

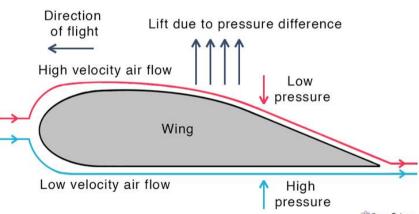
Beyond the hype: real impact through Al

Hannes Heylen Head of Data & Al Belfius Insurance



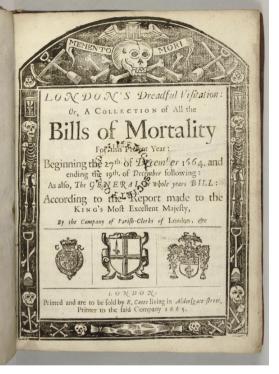
Bernoulli's Principle Example

Lift of an Aircraft



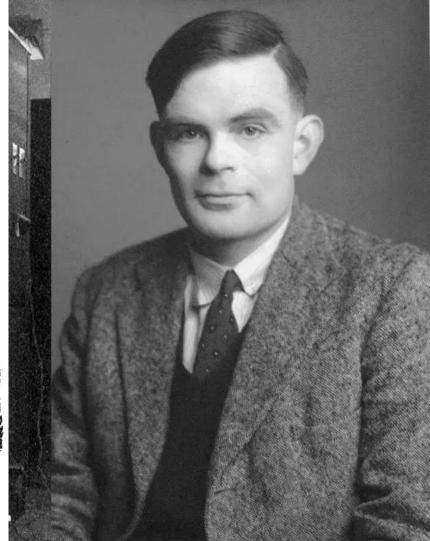






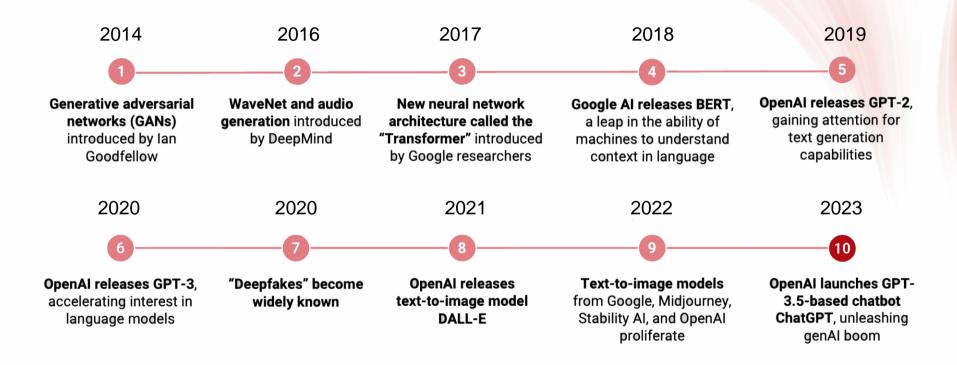


CAPTAIN JOHN GRAUNT



To quote ERNEST HEMINGWAY: "How did you go bankrupt?" "Two ways. Gradually, then suddenly."

Gradually...



Then suddenly...

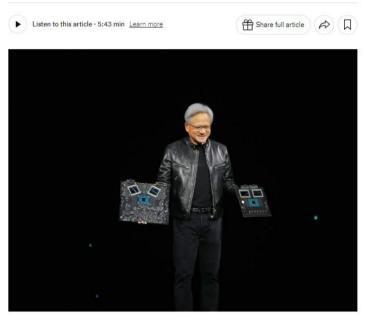
Time to 1M users for apps from launch



The New Hork Times

Nvidia Doubles Profit as A.I. Chip Sales Soar

The company, which dominates the market for chips used to build artificial intelligence, expects another big jump in the current quarter.



Nvidia gained a commanding position in artificial intelligence because its chief executive, Jensen Huang, bet that its semiconductors could be essential to building the technology. Jim Wilson/The New York Times

The A.I. Boom Has an Unlikely Early Winner: Wonky Consultants

Rattled by tech's latest trend, businesses have turned to advisers at Boston Consulting Group, McKinsey and KPMG for guidance on adopting generative artificial intelligence.

