

ADVANTAGES AND RISKS

In using generative AI-tools

L.J.J. Hoezen LL.M.

Erasmus MC & Erasmus MC Holding BV

23 April 2025: AUTM Webinar

Dutch judge uses ChatGPT to help reach a verdict

August 5, 2024

A Dutch lower court judge in Nijmegen has raised eyebrows by admitting to using ChatGPT to collect information while deciding on a case, the [AD has reported](#).

The judge questioned the AI chatbot about solar panels and used the answer it generated in the verdict, much to the concern of tech and legal experts who say they have doubts about whether this was a responsible thing to do.

Source: www.dutchnews.nl



Microsoft Copilot: "Create me a realistic picture of a house with solar panels on its roof, next to a house which is bigger causing the solar panels of the neighbor being in the shadows"

Two application:

1. ChatGPT used for estimation lifespan of solar panels (5.7);
2. ChatGPT used to determine whether damaged isolation material was still useable (6.8);

Topics

Introduction to AI, history and applications

Advantages of generative AI Tools

Examples of AI tools & prompts

Awareness

WHAT IS AI?

Artificial intelligence is an intellectual, technological tool that can perform tasks that require the cognitive human brain functions in an automated way, like:

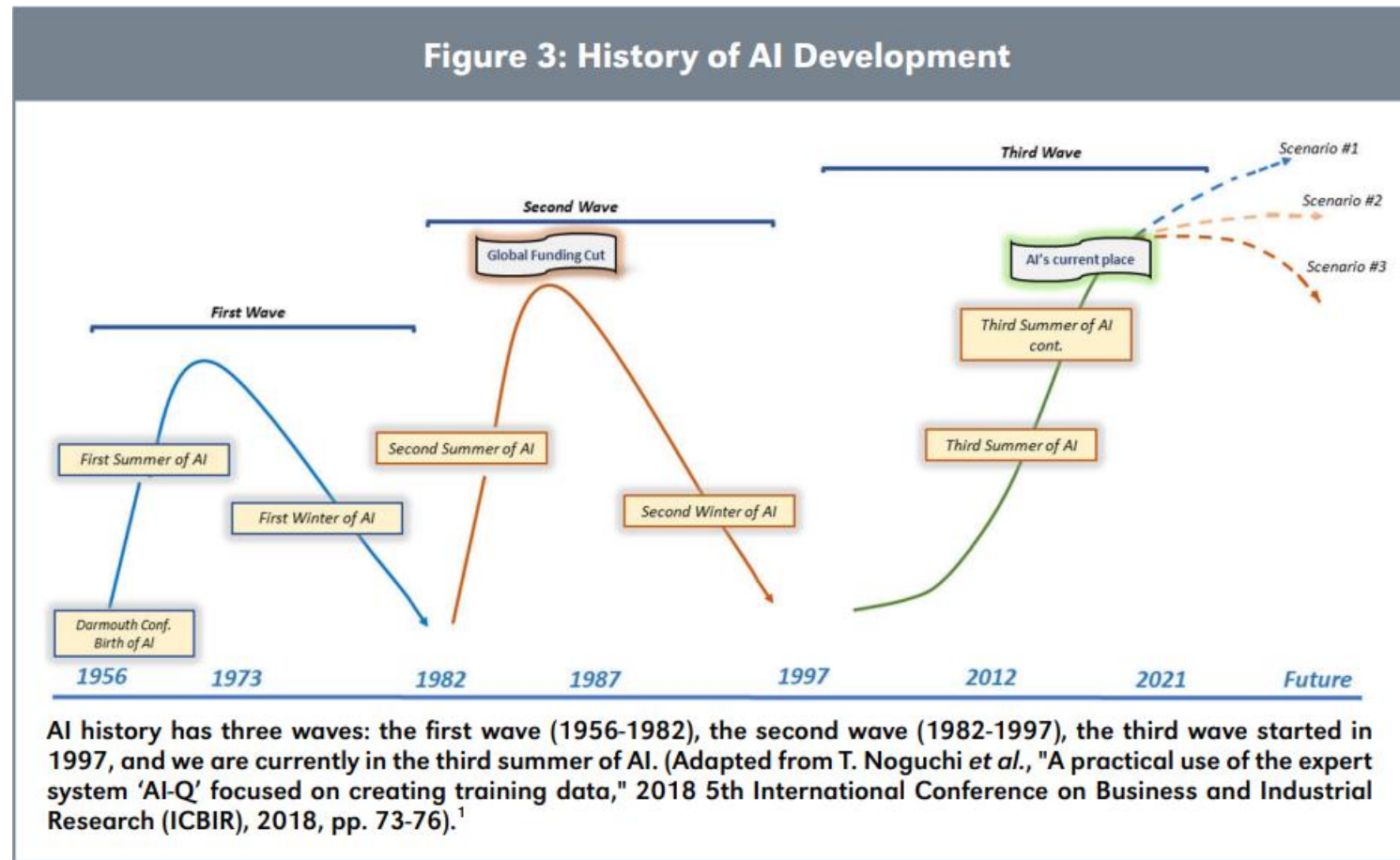
- knowledge interpretation,
- judgement,
- reasoning and
- decision-making.

