THE SPARKS FOUNDATION

NWAJIUNOR EDGAR

Data Science and Business Analytics Task 4

Exploratory Data Analysis- Terrorism

To perform Exploratory Data Analysis on a global terrorism dataset

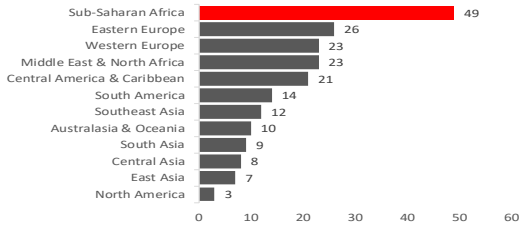
EDA on Global Terrorism

Nos of Affected Countries
205

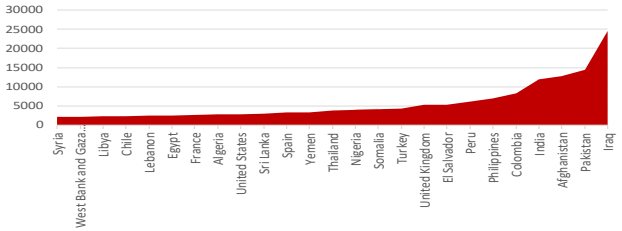
47
Period of Affected Years

region_txt
- Australasia & Oceania
- Central America & C...
- Central Asia
- East Asia
- Eastern Europe
- Middle East & North...
- North America
- South America
- South Asia

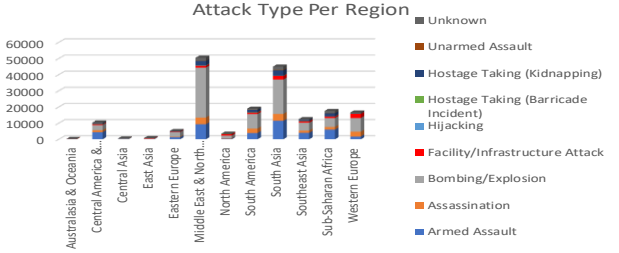
Number of Countries Per Region



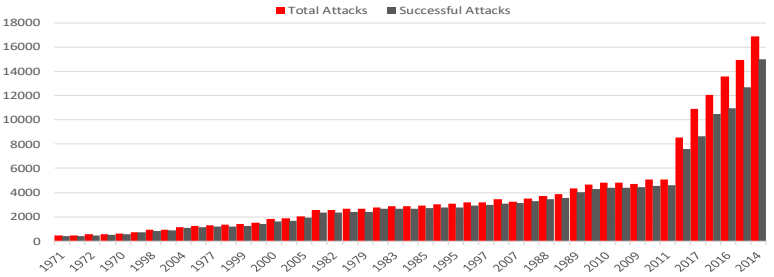
Top 25 Countries with The Highest Attacks



