

Inaugural National
Capital Region Fire
& Emergency
Analysts
Symposium

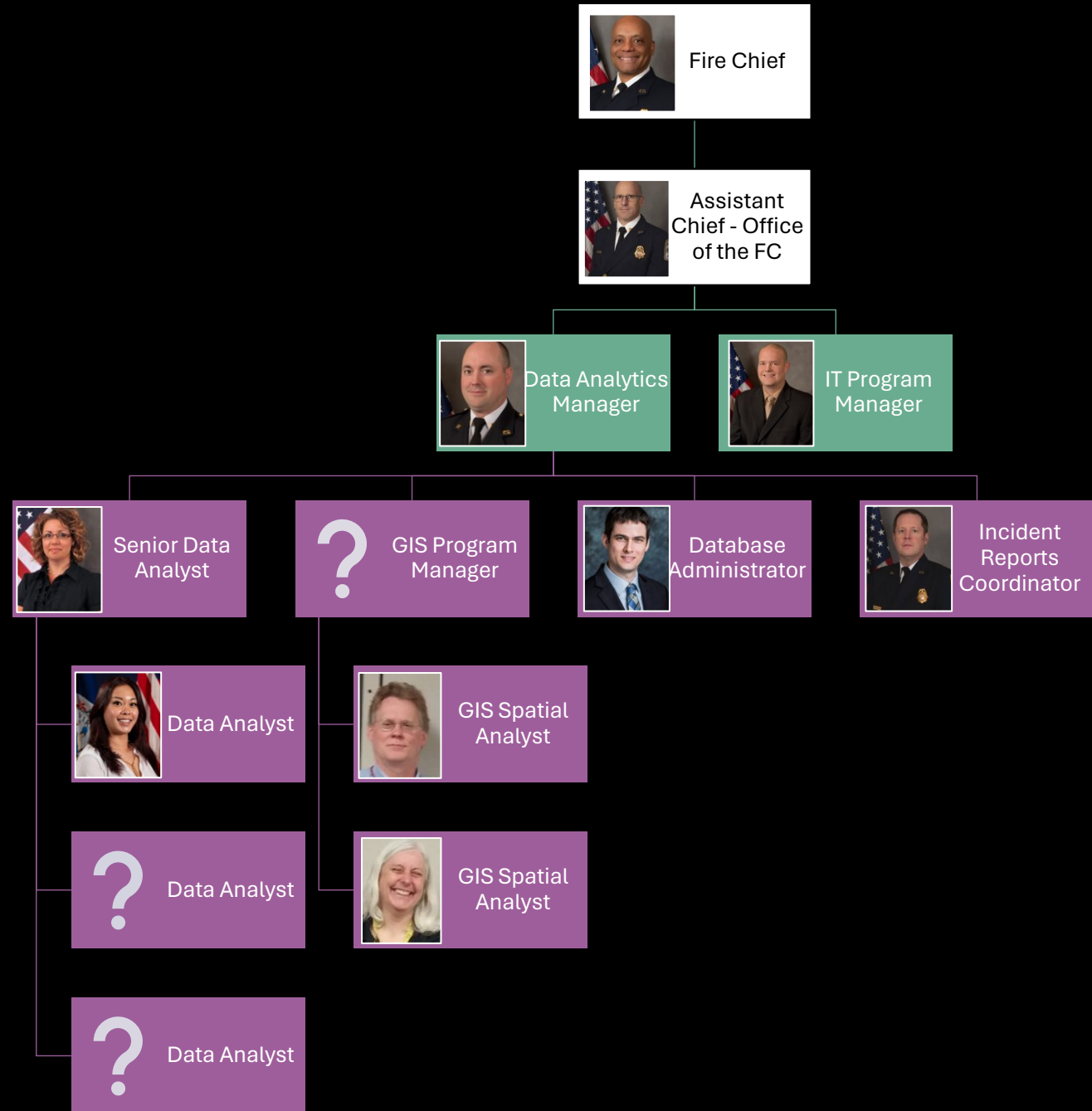
Agenda

Introductions

