

# Capstone Project - ABTN0102

## Team 2 : Global Terrorism Analysis



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# Problem Statements



- ★ Analysis based on Yearly Attacks
- ★ Analysis based on Terror Groups and Weapons
- ★ Analysis based on Countries
- ★ Analysis based on Casualties
- ★ Analysis based on Lethal Attacks

# Data Summary

**Data Set Name** : Global Terrorism Database includes data from 1970 to 2017 of terrorist attacks all over the world. It includes data of more than 1,80,000 attacks and database is maintained by University of Maryland.

**Shape of original dataset** - 181691 rows and 135 columns

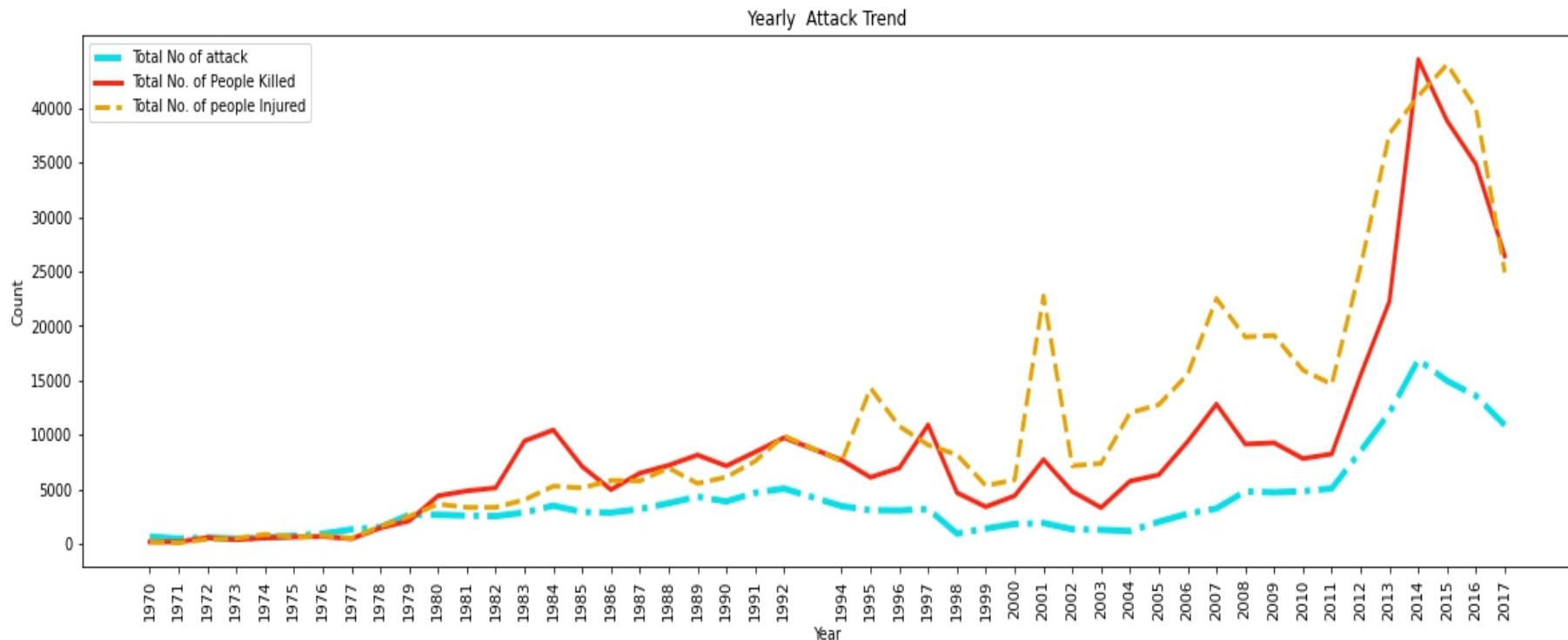
**Columns taken** - year, month, day, country, country\_name, region, region\_name, city, latitude, longitude, attacktype, killed, wounded, casualties, target, group, target\_type, weapon\_type, summary, eventid, resolution, provstate, ishostkid, success, extended

