



AI-Powered Finance

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Finance



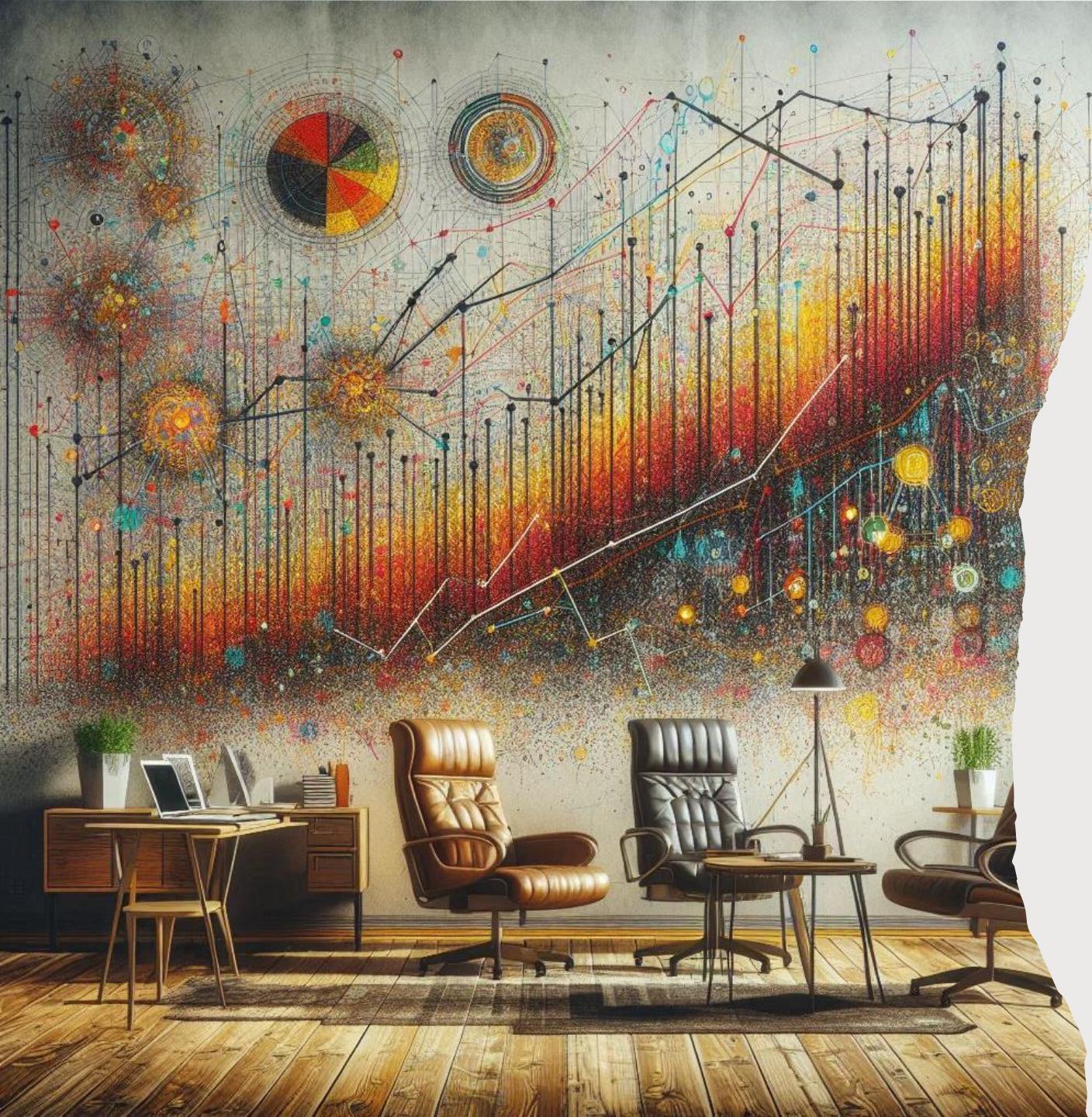
Future of AI

- The Future of AI
 - Opportunities
 - Challenges
- Impact on various field:
 - Physics
 - Medicine
 - Economics

Accelerating Construction of Systems

The speed of construction of systems is accelerating, and AI will enable humans to build complex systems quickly.



