

Hoss Hosni Zawali

CEO of ConnectED Labs
VC-BootCamp at Stanford University
African Development Bank



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Tuteurs of Toronto
TOFT.ca





It's like a sick

Karl Toft claims God is helping him control his predatory ad

Karl TOFT

Ai will teach us to be comfortable with failure

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QUIZ

Google AlphaZero vs. Stockfish

ChatGPT Sprints to One Million Users

Time it took for selected online services to reach one million users



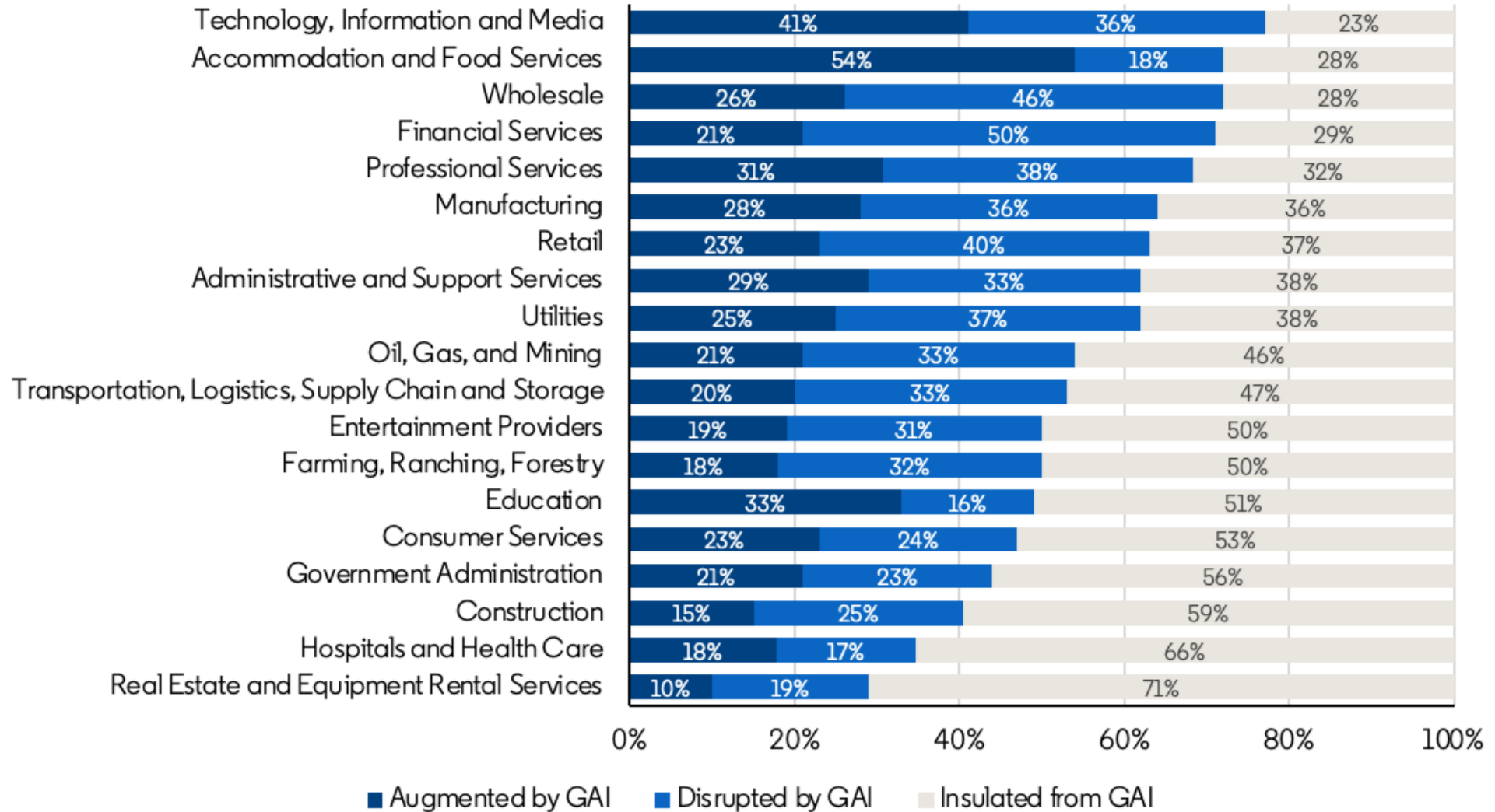


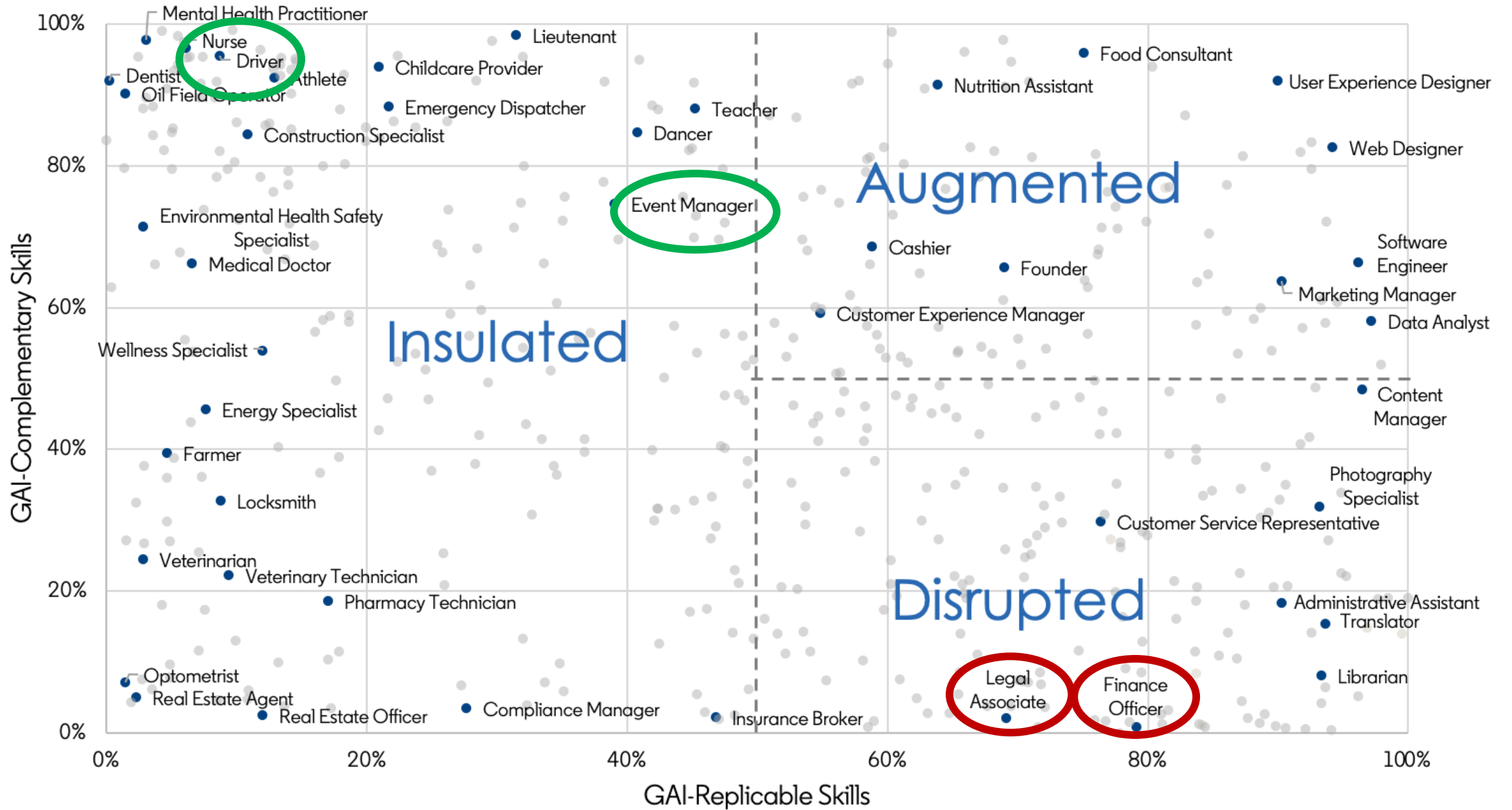
**Globally, AI talent
is still less than
2% of LinkedIn
members**



Impact of GAI technologies goes well beyond the tech industry

Percentage of LinkedIn members by industry







Albatross



... meanwhile...



AI is fundamentally reshaping the accounting industry in several ways



We can only improve what we can...

MEASURE:

- In essence, AI will empower **accountants** to make more informed decisions, saves time, and ensures a better fit between their skills and job requirements.
- It will help **accountants** find the best strategy for **financial compliance** and **financial viability**.
- It will help you understand workforce'/resources/**financial dynamics to plan for future** needs of the company.
- The overall benefit is a more dynamic, efficient, and responsive accounting expertise that can **quickly adapt to changes in the economy and technology**.



