

BY ASTRID DE GEEST

# AI Integration into Hedge fund Management

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# Share Value Growth

- Systematic review
- Prediction
- Risk





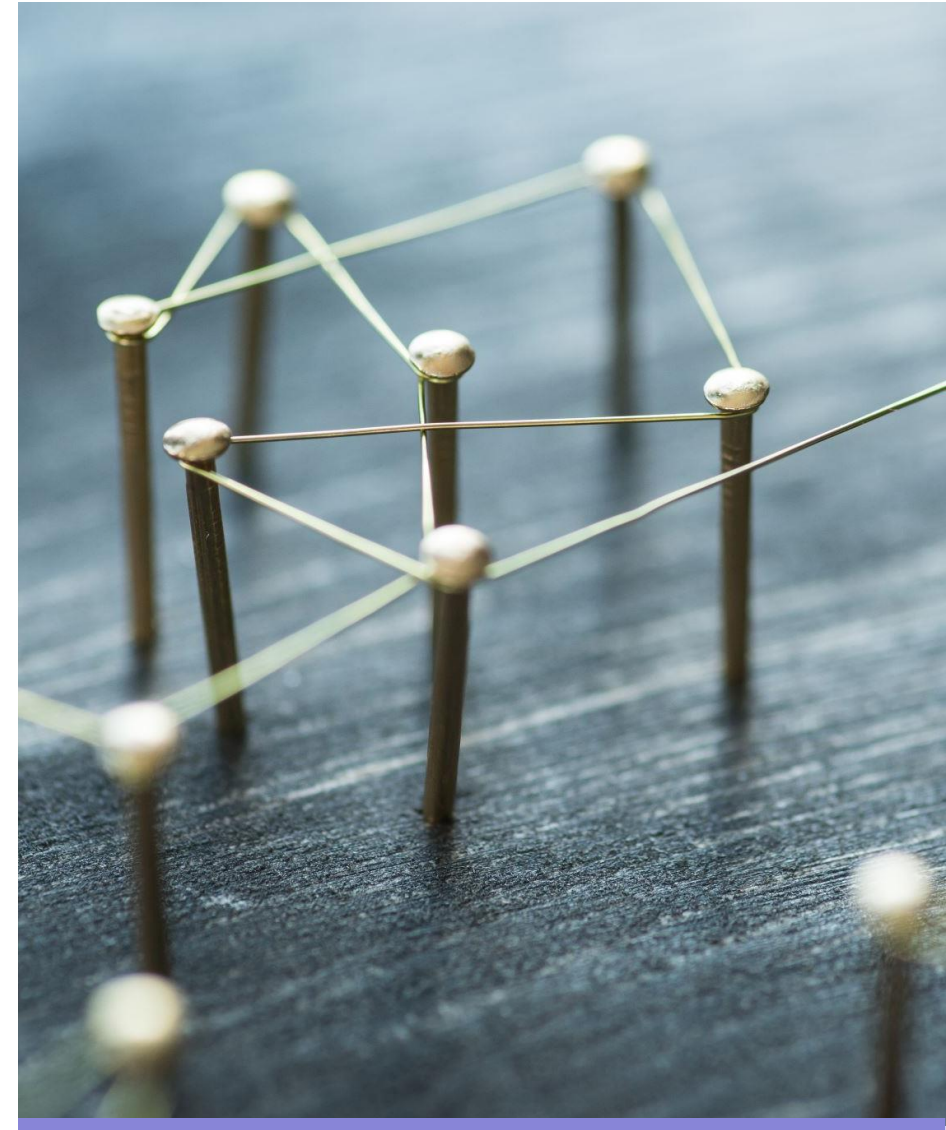
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# AI Integration

- Trends based on historical data
- Widespread analysis
- Automation

# Current Results

- Random Forest and a Neural Network model obtained 87% accuracy
- Random Forest model had the best versatility





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## Further Research

- Better data
- More complete data will allow building a LSTM neural network model which is well suited to financial data
- Validation of model





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# Centre of Excellence

- Reform data practices
- Expertise
- Organisational change
- Manage risks and ethics