IBM, which has 160,000 consultants, has secured more than \$1 billion in sales commitments related to generative A.I. for consulting work and its watsonx system, which can be used to build and maintain A.I. models. Accenture, which provides consulting and technology services, booked \$300 million in sales last year. About 40 percent of McKinsey's business this year will be generative A.I. related.







Intelligence = Data x Compute

The New York Times





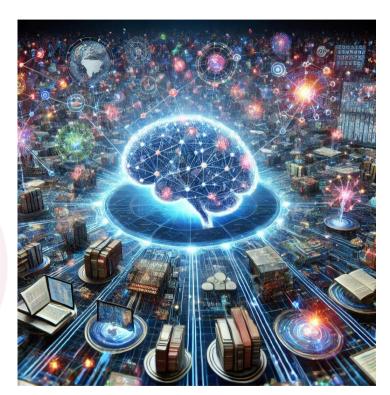












Compute: the € is the limit

Year	OOMs	H100s- equivalent	Cost	Power	Power reference class
2022	~GPT-4 cluster	~10k	~\$500M	~10 MW	~10,000 average homes
~2024	+1 OOM	~100k	\$billions	~100MW	~100,000 homes
~2026	+2 OOMs	~1M	\$10s of bil- lions	~1 GW	The Hoover Dam, or a large nuclear reactor
~2028	+3 OOMs	~10M	\$100s of billions	~10 GW	A small/medium US state
~2030	+4 OOMs	~100M	\$1T+	~100GW	>20% of US electricity production



Three Mile Island nuclear reactor to restart to power Microsoft AI operations

Pennsylvania plant was site of most serious nuclear meltdown and radiation leak in US history in 1979



■ The Three Mile Island in 2011. Its owner, Constellation Energy, will restart Unit 1, the reactor it closed in 2019. Photograph: Bradley C Bower/AP



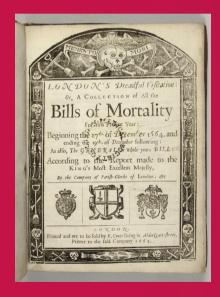
90% of the internet AI-generated by 2026?

Europol onlangs, zal 90 procent van alle online content synthetisch gegenereerd zijn, gemaakt dus door artificieel intelligente systemen als GPT-4. En zelfs als het niet dat soort vaart loopt lijdt het geen twijfel dat we in de toekomst meer en meer tekst op websites zullen lezen die werd geschreven door een machine. Taalmodellen worden met minder en minder schroom ingezet in velden als marketing, politieke communicatie en journalistiek.

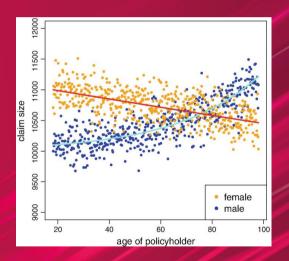
<u>Fear of 'robot inbreeding': what if AI is trained on AI content? - Data News (knack.be)</u>

We will all have to develop our 'Al intuition' and learn to evaluate what we read online with a critical mind.

So where does that leave us, the insurance industry?