Accounting and Financial Management

- ✓ Automated Transaction Processing
- ✓ Real-Time Financial Reporting
- ✓ Enhanced Audit Trails

Enterprise Resource Planning (ERP)

- ✓ Inventory Management
- ✓ Supply Chain Optimization
- ✓ Production Planning

Customer Relationship Management (CRM)

- ✓ Customer Insights
- ✓ Chatbots for Customer Service
- ✓ Sales Forecasting

Human Resources (HR) Management

- ✓ Automated Recruitment Processes
- ✓ Employee Performance Analysis
- ✓ Payroll Automation

Compliance and Risk Management

- ✓ Regulatory Compliance Monitoring
- ✓ Fraud Detection



TeamSystem®

Predictive Analytics in accounting and HR:

Companies use AI for predictive analytics to forecast hiring needs, identify potential employee attrition, and ensure they have the right talent pipeline.



Sneak Peek at some AI Tools

Document Analysis & Management



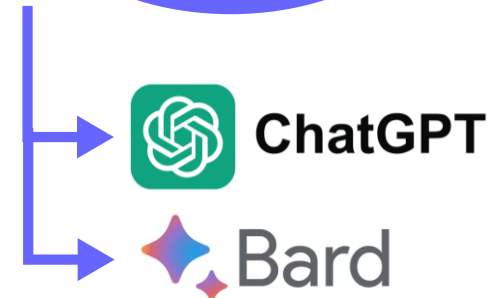
Helps with contract analysis, due diligence, and document management to streamline workflows

HR & Talent Management



For talent acquisition, management, and assessing candidates' skills through games designed to measure various cognitive and emotional traits.

Chatbots & Virtual Assistants



Natural language processing works and discuss its applications in customer service, information management, and even as a legal advisor for basic queries.