However:

- No free will.



HISTORY OF AI DEVELOPMENT



Source: "Will Artificial Intelligence Shape The Future Of Technology Transfer? A Guide For Licensing Professionals", LES Nouvelles, March 2024

DAILY LIFE AI APPLICATIONS

Managing trips from booking to final destination



Deciding eligibility of people for loan or particular jobs etc.

Self-driving cars



CONTRACT MANAGEMENT

Involving artificial intelligence

- **Drafting contracts;**

Based on standard terms and conditions

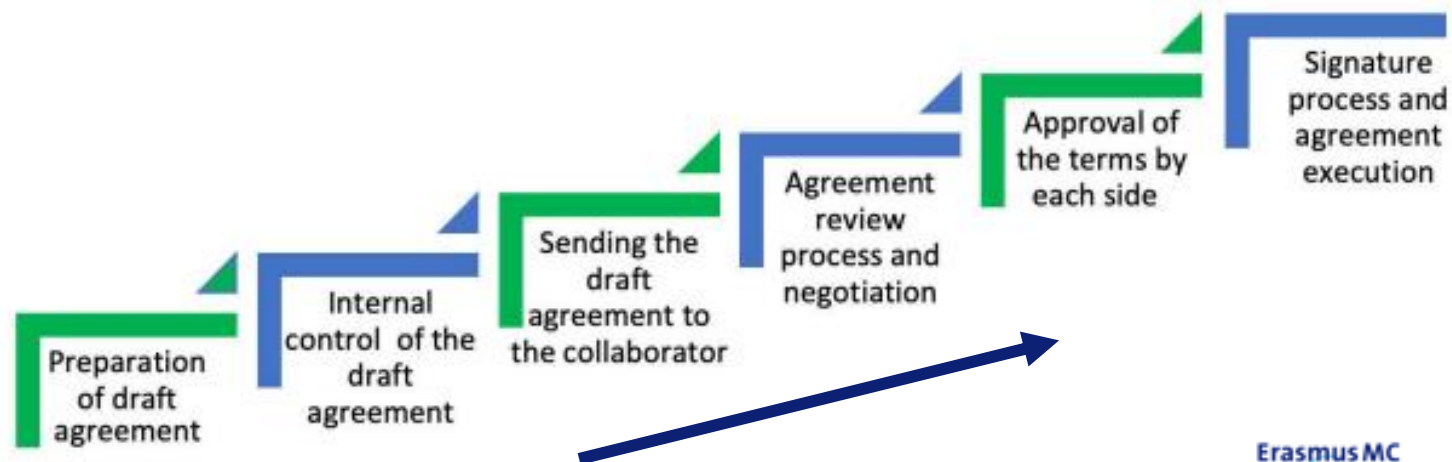
- **Negotiating and Reviewing contracts;**

