

MATEJ POLLICK, MARCH 2024

POTENTIAL USE OF AUTOMATION AND AI IN COMPLIANCE

EXCERPT FROM:



AUTOMATION AND AI TECHNOLOGIES IN COMPLIANCE?

Here are several topics open for discussion:

- **Automation and Artificial Intelligence (AI) in Compliance**
- **Blockchain and Decentralized Ledger Technologies (DLT) in Compliance**
- **AI-driven Cybersecurity Measures for Compliance Data Protection**
- **Data Analytics and Predictive Modeling for Compliance Risk Management**
- **Integration of Quantum Computing:** Exploring the potential impact of quantum computing on encryption and data processing.
- **Enhanced AI Capabilities:** Anticipating advancements in AI capabilities for more sophisticated compliance analytics.
- **Augmented Reality (AR) in Training:** Exploring the use of AR for immersive and effective compliance training experiences.

Let's narrow our focus to ready-to-use Automation and AI in Compliance, exploring their potential to reshape compliance processes. Here are some key areas we can delve into:

AUTOMATION AND ARTIFICIAL INTELLIGENCE (AI) IN COMPLIANCE

■ Robotic Process Automation (RPA)

- **Streamlining Repetitive Tasks:** RPA is deployed to automate repetitive and rule-based tasks in anti-financial crime area, regulatory compliance and second level controls.
- **Enhancing Accuracy:** reduced errors contribute to improved data integrity and ensure that compliance reports are reliable.
- **Cost Efficiency:** increased operational efficiency and resource allocation.

■ Machine Learning Algorithms

- **Anomaly Detection:** relevant for anti-financial crime detection and prevention, as well as for detecting promptly regulatory compliance issues (for example trading issues etc.).
- **Predictive Risk Assessments:** predict potential compliance risks, proactively address emerging risks before they escalate.
- **Continuous Improvement:** continuously improve risk assessment accuracy.

■ Natural Language Processing:

- **Regulatory Text Analysis:** NLP is employed for the enhanced understanding and interpretation of regulatory texts. This technology facilitates efficient extraction of relevant information from complex legal documents.
- **Communication Analysis:** NLP tools analyze communication channels for compliance-related content. This includes emails, reports, and other textual data, helping organizations identify potential compliance issues in communication.
- **Real-time Compliance Monitoring:** By processing and interpreting textual information in real time, NLP contributes to real-time compliance monitoring. Organizations can promptly respond to compliance-related communication.