Data Analysis & Visualization



Data visualization tools that allow for robust data integration, advanced analytics, and interactive reporting

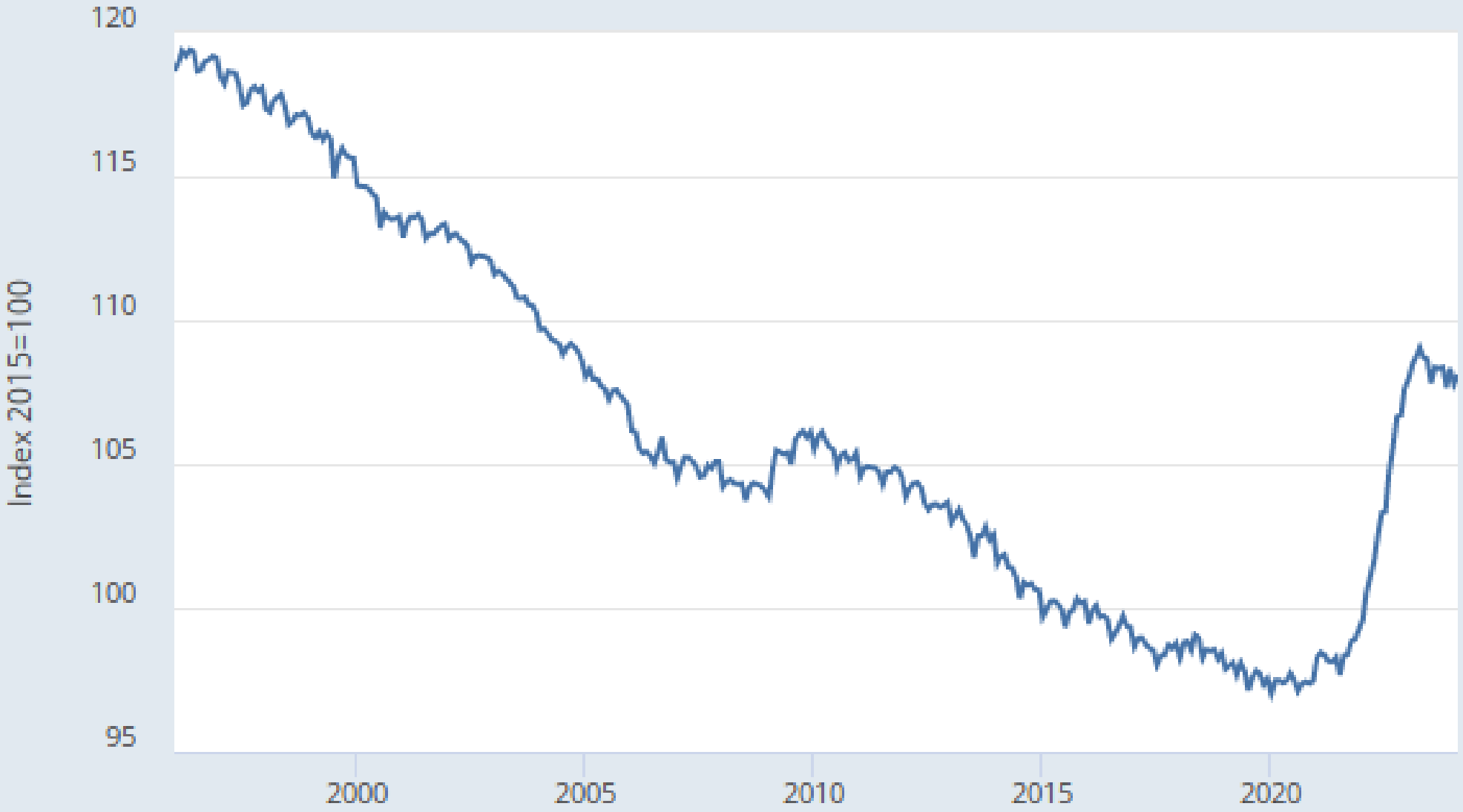
Companies

- Companies that invented refrigeration made some money
- But most of the money was made by...



