

Structured Data Analysis for Investigators - Excel & SQLite in Practice

This 2 day VIRTUAL live instructor led class will prepare students with the skills to transform structured datasets into investigative intelligence. Students will learn practical skills using Microsoft Excel to build investigative timelines. Students will work with SQLite databases extracted from mobile applications or system artifacts to locate and link information to broader case data.

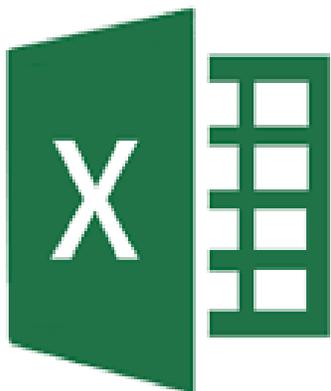
April 20th-21st, 2026

\$450.00 per attendee

9am-5pm Central Time



www.hi-techinvestigations.com



Microsoft[®]
Excel

DB Browser
SQLite





Hi-Tech Investigations, LLC
<https://www.hi-techinvestigations.com>

Structured Data Analysis for Investigators – Excel & SQLite in Practice (2 Days)

Audience:

Investigators, Analysts, and Digital Evidence Professionals who regularly handle structured data from mobile extractions, app exports, call detail records (CDRs), geolocation logs, and SQLite databases.

Course Description:

This two-day hands-on course equips participants with the skills to transform structured datasets into actionable investigative intelligence. On Day 1, students learn practical techniques using Microsoft Excel to filter, sort, pivot, and visualize large datasets to identify patterns and build investigative timelines. On Day 2, students work with SQLite databases extracted from mobile applications or system artifacts, learning to navigate, query, and link information to broader case data. By the end of the course, participants will confidently process and correlate digital exports to uncover leads and produce court-ready reports.

Topics Covered:

- Understanding structured data formats used in investigations
- Importing and preparing datasets in Excel for analysis
- Filtering, conditional formatting, and formulas for identifying patterns
- Creating pivot tables and investigative timelines
- Visualizing data for investigative reports and presentations
- Understanding SQLite database structure and investigative value
- Using SQLite viewer tools and running basic queries
- Joining tables and correlating app activity with other evidence
- Exporting SQLite results and integrating them with Excel analysis

Upon Completion:

Participants will have the skills to handle structured data from various investigative sources, uncovering connections and patterns that support stronger cases. This course bridges the gap between digital data acquisition and meaningful analysis, complementing other mobile, financial, and geolocation investigative training.

Instructor Biography:

J.D. Nickolas is a digital forensics and cybercrime investigations specialist with over a decade of experience supporting law enforcement agencies worldwide. He holds industry recognized certifications, including Computer Forensics Certified Examiner (CFCE) from IACIS, Certified Cyber Crime Examiner (3CE) and Certified Cyber Crime Investigator (3CI) from NW3C, and is an internationally certified instructor through IADLEST. As a former High-Tech Crimes Specialist and DFIR practitioner with the National White Collar Crime Center (NW3C), J.D. trained thousands of investigators in digital evidence handling, digital forensic methodologies, mobile device investigations, and strategies for combating cyber-enabled crime. He now leads FORMULA ZERO ONE TECHNOLOGIES (F01-TECH), where he designs and develops specialized training programs and investigative software for investigators and ICAC task force members, including F01-TECH: Reverse Location Visualizer (RevLocViz) and F01-TECH: Investigator. J.D. is also an associate with the National Criminal Justice Training Center (NCJTC) and a contract trainer with Hi-Tech Investigations, LLC. With a strong background in public service and private sector collaboration, he is dedicated to empowering investigators, advancing digital justice, and strengthening the global response to cybercrime.