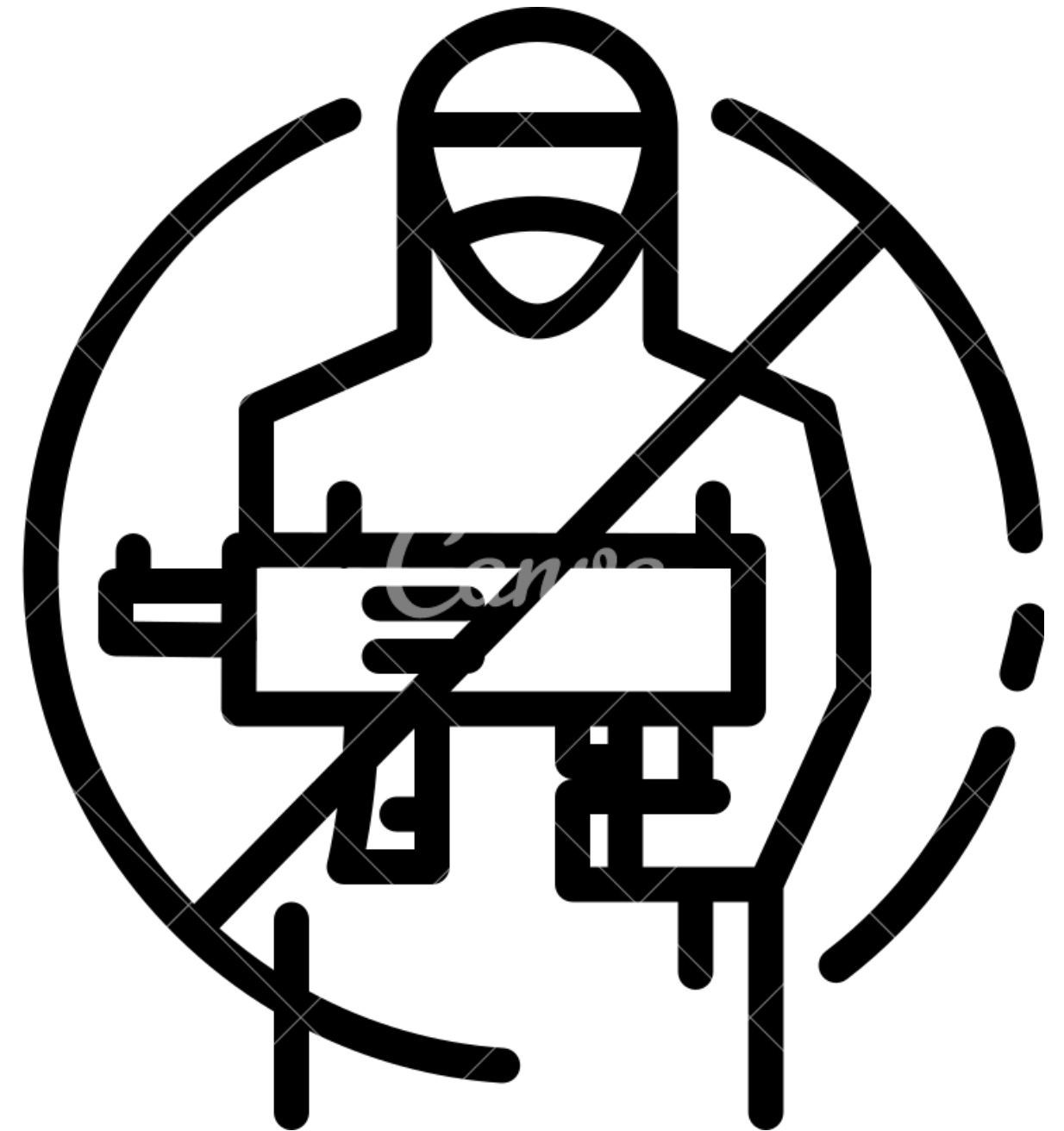


TerrorMetrics

A comprehensive dashboard tool to uncover terrorism patterns

Made by: Aryan Prajapati



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A brief about terrorism

United Nations defines terrorism as:

Criminal acts intended or calculated to provoke a state of terror in the general public, a group of persons or particular persons for political purposes are in any circumstance unjustifiable, whatever the considerations of a political, philosophical, ideological, racial, ethnic, religious or any other nature that may be invoked to justify them.

Terrorism fractures communities, fuels fear, and undermines the social fabric that holds societies together. Addressing terrorism is necessary for a peaceful society.



About TerrorMetrics

TerrorMetrics is a data-driven interactive dashboard that quantifies the global impact of terrorism across five decades (1970–2020). By combining geospatial analysis, trend monitoring, and categorical breakdowns, it transforms raw data into actionable insights.

