Summary of EDA

On

Global Terrorism

Introduction:-

**The Global Terrorism Database (GTD) is an open-source database including information on terrorist attacks around the world from 1970 through 2017. The GTD includes systematic data on domestic as well as international terrorist incidents that have occurred during this time period and now includes more than 180,000 attacks. The database is maintained by researchers at the National Consortium for the Study of Terrorism and Responses to Terrorism (START), headquartered at the University of Maryland.**

**Tools Required:-**

**To do analysis on Global Terrorism data we used language python. In python we have various libraries which we have to import like NumPy, Pandas, Matplotlib and Seaborn.**

**Activity:-**

1. **Imported essential libraries like**

**NumPy, Pandas, Matplotlib and**

**Seaborn.**

2.Using Pandas library and 'read\_csv' function to

read terrorism csv file.

3.After loading the dataset in and from the head of AB\_2019\_NYC dataset we can see several things. The 16 columns provide a very rich amount of information for deep data exploration we can do on this dataset. We do already see some missing values, which will require cleaning and handling of Nan values. Later, we may need to continue with mapping certain values to ones and zeros for predictive analytics.

4.Checking the number of attacks in each country using value counts (). Most of the attacks occurred in Iraq followed by Pakistan.

5.We checked country name, region name, attack type, target type, gang name and weapon type.

6.Data Visualisation using Matplotlib and Seaborn.

7.Plotting different graphs to analyse weapon type, target type and attack type during terror attack.

Conclusion:-

Results of Analysis Most of the attacks were attacked through explosives and then through firearms.

Attacks were more during 2014 and then in 2015. When compared to attacks from 1970 onwards, the last 6 years scored a maximum. But from 2014 onwards count started decreasing. Almost Every day has the same contribution, but attacks were low during 31st and high during 15th and 1st. Iraq dominates all the countries, and it has the highest number of attacks and then Pakistan, Afghanistan, and India follow it. The Middle East& North Africa leads 1st among all the regions and then South Asia takes 2nd place. For most of the attacks, the target is Private Citizens& property and the next Military leads. Most of the attacks were through either Bombing or Explosion.