ROBECO
The Investment Engineers

Seminar Operational Excellence in Asset Management

AI in Asset Management

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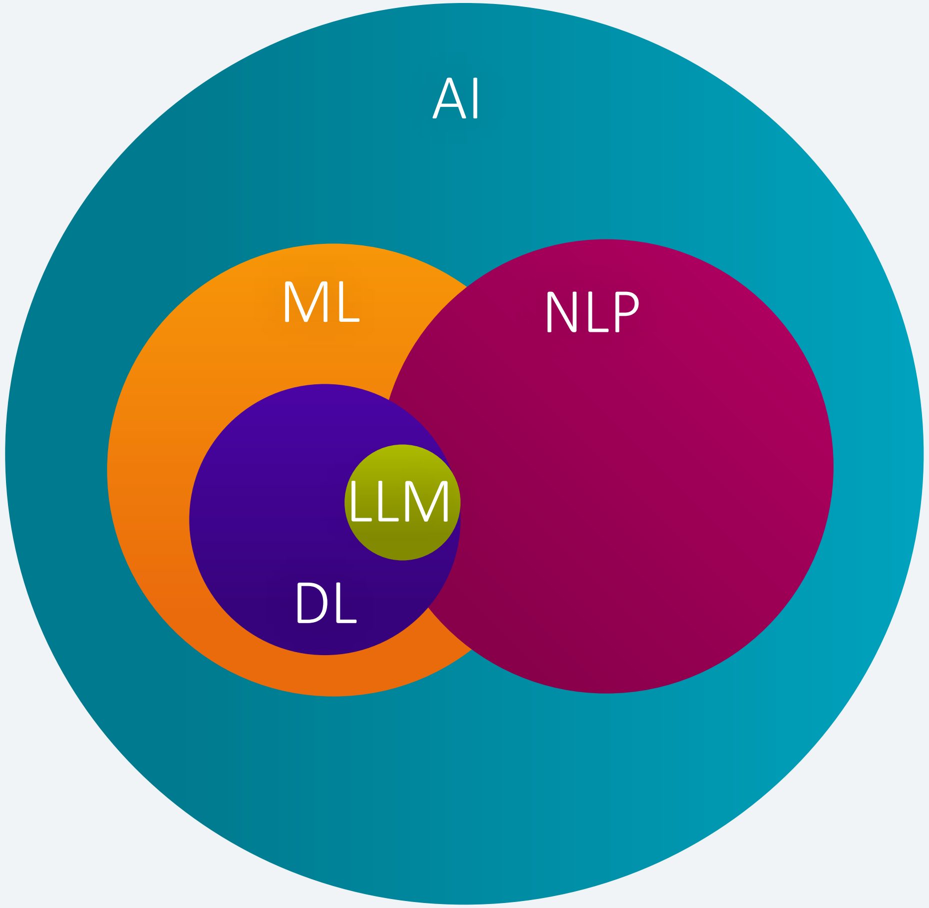
Outline

- Setting the scene
- Three examples of AI in Investments:
  - AI for risk modelling
  - Agentic AI
  - GPT for fundamental analysis

