



# TERRRRORISM ANALYSIS WITH INSIGHTS

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## Overview

Terrorism Analysis With Insights can be used for analysing the terrorist attacks happened all over the world from last 50 years. It is able to show the attack type, name of the region, country, state and city where the attacks have happened.

## Introduction

What is Terrorism?

The word terrorism describes the 'violence' that is 'political'. Terrorism is an act, which aims to create fear among the ordinary people by illegal means. It is a threat for humanity. It includes person or group spreading violence, riots, kidnapping, bombings, etc. In the modern world, the global threat of terrorism is constantly changing, unpredictable and ever increasing. Due to terrorist attacks, thousands of innocent people are lost, and animals are also killed.

The main causes of terrorism development are the production of large quantities of weapons, missiles, bombs, etc., rapid population growth, Social, Economic and Politics problem, lack of education, hatred towards other nations, etc. Today terrorism is not only the problem of India, but in our neighbouring country also, and governments across the world are making a lot of effort to deal with it.

## My Work

### I. Introduction To Project:

My project 'Terrorism Analysis with Insights' is a python based project and can be run using the command prompt. When run it will automatically open the new browser that showcases the output screen of the project, which is as per the client's requirements.

### II. Output Screen Contents

The Output Screen mainly has two parts, Map Tool and Chart Tool which have been depicted as tabs. The Map tool will show all the attacks over the world map and the Chart tool will show the graph representing the number of attacks that happened all over the world in the particular year.

## Implementation

### I. How Project Works

The project uses the UI library named Dash in Python. It provides the detailed view of all the attacks happened all over the world from the year 1970 to 2018 using the world map, the attacks are represented using colored dots, and when hovered it shows the details of attacks like, attack type, region, country and city of where the attack happened etc. It has dropdowns for filtering the data i.e if we want only the particular regions details we can select that particular region only. Also, we can filter the data by other dropdowns like month dropdown, day dropdown, region dropdown, country dropdown, state dropdown, city dropdown and attack type dropdown and a year range slider to select particular year. Now as the clients are from India we have given separate tab for the India, i.e we have two tabs one for showing world map and another is for only india map, It will show only the attacks that has been happened in India and here also we have the same dropdowns to filter the data and also the year range slider. And we have chart or graph displaying the year of attack took place and total no of kills in those attacks all over the world and separately for all over the India.

