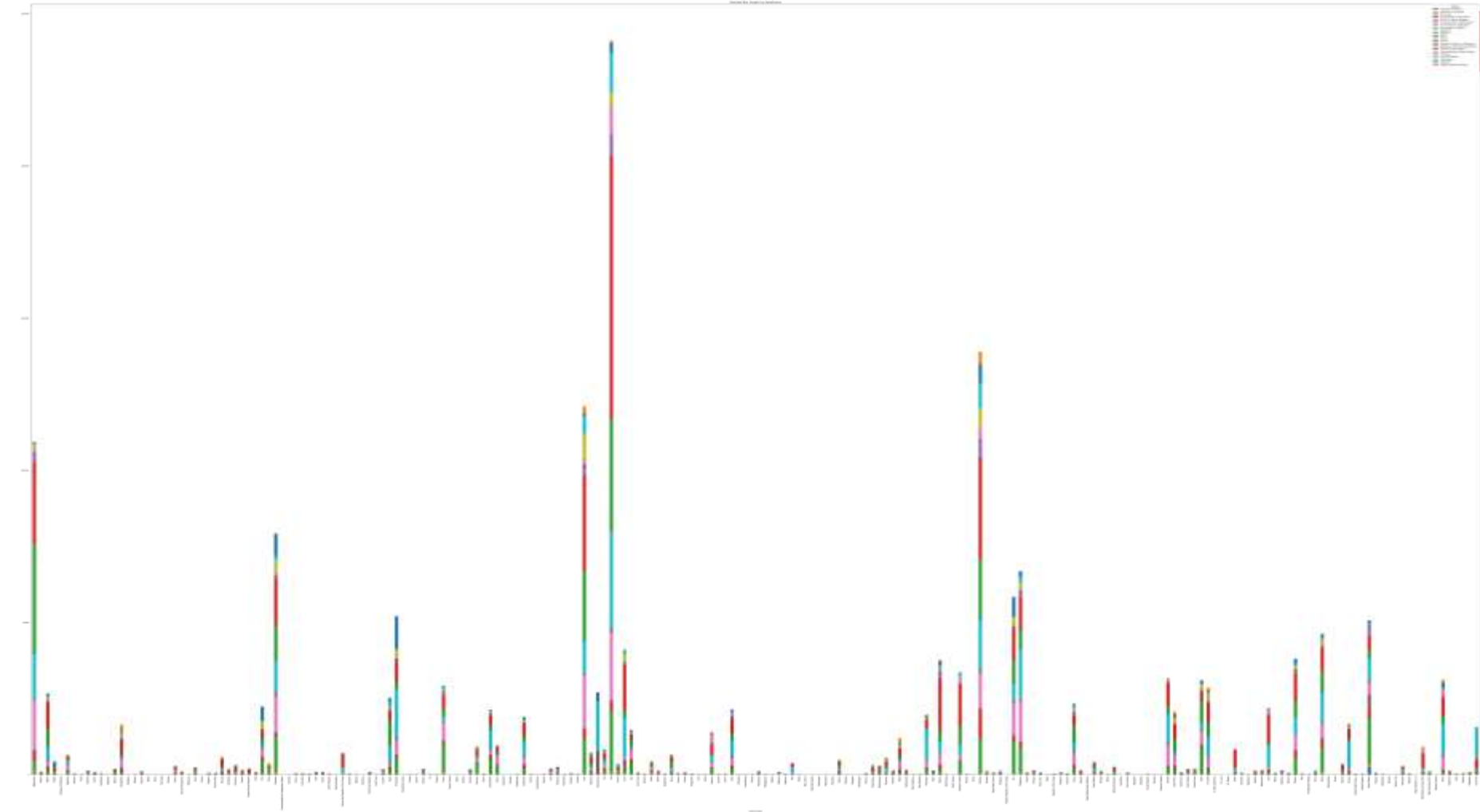
Preferred Targets





## QUESTION-7

FINDING OUT THE TARGETS IN PARTICULAR COUNTRIES.SO THAT WE CAN FOCUS MORE ON THE MOTIVE AND OBJECTIVE OF THE TERRORIST ATTACK ON THE COUNTRY.



# CONCLUSION

- The goal of this project was to understand and interpret the nature of terrorism. After doing the analysis we founded the following insights from the database
- 1. TALIBAN is the most active organisation who is taking responsibility of many of the attacks that had happened in the world.
- 2. IRAQ is the most affected by the attacks, so security groups should be extra cautious in this country.
- 3. IN 2014, maximum number of attacks has taken place in the world, so it was the dark year of terrorism.
- 4 IT is seen from the database that the explosives were majorly used by the terrorist groups for the attacks. so security groups should try to locate their sources from where they acquire these explosives.
- 5 After doing the analysis we founded that citizens are the major targets of the terrorist group, and the noticeable part is that IRAQ is most affected by the terrorist groups, and maximum number of members of terrorist group belong to the nationality of IRAQ.