Who's Here

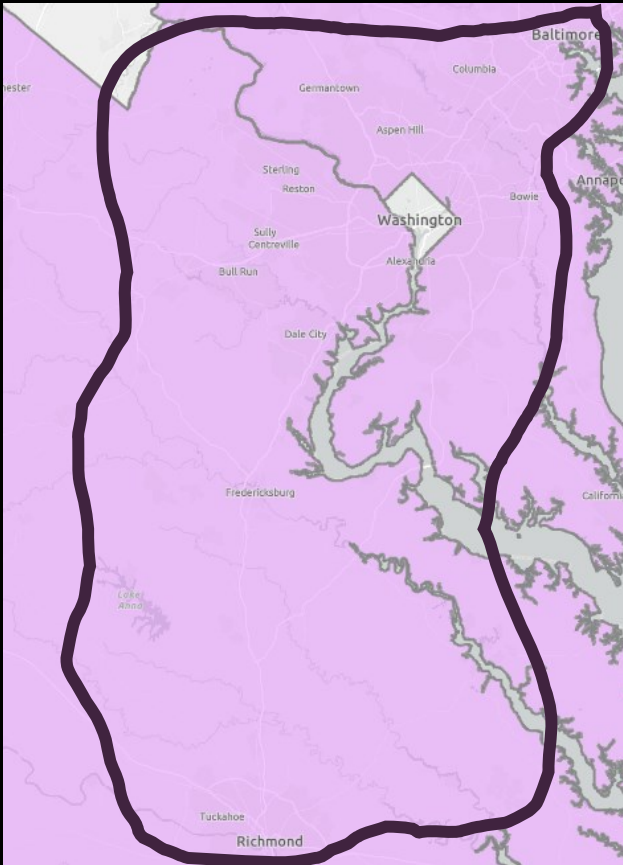
Today's Plan

What's Next

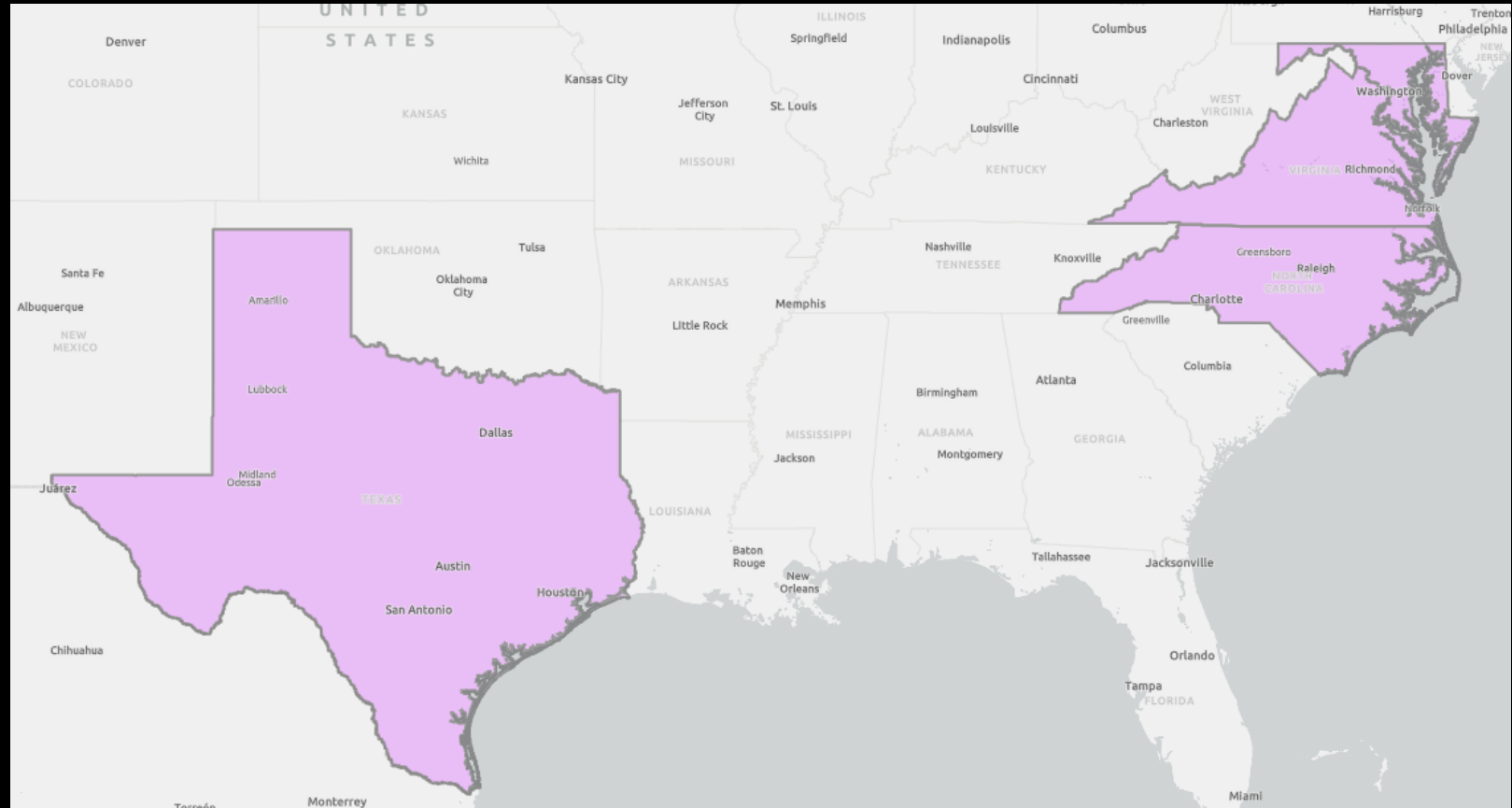


Who's Here?

