



RESEARCH AMERICA SUMMIT

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● Relational Linkages of Associational Networks in Terrorist Events

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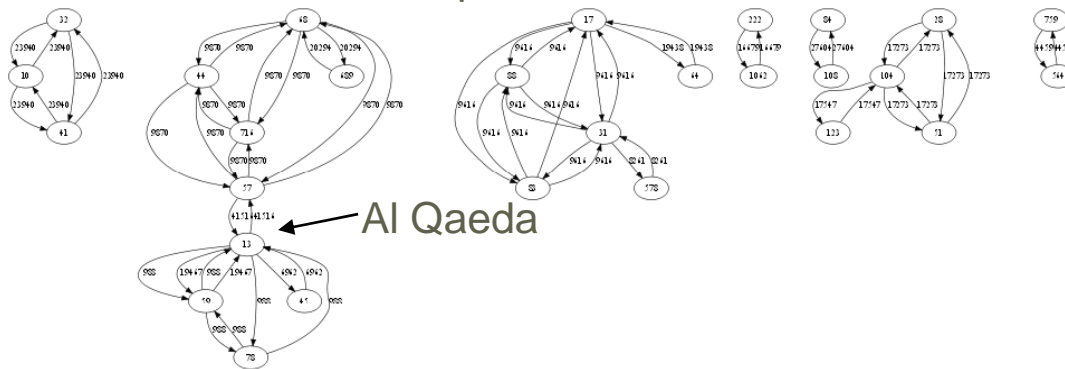
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In partnership with the Institute for Study of
Violent Groups - Sam Houston State Univ.

- Can violent group behavior be studied and forecast employing artificial intelligence and network clustering methods to OSINT?
- We seek to better understand:
 - How terror groups form and evolve
 - How tactics develop and migrate
 - How outside factors impact the evolution of transnational groups employing violence
 - How to collect better quality OSINT for analysis

- We capture relational snapshots of terror group activity, visualizing how they intersect politically, tactically and rhetorically using OSINT material in relational network maps

Kashmiri Groups

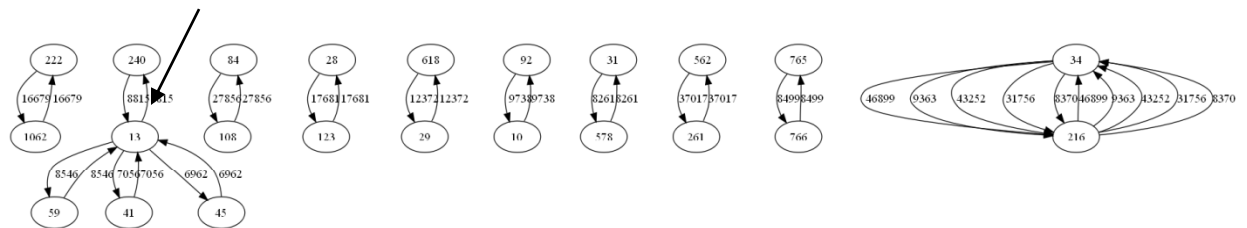


World terror OSINT sample - pre-Bali bombing 2002 (90 days)

Ji/Abu Sayyaf

Al Qaeda

World terror OSINT sample - post-Bali bombing 2002 (90 days)



- Areas for growth include:
 - Creation of schema for group distance and weight
 - Simulation of group behavior based on gap-laden data
 - Development of visualization and modeling combining ISVG terror group data with social indicators and economic data gathered at varying temporal granularity
 - Creation of a geopolitical instability barometer based on OSINT terror group coverage
- Contractual support for data analysis and evolving collection capacity - \$1.25m (2 years)

- Application to IC missions may include:
 - Visualization of group/network behavior via non-traditional lenses
 - Evaluation of OSINT intake at varying levels of analysis on varying geographic and topical thrusts
 - Development of information sharing tools for OSINT portable to non-traditional customers
 - Algorithmic products for the measurement of geopolitical risk for a global system increasingly populated by trans-national actors