Compare clauses, identify risks, recommend suggestions

- **Managing contract.**

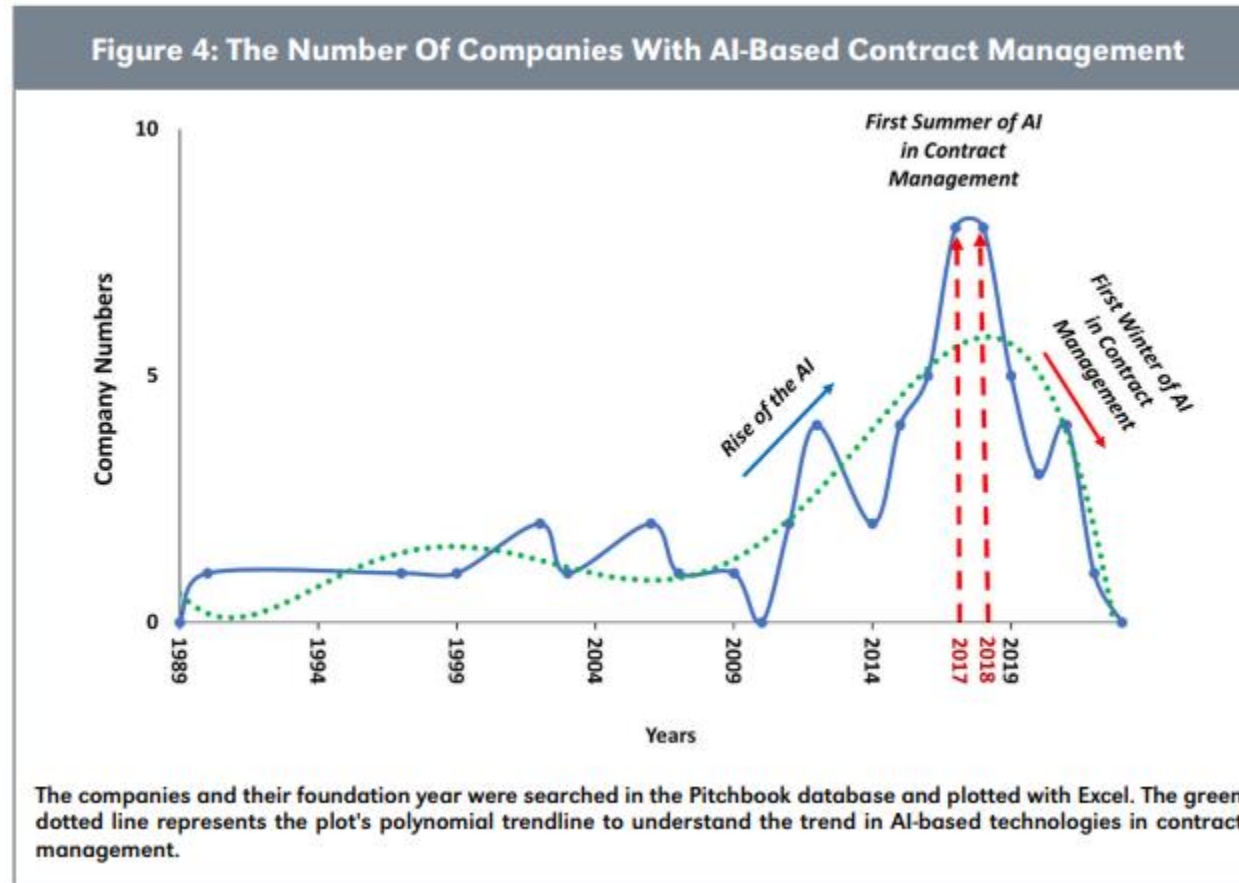
Monitoring executed agreements

Examples:



CONTRACT MANAGEMENT

Involving artificial intelligence



ADVANTAGES

- Speed
- Reducing time and costs
- Inclusion of more data
- More accurate results
- Reducing human-caused errors



Artificial intelligence

AI model predicts risk of skin cancer better than existing methods

Researchers at Erasmus MC have developed an artificial intelligence (AI) model that predicts the risk of skin cancer based on a photograph of the face. The AI model outperforms the current methods doctors use to assess skin cancer risk.