Who we expected

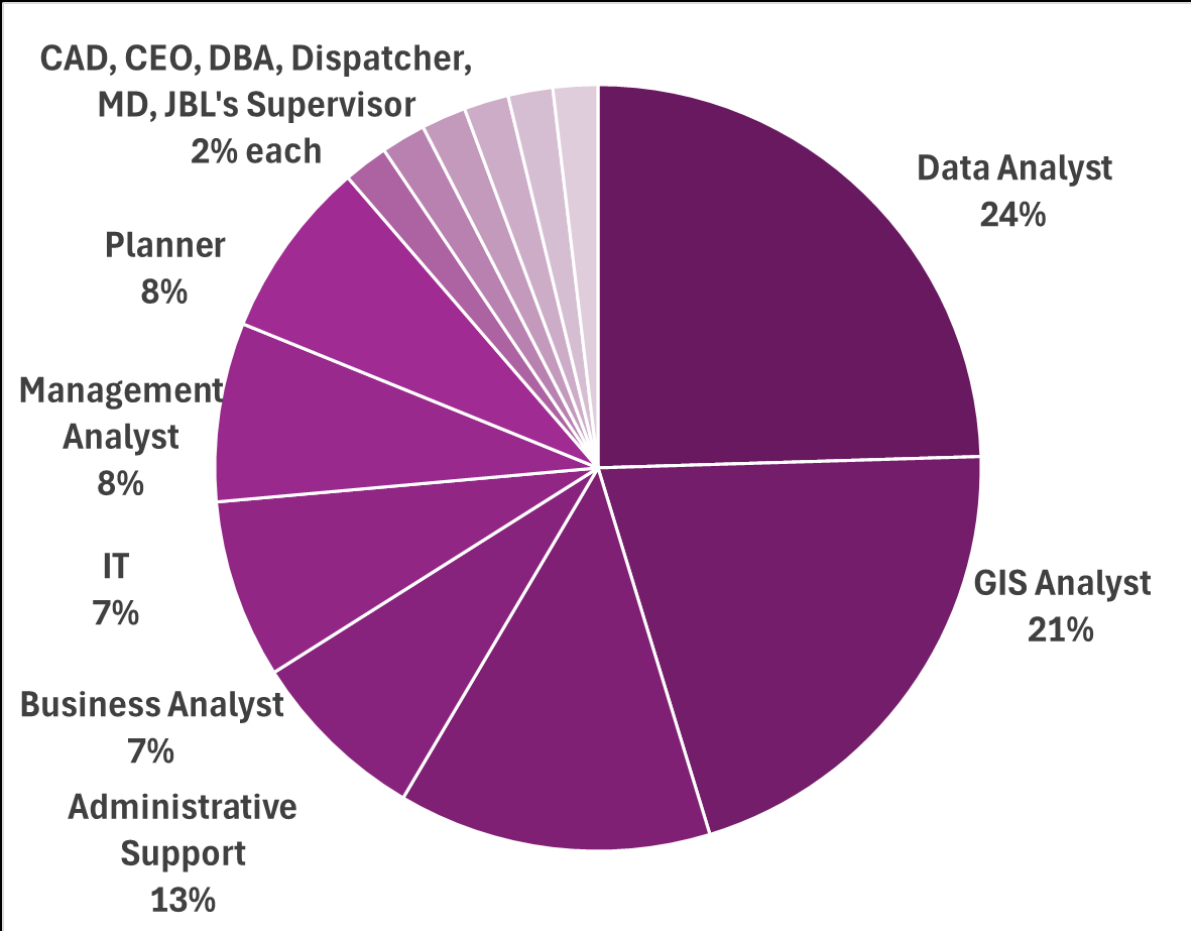


Who arrived