Designed for clarity and utility, it offers decision-makers:

- **Global Scope:** Visualizes over 200,000 attacks across continents, identifying hotspots and regional vulnerabilities.
- **Impact Metrics:** Tracks not just attacks, but also throws light on the human and financial damage.
- **Offers Temporal trends, Weaponry Insights, and Perpetrators level information.**
- **All the above at country level (default) but can be drilled down up to incident level or drilled up to show global overview.**
- **The dashboard is fully interactive, unlocks a whole new level of insights.**



Target Audience

TerrorMetrics is not just another tool, it offers utility and a strong way to generate detailed insights about terror attacks.

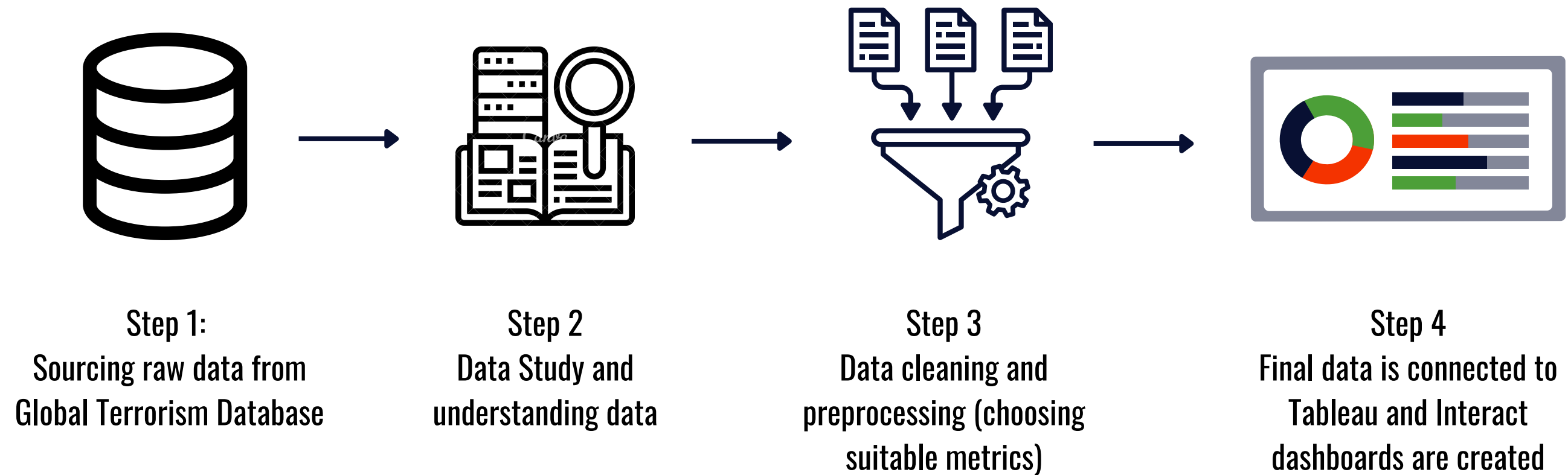
It caters to a wide variety of audience:

- Policy Makers & Government Agencies (To allocate security resources, assess the effectiveness of counter-terrorism strategies.)
- Intelligence & Security Analysts (Planning operations, evaluating group tactics)
- Researchers & Academics (Study of terrorism trends for research)
- NGOs & Human Rights Organizations (Humanitarian aid planning, identifying vulnerable populations)
- Data Journalists & Media (Storytelling with data, contextualizing global events)
- International Bodies (Cross-border intelligence, global threat assessment)



Workflow

Following workflow shows the high-level process behind the development of tool.



Components TerrorMetrics Dashboard

All the components of this dashboards are shown

Spatial Distribution

Weapons heatmap



Filters

Key Metrics

Areas and groups requiring most attention



Use Cases

1. Getting Dashboard for a specific region(s) and country(s)

Chosen Region: South Asia



Chosen Countries: China and Japan



Use Cases

2. Using Dashboard interactivity to gain deeper insights

Chosen Region: Eastern Europe

Soecific Attack locations are chosen and a specific weapon type is selected



Demo Insights

Chosen country: India

- The number of attacks rose sharply post-2000, peaking between 2008–2014, indicating intensified militant activity during that period.
- Casualty trends show multiple waves of violence, particularly during the early 1990s and the mid-2000s.
- Jammu & Kashmir: Epicenter of terrorism with over 3,000 attacks, driven by separatist and insurgent movements. Chhattisgarh: A core area of Maoist insurgency. Assam: Longstanding ethnic and separatist violence.
- Despite technological advancements, explosives and firearms remain primary tools, indicating a need for better detection and control of these materials.



Future Developments

- Terror Group profiling: Will require more data about terror groups
- Explore more on social impact: Will require additional data.
- Adding Vulnerability scoring across countries (developing a new feature): Will require additional data.
- Linking the policy results: Depends on stakeholder needs.



Thanks

Feel free to ask questions