Snehal Ramteke
Data Science And Business Analytics Intern at The Sparks Foundation

The Sparks Foundation

Exploratory Data Analysis – Terrorism
(Level – Intermediate)

#4

- Perform 'Exploratory Data Analysis' on dataset 'Global Terrorism'

- As a security/defense analyst, try to find out the hot zone of terrorism.

- What all security issues and insights you can derive by EDA?

- You can choose any of the tool of your choice (Python/R/Tableau/PowerBI/Excel/SAP/SAS)

- **Dataset:** https://bit.ly/2TK5Xn5

- **Intermediate Level** - Create storyboards. Screen-record along with your audio explaining the charts and interpretations. Use images.

- Task submission:
  1. Create the dashboards and/or storyboard and record it
  2. Upload the recording on Youtube, share the link on LinkedIn
  3. Submit LinkedIn post link in Task Submission Form when shared
  4. Please read FAQs on how to submit the tasks.
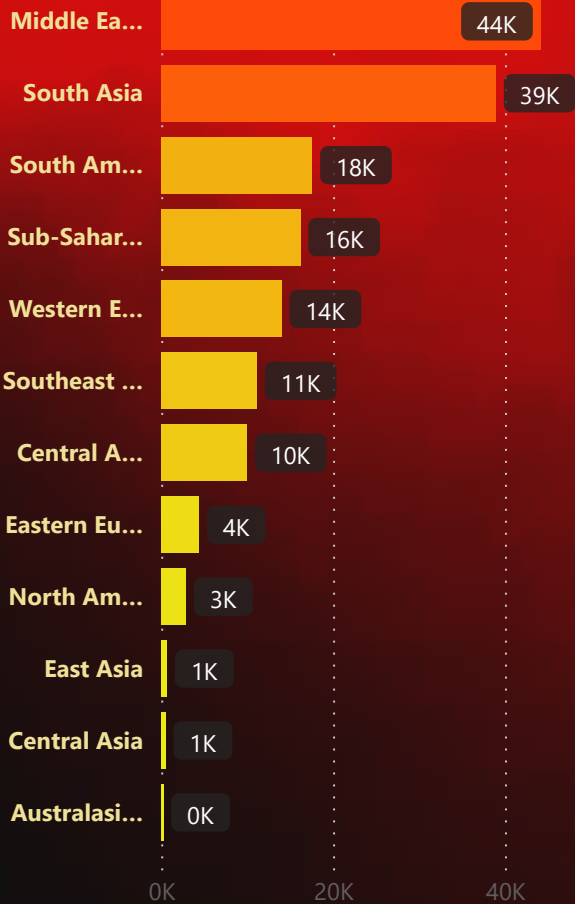
Global Terrorism Dashboard

Country	Region
All ⌄	All ⌄

Total Target
1,75,227

Total Group
3521

Maximum Attack Year
2017

Top 5 Groups Name

6.5K — Taliban
4.8K — Islamic State of Iraq and t...
4.3K — Shining Path (SL)
3.3K — Farabundo Marti National ...
3.0K — Al-Shabaab

Terrorism Attack by Region

Count of Region 0.28K ▮ 50.24K

Region	Count
Middle Ea...	44K
South Asia	39K
South Am...	18K
Sub-Sahar...	16K
Western E...	14K
Southeast ...	11K
Central A...	10K
Eastern Eu...	4K
North Am...	3K
East Asia	1K
Central Asia	1K
Australasi...	0K

0K · 20K · 40K

Top 5 Target Type by Terrorist

17937 (14.36%)
40402 (32.33%)
19142 (15....)
22266 (17.82%)
25202 (20.17%)

Target Type
- Private Citizen...
- Military
- Police
- Business
- Government (...
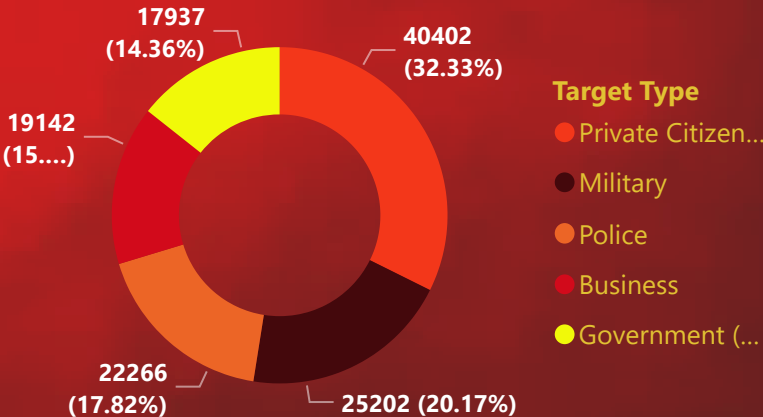
Top 7 Targets Nationality

