

IST Research

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*Insights from Hard-To-Reach
Populations*

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IST Research Corporation

Who are we?

We are a small, distributed, field-focused engineering company that focuses on developing engagement and monitoring solutions for difficult humanitarian and security problems.

IST helps you understand hard to reach communities by providing insight into their thinking and engaging them in two-way conversations via our Pulse platform.



Ebola
Monitoring



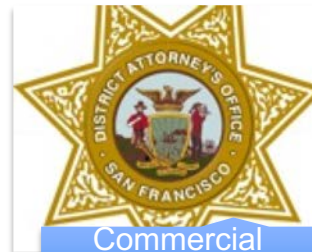
Afghan
Teacher Pay



Forced Labor



Monitoring
and
Evaluation



Commercial
Sexual
Exploitation

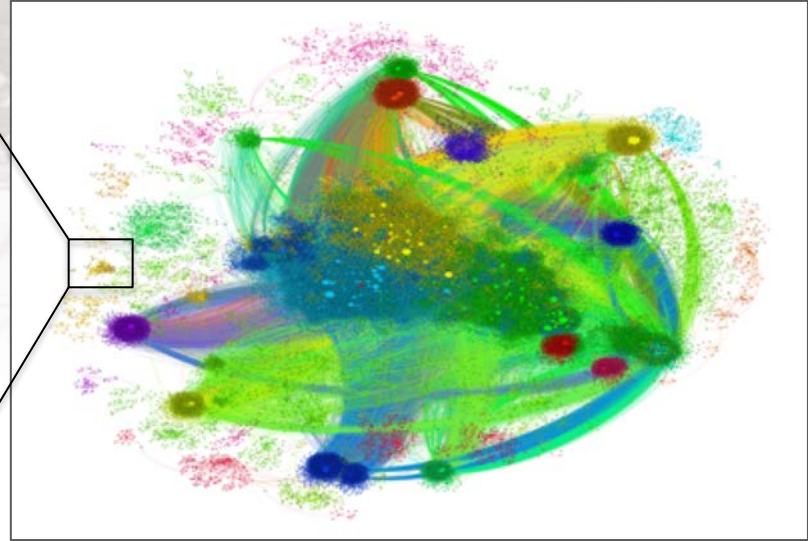
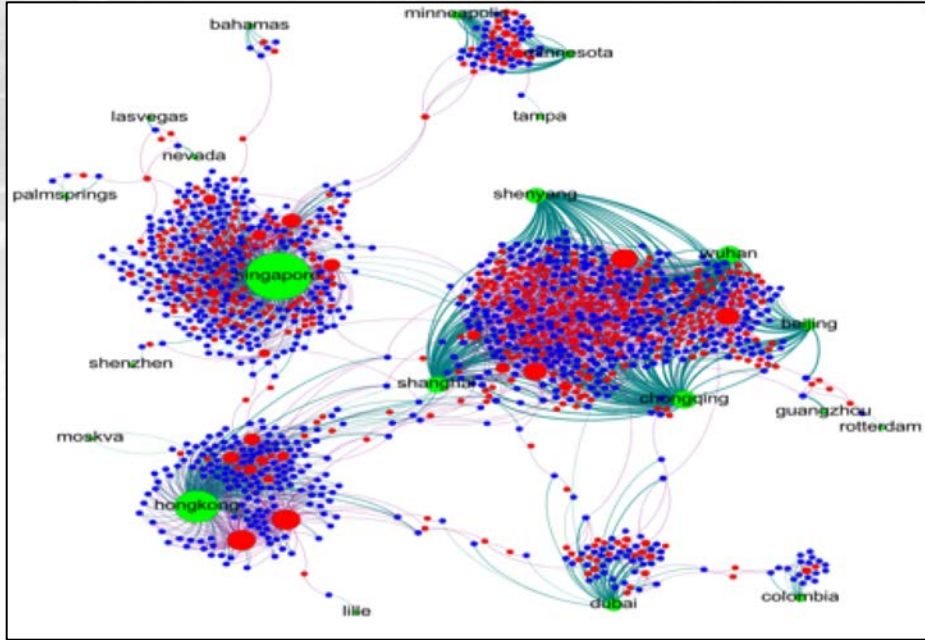