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# Hedge fund data science team

Data

Analysis

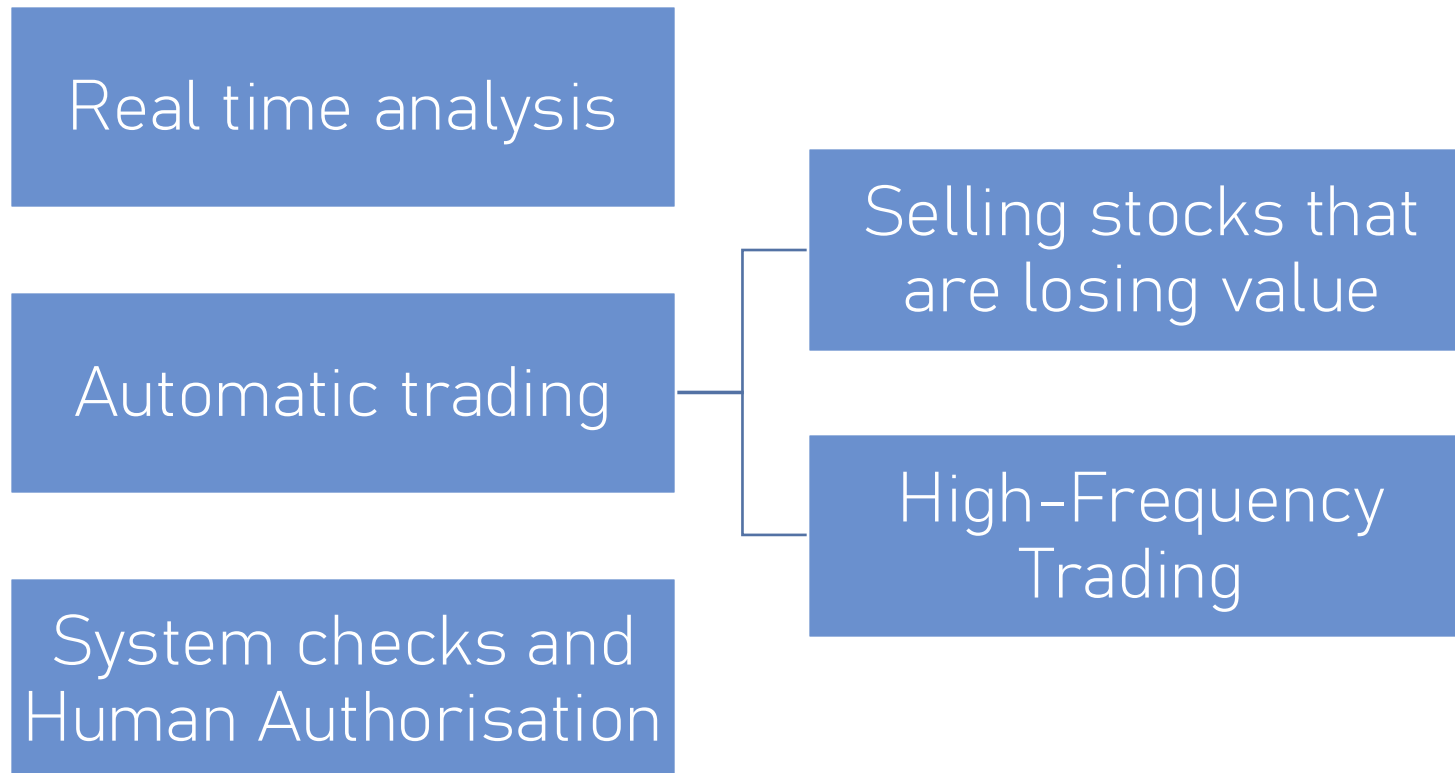
- High Share Growth
- High Dividend Yield
- Low Risk Investment