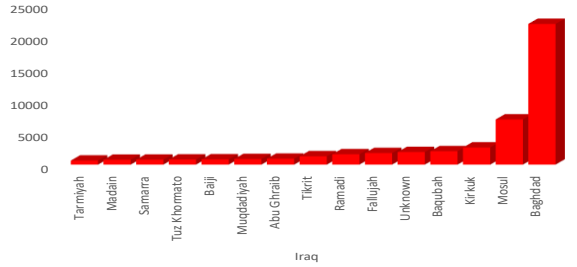
Attack Type Per Region



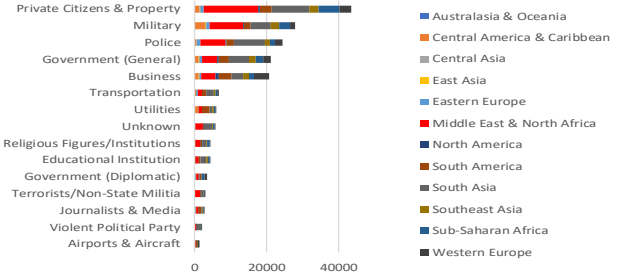
Total Attacks by Year



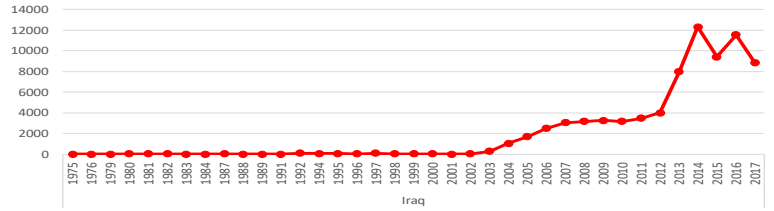
Total Attacks in Cities in Iraq



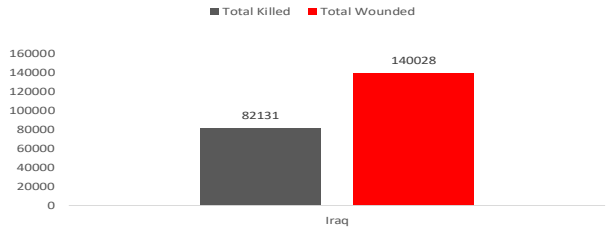
Target Attacks by Region



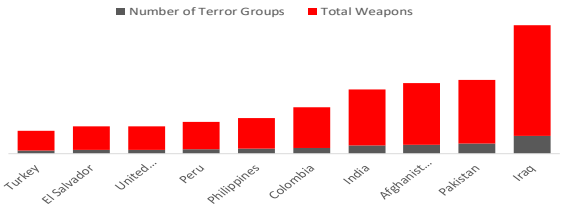
Total Number of Attacks in Iran Per Year



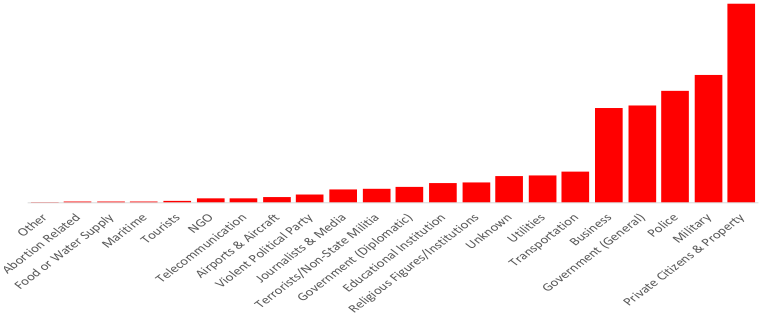
Number of Attack Persons In Iraq



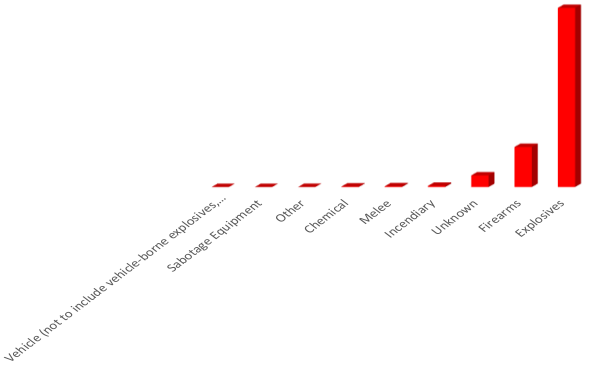
Top 10 Countries with The Highest Terror Groups and Weapons



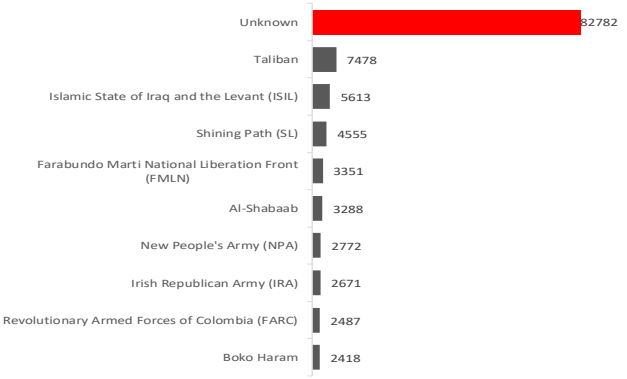
Number of Target Attacks



Count of Weapon Types in Iran



Top 10 Terror Groups



INSIGHTS

This page shows the general overview of the data. The global terrorism data covers for 205 countries including Islands, spanning over a period of 47 years, from 1970-2017.

