Artificial Intelligence in Compliance: The Myths & The Reality

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Blue Umbrella

Introduction

“The development of full artificial intelligence could spell the end of the human race.”

- Stephen Hawking to the BBC, December 2014
Introduction

"Bob: i can i i everything else .............
Alice: balls have zero to me 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Jobs at Risk

Frey, Osbourne. 2017
Jobs at Risk
Frey, Osbourne. 2017
Components of AI

- Knowledge representation & Inference
- Natural language processing
- Automated planning and scheduling
- Machine learning
- Perception
- Robotics
- Computational creativity
- General intelligence
Foundations for Success

Knowledge Representation & Inference
Natural Language Processing

Automated Planning & Scheduling
Machine Learning

Reinforcement Learning
First trial...
Go!
Your program? Your job?

Your Program
Structured Chaos?

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Centralize, Integrate Data

A Typical Workflow

1. Business Case Justification submitted & approved
2. Questionnaire & Code of Conduct
3. Review information, risk rate
4. Contract
5. Adjudication & approval
6. Due diligence process
7. Training
8. Monitoring
9. Annual review, recertification, renewal
Third-Party Compliance Technologies

• Automation and Rules-Based Expert Systems
• Language Capabilities
• Machine Learning at Work
• The Future of AI and Compliance

Questions?

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