Hedge fund Management

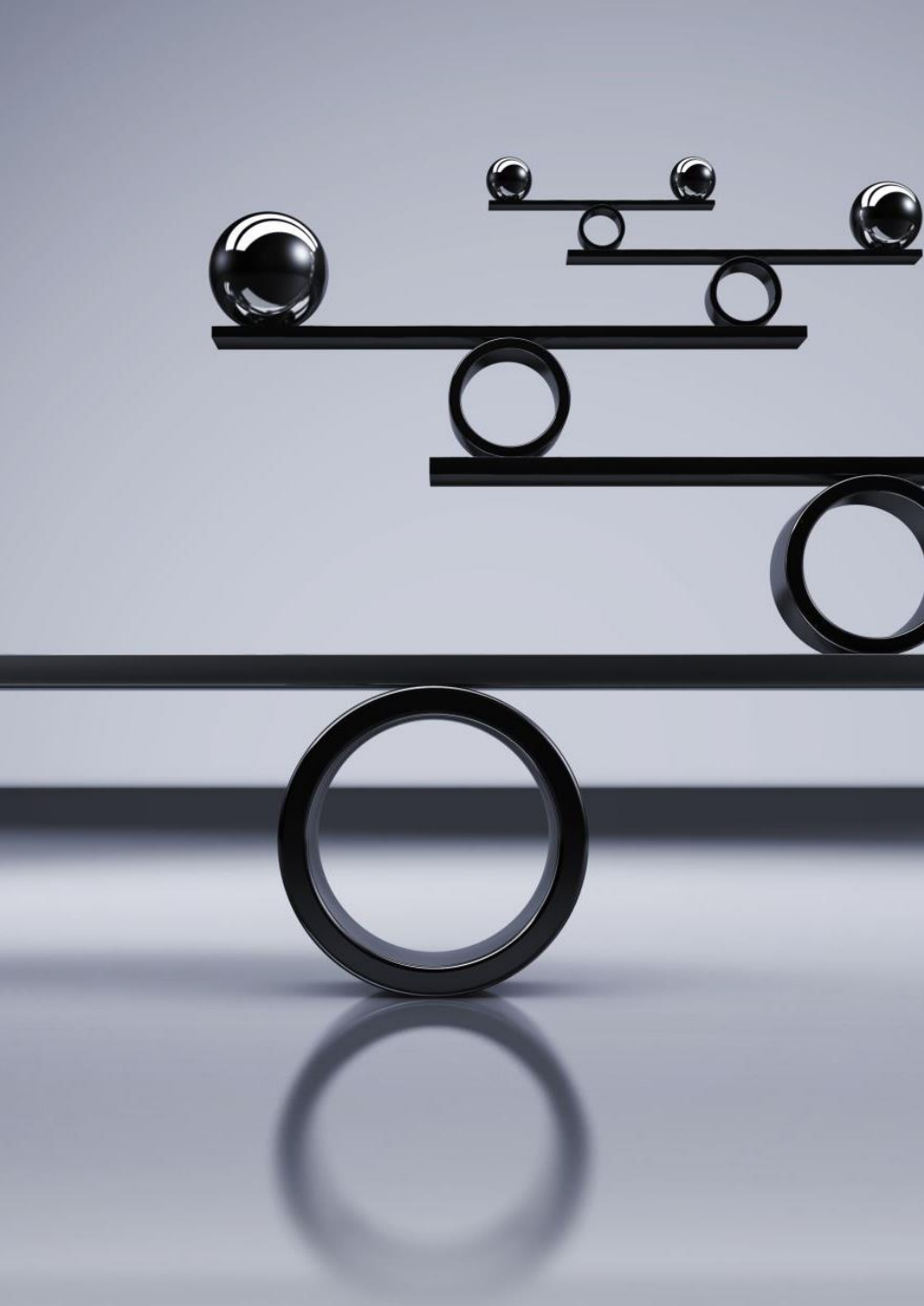
Automated monitoring of Company performance