The First Visual- Number of countries Per Region; shows the total number of countries affected by terrorism. The Sub-Saharan African Region has the highest with 49 countries and North America has the lowest with 3 countries.

The Second Visual- Top 25 Country With The Highest Attacks; The chart illustrates what top countries experience the highest amount of attacks. Iran has the highest attacks of over 24,000 followed by Pakistan and the Afghanistan withover 14,000 and 12,000 respectively. The lowest attack on the top 25 country was recorded by Syria.

The Third Visual- Attack Types Per Region; The chat ilustrates the different attack types carried out in differnet regions. These attack types include armed assault, bombing/ explosion, unarmed assault, assasination, car bombs, facility/ infrastructure attack, hostage taking and unknown attacks. The Middle East reccorded the highest forms of attacks with bomb/explosion coming on top of the list. This is followed by armed assaults with an attack of 9,723. The regions with the least forms of attack recorded are Australiasia andOceania, Central Asia and East Asia.

The Fourth Visual- Total Attacks By Year; shows the rate of attack year after year including the success rate. Year 2014 recorded the highest number with over 16,000 attacks. About 15,000 of them were successful. Only 1888 attacks were unsuccessful. The least year with the least number of terrorism attacks and success rate was 1970.

The Fifth Visual- The Attacks in Cities in Iraq; shows that 15 cities in Iraq with the highest attacks. The city of Baghdad has the highest attacks with of over 20,000 followed by Misoul with 7035.

The Sixth VIsual- Target Attacks by Region; this shows the target by different terror groups in different region. Private citizens and properties, Military, Police are usually the target by these terror groups. The airports amd aircrafts are the least targeted by the terror groups.The Middles East and North Africa rank highest in all of these parameters.

The Seventh Visual- Number of Attacks Per Year in Iraq; this shows that Iraq experienced the highest attacks in 2014 with a total of 12,313. it is observed that terror attacks have been on a low since 1975 until 2014.

The Eighth Visual- Number of Attacked Persons in Iraq; this shows that out of the 140,028 wounded people during terror attacks in iraq, 82,131 were killed.

The Ninth Visual- Top 10 Countries with The Highest Terror Groups and Weapons; the chart illustrates that Iraq, Pakistan, Afhanistan, India, Colombia, Phillipines, Peru, United Kingdom, El Salvador, Turkey all fall under the countries with the highest type and terror group. Iran ranks highest in both with a total of 177,144.

The Tenth Visual- Number of Target Attacks; this shows that globally, private individuals and properties are usually the main target of terror groups., while abortion related and others unidentified were the least targeted.

The Eleventh Visual- The Amount of Weapons Types In Iran; This shows the different weapon types used by different groups in Iran. The top 3 highest weapons include explosives, firearms and unknown weapons.

The Twelfth Visual- The 10 Top Terror Groups; This shows the 10 highest terror groups globally. It is identified that unknown terror groups are the most occuring terror groups followed by the Talibans. The least occuring group in the ten-group spectrum is Boko Haram.

In Summary, it is regarded that the Middle East and North Africa, and South Asia are regarded as hot zones of terrorism because of the high number of terrorist activities coming from countries in those regions. In recent years, Iraq, Afghanistan, Pakistan and India have experienced a rise in the level of terrorist attacks with year 2014 having the highest attacks. Also the level of terrorism is strongest in Bahgdad, Iran due to the presence of more terror groups in the city. The presence of this terror groups also contributed to the high rise of attacks in 2014. e

In addition to Private citizens and properties, government, business, transportation and utilities are usually targeted by these groups. Terrorism remains a global threat on both national and international levels, and it affects the economy of every nation, therefore, the United Nations need to collaborate with countries to curtail the spread of attacks by terror groups.