AI in Securities Services Industry

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Agenda

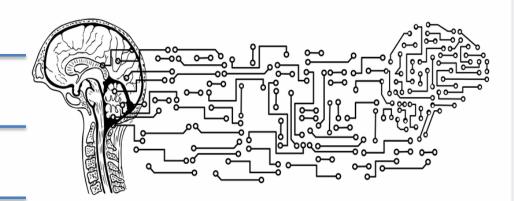
Background

Overview of AI Technology

Al Applications in Securities Industry

Challenges and Regulatory considerations

Questions







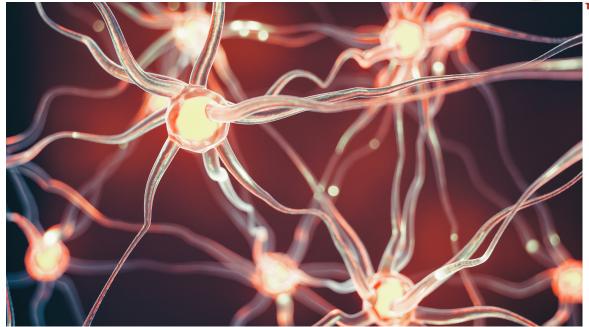
Background





- Developed in early 1940, gained momentum in last decade
- Al-based applications are being used/considered in various areas by Financial organizations including
 - customer experience
 - Investment lifecycle
 - Operational activities.





Overview of AI Technology

Overview of AI Technology





Pattern Detection
Automated detection of patterns and (ir) regularities in data



Foresight- Extrapolating learned patterns in the presence of uncertainty. Generation of such actionable scenarios. with information that can be used to tune the future towards desirable states by taking the right actions



Customization by generating rules from specific profiles and applying general data to optimise outcomes



Decision making by generating rules from general data and apply specific profiles against those rules



Interaction by communicating with humans through digital or analogue mediums





AI Applications in Securities Industry



Customer Experience





Chatbots/Virtual Assistant



Email queries/inquiries



Outreach Targeting

Data collection and analysis
Personalized Marketing



Operational Areas



Compliance and Risk Management



Automation of Administrative Functions

Compliance & Risk Management

Threat analysis & Detection

- Threat intelligence
- Integrated log analysis

Fraud detection

- Analyze large number of transaction to detect unusual trends
- Al models can be used to reject or flag suspicious transaction

Automated data classification and control

 Based on type, usage and origin AI models can dynamically classify data and enforce controls

Compliance

- Al driven GRC dashboards
- Compliance trend management with real time alerting





Challenges and Regulatory Considerations



Challenges







COST OF IMPLEMENTATION
AND UPKEEP



PREVENT BIAS ON AI DECISIONS

Regulatory consideration



- Al governance & regulating usage of Al
- Ascertaining accountability and liability of AI system
- Transparency on the design and operations of AI systems- May impact ML; a trade off





Questions