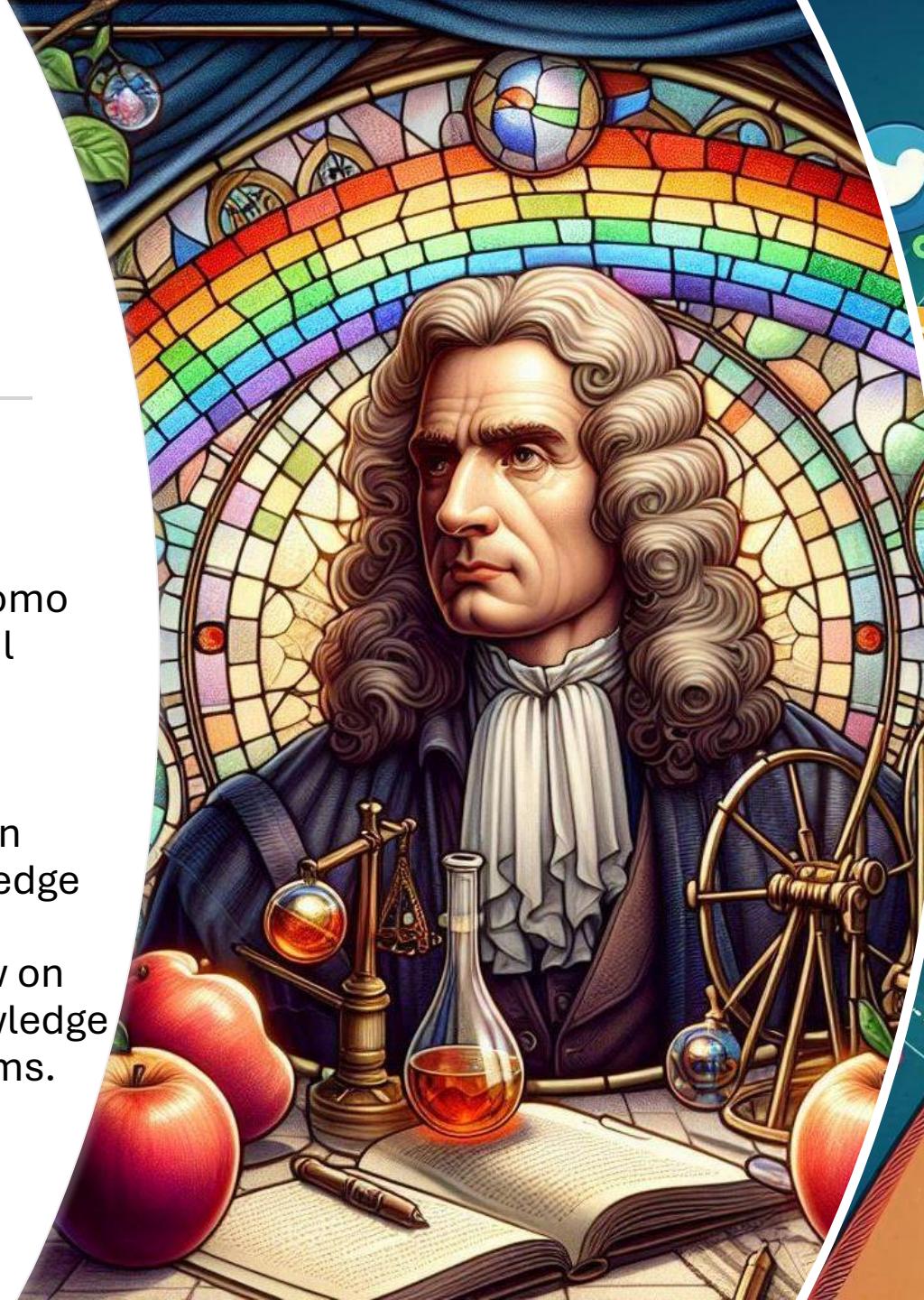


Increased Productivity

- AI will increase productivity, potentially doubling it, and this could lead to significant economic growth and changes in the job market.

Polymaths

- A polymath (Greek: πολυμαθής, romanized: polymathēs, lit. 'having learned much'; Latin: homo universalis, lit. 'universal human')[1] or polyhistor (Greek: πολυΐστωρ, romanized: poly'istor, lit. 'well-learned')[2] is an individual whose knowledge spans many different subjects, known to draw on complex bodies of knowledge to solve specific problems.





Challenges in Applying AI

- There are still challenges in applying AI to fields like Physics, and AI is not yet capable of making creative leaps like Einstein's discovery of general relativity.

Benefits of AI

- AI can be useful for solving complex problems that involve large amounts of data, and the benefits of AI are most pronounced when there is a large amount of data available.