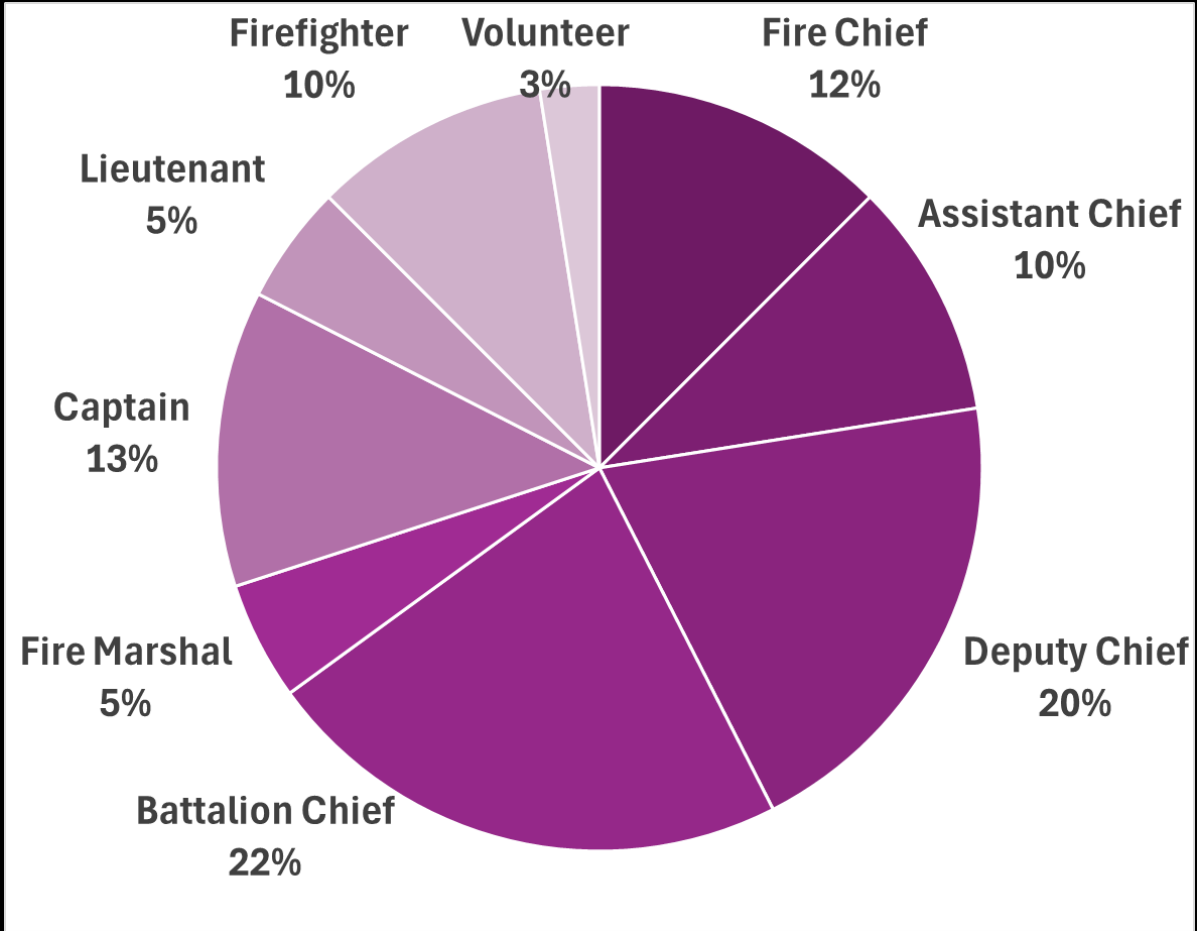


Who's Here

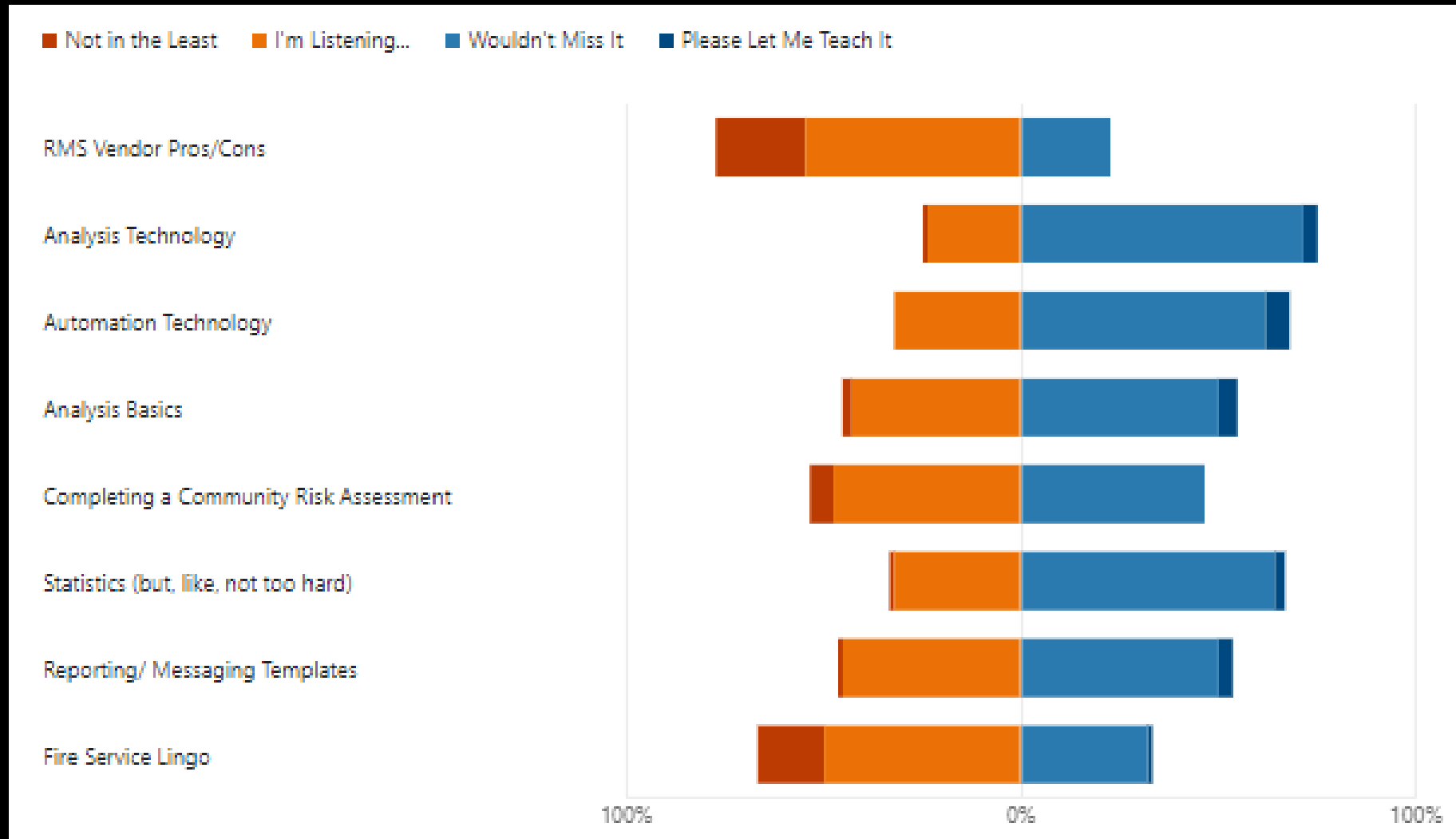
CIVILIAN