**Shape of subset taken** - 181691 rows and 25 columns

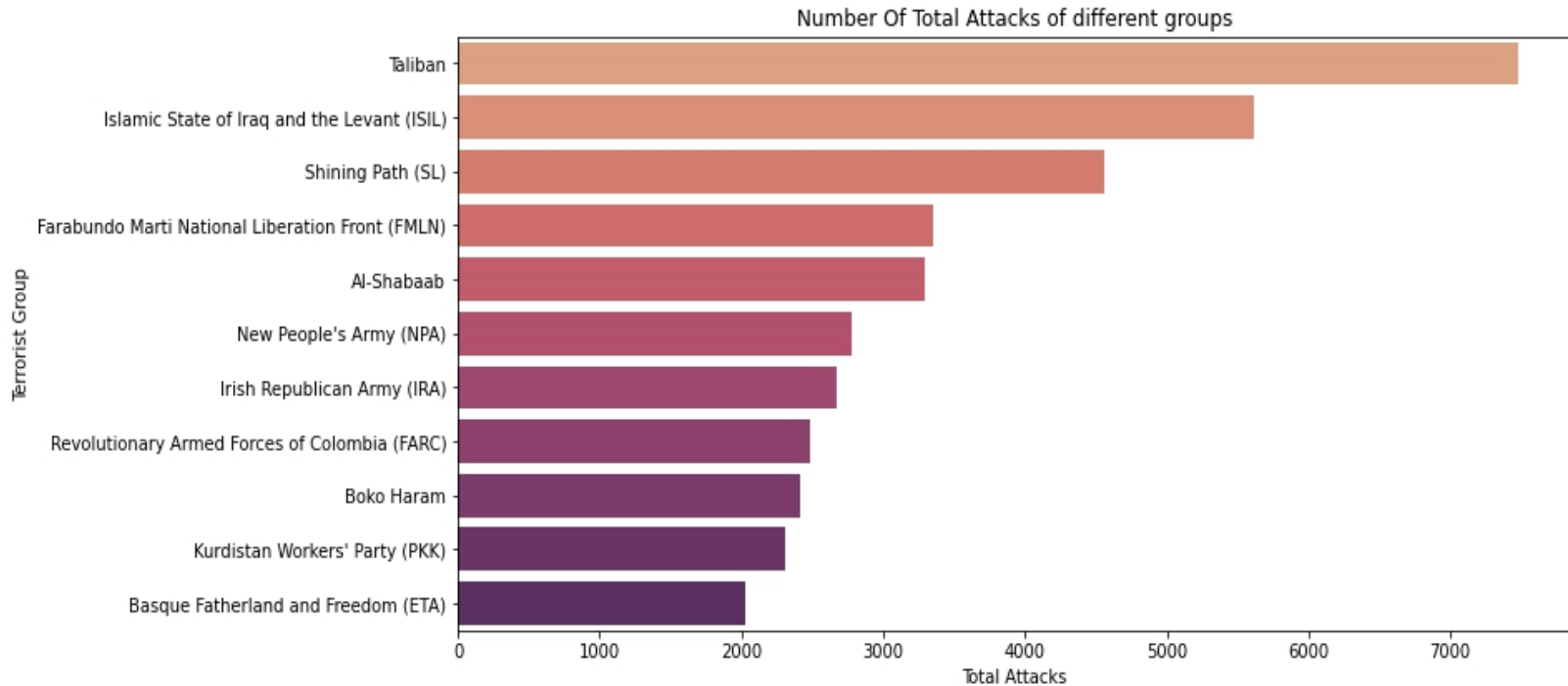
# Simplified view of data on world map



