

Today's Challenge

- Growing data volumes and granularity
- Limited analytical capacity to process data effectively
- Signal vs. noise challenge intensifying
- Need for enhanced insights







Current State of Regulatory Analysis

- BI tools visualize and analyze data effectively
- Limited to predefined queries and known patterns
- Requires specialized technical skills
- Barriers to broader data access







XBRL: The Foundation

- Structured, high-quality data format
- Built-in validation ensures data integrity
- Rich semantic information through taxonomies
- Ideal foundation for advanced analytics







XBRL and AI: A Natural Partnership

- Technologies enhance each other's capabilities
- "Provide AI with XBRL taxonomy: from guessing to knowing!"
- Semantic structure guides Al analysis
- Validation rules reveal data relationships
- Standardization enables accurate comparisons







The Potential of Al

- Complements existing analytical tools
- Natural language removes technical barriers
- Pattern recognition across massive datasets
- Open-ended exploration without predefined queries
- Discovers unexpected relationships

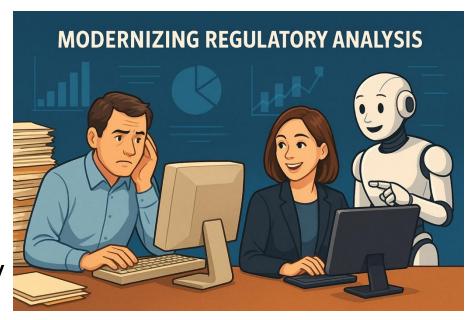






Complementary Strengths

- AI: Exploration, pattern detection, natural language
- **BI**: Precise analysis, visualization, documentation
- Same data source ensures consistency
- Innovation meets regulatory rigor







Breaking Down Barriers

- Natural language accessible to non-specialists
- Al as analytical copilot for regulators
- Expands capabilities beyond technical experts







Practical Example

- Analyst has a hunch but no specific query
- Al query: "What unusual patterns exist in expense reporting?"
- Al identifies technology investment reclassification patterns
- Analyst follows up with targeted Bl analysis

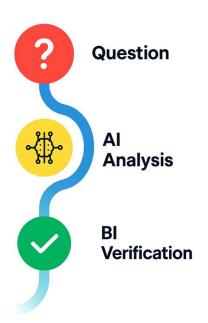






A New Workflow

- 1. Question Open-ended inquiry
- 2. Al Analysis Pattern discovery
- 3. BI Verification Rigorous confirmation
- Document process for transparency
- Maintain regulatory accountability







Implementation Challenges: Trust and Verification

- Clear Boundaries for Al's Role
- Al for exploration, not decisionmaking
- Transparent, explainable processes required
- Manage expectations about Al capabilities
- Always maintain human oversight

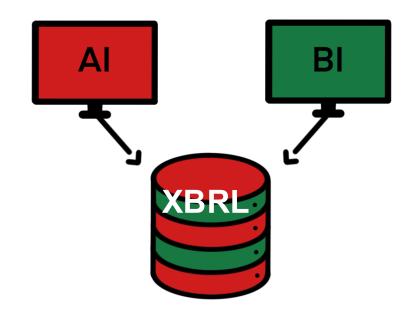






Technical Integration

- Shared database for both Al and BI tools
- Preserve taxonomy for semantic information
- Build on existing infrastructure
- Ensure consistent data quality across systems







Regulatory Requirements

- Complete audit trails of analysis process
- Documentation must be legally defensible
- Governance frameworks for Aluse
- Balance innovation with compliance obligations







Practical Implementation Path

- Start Small and Learn
- Focused pilot projects in specific areas
- Learn and adapt from early experiences
- Build confidence through demonstrated success
- Scale gradually based on results







Key Takeaways

- Al and XBRL offer complementary strengths
- Best results from combining Al exploration with BI verification
- Implementation challenges exist but are manageable
- Significant potential for regulatory supervision