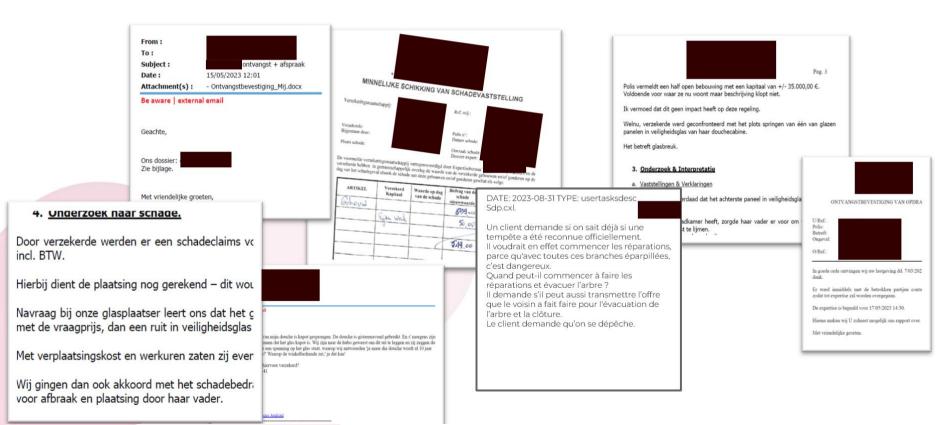




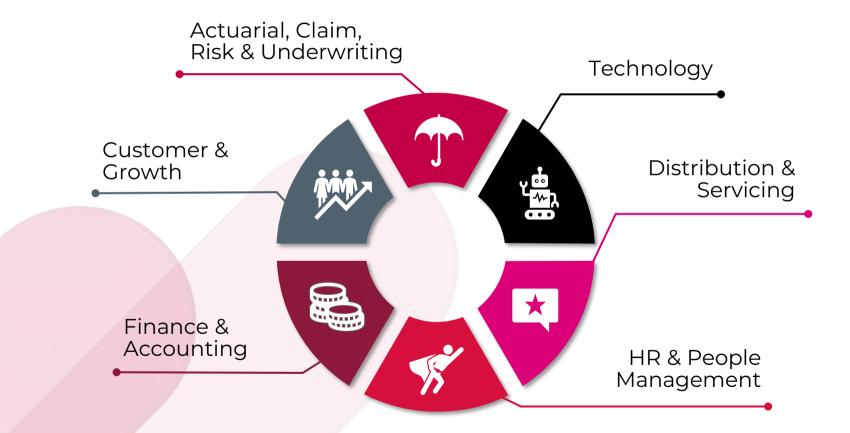




The vast amounts of unstructured data have put the Insurance sector right in the crosshairs of (gen)Al disruption