UNIFORM



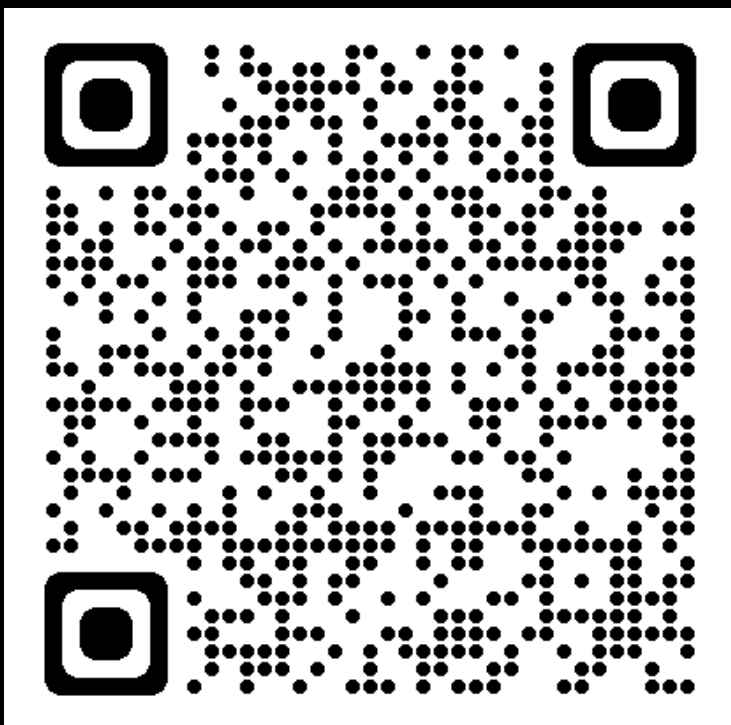
What Topics Most Interest the Group?