Civil Affairs

Agenda

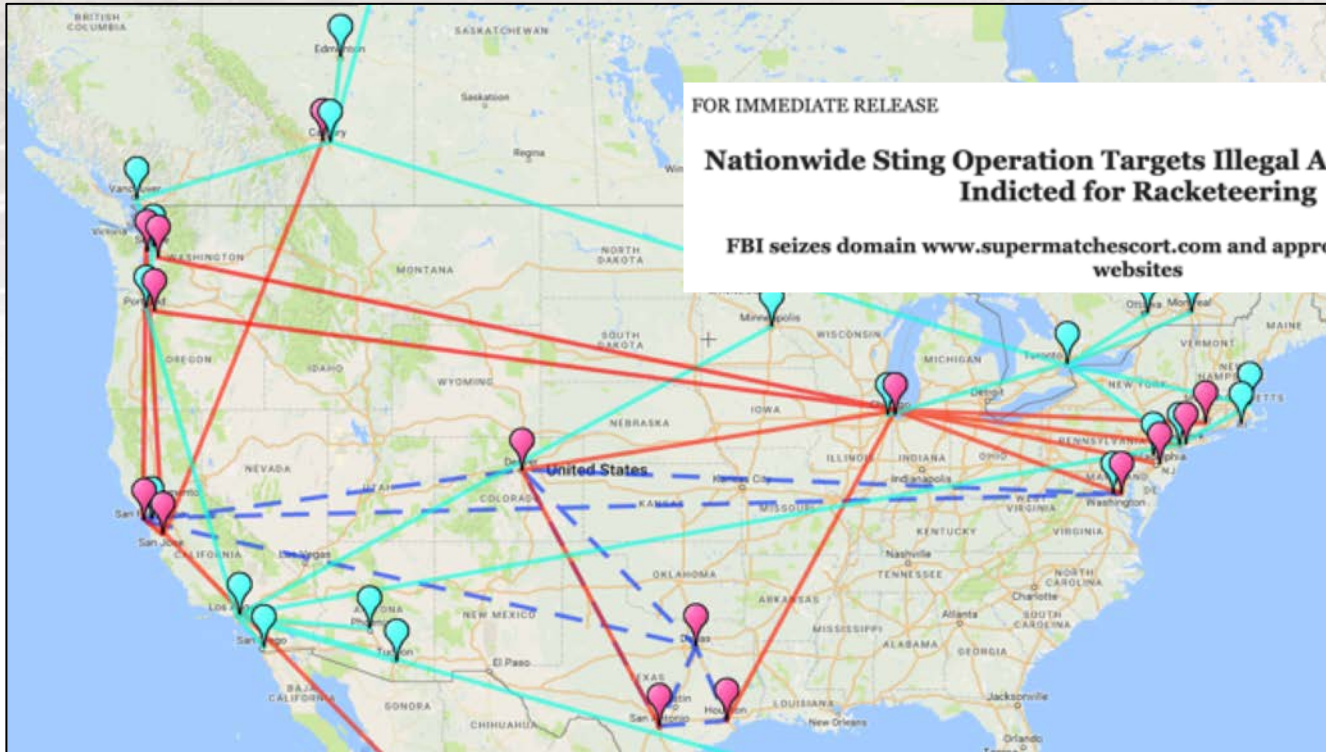
- 1. Insights from the Open, Deep, & Dark Web*
- 2. Remote Estimation of Hidden Populations*
- 3. Data Processing for Discovery & Investigation*

Insights from the Open, Deep, & Dark Web



- **Collect, extract, and index valuable data in real-time from across the web**
- **Perform counter-trafficking investigations & support investigators at Agency, DA, LE, & NGO offices around the world**

Insights from the Open, Deep, & Dark Web

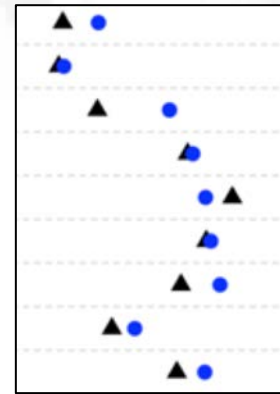
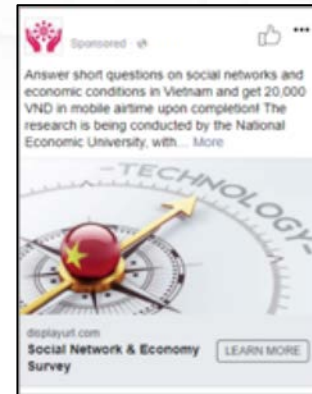


Remote Estimation of Hidden Populations

In support of the Global Fund to End Modern Slavery (GFEMS), we leveraged our remote engagement capability to perform surveys on the prevalence of forced labor and child labor in the apparel industry in Vietnam.

We used the survey responses to inform a network scale-up method (NSUM) based hidden population estimator.

This approach to prevalence estimation is designed to require 10% of the time and 10% of the budget traditionally required for PEs, and can be used to support longitudinal monitoring and evaluation and intervention program effectiveness.



Data Processing for Discovery and Investigation

Supporting human security operations in real time requires rapid and scalable data collection and sense-making capabilities.

IST leverages artificial intelligence to perform language-agnostic text and image processing, object recognition, OCR, captioning, behavioral classification, content discovery, and several other analytical tasks. These provide indicators, estimates, and alerts to end-users.