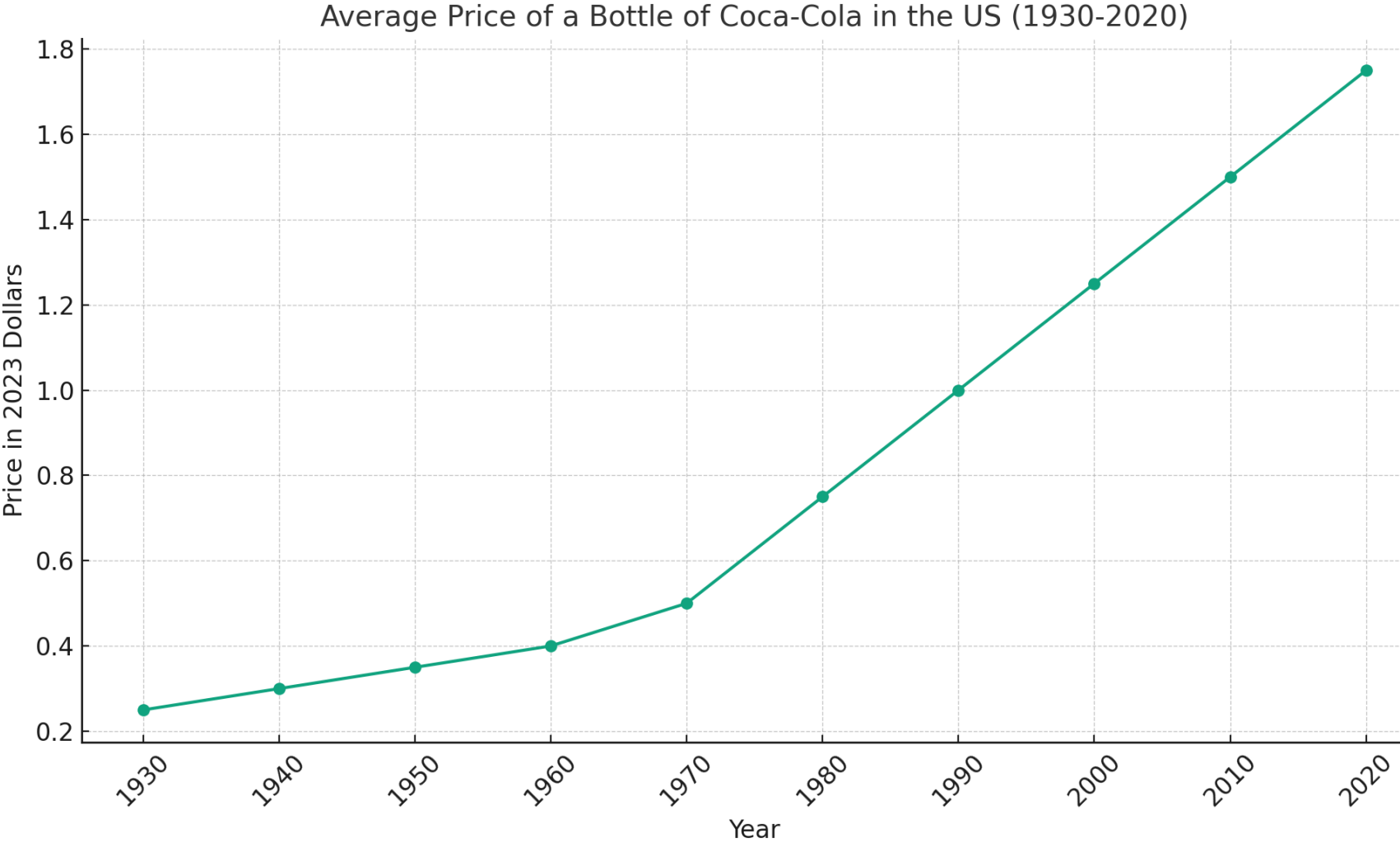


— Harmonized Index of Consumer Prices: Major Household Appliances Whether Electric or not and Small Electric Household Appliances for European Union (EU6-1972, EU9-1980, EU10-1985, EU12-1994, EU15-2004, EU25-2006, EU27-2013, EU28)

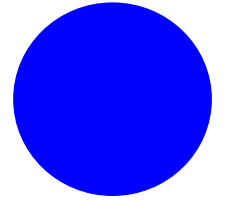


Source: Eurostat

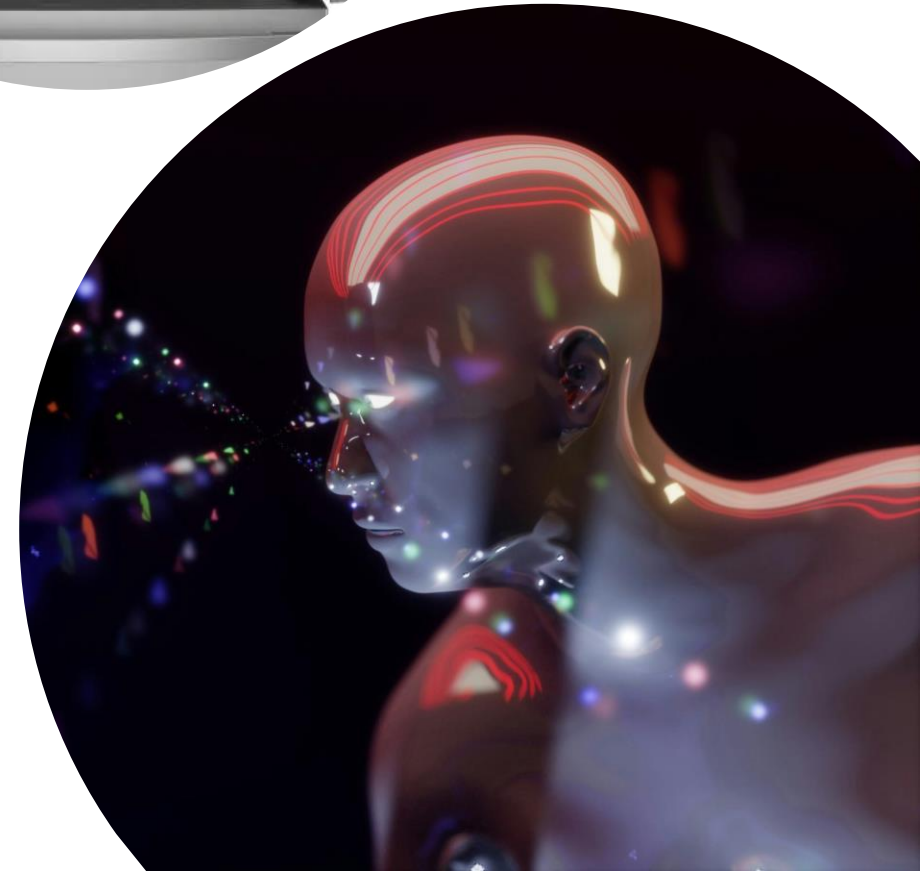
Value Capture - Average price of a bottle of Coca-Cola in the US from 1930 - 2020



I view these ML Models like refrigeration. The Coca Cola's of Ai has yet to be discovered.