Today's Plan

Two break-out rooms 8:45-11:15 & 1:00-3:15
Group lunch & panels 11:15-12:45
Closing, networking 3:30-4:00

- Agenda



Time	Brand Spanking New (<3 Years in the Field) <i>Room 2105/2107</i>	I Know a Little Bit (3+ Years in the Field) <i>FASST Lab</i>
8:45 - 9:45	Fundamentals of Data Analysis Jessica LeBlanc	Outliers: Are we really measuring what we think we are? Blake Boyd
10:00 - 11:00	Introduction to the Data Analytics Statistical Toolbox John Hanke	Guiding the Better Question Chief Charles Bailey
11:15 - 12:45	LUNCH TOGETHER 11:30 - 12:00: Chiefs Panel John O'Neal, Alan Butsch, Emily Pelliccia Moderator: John Morrison	LUNCH TOGETHER 12:00 - 12:30: Analyst Panel Jessica Handoko, Lucas Lyons, Sarah Sanchez, Blake Boyd Moderator: Jessica LeBlanc
1:00 - 2:00	Relay the Message, Reporting What & Why?! Jessica Handoko	Automating with the Microsoft Power Platform John Morrison & Jessica LeBlanc
2:15- 3:15	Best Bang for Your Buck Technology John Morrison	The Art of Obtaining Buy-In Captain Henry Charles

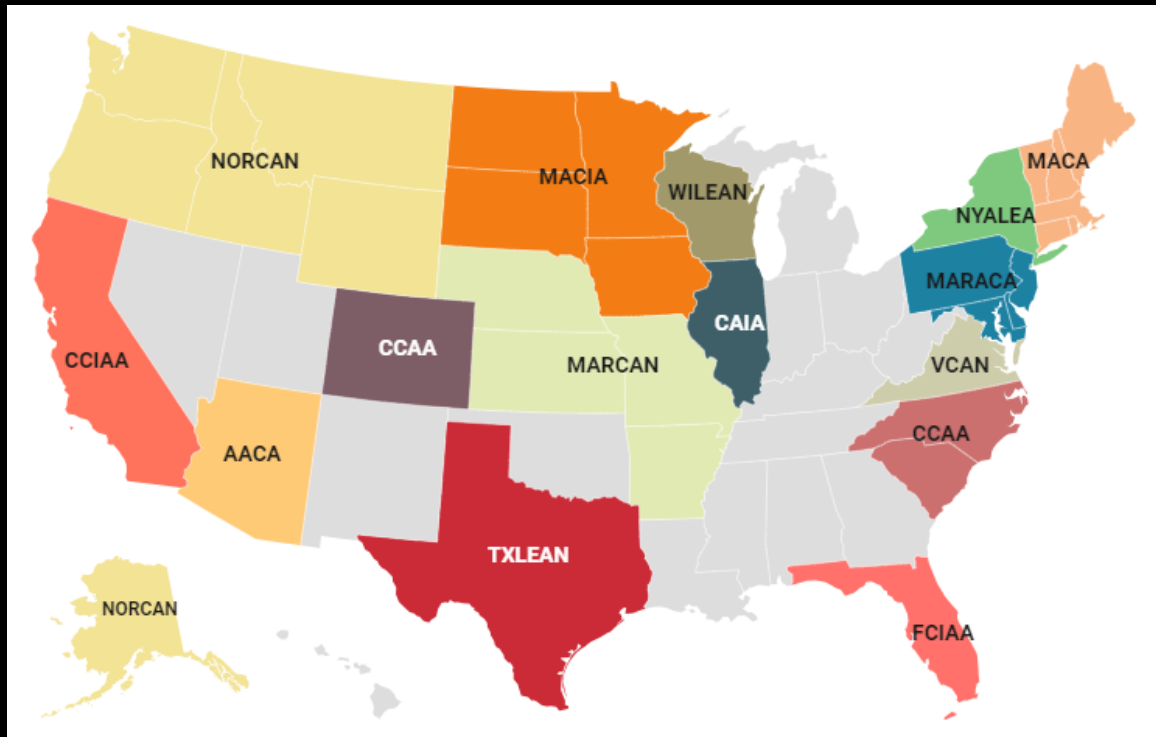
The Crime Analyst Association Model

International Association of Crime Analysts (IACA)

- 501(c)3
- Over 6,000 members in 80 nations

Multiple state/regional associations recognized by the IACA

- Independently governed



Various Membership Models

Most include group/agency discounts

IACA (\$5-\$25 per year)

- Current employees of law enforcement or criminal justice agencies
- Educators working in the fields of criminal justice or criminology
- Students and other individuals seeking careers in crime analysis
- Private-sector employees who provide products and services related to crime analysis.