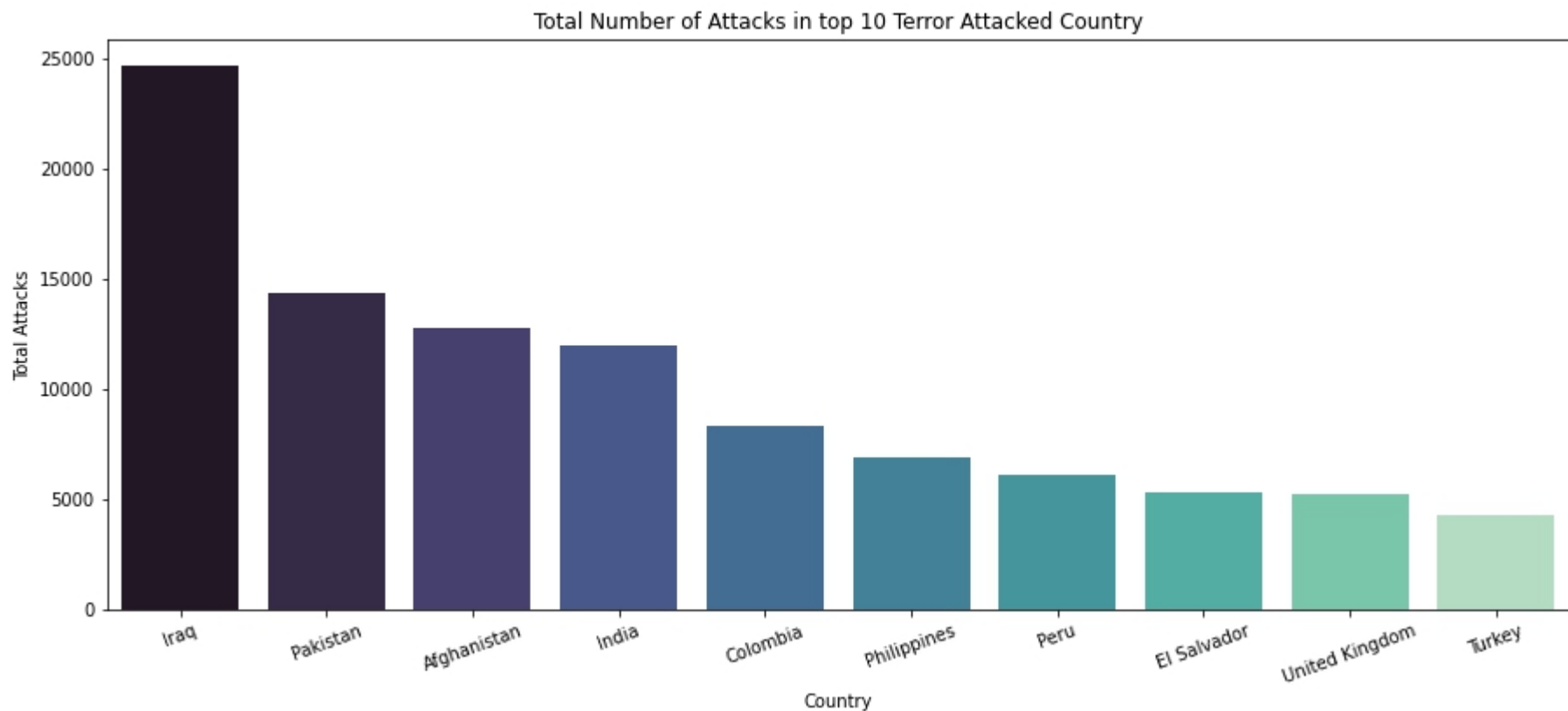
# Analysis on Yearly Attack Trends



# Analysis on Attack Groups

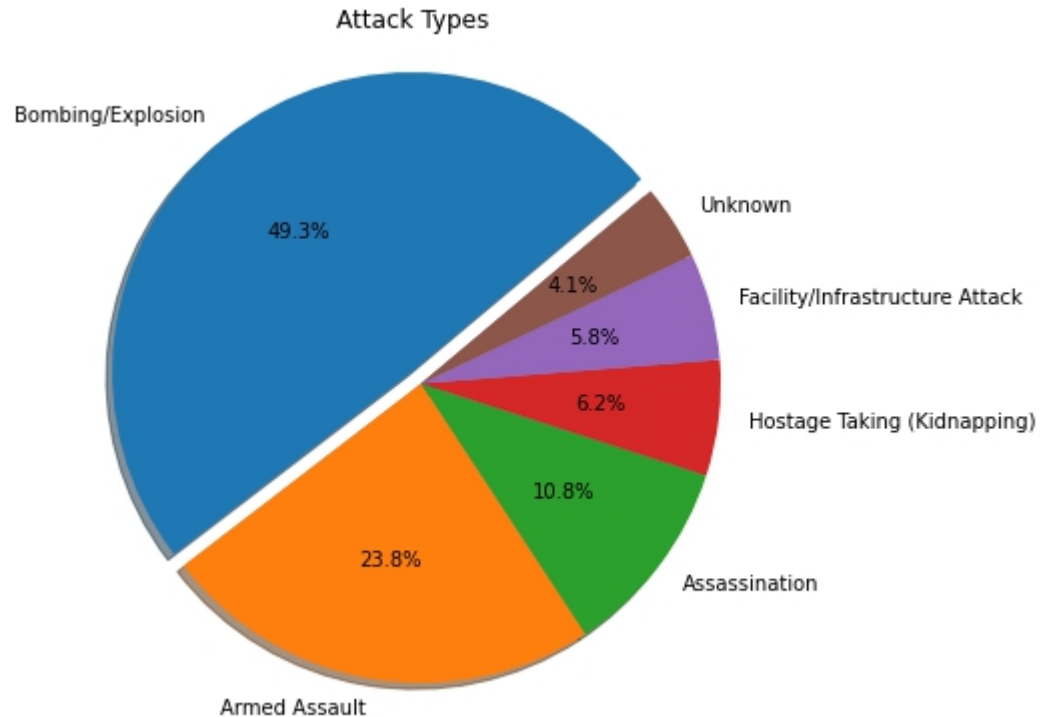


