2024 Fall Training Symposium Agenda

Friday, October 18, 2024
7:30AM to 3:30PM

HOST:
Virginia State Police Training Academy
7700 Midlothian Turnpike, North Chesterfield VA

*LIMITED TO A LAW ENFORCEMENT ONLY AUDIENCE

	Analyst Resources *Classroom 105*	Intersecting with Public Safety *Classroom 317*
07:30 – 08:15	*Registration, Coffee & Networking*	
08:20 – 08:30	*Welcome, Business Meeting*	
08:45 – 09:45	**Minutes Matter: Using Free Tools to Automate Intelligence Products** Amanda Bruner (*CNA Corporation*), Charley Giberti (*Research Innovations Inc*), & Courtney Corriere (*Blacksburg, VA Police Department*)	**Bits, Bytes, and Beyond: Everything You Ever Wanted to Know About AI** Christopher Cruz *Virginia Fusion Center*
10:00 – 11:00	**No Code, No Problem: Analysts don't need to learn to code, they just need ChatGPT** Amanda Bruner & Charley Giberti	**The Impact of Gang Networks on Public Safety** Ben Wright *Abilis Solutions*
11:00 – 11:45	*Lunch*	
11:45 – 12:45	*After lunch event: networking game* (Classroom 105)	
13:00 – 15:00	**FBI Codebreakers *** David Simpson *Federal Bureau of Investigations*	
15:00 – 15:15	*Awards & Contest Winners, Announcements & Closing Remarks*	

08:45-09:45

Minutes Matter: Using Free Tools to Automate Intelligence Products: This presentation focuses on using free tools to automate common law enforcement intelligence products and serves as a case study on the transformative power of automation from the Blacksburg Police Department (BPD). While working with analysts from a federal grant program, BPD has been able to integrate disparate RMS and CAD systems from multiple surrounding agencies into one system and automate the creation of offender workups, address workups, and link charts using nothing more than tools available in Microsoft Office. Using these tools, BPD has transitioned to a regional intelligence analysis hub.

Bits, Bytes, and Beyond: Everything You Ever Wanted to Know About AI*:* Whether your curious about artificial intelligence (AI) or just terrified, this presentation will offer a crash course in the core concepts of AI and its intersection with public safety. Using real-time demonstrations, we'll establish a simplified understanding of what AI is and how it works before deep-diving several case studies. Finally, attendees will walk away with an approachable framework for better understanding AI and engaging in conversations with stakeholders and/or vendors on the topic.

10:00-11:00

No Code, No Problem: Analysts don't need to learn to code, they just need ChatGPT: Unlock the full potential of your analytical toolkit, whether it includes Excel, PowerBI, ArcPro, Access, Tableau, i2, or other intelligence analysis tools. These platforms have always had associated coding languages that analysts could use to exponentially improve their products; however, Until November 2022, mastering coding for these platforms demanded extensive study. Enter artificial intelligence, and the game has changed. This presentation is your guide to leveraging ChatGPT, a free resource that empowers analysts of all technical levels to enhance their capabilities across any analytical tool.

Delving into the most widely used analytical tools and their associated coding languages, we explore the transformative impact of coding in MS Excel, where formulas and Visual Basic coding unlock powerful data cleaning and automation. In PowerBI, the mastery of DAX formulas allows for unparalleled customization. Python and SQL emerge as versatile languages for intelligence analysis tasks, and this presentation introduces these concepts, highlighting how ChatGPT eliminates the need for extensive coding study.

Drawing on real-world examples from the presenter's experience consulting with local law enforcement agencies, participants will actively engage with practical demonstrations. Regardless of technical proficiency, every participant will leave having generated custom code they can use with their preferred tools to streamline various intelligence analysis tasks. More crucially, attendees will gain insights into optimizing ChatGPT as a potent force multiplier within their analysis units. Elevate your analytical prowess without the coding learning curve – ChatGPT is now your personal developer.

***The Impact of Gang Networks on Public Safety*:** As a former educator and warden for the Virginia Department of Corrections, Mr. Wright will discuss his experience with gangs and Security Threat Groups. This presentation will cover the formation of gangs in the United States. Also discussed will be how gang behavior in correctional settings can influence public safety in the community. Establishment of communication among correctional and law enforcement personnel is vital to reducing the impact of gang behavior. The utilization of data to understand and combat gangs is also important in the prevention of criminal behavior in correctional facilities and the community.

13:00-15:00

FBI Codebreakers*: The FBI Codebreakers in the Cryptanalysis and Racketeering Records Unit (CRRU) specialize in breaking gang and inmate codes and ciphers, tattoo and symbol recognition, and decrypting spoken coded languages like Pig Latin and Gibberish. CRRU provides free codebreaking and expert witness testimony and is the only forensic discipline to provide this type of analysis to law enforcement and corrections.