

TERRORISM ANALYSIS AND INSIGHTS.

PREPARED FOR

Forsk Technologies
Jaipur, Rajasthan
India

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Project Overview.

This Project terrorism analysis with insights is a real-time client project.

Visualizing the data gives clear patterns about the data and makes it easy for analysis. The user should be able to run the python file from the command line. This project deals with **Exploratory Data Analysis (EDA)**, this entire project comes under the **Non-Disclosure Agreement (NDA)**.

Introduction

1. Project Requirements.

- Python Programming Language
- Pandas and NumPy
- HTML and CSS
- Dash and Plotly
- Excel



2. Project Criteria.

- User Experience (UX)
- User Interface (UI)
- Code Modularity
- Logging
- Variable Naming Convention
- Meet client Expectation

3. Client Details.

The client is a senior Army Officer, Govt. Of India. He is responsible for the Internal Security in the Northern Command. He is also responsible for Counter-Terrorism in the entire State of J&K. He is awarded by the President of India, the Kirti Chakra an Indian military decoration awarded for valor, courageous action, or self-sacrifice away from the field of battle. It is the peacetime equivalent of the Maha Vir Chakra.

4. Client Expectation.



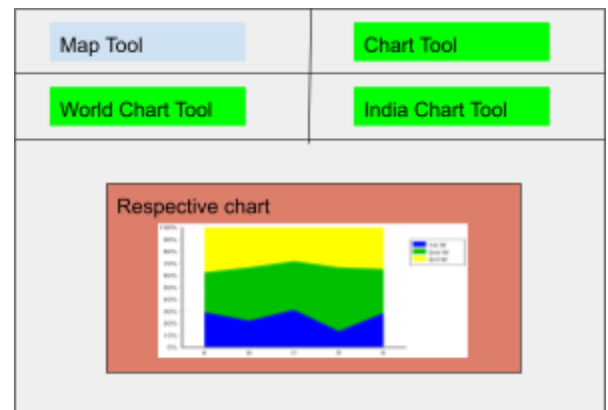
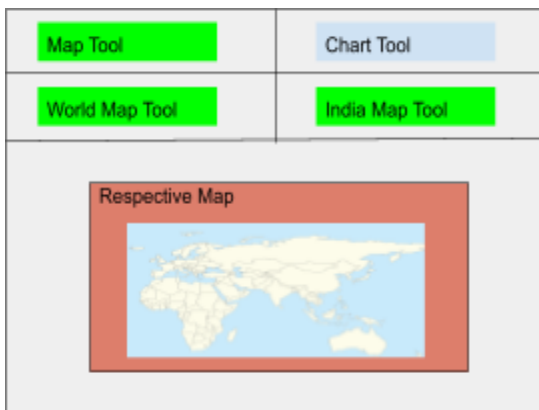
Since the client is responsible for Internal Security in the State of J&K. He needs this tool to be used as a Predictive Analysis tool. He should be able to find the trendline of each kind of Attack (Bombing, Assassination, etc).

Protective vehicles are less in numbers with the Army and are distributed uniformly across the area. Similarly, Explosive Detection Dogs (ED Dogs) are only less in the entire country. Your tool will help in finding the concentration of Attack type - Bombing in the area which would help in the allocation of the resources.

Visualizing the data gives clear patterns about the data and makes it easy for analysis

Project WireFrame

1. Main UI Reference

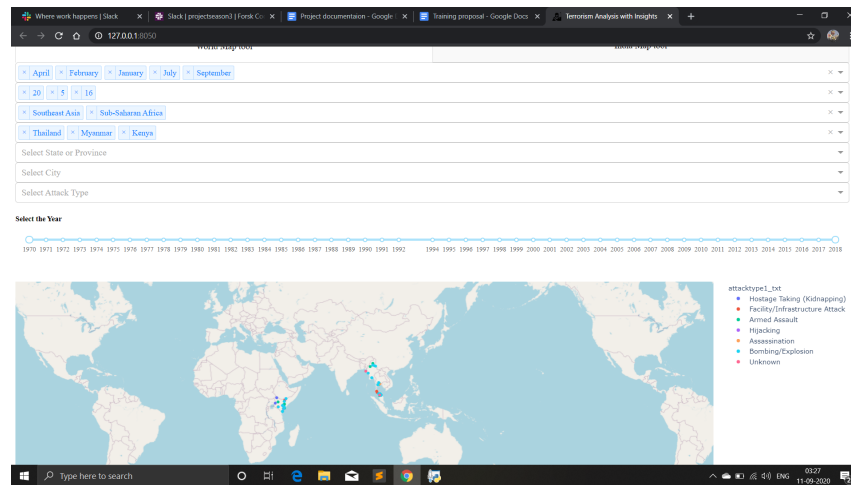


- The main app UI consists of two tabs 1. **Map Tool** and 2. **Chart Tool**

-Map tool :

- The map tool is mainly divided into two parts they are
 1. **World map tool** and 2. **India map tool**