MARCAN (\$15-\$40 per year, includes IACA)

- Any local, state, or federal law enforcement employee.
- MARCAN members are often crime or intelligence analysts but law enforcement employees of any role may join.

What's Next?

Informal Gatherings vs Formal Association

Reach – how far?

- National Capital Region
- Mid-Atlantic
- National
- International

Governance & Affiliation – who?

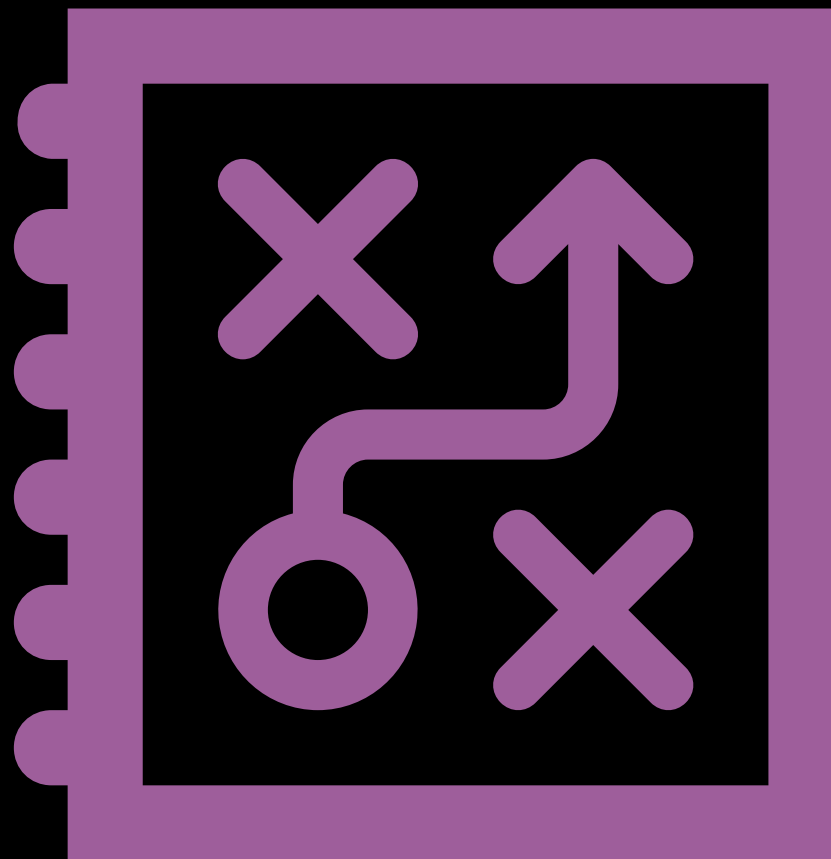
- Board of Directors
- Bylaws
- Branding (logo, motto, etc.)
- Affiliation with IAFC or other Association

Pros & Cons



	Informal Gatherings	Formal Association
Networking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Structure		<input checked="" type="checkbox"/>
Credibility		<input checked="" type="checkbox"/>
Access to Resources	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flexibility	<input checked="" type="checkbox"/>	
Low Cost	<input checked="" type="checkbox"/>	
Legal Protection		<input checked="" type="checkbox"/>
Training Accountability		<input checked="" type="checkbox"/>

Go forth and
do great things!



Chief's Panel

John O'Neal (City of Fairfax, VA) | Emily Pelliccia (Albemarle County, VA) | Alan Butsch (Montgomery County, MD)