### I. Libraries Used

Import pandas as pd

Import dash

Import webbrowser

Import dash\_core\_components as dcc

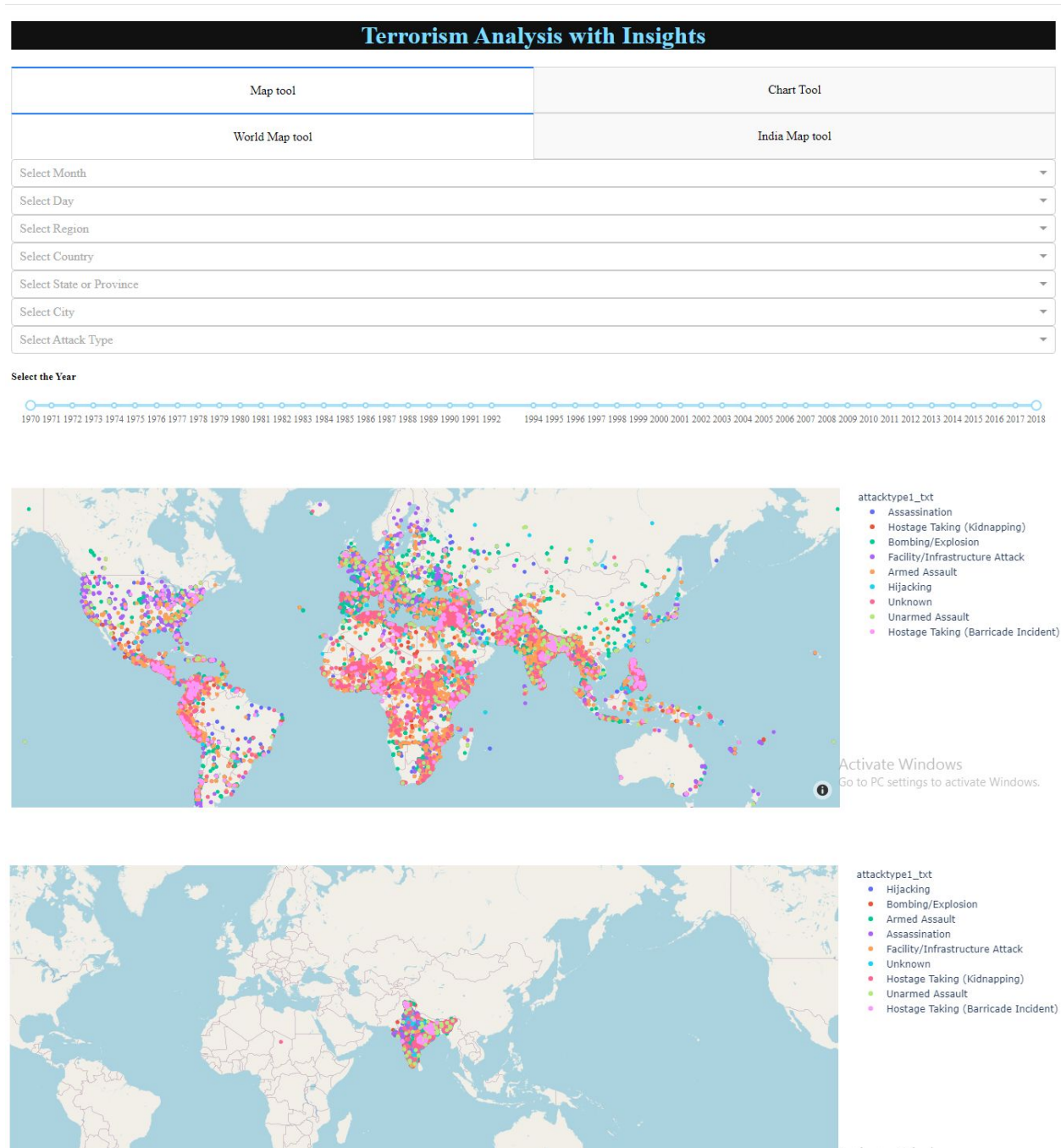
Import plotly.express as px

Import plotly.graph\_objects as go

From dash.dependencies import Input, State, Output

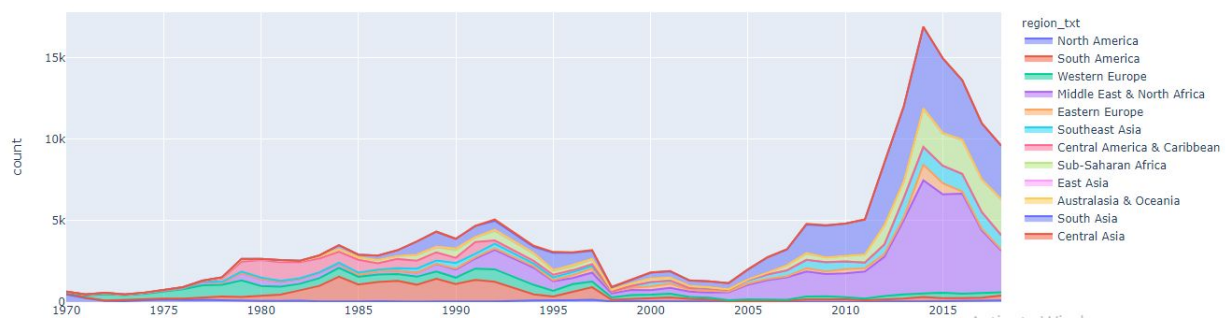
## Results

I have successfully completed the project as per the requirements set by the clients. It meets the requirement specification given by the clients i.e showing attacks on the map, filtration of the data, shows the graph of year v/s no of kills due to attacks etc.