There is an ocean of data

AI



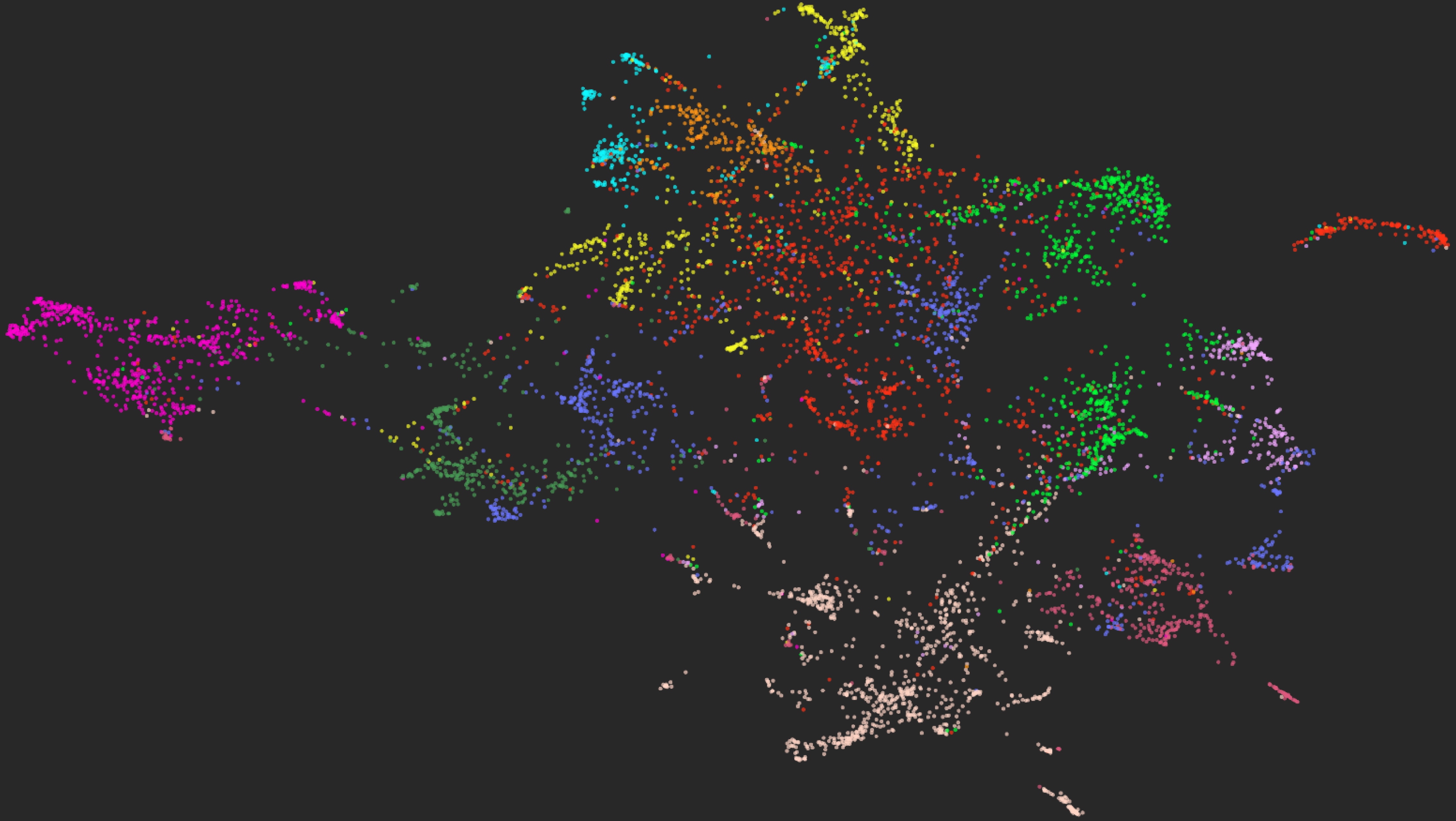
- Artificial Intelligence
- Machine Learning
- Natural Language Processing
- Deep Learning
- Large Language Models

Applications of AI

- Returns / Risk Modelling
- Information Retrieval
- Data Processing
- Automation
- Productivity

For illustrative purposes only. All expressions of opinion are subject to change. This information is intended for educational purposes, and it is not to be construed as an offer, solicitation, recommendation, or endorsement of any particular security, products or services.

Applications of AI: Finding Related Companies



Agentic AI

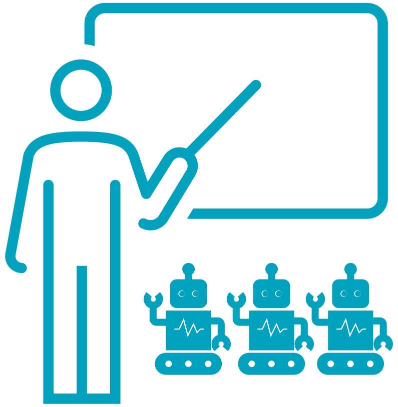
- Internal data sources can be scattered:
  - Portfolio positions, performance, trading, etc.
  - A lot of internal dashboards for different use cases
  - **Chatbots** could offer a solution
- Building internal tools for AI
  - Modular tools
  - Model Context Protocol (**MCP**)
- Orchestrating Agents

Teaching ChatGPT how to do financial statement analysis

- Focus on **earnings per share (EPS)**
  - Classifications for **directions**, **magnitudes**, and **confidence**

- **Chain-of-thought** reasoning
  - Relevant ratios
  - Changes and trends
  - Economic interpretation

- No reference to company name
- Consistent classification and correct output format



Takeaways

No free lunch

Outperformance requires domain knowledge. Design choices matter.

Generative AI offers new opportunities

The field evolves rapidly. It is important to stay on top of things.

Staying flexible is key

AI and its ecosystem is rapidly developing, staying nimble avoids locking in wrong bets

Important information
Robeco Institutional Asset Management B.V.