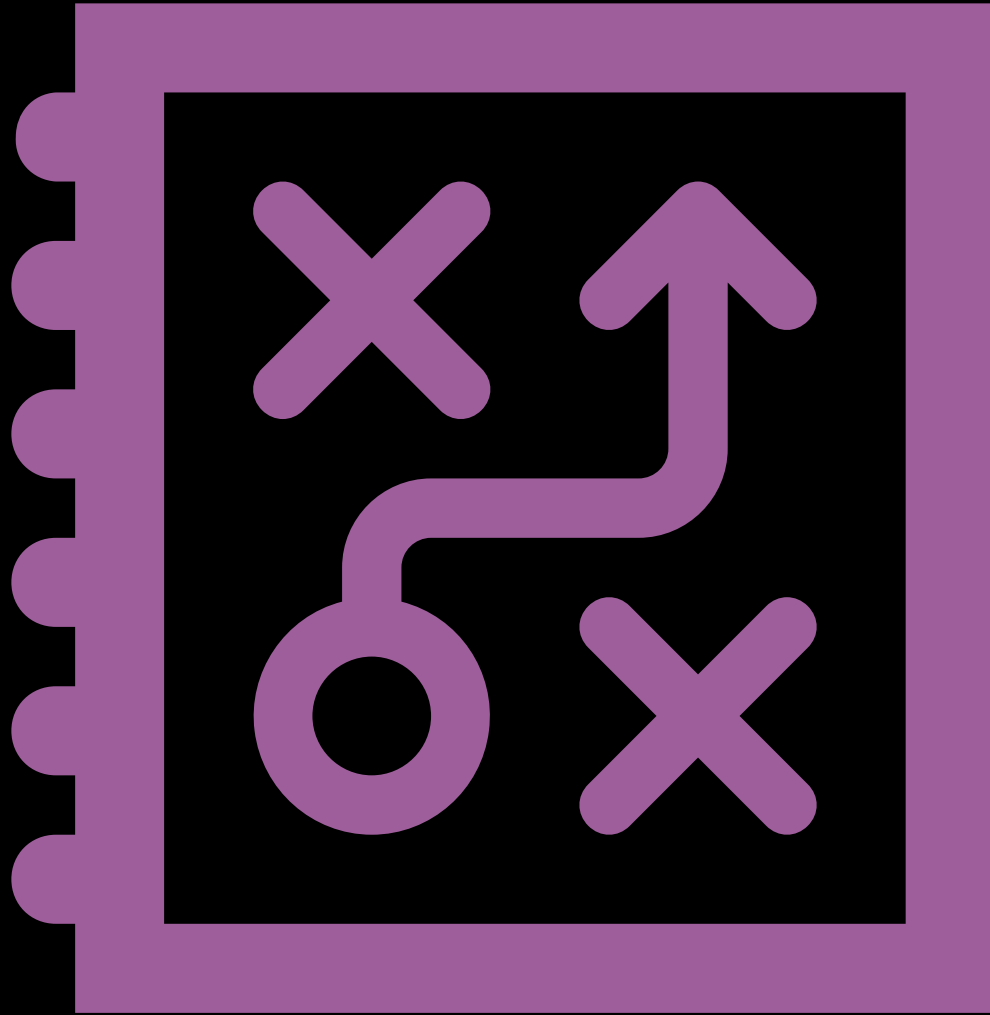
1. Explain your organizational structure as it relates to analysts, GIS professionals, etc. What is the long-term vision of your data team, and what things do you need to have in place to reach those goals?
2. Is it better to have access to all the department's raw data and interpret it yourself, or is it better to depend on a team of analysts to conduct analysis with the raw data? If the latter, what skills are expected of a data analyst apart from data interpretation and presentation?
3. There are many data analysis tools available to fire chiefs. What is the most effective data analysis tool that you use to convince your Mayor, Council, or Government leaders to make decisions?
4. Share a success story where data-informed decisions have significantly impacted the effectiveness of firefighting efforts. Conversely, where has data failed to provide answers/insights that you thought it would?
5. What is the biggest unmet question for your department with regards to incident reporting and response data? What data do you need that you do not have/cannot get?
6. How does the fire department collaborate with other agencies or departments to share and analyze data for a more comprehensive approach to emergency response?

Analyst's Panel

Jessica Handoko (Fairfax County, VA) | Lucas Lyons (Charlottesville, VA)

Sarah Sanchez (Baltimore County, MD) | Blake Boyd (Cary, NC)

1. How do you determine whether a report should be fully automated or built upon each request? What are your favorite 3 software applications or technological resources?
2. How do you communicate your findings and recommendations to decision-makers within the fire department? How does your analysis tell a persuasive story on grant applications and other deliverables.
3. What do you wish firefighters/end users understood about the job you do? How is data most misunderstood or misused? What questions do you think leadership should ask but aren't?
4. Share a success story where data-informed decisions have significantly impacted the effectiveness of firefighting efforts. Conversely, where has data failed to provide answers/insights that you thought it would?
5. Do you have specific critical success factors and key performance indicators when planning data collection? Have you reworked your analytical hypotheses based on not achieving your CSFs & KPIs?
6. Do you think it is worth an analyst's time to gain additional degrees like data science or become versed in more software programs/programming languages? Why or why not?



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WRAP-UP

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Branding

Name

- NFESAA: National Fire & Emergency Services Analysts Association
- NAFERA: National Association of Fire & Emergency Response Analysts
- FSAA: Fire Service Analysis Association
- FRAA: First Responder Analysis Association
- NAFHMEA: National Association of Fire, Hazard, and Medical Emergency Analysts

Logo



FIRE-DataAnalytics@fairfaxcounty.gov

GitHub Resource
Repository



Analysts LinkedIn
Group



Do you want to...

Host the next symposium?

Discuss formalizing the group?

Stay in the loop
(from a safe distance)?

<< SCAN to stay connected!