



Geospatial (GEO) Analytics

AI-Driven analytics to identify patterns, supporting mission critical decision making

BUSINESS NEED

Federal agencies require timely, data-driven insights to help identify, prioritize, and focus operations. Acting as early as possible, before issues escalate, can have a large impact on success, resource allocation, and community safety. Data can be fragmented, hindering the ability to enable faster response and improve outcomes. Program stakeholders highlight the need for deep data exploration to uncover hidden insights, find root causes, forecast trends, and suggest optimal actions to focus strategic responses.

OUR ACCELERATOR: DATA-DRIVEN, AI-DRIVEN DECISION-MAKING

Our accelerator combines proven investigative tradecraft with advanced analytics, allowing leadership and analysts to rapidly assess trends while enabling field components to focus efforts where they matter most.

We applied a disciplined, data-first methodology to develop operational Artificial Intelligence (AI) based analytics to address investigative-related trends. The analytical models integrate seizure, enforcement, and operational data into intuitive visualizations that highlight patterns across interstate highways, geographic corridors, mile markers, modes of travel, and concealment techniques. The accelerator enables users to move beyond static reporting and quickly identify emerging trends, repeat routes, and high-risk indicators that support both headquarters-level trend analysis and field-level operational awareness.



Early Pattern & Impact Indicators

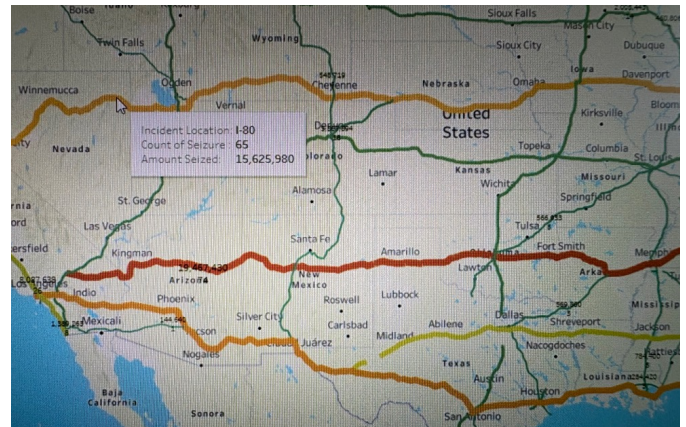


Increased Visibility & Awareness



Improved Decision Making

INDEV'S GEO ADVANCED ANALYTICS ACCELERATOR



Example Output: Geospatial Analytics

GEOSPATIAL ANALYTICS SUCCESS: ADVANCED ACTIONABLE INTELLIGENCE

A federal agency InDev supports approached us with a challenge: how can we rapidly assess trends while enabling field components to focus efforts where they matter most. The agency needed to analyze and identify trends of illicit movement across major transportation corridors. We applied our deep investigative expertise with our advanced analytics skills to create a mission-aligned and scalable AI Model for predictive analytics that can be reused across enforcement and interdiction use cases. Some feedback received included:

"Always interesting when the dashboards call the shot before the headlines"

"I always love a good graphic.... It's nice to see <the data> shown so clearly."

Want to learn how InDev can support your Mission Data Needs?
Reach out to ilab@indeev.com to begin your journey.