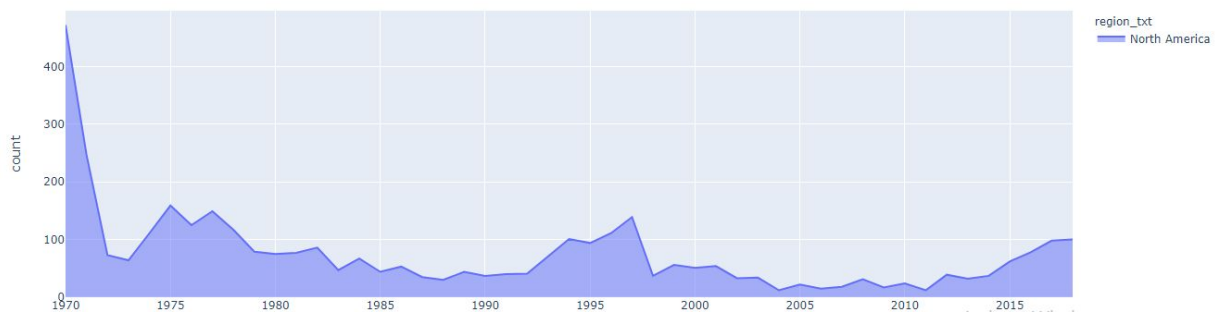


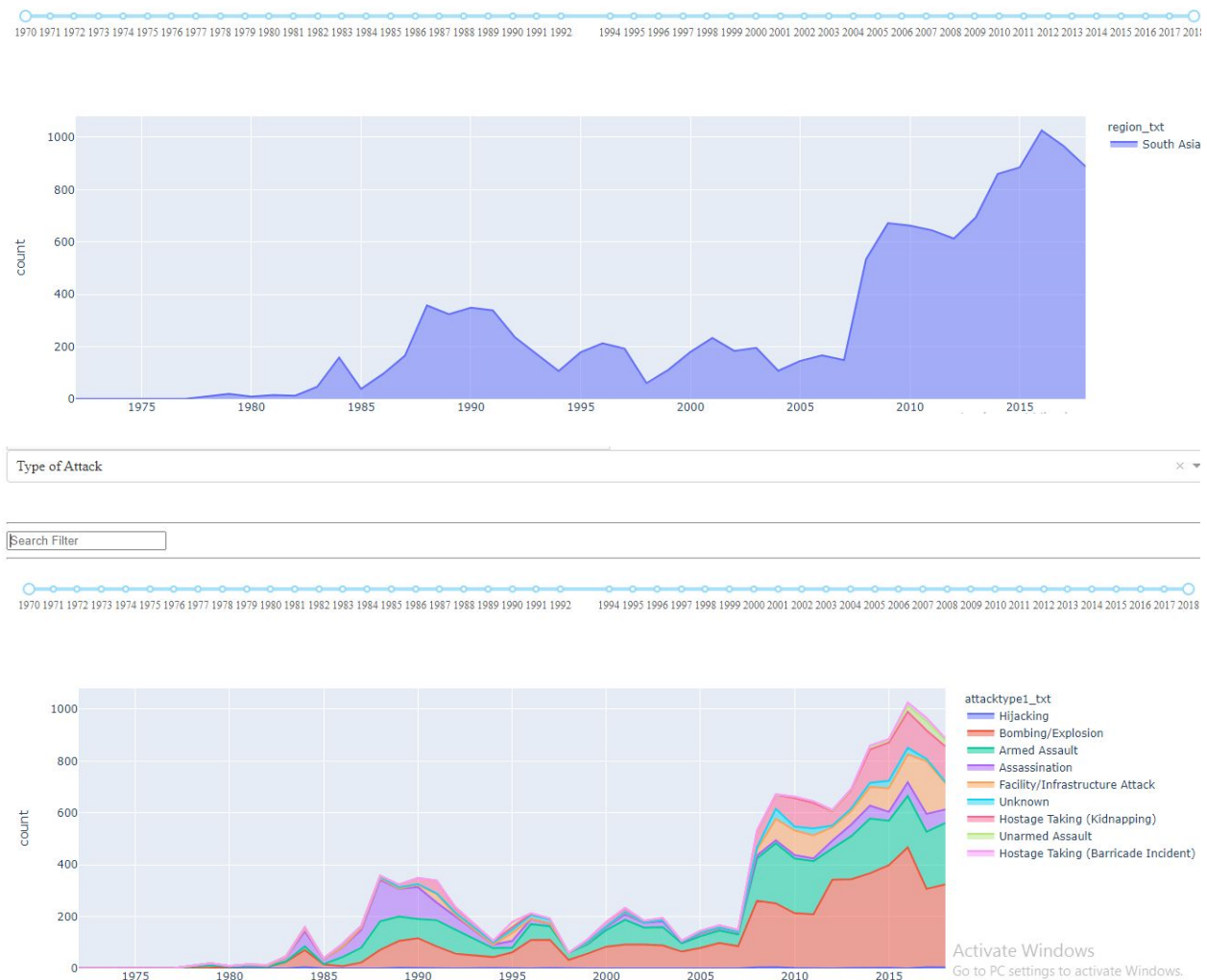
Map tool	Chart Tool
World Chart tool	India Chart tool
Region <input type="text"/>	

Search Filter



North America





For More Details:

Project Demo Video Link :

<https://drive.google.com/file/d/1FNpTQj9yGIP5dXS1hPd66mZXR83qbz5g/view?usp=sharing>

Project GitHub Link:

<https://github.com/sagarvirat183/Terrorism-Analysis-with-Insights>

## Conclusion

The project is successfully developed as per the needs of the clients. The system developed is user - friendly. This project is developed to help the organization to visualize the data and get clear patterns about the data and makes it easy for analysis.

The project only focuses to satisfy the need in the area of Defense and Security to manage their work in an efficient quick and easy way.

## Acknowledgement

I present my project with great pleasure and satisfaction. I would like to thank the people who have supported me during the course of the project.

I am indeed indebted to Forsk Coding School , to Dr. Sylvester Fernandes and Mr. Yogendra Singh for their constant support throughout the project.

I also acknowledge and thank the full support of my Slack team members who guided through all the doubts arose during the project.

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BE(CIVIL)

## References

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- <https://www.w3schools.com/>

## My Biography

My name is sagar g, completed my B E in Civil engineering from Donbosco Institute of Technology,bengaluru. I have successfully completed the course form Forsk Coding School such as Python, AI, Machine Learning and Data Science. the final year team project Apart from these I have completed many mini projects such as 'Library Management System', 'Stock Management System', 'face detection" - a CG project etc. Apart from technologies, i have very keen interest in sports.