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# Automatic trading



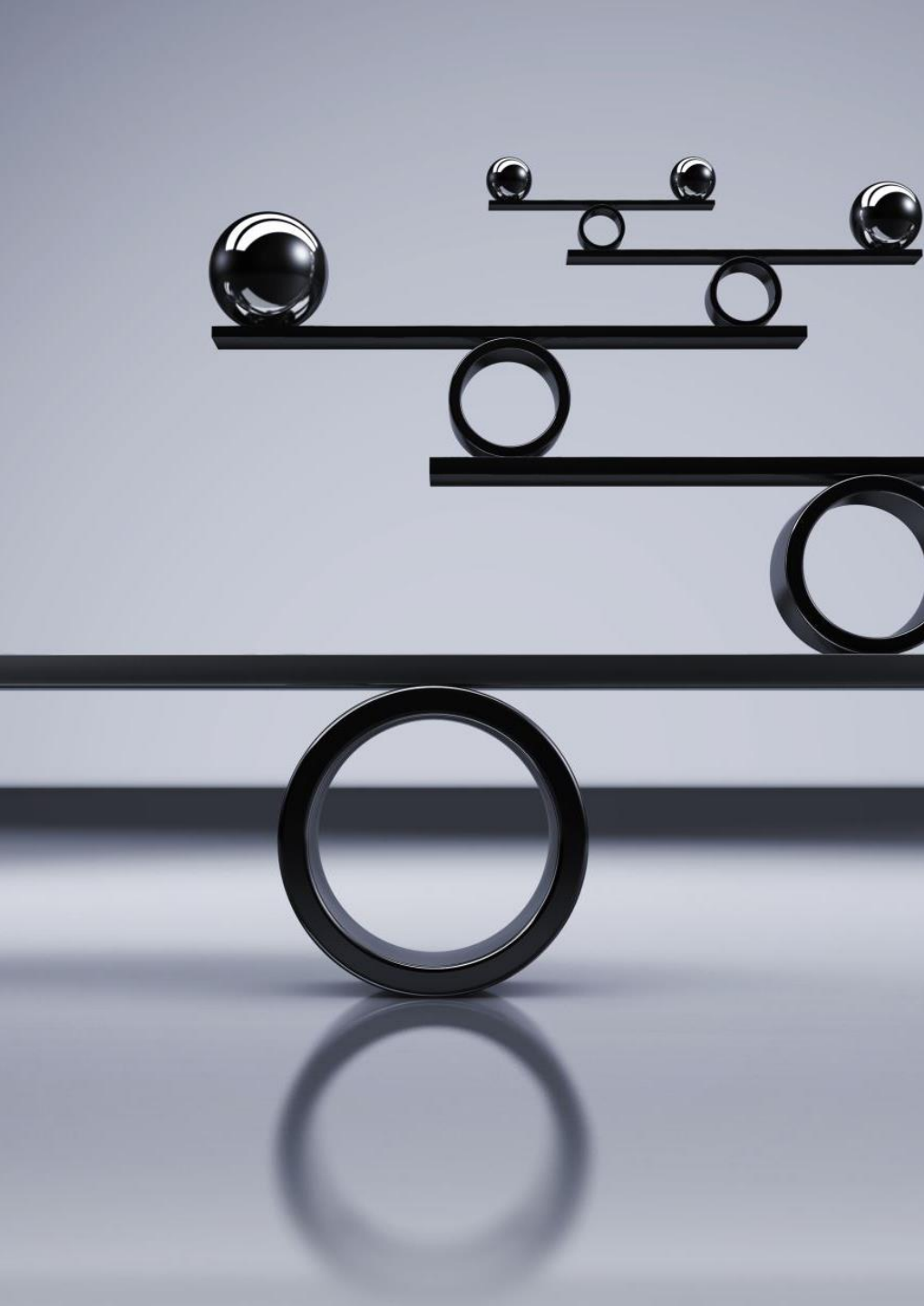




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# Benefits


- Reduction in analysis operation costs
- Unique investments
- Greater equity growth
- Reduction in risk with real time monitoring of portfolios



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# Risks

- Bias in data integrated into model
- Changing market conditions
- Black swan events
- Systematic errors if automation is implemented

The background is a dark, gradient surface with several spheres. One sphere in the upper right is a warm, golden-brown color, while the others are various shades of gray. The spheres are scattered across the frame, some partially cut off by the edges.

# Course of Action

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