Those are the companies that will monetize it. Your job at TeamSystem is to create these very lucrative tools



A basic thing to know about Machine Learning.

- *If you take one thousand of the same input and give it to Facebook, Google, Amazon , they will come up with the same ML model.*
- *If you give one of them 1 different ingredient, your output could be markedly different*



I'm not going to allow anyone to access this data.

CONFIDENTIAL

- We are in a world where we all have the same ingredient – the open web
- But soon, the markets will be sophisticated enough (refrigeration), and we will start introducing **data exclusivity**



Next rounds of M&A + Early investment

TeamSystem: interested in investing in early stage companies that have no market value now, but are building a data repository that is so unique that it will feed their ML model later on.

Google, Amazon, Microsoft asking: can TeamSystem tools be viable inputs to my ML to drive differentiation over time?



... meanwhile...



Companies

- Companies that invented refrigeration made some money
- But most of the money was made by...



How to keep up with the changes in AI?

- **Hoss Zawali** (CEO of ConnectED-Labs and Stanford University)
- **Jeremy Howard & Rachel Thomas** (Co-Founders of Fast.AI)
- **Anima Anandkumar** (Director of Machine Learning Research at NVIDIA and a Prof Caltech)
- **Chamath Palihapitiya**: CEO of Social Capital
- **Scott Gollaway**: (Prof. NYU and thought leader)
-  **The European House**
Ambrosetti



The Solar System

Elliptical Orbits

Inner Planets

Outer Planets

The Oort Cloud

The outer boundary of the Solar System

Earth Mars

Jupiter Saturn

Gas Giants

Uranus Neptune

Ice Giants

Pluto

Dwarf Planet

Comets

Bodies of Gas and dust which orbit the Sun

Meteors

Can be found anywhere within the solar system and comprise of rocks and metals.

Star)

The Sun Contains 99% of the Mass in the Solar System

1st October 2009



This Photo by Unknown Author is licensed under CC BY

Hoss Hosni Zawali

- *“The telescope made us discover that we were not the center of the solar system. Scary thought at first, but we became accustomed to it, and it made us realize the beauty of the cosmos and our modest place in it.*
- *Similarly, Ai makes us discover that intelligence extends beyond humanity, and that we don't have the monopoly on intelligence. Scary thought at first but we will soon realize our role, as just one part of a broader intellectual tapestry.*
- *Maybe then, we will be worth our planet.”*



