

Computational Behavioral Law

A Multi-Sector Behavioral Intelligence System for Legal and Policy Design

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1. System Overview Diagram

SEDAT → sedat.tech → PRIORLEX → [Behavioral Data Systems (Cimbom, Amed)] + [Legal Interaction Systems (Traffic, Courts)] → Behavioral Analytics Engine → Models → Legal & Policy Outputs

2. Executive Summary

This system integrates behavioral data across social and legal environments into a unified analytical engine. It generates insights applicable to government, private sector, and nonprofit institutions.

3. Methodology

Data Observation → Pattern Extraction → Cross-Context Mapping → Insight Generation. This ensures scalable and reproducible behavioral analysis.

4. Behavioral Mapping Table

Behavior Pattern	Legal Outcome	Policy Insight
Group Mobilization	Mass Filings	Scalable dispute systems
Identity Reaction	Selective compliance	Fairness perception
Emotional escalation	Conflict increase	Preemptive design

5. Multi-Sector Applications

Government: policy design and compliance systems Private Sector: platform governance and risk modeling Nonprofits: community behavior and engagement

Appendix A: Platform Descriptions

Cimbom.us – sports-based behavioral observation platform Amedbarikat.com – identity-driven community behavior system Traffic platforms – legal compliance and interaction tracking systems