By: [Berit Sinterniklaas](#)

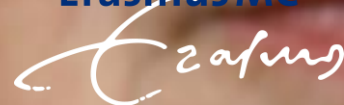
21 March 2024

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4 likes

Reading time 2

Erasmus MC



Artificial Intelligence

Brazil hires OpenAI to cut costs of court battles

By **Marcela Ayres** and **Bernardo Caram**

June 11, 2024 7:41 PM GMT+2 · Updated 16 hours ago



BRASILIA, June 10 (Reuters) - Brazil's government is hiring OpenAI to expedite the screening and analysis of thousands of lawsuits using artificial intelligence (AI), trying to avoid costly court losses that have weighed on the federal budget.

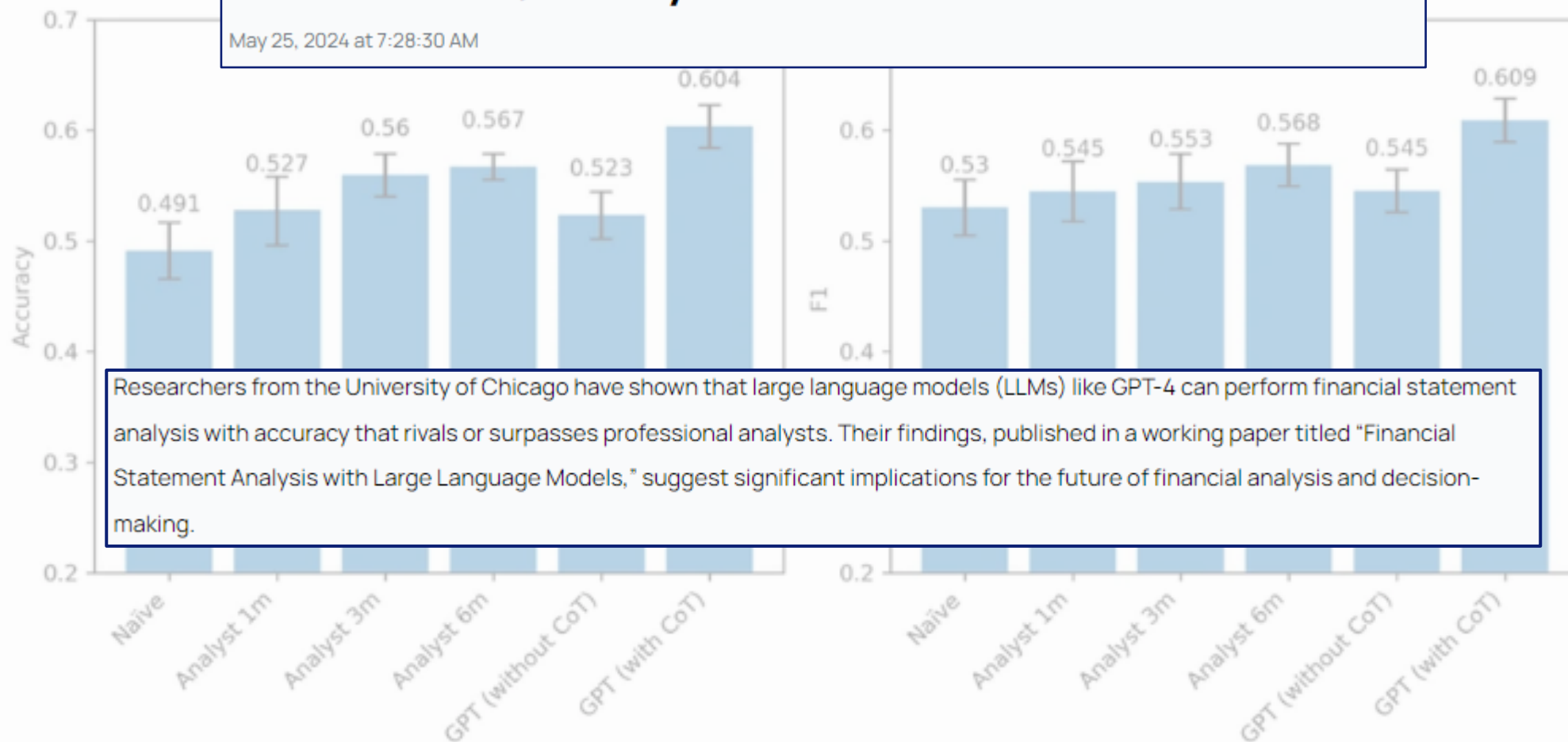
The AI service will flag to government the need to act on lawsuits before final decisions, mapping trends and potential action areas for the solicitor general's office (AGU).