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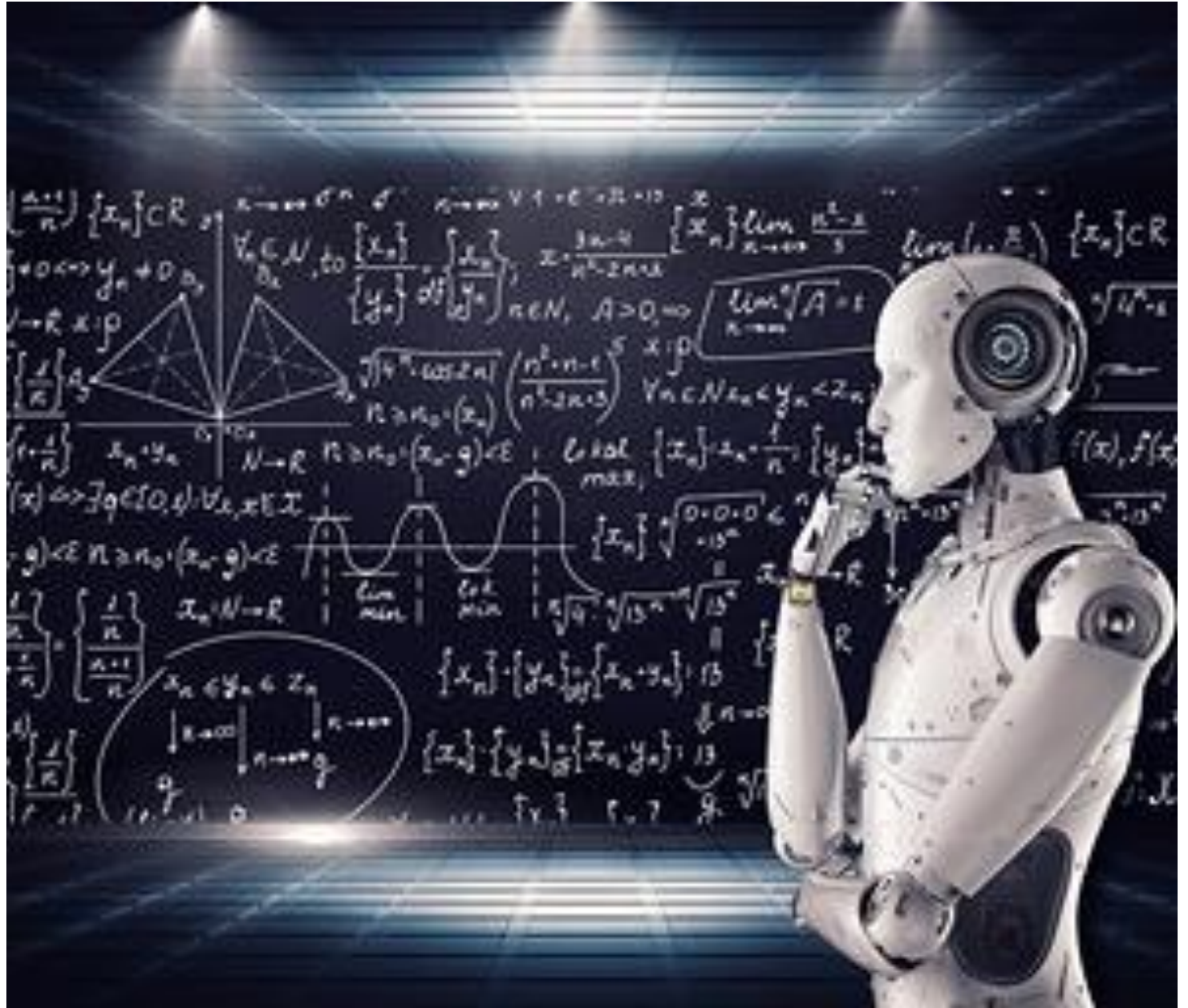
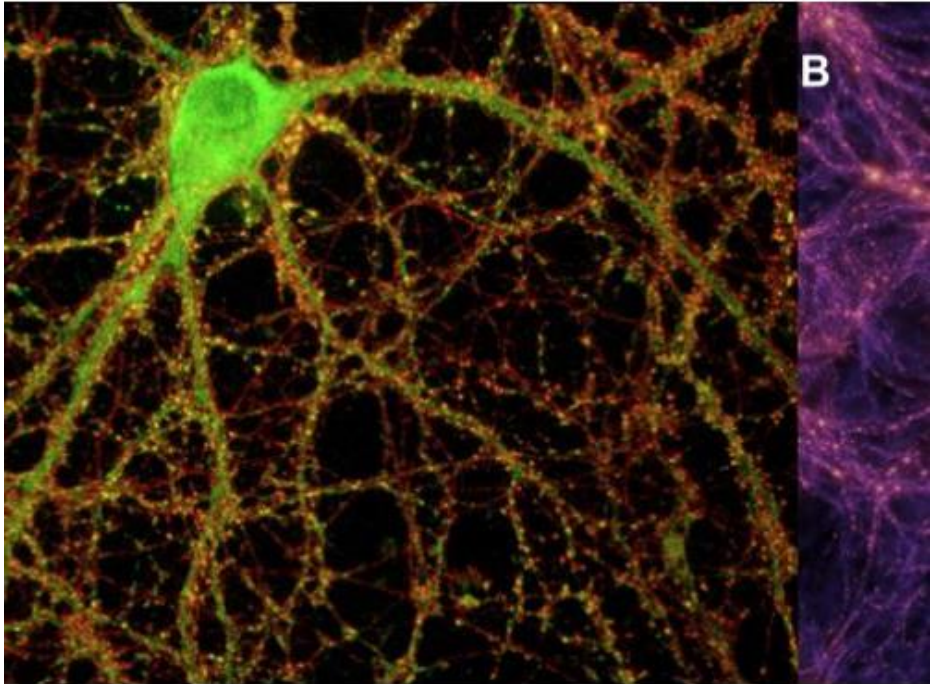
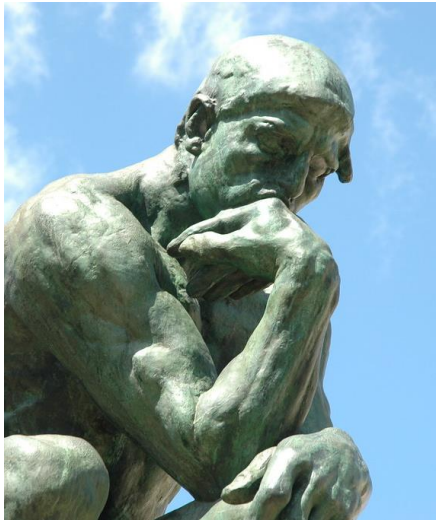
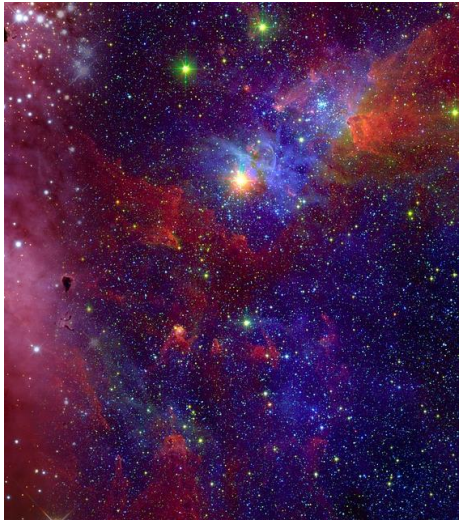
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The European House

Ambrosetti






What do we do now?

- *On one hand, I'm very worried*
- *On the other hand, I'm hopeful*





**When two giants
are fighting, the
winner is usually
the third giant -
Europe**





**Would you get in
this plane?**

A group of five people (three men and two women) are sitting on the edge of a boat, looking out at a large body of water. They have their arms around each other's shoulders, suggesting a sense of unity or shared purpose. In the background, a cable car system is visible, with several gondolas suspended from a cable that runs across the sky. The scene is set during what appears to be late afternoon or early morning, with a soft, warm light. The overall mood is peaceful and contemplative.

The world needs YOUR Canadian/European vision

Competitive Advantage: European companies should consider the ethics and transparency of AI as possible elements of differentiation. The development of AI algorithms with robust explanation capabilities can help gain the trust of customers and regulators, thus offering a competitive advantage in markets that place great importance on fairness and transparency.