# Analysis on Number of Attacks

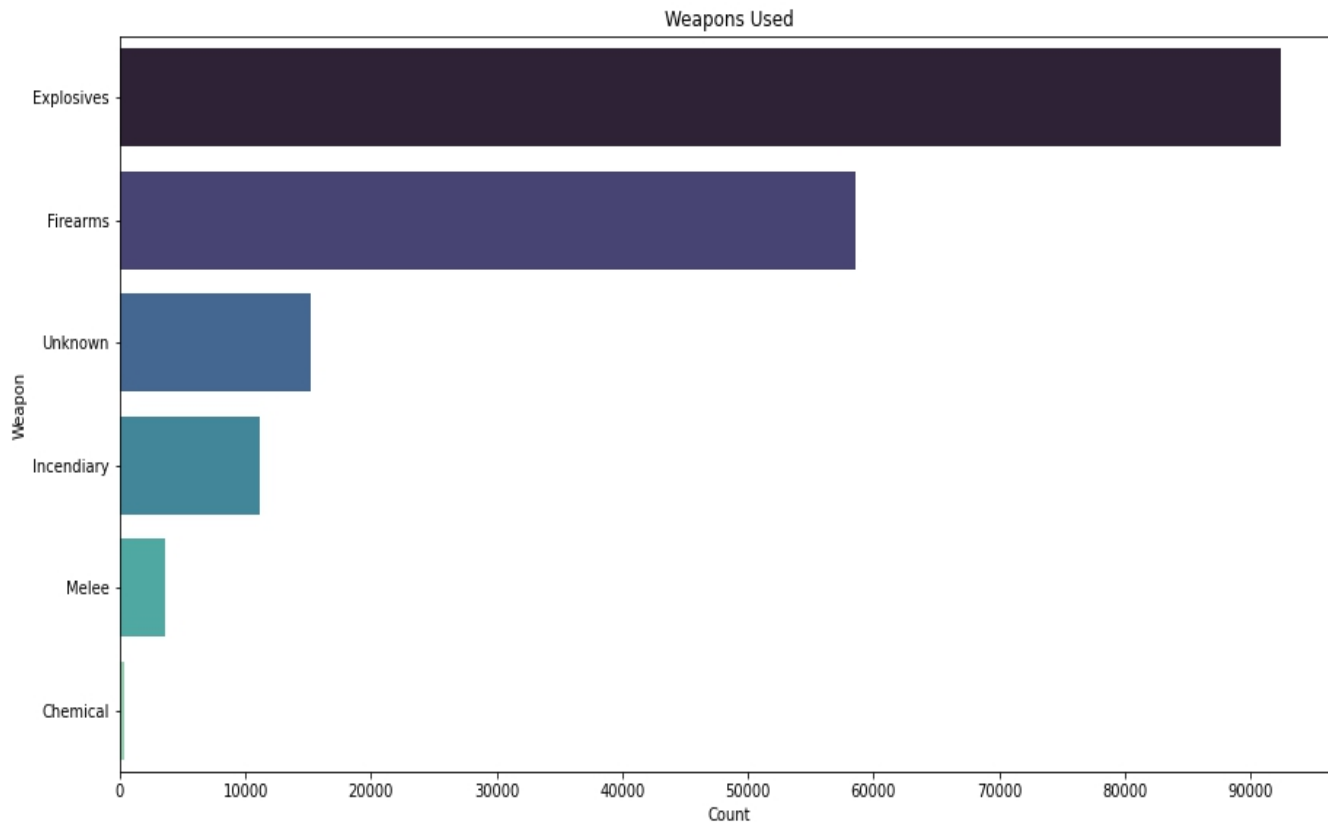




# Analysis on Type of Attacks

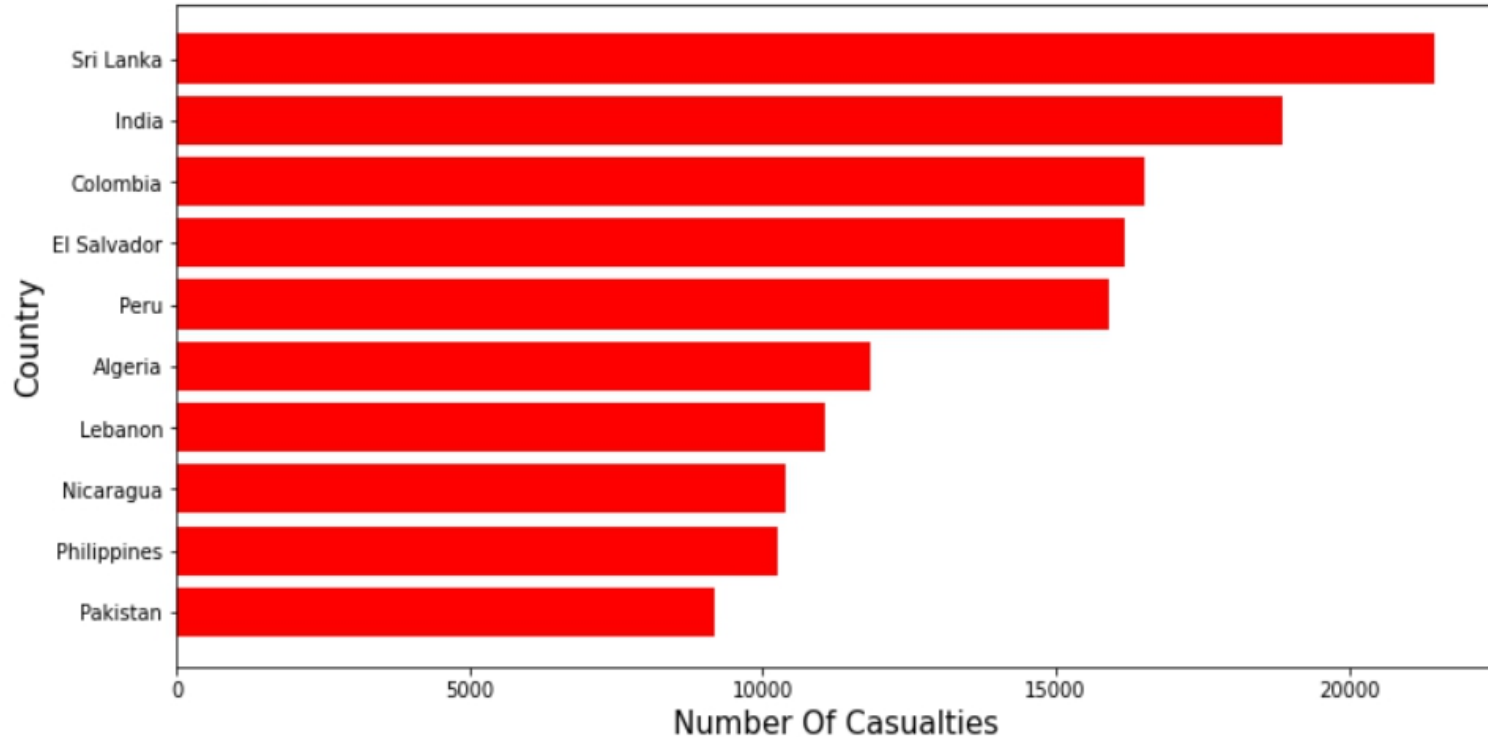


