

Andrés Pérez Coronado

PhD · Founder & AI/ML Architect, FastAnalytics S.A.S.

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PROFILE

More than 20 years in citizen-security analytics. I led teams of over 80 analysts at the Colombian National Police, where I designed and deployed the mathematical models underpinning the country's main security strategies. I work at the rarely occupied intersection of rigorous modeling and real operations: models that do not stop at a report, but change how officers patrol. Today I run FastAnalytics S.A.S., bringing spatiotemporal artificial intelligence to governments and companies across the region.

EDUCATION

- 2025

PhD in Mathematical Engineering

Universidad EAFIT

Mathematical modeling applied to spatiotemporal phenomena.
- MSc in Management

IAE — Université Grenoble Alpes

Management and strategy training, complementing the technical profile.
- Humphrey Fellow

University of Minnesota

Fulbright-Humphrey program for leaders with the potential to shape public policy.
- Fulbright Scholar

Fulbright scholarship for graduate studies in the United States.

EXPERIENCE

- 2024 — present

Founder & AI/ML Architect

FastAnalytics S.A.S.

I founded the company to bring spatiotemporal AI models to governments and companies across the region. I lead the design of both the models and the products that put them in the hands of decision-makers.
- 20+ years

Citizen-security analytics

Colombian National Police

I led teams of more than 80 analysts. I designed and deployed the mathematical models behind national security strategies, and supported their implementation down to the operational level.

SELECTED RESULTS

- 2024

Multicrime model

Deployed nationally

Multi-offense predictive model cross-referencing spatiotemporal patterns of several crime types at once. Results: −17.8% theft, −25.9% residential burglary, −13% massacres; 7 of 11 crime categories reduced in Bogotá; 28,243 fewer theft reports.

2021

Outlier Quadrants model

Deployed nationally

Spatiotemporal outlier-detection model anticipating homicide concentrations by quadrant. It underpinned the strategy behind Colombia's safest December in 19 years: –17% homicides nationally, –33% in Bogotá, 772 municipalities with zero homicides.

PUBLICATIONS

2024

Analítica de datos para la seguridad ciudadana

Editorial Logos

Co-author of every chapter. Mathematical models for anticipating responses oriented to civic coexistence.

2021

Policía para el Desarrollo Humano

Grupo Editorial Ibáñez

A framework for citizen security in Latin America that measures results in human development, not merely in crime counts.

Academic papers

7+ publications

Spatiotemporal modeling applied to dengue, theft, and collective intelligence. Full listing on Academia.edu.

SPEAKING

2026

IACP Technology Conference

Speaker

"Finding the Missing Links: Using AI to Map and Disrupt Transnational Crime Networks".

2025

Universidad del Rosario

Session with council members of Cundinamarca

Presentation and live test of TavoDebate: 527 queries, 73 amendments, and article-by-article voting.

PRODUCTS DESIGNED

GabyVigía

In production

Predictive decision system built on the Watch · Predict · Decide cycle, with 5 integrated intelligence layers.

TavoDebate

In production

Legislative-session platform with 10 specialized AI advisors working in parallel.

AlejoSeguro

In production

Telegram bot collecting georeferenced citizen-security perceptions in real time.

AlejoGeo

In development

Multimodal spatiotemporal intelligence platform with vector databases and a chat interface over your surroundings.

LANGUAGES