QUIZ

How many people will lose
their job by 2030?

QUIZ

600,000,000 - 800,000,000

McKinsey



AI



Paddle Board

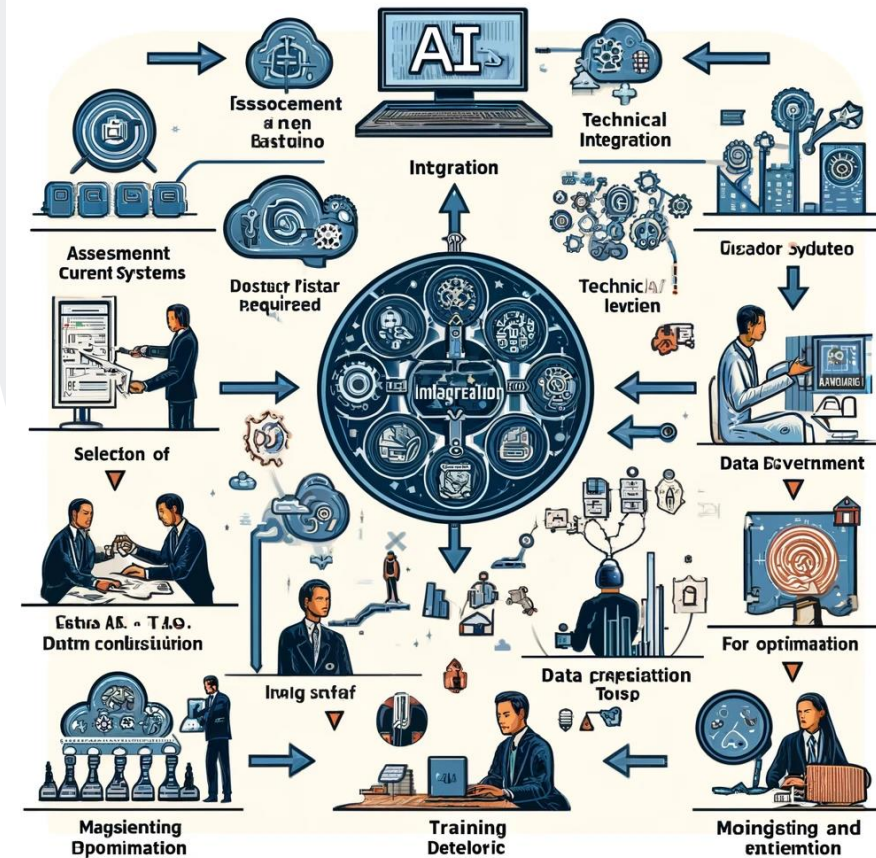


AI



- **Integration Complexity:** Technical expertise and investment are essential for integrating AI with systems like TeamSystem.
- **Data Privacy and Security:** Implementing AI must comply with GDPR and other data protection laws, ensuring secure data handling.
- **Change Management:** Effective training and adaptation strategies are crucial for maximizing the benefits of AI-enhanced features.
- **Visual:** A flowchart depicting steps for AI integration, highlighting key challenges and solutions.

Navigating AI Integration Challenges



70%

Conversations around AI on LinkedIn have increased globally by 70% between December 2022 and September 2023.

55%

of LinkedIn members globally stand to see their jobs change to some degree by the rise of generative AI.

74%

of US executives believe that GAI will benefit their employees.

Where do EXECUTIVES stand?

51%

of US/Canada executives are excited about AI advancements, but do not yet know how their organization will leverage AI tools and skills.

40%

of US/Canada executives also agree that using GAI will help unlock more growth and revenue opportunities in the next year.

4%

Currently, only 4% of executives plan to reassess roles and reduce headcount as an impact of AI on their workforce.



Which aspect of AI integration concerns you the most for your accounting practice?



Prompt Engineering

Process for designing and optimizing queries to generate very high-quality responses.

- You must specify the **role and expertise** of the AI tool.
- Provide **context** (do not forget to tell it whom to talk to, the tone, the format).
- No Copy/Pasting. Adjust your query and adjust your responses.
- Ask it to add a professional perspective, sources, fact-check, analogies.
- **Use key words:** elaborate, summarize, list, compare, pros/cons, in simple words, play the role of, imagine, clarify, step by step, generate a unique response, rephrase, classify, play devil's advocate, retrofit, critique, counter-argument.

There's an App for that There's a Chat for that

Using AI to create visuals and videos What are some examples of AI tools currently available in the market to create visuals and videos?

App Store

OpenTable

Install

KAYAK

Install

Search flights, stays & rental cars or get recommendations where you can save your budget.



FiscalNote

Install

FiscalNote enables access to select market-leading, real-time data sets for legal, political, and regulatory...



Instacart

Install

Order from your favorite local stores.



Milo Family AI

Install

Curating the wisdom of village to give parents ideas that turn any 20 minutes from meh to magic.



Speak

Install

Learn how to say anything in a language with Speak, your AI-powered language tutor.

Skill Development:

AI systems identify skill gaps in the job market and suggest training programs to job seekers.

The benefit of this is a more skilled workforce that is adaptable to the changing needs of the economy.



Resume Building and Interview

Preparation: AI tools can help job seekers optimize their resumes for specific roles, using keyword analysis to increase their chances of passing through automated screening processes.

Interviews: AI-driven avatars interview platforms like InterviewBuddy use natural language processing to give feedback on users' responses, fluency, and body language, providing a comprehensive preparation experience.





