Classifying Evil: Lessons from Hunting Human Traffickers

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Agenda

- Human Trafficking and Criminal Convergence
- Know Thine Enemy
- Connecting Silos
- Deciphering Crypto Language
- Creating Behavioral Analytics
- Incremental Innovation

City girl gone coastal
Human Trafficking and Criminal Convergence
What’s Trafficking?

“The recruitment, transportation, transfer, harboring, or receipt of persons by means of threat, force, abduction, fraud, deception or abuse of power and giving or receiving payments or benefits to exert control over another without their consent for the purpose of exploitation.”

- Sex Trafficking
- Forced Labor
- Debt Bondage
- Domestic Servitude
- Child Soldiering
- Mail-Order Brides
- Forced Begging
- Child Sex Tourism
Trafficking by the Numbers

- **45.8 million victims currently enslaved**
- **$150 billion** worldwide annually
- **2nd most profitable crime globally**
- **11,096 prosecutions in 2018**
- **7,481 convictions in 2018**
- **85,613 victims identified in 2018**

Know Thine Enemy
“KILL CHAIN ANALYSIS IS A GUIDE FOR ANALYSTS TO UNDERSTAND WHAT INFORMATION IS, AND MAY BE, AVAILABLE FOR DEFENSIVE COURSES OF ACTION.” – LOCKHEED MARTIN
Human Trafficking Kill Chain

- Recruitment
- Transportation
- Entrapment
- Brokering
- Delivery
- Exploitation
Impact Spectrum

- Strength of Action
- Length of Impact

- Detect
- Deny
- Disrupt
- Degrade
- Deceive
- Destroy
Connecting Silos
Counter-Trafficking Stakeholders
Who Owns the Data?

**Government**
- Government Agencies
- International Organizations
- Law Enforcement
- Justice System
- Legislators

**Non-Profits**
- Anti-Trafficking Organizations
- Victim Services
- Hotline Operators
- Academics

**Public**
- Private Businesses
- Internet Service Providers
- Healthcare Providers
DHS, DOT and Amtrak Announce New Partnership to Combat Human Trafficking

An eavesdropping Uber driver saved his 16-year-old passenger from her pimps, police say

Growing number of flight attendants trained to identify human trafficking on airplanes

13 people suffocate in Libya shipping container tied to human traffickers: aid group

Ex-Boca spa owner pleads guilty in prostitution sting, avoids lengthy prison sentence

Facebook, responding to lawsuit, says sex trafficking banned on site
Deciphering Crypto Language
sorta strange encounter back florida business wanted challenge adventure
picking relatively unknown spa well shoulda stuck usual haunts florida
business saw ad never seen majestic
would totally refreshing discovery brand spanking
new spa
japanese
im sure heard short conversation chinese guess possible girl
utterly devoid english language
understanding word said even understanding word said even understanding
several times one time asked name drew diagram looked sorta like japanese
chinese character much name sorry guys new game skills rough first
thought knew nothing massage felt might training started hard massage
total lack english
kissing bbbj
"sorry sorry sorry"
total lack English
"sorry sorry sorry"
"sorry sorry sorry"
"sorry sorry sorry"
"sorry sorry sorry"
Monitoring Language Drift
Illicit Massage in the US

All Day Walk in Massage and Massage, and an invoice from
Fordham Parkway, Gulf Breeze, FL 32563. All of these
Massage LLC listed its address as 3268 Fordham Park-
Way” in the memo line. The check appears to have been
check was for the rental or insurance of 3268 Ford-

Williams’s Google account also contained an image of a ch

| Asian Full Body Deep Tissue Massage $40 1/2hr $60 1hr $90/90min | $20 Table Shower | Free Hot Stones | Hot Towels | All Natural Organic Chinese Oil | Couples Massage | 4 Hands Massage | Swedish Massage | Shiatsu Massage | All Of Our Licensed Staff Are Certified Oriental Tui Na Masters | Fresh Linen | Super Clean
**Ex-Boca spa owner pleads guilty in prostitution sting, avoids lengthy prison sentence**

<table>
<thead>
<tr>
<th>Place Of Birth (City/State/Country)</th>
<th>Date Of Birth (Month/Day/Year)</th>
<th>Sex</th>
<th>Female</th>
<th>Male</th>
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<td>Chong Qing, China</td>
<td>08/19/1963</td>
<td></td>
<td>Female</td>
<td></td>
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</table>

Race And National Origin

- [] Caucasian
- [] Oriental
- [x] Native American
- [x] Black

Physical Description:

- [x] Other: 
  - [x] (Color of Eyes): Brown
  - [x] (Color of Hair): Black
  - [x] (Other Means of Identification): 
    - [x] (Driver's License Number): 4600-940-149-0
    - [x] (Height): 5'5'
    - [x] (Weight): 120 lbs.

Address:

- 917 215-0515
- 314 E. 120 APT 3
- NEW YORK NY
- 10035 lixiaoqin2000@yahoo.in
Eight different massage parlors and eight different women all now face charges for soliciting prostitution or offering massage therapy without a license.
Suspicious Patterns
Incremental Innovation
Objective:

✓ Automated human trafficking content classifier
✓ Transparent risk classification
✓ Scalable solution
✓ Rapidly identify risky businesses, individuals, ads, and reviews
✓ Assist partners mitigate risk and liability
Labels:
• Badge/Emblem
• Animal
• Squirrel
• Text: Dean Close Squirrels
• Text Color: Yellow

Labels:
• Jumper
• Main Color: Red

Labels:
• Bag
• Red

Labels:
• Shoes
• Main Color: Black

Labels:
• Dress
• Main Color: White
• Stripes
• Stripes Color: Red

Labels:
• Bag
• Red

Labels:
• Socks
• Main Color: White
Apply:
Hunting Hackers → Hunting Traffickers

- Predict Your Risk Level
- Use Algorithms to Extract Meaning
- Plan for Adversary Action
- Make Informed Policy
Apply Cyber Security Skills to Help GEN:

- Scalable Data Collection
- Cryptocurrency Tech and Financial Classifiers
- NLP Tools
- Advanced OCR Tools and Techniques
- Image and Video Analysis
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