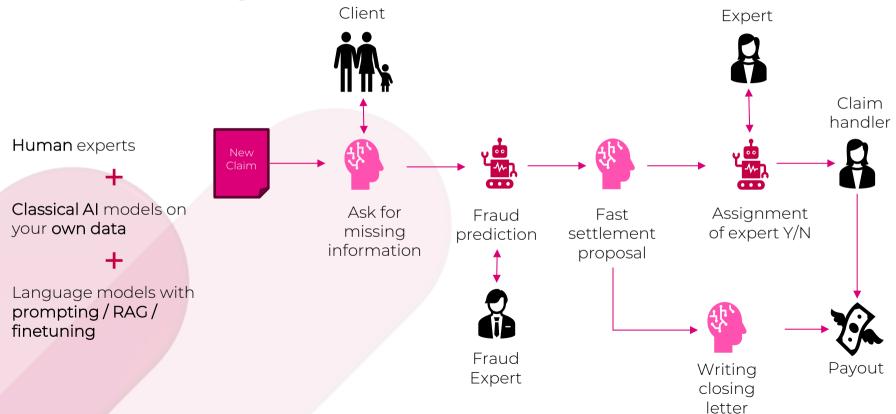


Potential for disruption throughout the value chain









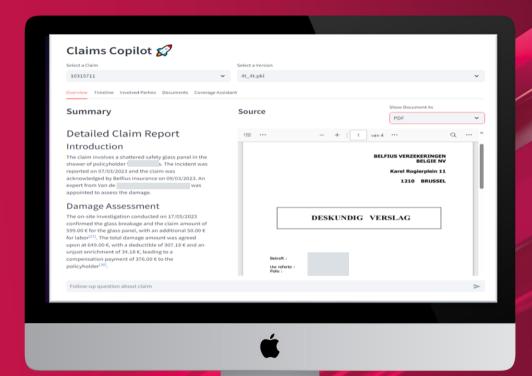


Claims Fraud (i) Dashboard Beheer schadegeval Claim: Auto (A) Claims Feedback Type Fraud cases 20% Bijkomende info tegenpartij voltooid verklaring tegenpartij opgevraagd according to IFM potential fraud O Beheer schao 33/250 ் Dashboard Claims Fraud cases Rraud cases Type van fraude 0 Zoek op ID, inspecteur o' 📓 17/12/2023 17/01/2024 Ø Beheerder Selectie (2) Reset filters Clear all filters Status Pashboard Schadegevallen Fraud cases Beheerders Ø ▼ ☐ 1/11/2023 ☐ 17/01/2024 + Meer filters set filters Clear all filters Schadegeval Screening Type Beheerder Product Status screening - 100.00 21/11/2023 Nieuw Detail - 100.00 21/11/2023 Nieuw Detail - 100,00 21/11/2023 Nieuw Detail - 100.00 21/11/2023 Auto Nieuw Detail 21/11/2023 Detail - 100,00 Nieuw Auto Nieuw

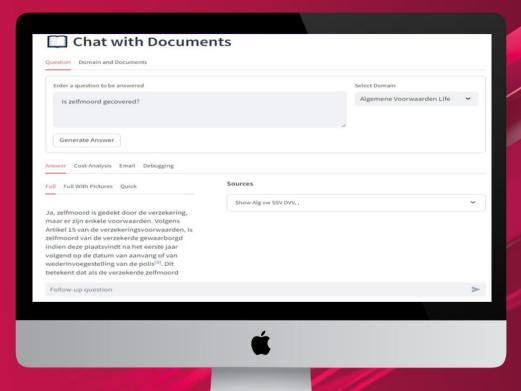


Claims Copilot



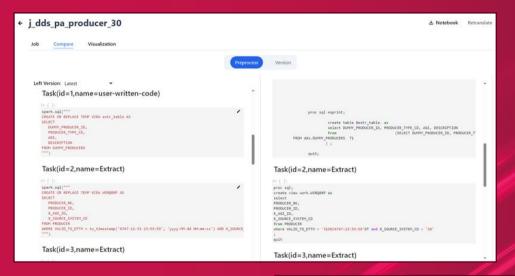


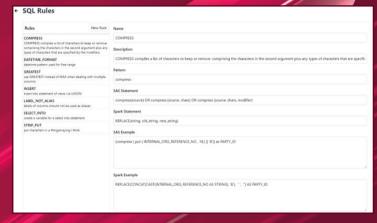
Knowledge Assistant

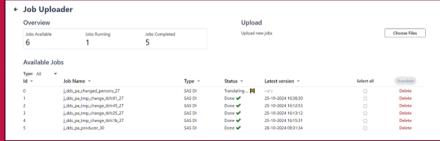




Code Migration Tool









1. Start with proven value & create a snowball effect





To quote Kent Beck:

2. Make it work, make it right, make it fast







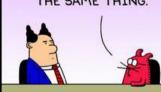
3. Create end-to-end teams: freedom & responsibility



BUT I DON'T HAVE THE BUDGET TO HIRE GOOD PEOPLE. SO I SETTLE FOR MICROMANAGING THE HALF-WITS I CAN AFFORD.



YOUR BOSS WAS JUST IN HERE SAYING THE SAME THING.

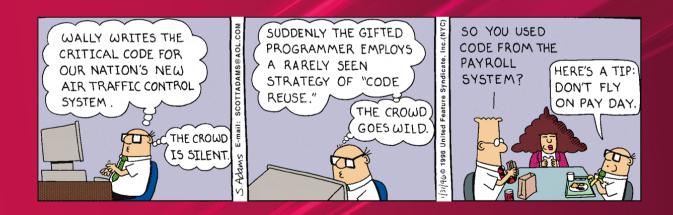


4. What people think AI does well ≠ what AI truly does well





5. Build smart : invest in reusable components & strong foundations





Transform insurance, Al can. Bold and wise, you must be. Impact, it will bring. YodaGPT Q&A