AGU told Reuters that Microsoft ([MSFT.O](#)) would provide the artificial intelligence services from ChatGPT creator OpenAI through its Azure cloud-computing platform. It did not say how much Brazil will pay for the services.

Court-ordered debt payments have consumed a growing share of Brazil's federal budget. The government estimated it would spend 70.7 billion reais (\$13.2 billion) next year on judicial decisions where it can no longer appeal. The figure does not include small-value claims, which historically amount to around 30 billion reais annually.

GPT-4 Outperforms Human Analysts in Financial Predictions, Study Finds

May 25, 2024 at 7:28:30 AM



Researchers from the University of Chicago have shown that large language models (LLMs) like GPT-4 can perform financial statement analysis with accuracy that rivals or surpasses professional analysts. Their findings, published in a working paper titled "Financial Statement Analysis with Large Language Models," suggest significant implications for the future of financial analysis and decision-making.

“Hey ChatGPT, Please Write My Plea”: AI’s Arrival in Dutch Courts

From lawyers writing pleadings with AI to judges drafting verdicts using ChatGPT, artificial intelligence is reshaping courtrooms. This blog post looks at Dutch verdicts in which ChatGPT was used by litigants or the judge, and explores the implications for judicial practice.

by Daan Kingma

Artificial intelligence tools are making waves across the legal sector. ChatGPT in particular is all the hype, with debates still ongoing about its potential role in courtrooms: from assisting judges in drafting opinions, to lawyers relying on AI-generated arguments, and even parties submitting ChatGPT-produced evidence. As a report on *Verfassungsblog* suggests, the “robot judge” is already here, with Colombian judges using ChatGPT to write complete verdicts. In the UK, appeal judge Lord Justice Birss described ChatGPT as “jolly useful” for providing summaries of an area of law. Meanwhile, in China, AI is embraced in courtrooms, with the “Little Sage” (小智) system handling entire small claims proceedings.

EXAMPLES OF GENERATIVE AI-TOOLS

Chatbot/LLM

Text-to-Picture

Text-to-Video

Text-to-Voice

AI

Speech-to-Text

PDF analyzing

Presentations

Coding

EXAMPLES OF GENERATIVE AI-TOOLS

Chatbot/LLM

-  ChatGPT
-  Claude
-  Copilot




Text-to-Picture

-  DALL-E
-  Midjourney
-  Firefly

Text-to-Video

-  Runway
-  InVideo AI
-  HeyGen




Text-to-Voice

-  PlayHT
-  11Labs
-  Murf AI

Speech-to-Text

-  Whisper
-  11Labs
-  Descript

PDF analyzing

-  Adobe
-  NoteGPT
-  Unriddle

Presentations

-  Tome
-  Gamma
-  Beautiful

Coding

-  Codex
-  AlphaCode
-  Tabnine

AUTOMATION OF GENERATIVE AI

- Daily processes
- Automated flows
- Conventional tools
- Generative AI-tools

Examples:

 **make**

 **Cassidy**

 OpenAI Assistant

Example prompts



ChatGPT

Certainly! Here's a draft of an assignment clause for a license agreement:

Assignment Clause

Assignment and Transfer

1. **Licensee** shall not assign, transfer, sublicense, or otherwise dispose of any of its rights, duties, or obligations under this Agreement, in whole or in part, without the prior written consent of the **Licensor**, which consent shall not be unreasonably withheld or delayed.
2. **Licensor** may assign its rights and obligations under this Agreement, in whole or in part, to its affiliate or in connection with a merger, acquisition, corporate reorganization, or sale of substantially all of its assets related to this Agreement, provided that such assignee agrees in writing to be bound by the terms and conditions of this Agreement.



- **Write your prompt like you are explaining to a human being (e.g. colleague).**

Draft me an assignment clause for a license agreement?



ChatGPT

Certainly! Here's a draft of an assignment clause for a license agreement that addresses the transfer of intellectual property from the licensor to the licensee in the event that an investor wants to invest more than two million euros into the licensee:

Assignment and Transfer of Intellectual Property

Assignment and Transfer of Intellectual Property

1. Conditional Assignment:

In the event that an investor commits to an investment of more than two million euros into Licensee, Licensor agrees to assign and transfer all rights, title, and interest in the intellectual property covered under this Agreement to Licensee.

2. Assignment Procedure:

a. **Notice:** Upon the confirmation of an investment commitment exceeding two million euros, Licensee shall notify Licensor in writing within ten (10) business days.

b. **Execution of Documents:** Within thirty (30) business days of receiving the notice, Licensor shall execute and deliver any and all documents necessary to effectuate the assignment and transfer of

Licensee.

Licensor shall assist Licensee in registering the transfer of intellectual property with the relevant regulatory bodies to ensure the effective transfer of rights.



- **Provide your tool with all the necessary details to get the best result.**

Draft me an assignment clause for a license agreement to assign and transfer the intellectual property from licensor to licensee in case an investor wants to invest more than two million euro into licensee?

Disclaimer

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These documents are not a substitute for professional medical advice, diagnosis, or treatment. Always seek the advice of your physician or other qualified health provider with any questions you may have regarding a medical condition or treatment. Never disregard professional medical advice or delay in seeking it because of something you have read in these documents.

[Your Organization Name] reserves the right to modify, update, or remove these documents at any time without notice.



- Put background information into your prompt to get a more accurate result.
- Try the same prompt with different tools for better results.

We have some medical quality documents that want to share on our website which other institutions can use at their own risk. We want to exclude our own liability for any damages caused by the use of the documents by a third party. Could you draft me a disclaimer for our website?

By using the contents provided herein, you acknowledge and agree to this disclaimer. With this disclaimer, please do not use our website or its contents.



The Business Model: Nature and Benefits

Ramon Casadesus-Masanell
John Heilbron

Working Paper 15-089

The PDF file discusses the concept of a business model and its benefits. It explains that a business model is a set of decisions made by a company, enforced by its authority. These decisions determine how the company creates and captures value in the market. The PDF also highlights the importance of strategic decision-making in designing a business model that differentiates the company from its competitors and ensures long-term profitability. It mentions the role of activity systems, resources, and dynamic capabilities in creating and sustaining competitive advantage. The PDF further explores the idea that business models can help companies capture value even in the face of changing market conditions. Overall, the PDF emphasizes the significance of understanding and effectively implementing a business model for business success.

Could you summarize this pdf file in very understandable language?



Example prompts

Amazon's shopping basket patent



Sure! Here's a teaser for Amazon's expired shopping basket patent application (US6317722B1):

Amazon's Shopping Basket Patent (US6317722B1)

Imagine a world where your online shopping experience is tailored just for you. Amazon's innovative patent, filed in 1998 and granted in 2001, revolutionized e-commerce by introducing a system that uses the contents of your electronic shopping cart to generate personalized product recommendations. This patent described a method where items in your cart are analyzed to suggest additional products you might love, based on correlations from other users' purchase histories⁽¹⁾.