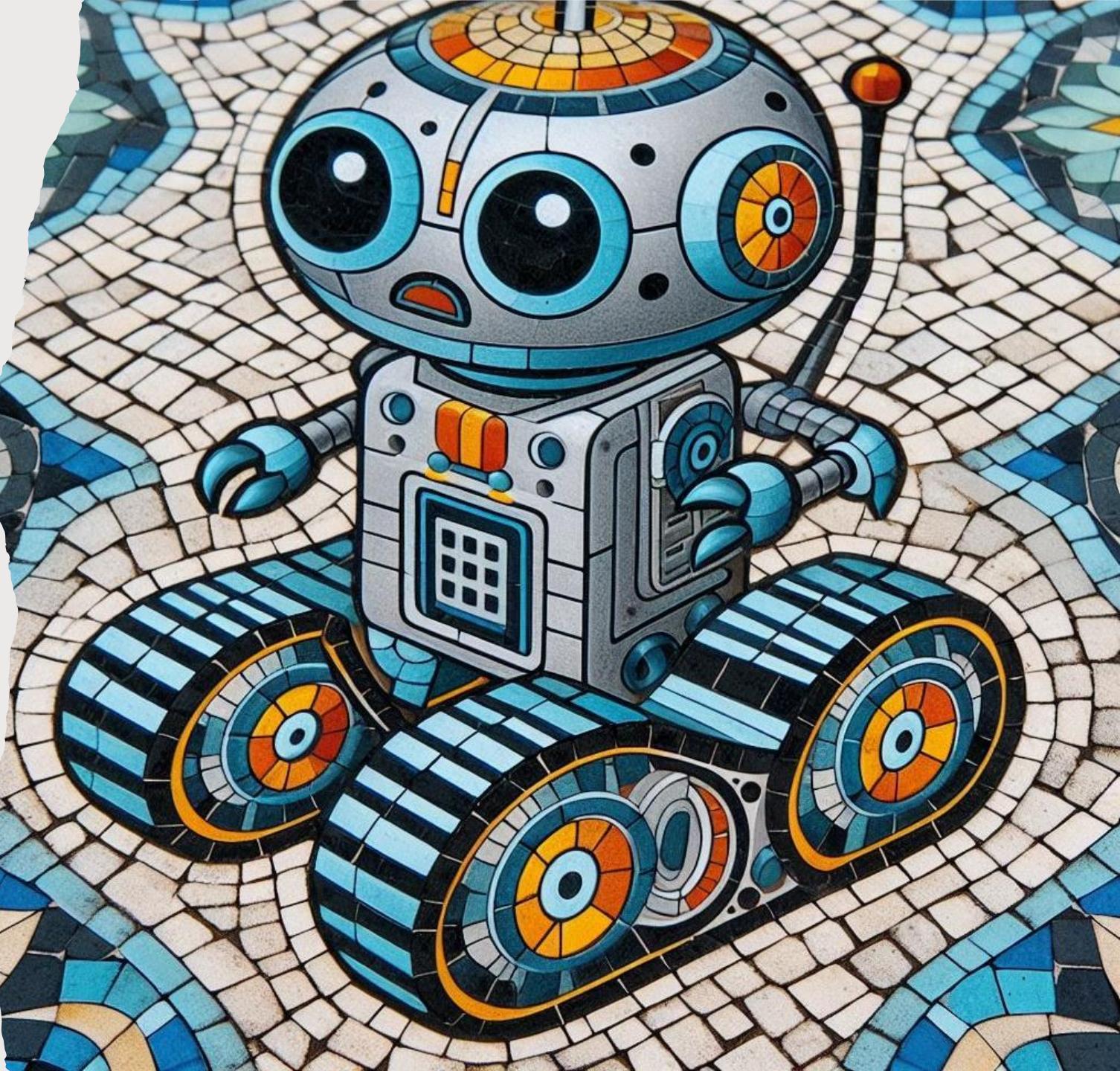


Open-Source vs. Closed- Source AI Models

- The debate around open-source vs. closed-source AI models, and the potential for copying adaptation open-source models.

Development of Smaller AI Models

- The development of smaller, more efficient AI models, such as the llama 2 model, which is 10 times smaller than the original model.



Potential for AI to Create New Forms of Content

The potential for AI to create new forms of content, such as synthetic videos and pictures, and the potential for AI to be used in marketing and advertising.





Potential for AI to Create New Forms of Misinformation

- The potential for AI to create new forms of misinformation and disinformation, and the need for defenses against these types of attacks.

Potential for AI to Create New Forms of Social Media

- The potential for AI to create new forms of social media, and the potential for AI to be used in social media platforms.





Potential for AI to Create New Forms of Education

- The potential for AI to create new forms of education, such as an AI tutor that adapts to individuals' learning abilities and styles.

Discussion on AI and Ethics

The discussion on AI and ethics, including the potential for AI to create new forms of content and misinformation, and the need for defenses against these types of attacks.



Conclusion

- In conclusion, while there are valid concerns about the potential of AI systems:
 - Become too complex or opaque,
- Ongoing research and development efforts aimed at making these systems:
 - Transparent
 - Interpretable
 - Aligned with human values
- Are crucial steps towards harnessing their full potential responsibly.





Demo

- Showcase a Streamlit application
- Integration with API
- Customization



Questions



- Questions
- Linkedin
 - [/in/ppaixao/](https://in.linkedin.com/in/ppaixao/)
- Github
 - <https://github.com/paulospx>
 - <https://github.com/paulospx/ai-powered-finance>
- Thank you