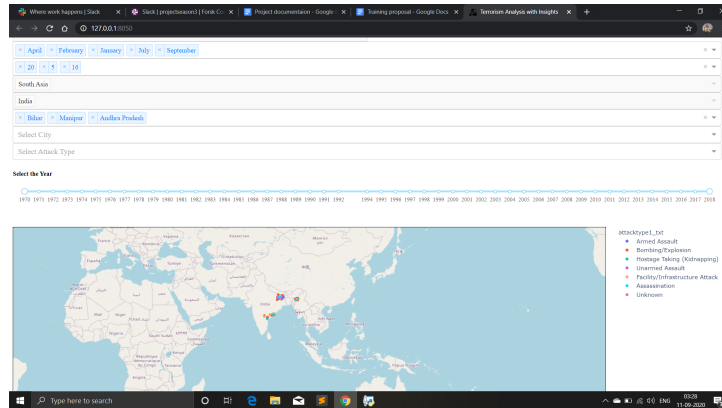
-World map tool:



We can find various dropdowns they are used for the filtering purpose

- **Month Dropdown** is used to filter the months.
- **Date Dropdown** is used to filter the dates.
- **Region Dropdown** is used to filter regions.
- **Country Dropdown** is used to filter countries.
- **State Dropdown** is used to filter states.
- **City Dropdown** is used to filter cities.
- **Attack Dropdown** is used to filter attack types.
- **Year slider** is used for selecting the set or range of years.

-India Map Tool:



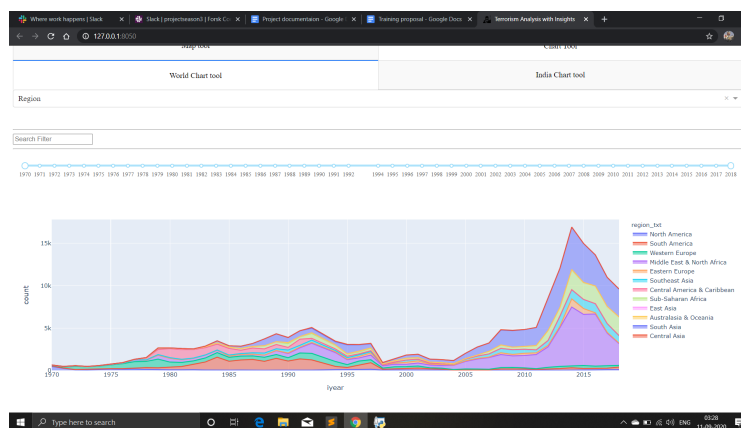
We can find various dropdowns they are used for the filtering purpose

- **Month Dropdown** is used to filter the months.
- **Date Dropdown** is used to filter the dates.
- **Region Dropdown** is selected by default (i.e., South Asia).
- **Country Dropdown** is selected by default (i.e., India).
- **State Dropdown** is used to filter states.
- **City Dropdown** is used to filter cities.
- **Attack Dropdown** is used to filter attack types.
- **Year slider** is used for selecting the set or range of years.

-Chart tool :

- The map tool is mainly divided into two parts they are
1. **World chart tool** and 2. **India chart tool**

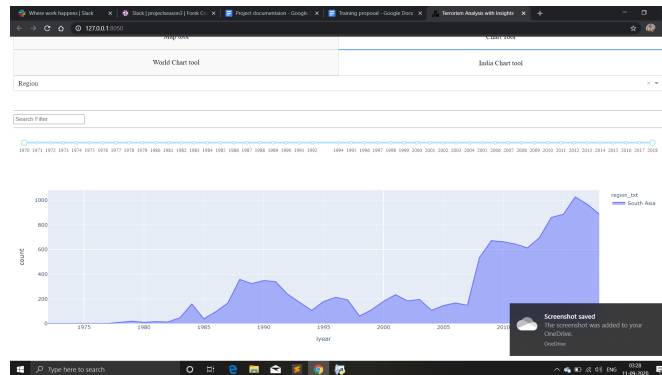
-World chart tool



Here we can find one dropdown and one input field to filter the value and to get the desired output.

- **Dropdown Filter** we can select out of wide range of selections (i.e., Attack type)
- **Input Text Field** we can directly text the categorie

-India Chart Tool



Here we can find one dropdown and one input field to filter the value and to get the desired output.



- **Dropdown Filter** we can select out of wide range of selections (i.e., Attack type)
- **Input Text Field** we can directly text the categorie

Acknowledgement

I am thankful to the Forks Coding School for their guidance. This project would not have been possible without the support and help of Dr. Sylvester Fernandes and Mr. Yogendra Singh. Their immense knowledge, profound experience and professional expertise in Data Visualisation has enabled me to complete this project successfully.

Reference

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Biography

My Name is Jyothi Prakash. Currently B.tech Second year in Gitam University. In the CSE branch I have done this project with the guidance of Forks Coding School.