# Analysis based on Weapons



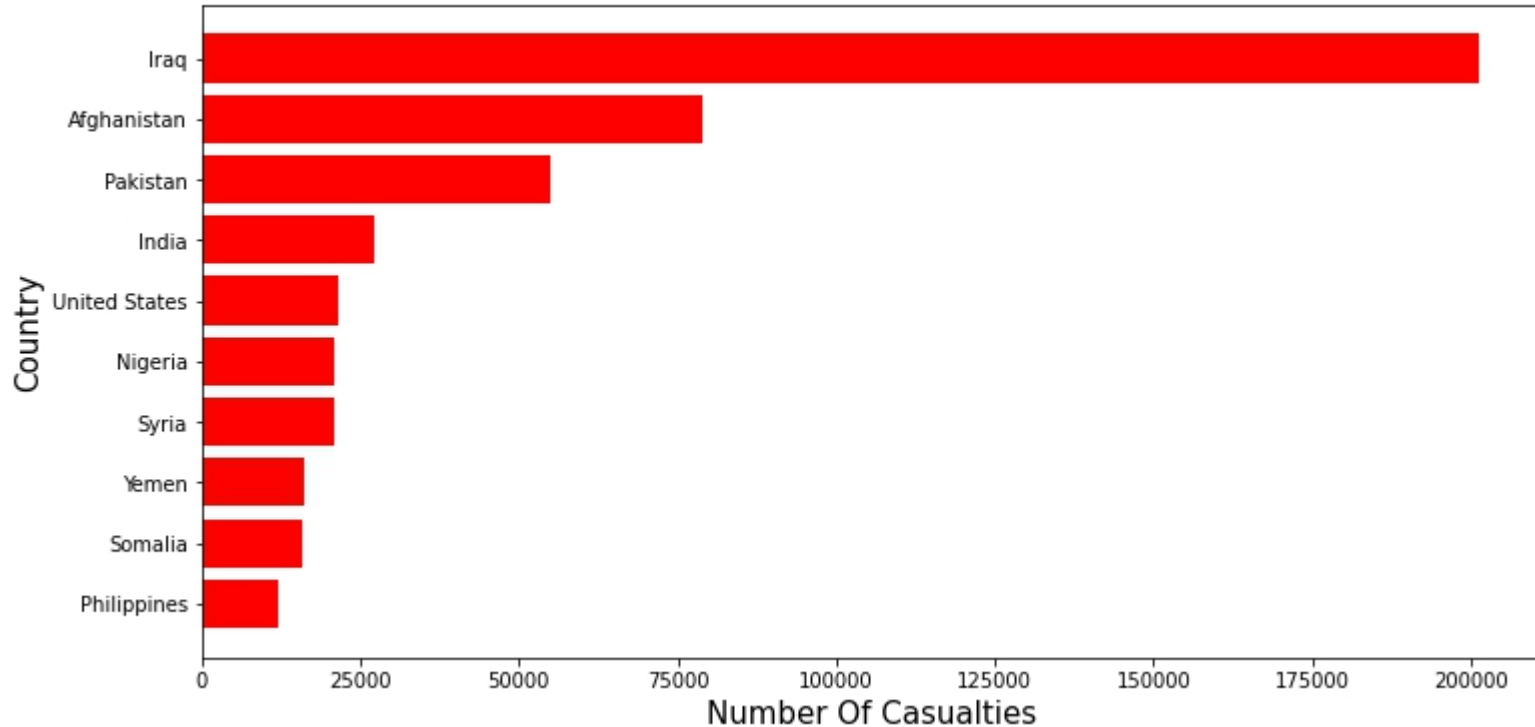
# Analysis based on Casualties

## Top 10 Casualties Suffered Countries From 1970 