Country	Value
Iraq	49M
Pakistan	28M
India	24M
Afghanistan	22M
Colombia	16M
Philippines	13M
Peru	12M

0M · 50M
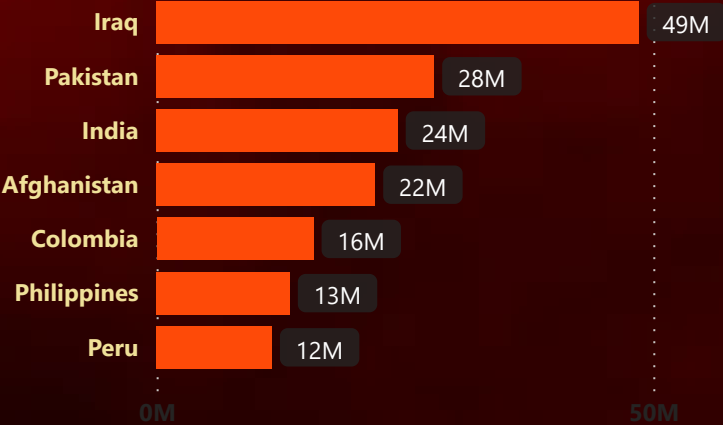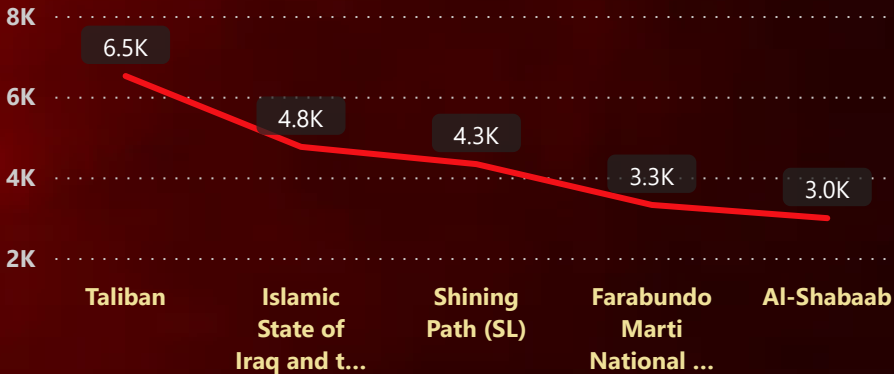
Terrorism Impact on Countries

NORTH AMERICA · ASIA · Atlantic Ocean · SOUTH AMERICA · Indian Ocean · AUSTRALIA · ANTARCTICA

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Global Terrorism Analysis
Impact on the world

