GLOBAL TERRORISM DATABASE:

➤ *About the Dataset:*
- ✓ The Global Terrorism Database (GTD) is a database containing information about incidences of terrorism from year 1970 to 2015.
- ✓ It has been maintained by National Consortium for the Study of Terrorism and Responses to Terrorism (START) at the University of Maryland, College Park, United States.
- ✓ It is useful as basis in identifying terrorism-related measures, such as, Global Terrorism Index (GTI).
- ✓ One can try to deploy Recurrent Neural Network and other machine learning techniques to prognosticate terrorist attacks in the future.

➤ *Characteristics of the Dataset:*
- ✓ It is an unclassified dataset having mentions for over 150,000 terrorist attack around the world.
- ✓ The records have more than 75,000 bombings, 17,000 assassinations, 9,000 kidnappings and so on.
- ✓ For each case, 29 attributes are identified. They are:

1. Event Id	2. Year	3. Country
4. Region	5. State	6. City
7. Location	8. Summary	9. Multiple
10. Success	11. Suicide	12. Attack Type
13. Target	14. Nationality	15. Group Name
16. Target Type	17. Target Subtype	18. Corporation
19. Motive	20. Claim Mode	21. Weapon Type
22. Weapon Subtype	23. Weapon Details	24. Number Killed
25. Number Wounded	26. Ransom Amount	27. Ransom Paid
28. Database Source	29. Related Events	

- ✓ Sample of the dataset is shown in the screenshot below:

	A	B	C	D	E	F	G	H
1	eventid	year	country	region	state	city	location	summary
2	197000000001	1970	Dominican Republic	Central America & Caribbean		Santo Domingo		
3	197000000002	1970	Mexico	North America		Mexico city		
4	197001000001	1970	Philippines	Southeast Asia	Tarlac	Unknown		
5	197001000002	1970	Greece	Western Europe	Attica	Athens		
6	197001000003	1970	Japan	East Asia		Fukouka		
7	197001010002	1970	United States	North America	Illinois	Cairo		1/1/1970: Unknown African American assailants headquarters in Cairo, Illinois, United States. Th bullet narrowly missed several police officers. heightened racial tensions, including a Black bo Cairo Illinois.

➢ *Analysis to be performed:*

 Some questions to be answered by performing different Map-Reduce functions can be;

✓ Finding out total attacks per year.
✓ Finding out total attacks in each country.
✓ Finding out maximum attacks per country.
✓ Finding out minimum attacks per region.
✓ Finding out average attacks in every year.
✓ Finding out maximum number of people affected by an attack.
✓ Finding out Top 10 countries with highest attacks occurred.
✓ Finding out Top 10 regions least affected by the attacks.
✓ Finding out attacks based on attack types.
✓ Sorting the attacks based on the attack types.
✓ Finding out the distinct states od countries that are affected by the attacks.
✓ Finding out the nationalities of the targets being killed in the attacks.
✓ Finding out the attacks based on the groups.
✓ And many more.

Based on the answers of the above mentioned questions, analysis can be performed to determine some patterns of terror attacks, which can be helpful in predicting future attack effects.