To 1999



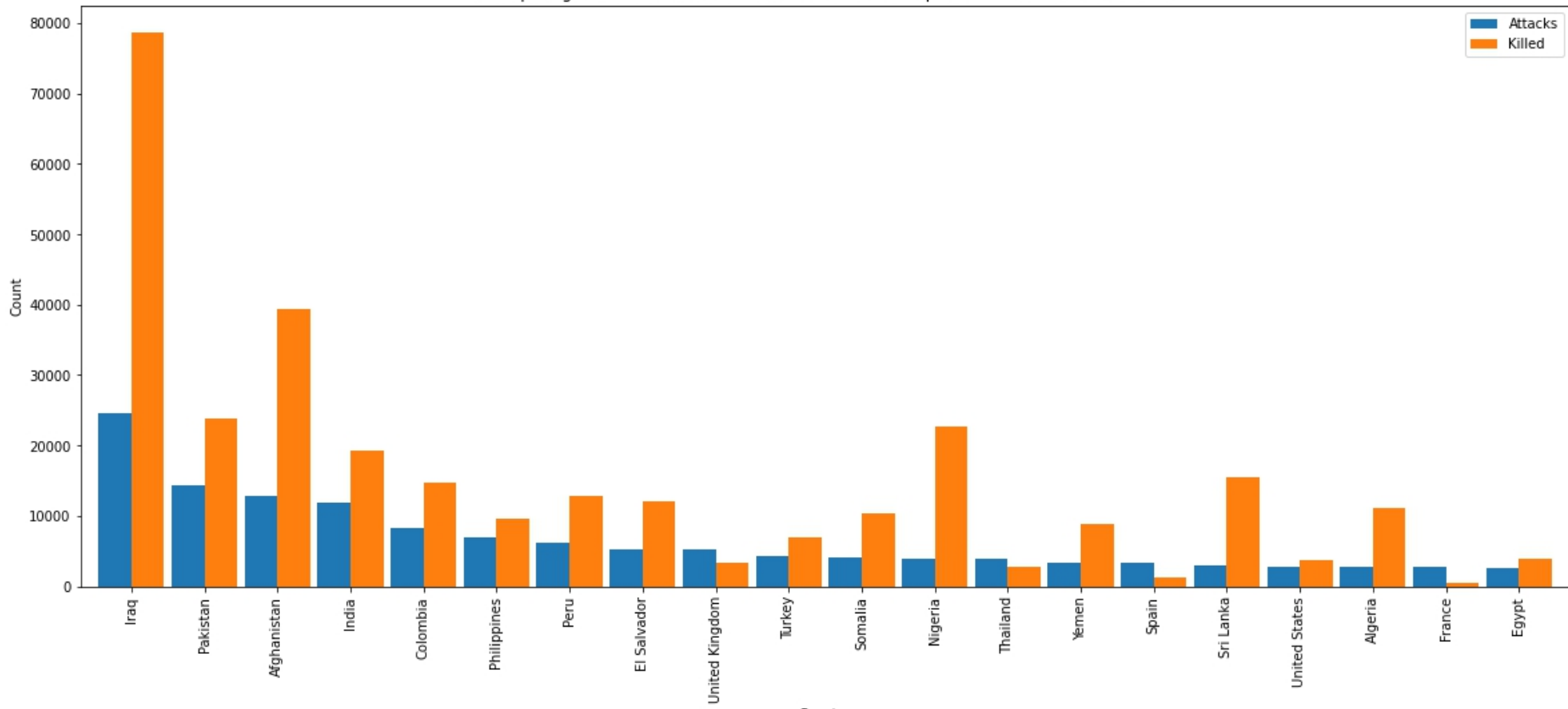
# Analysis based on Casualties

Top 10 Casualties Suffered Countries From 2000 To 2017



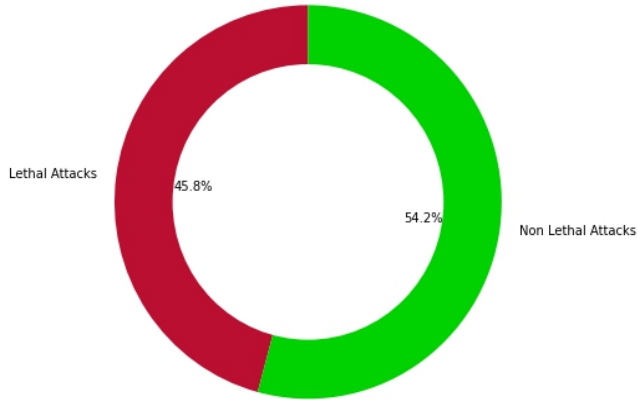
# Analysis based on Countries

Comparing Number of Attacks and Total Fatalities of Top 20 Terror Attacked Countries