Region: All

Country: All

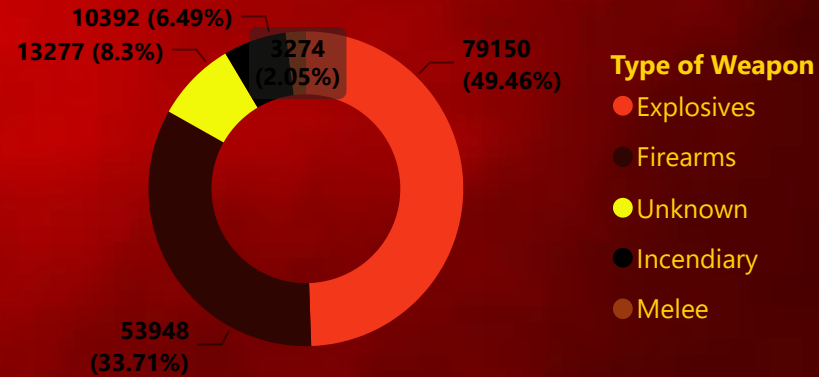**Most Deadly Group**

Taliban
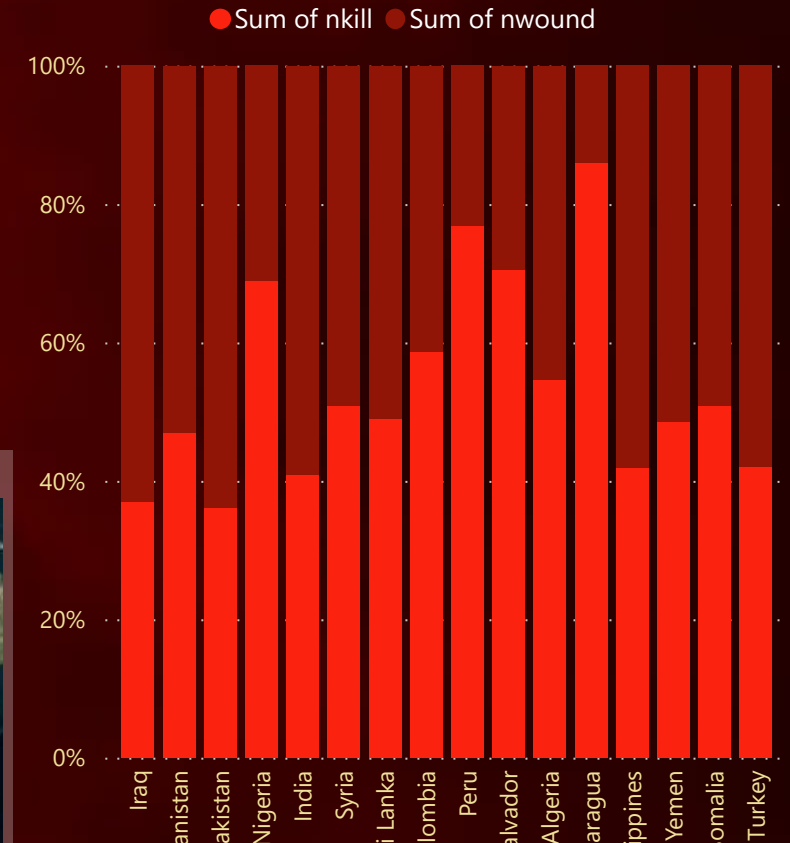
Top Most Attack

Unarmed Assault

Most Used Weapon

Explosives

Top 5 Type of Attacks by Terrorist

10864 (7.1...)
14540 (9.55%)
40226 (26.42%)
76922 (50.51%)

Type of Attacks
- Bombing/Expl...
- Armed Assault
- Assassination
- Hostage Takin...
- Facility/Infrastr...
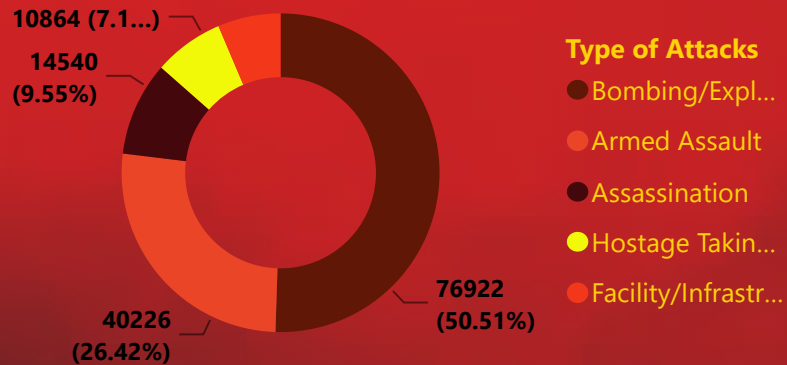
Top 5 Type of Weapons Used by Terrorist

10392 (6.49%)
13277 (8.3%)
3274 (2.05%)
79150 (49.46%)
53948 (33.71%)

Type of Weapon
- Explosives
- Firearms
- Unknown
- Incendiary
- Melee

killed and wound by Targets Nationality

- Sum of nkill
- Sum of nwound

100%
80%
60%
40%
20%
0%

Iraq, Afghanistan, Pakistan, Nigeria, India, Syria, Sri Lanka, Colombia, Peru, El Salvador, Algeria, Nicaragua, Philippines, Yemen, Somalia, Turkey

Targets Nationality

Total attacks In Year

20K
16.7K
15K
10.7K
10K
5.1K
5K
3.5K
0.6K
0.5K
1.2K
0K

1980   2000   2020

Top 10 Hot Zone Country

NORTH AMERICA
EUROPE
ASIA
Atlantic Ocean
AFRICA
SOUTH AMERICA
Indian Ocean
AUSTRA

Microsoft Bing
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