AutoSave Green Park Ltd NDA — Last Modified: Fri at 14:53

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Luminance

Ask Lumi
Type your question here...

Lumi Summary

AI Review 0%
Auto Mark-Up

Unacceptable 3
Non-Standard 1
Acceptable 76
Missing 0

The Receiving Party shall indemnify and hold harmless the Disclosing Party from and against all losses, damages and claims incurred or suffered in relation to any **breach**.

Acceptable Unacceptable

Actions

Page 5 of 5 1830 words English (United Kingdom) Accessibility: Good to go Focus 100%

of the contract in seconds, all within Microsoft Word.

QUIZ

...and where do you think they will be trained?

QUIZ

...what will they be trained to do?

The metaverse will spark societal changes

01
**Digital
Identity**

02
**Porteus
Effect**

03
**Learn 2
Earn / Play
2 Earn**

1. Digital Identity

A digital identity is more than just the appearance of your avatar. It combines all your online activity into a single passport. It's the introduction of the concept of identity into the digital world through data and visuals, digital clothing, status, trust level, social value...



2. Proteus Effect

The Proteus effect describes a phenomenon in which an individual's behavior (within a virtual world) is altered by the characteristics of their avatar. Studies from Stanford University have shown that people's behaviors and attitudes change based on the appearance of their avatar. For instance, in a controlled experiment, users who received taller avatars negotiated more aggressively than users who received shorter avatars.

3. Learn2Earn – Play2Earn

Similar to Play2Earn, people will be drawn to educational platforms that reward them for learning, collaborating with others, facilitating interactions, and organizing the learner community. This will become the default setting, and many educational institutions will need to adapt to this new model.

Students & parents play more **online games** than ever before!

Video games have become an intrinsic part of our everyday lives. Moreover, during the pandemic, online gaming has become increasingly dominant. Children under the age of 12 are playing and learning using online games.

70%

70% of parents believe video games have a **positive influence** on their children's lives

67%

67% of parents play video games with their children at least once a week

Roblox

Roblox is currently one of the most popular games in the industry amongst school children.

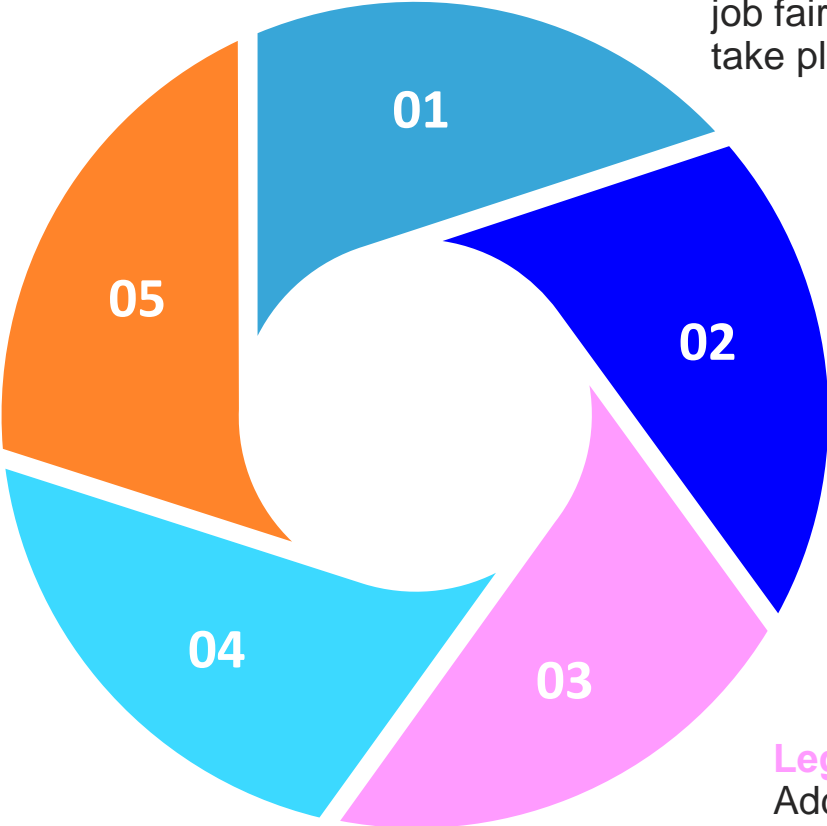
Within this virtual world, students collaborate, problem-solve and communicate with each other.

202M
monthly users
(worldwide)

Implications for Human Resources

Employee Engagement: Using the metaverse for team-building activities, virtual office spaces, and fostering collaboration.

Diversity & Inclusion: How the metaverse can be both an opportunity and a challenge for promoting diversity in the workplace.



Recruitment in the Metaverse: How virtual job fairs, interviews, and onboarding can take place in digital spaces.

Training & Development: The potential for immersive training programs, workshops, and seminars in the metaverse.

Legal & Ethical Considerations: Addressing issues like digital harassment, data privacy, and the rights of digital avatars.

"Do or Do Not - There is no TRY"



Just imagine!

What happens when you combine
the power of AI with the virtual
world of the metaverse?



What does it mean for the future of HR?

- *Personalized Assistant*
- *Collaborative Professional Development*
- *Career Guidance*
- *Safety and Well-being*
- *Lifelong Learning Companion*
- *Personalized Accountant*
- *Personalized Lawyer*
- ...

You will not be replaced by Padre Geppetto! But you will be replaced by someone who knows how to use Padre Geppetto.