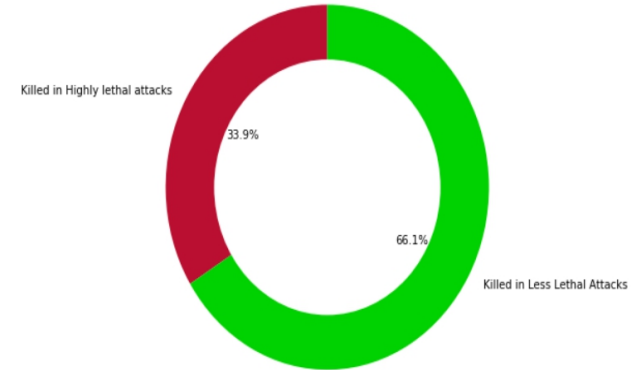


# Analysis based on Lethal Attacks

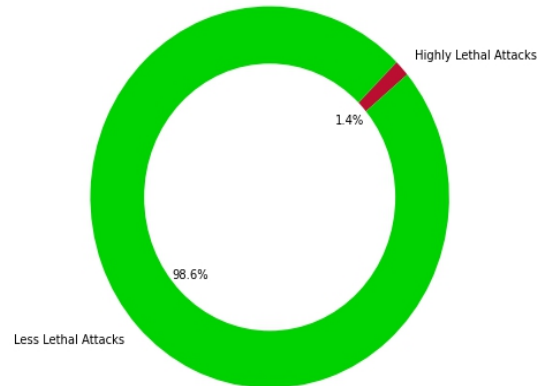
Distribution of Attacks



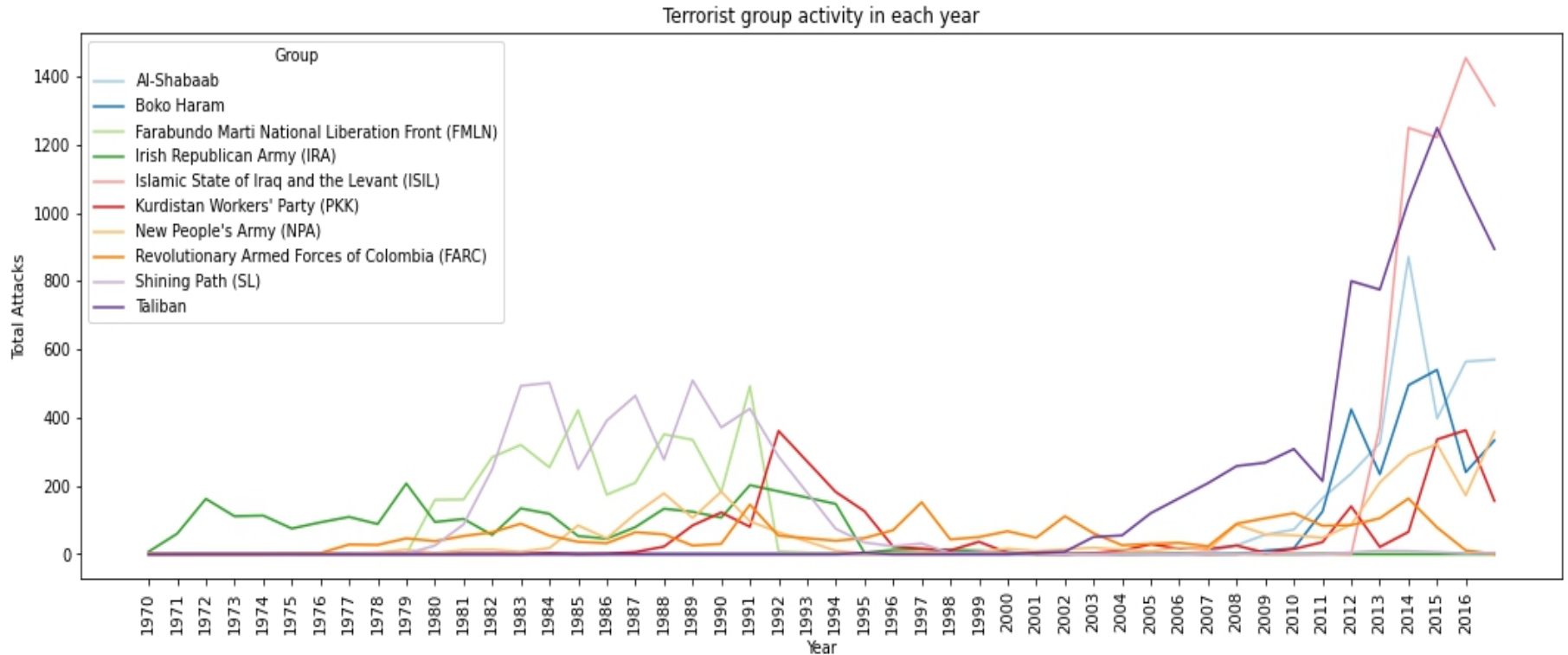
Comparison of Killed b/w Highly Lethal and less Lethal attacks



Comparison of Highly lethal and less Lethal attacks



# Analysis on terrorist groups







# Challenges

- Cleaning data and subsetting the columns.
- Lots of NaN values in datasets.
- Difficulty in plotting on map.



# Conclusion

1. The most known country with terror attacks was Iraq
2. The most preferred method of attack was Bombing/Explosion
3. Maximum number of people were killed by a single terrorist attack are 1570.0 people that took place in Iraq
4. Most number of attacks occurred after 2011 with peak in 2014

**5. Approximately one percent of attacks involve 25 or more fatalities**

**6. From the total of 3536 The currently terror active groups are 623**

**7. SL and FMLN groups active upto 1995 after that they became inactive.**

**8. After 2005 Taliban and ISIL group became very active and shown most number of attacks.**

# Q & A