

Level 6: Forensic Domains

Applied Case Studies in AI Governance

Overview

6.1: Credit Scoring

6.2: Breach Protocol

6.3: Shadow AI

6.4: Chain of Thought

6.5: XAI Limitations

Synthesis & Practice

Standalone Module

Forensic Domains: Where Frameworks Meet Reality

This module applies all prior levels of the AI-ESG curriculum to five high-stakes domains where algorithmic decision-making creates governance crises. Each domain represents a forensic challenge: detecting where opacity enables harm, where speed obscures accountability, and where technical authority supplants human judgment.

Module Duration 6–8 hours

Estimated time across all five episodes plus synthesis exercises

Learning Outcomes

- → Diagnose governance failures in opaque algorithmic systems
- → Identify domain-specific forensic pathways

- → Design interrogation protocols for black-box systems
- → Build resilience into real-world audit programs

Prerequisite Knowledge

- ✓ Authority boundaries & Stop-the-Line principles
- ✓ Evidence ladder & chain of custody concepts
- ✓ Liability Sponge & accountability gaps
- ✓ Clarke's Law & systems opacity

The Forensic Approach

Level 6 shifts from theory to practice. Rather than learning frameworks in abstraction, you'll examine five real domains where AI governance is failing silently:

- **Credit Scoring (6.1):** How opacity launders historical discrimination into mathematical inevitability.
- **Breach Protocol (6.2):** Why data integrity failures become credibility crises.
- **Shadow AI (6.3):** The unmanaged proliferation that creates governance blind spots.
- **Chain of Thought (6.4):** Why transparency of reasoning can mask confabulation.
- **XAI Limitations (6.5):** When explanations obscure rather than clarify.

Module Structure

Each episode follows a consistent arc:

1

The Governance Gap

Identify the core failure mode in the domain.

2

Why It Happens

Understand the structural incentives & technical constraints.

3

The Interrogation Path

Learn the forensic method specific to that domain.

4

Control & Remediation

Implement auditable safeguards.

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Part of the AI-ESG Integrated Strategist (AEIS) Curriculum

Standalone module | 6–8 hours of study | Theme: Purple (#6b21a8) | Applied Case Studies

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