Impact on Competitors

Amazon's patent set a new standard in the e-commerce industry, pushing competitors to innovate their own recommendation systems. Companies like Walmart and eBay had to enhance their algorithms to keep up with the personalized shopping experience Amazon offered. This led to a broader adoption of machine learning and data analytics in online retail, ultimately benefiting consumers with more relevant and engaging shopping experiences⁽²⁾.

How do you feel about the impact of such innovations on your shopping habits?

Could you write me a teaser of Amazon's already expired shopping basket patent application (US6317722B1) and how did this patent influence competitors?

Example prompts

Adjusting clauses



The Licensor's total cumulative liability under this Agreement, from all causes of action and all theories of liability, will be limited to and will not exceed the amount of fees paid by the Licensee to the Licensor under this Agreement.



The total cumulative **liability of either party** under this Agreement, from all causes of action and all theories of liability, will be limited to and will not exceed the amount of fees paid by the Licensee to the Licensor under this Agreement.

Could you make the following clause reciprocal?

Example prompts

Text-to-video



Apply for AUTM Webinar committee.
Language: English.

AUTM is the non-profit leader in efforts to educate, promote and inspire professionals to support the development of academic research that changes the world and drives innovation forward. Our community is comprised of more than 3,000 members who work in more than 800 universities, research centers, hospitals, businesses and government organizations around the globe.

The AUTM Webinar committee is looking for new committee members. Tasks are: defining webinars that are of the interest of members of the community, seeking and approaching potential speakers for the webinars and drafting the annual webinar schedule together with other committee members.

If you are not interested in joining the AUTM webinar committee, you can always provide webinar proposals to the committee to organize.

Feel free to reach out to the organization of AUTM for more information.

922/3200

Generate a video ✨





AWARENESS

AWARENESS

Intellectual property rights

Limitations of using results generated by AI-tools?

Could a generative AI-tool qualify as an owner?

Could you infringe third parties IP-rights?

Could prompts be protected by copyright?

Intellectual property rights

- **Terms and conditions of the AI-tool;**
 - You may not use Output to develop models that compete with OpenAI.
 - As between you and OpenAI, and to the extent permitted by applicable law, you (a) retain your ownership rights in Input and (b) own the Output. We hereby assign to you all our right, title, and interest, if any, in and to Output.
- **Limitation in using deepfakes (*art. 50 section 4 European AI-act*)**

Limitations of using results generated by AI-tools?

Could a generative AI-tool qualify as an owner?

Could you infringe third parties IP-rights?

Could prompts be protected by copyright?

AWARENESS

Intellectual property rights

- Assumably not;
- Copyright laws require human authorships;
- Patent laws also require a human inventorship;
- DABUS patent case;

Limitations of using results generated by AI-tools?

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AWARENESS

Intellectual property rights

Limitations of using results generated by AI-tools?

Could a generative AI-tool qualify as an owner?

Could you infringe third parties IP-rights?

Could prompts be protected by copyright?

- No guarantee of not infringing any intellectual property right;
- Normal legal IP concepts are applicable;

AWARENESS

Intellectual property rights

Limitations of using results generated by AI-tools?

Could a generative AI-tool qualify as an owner?

Could you infringe third parties IP-rights?

Could prompts be protected by copyright?

- Might be possible;
- Normal legal IP concepts are applicable;
- Requires original, creative and personal stamp of the author

Confidential information & privacy

Do not put confidential information or personal data into a public generative AI-tool.

When does this go wrong? (And it does!)

1. Your organization does not offer its employees a closed environment, while they using generative AI-tools.
2. When a colleague will offer you to **translate** an agreement, document or IDF form a foreign language into English or visa versa;
3. When you want a large document with personal data or trade secrets to be **summarized**;
4. Making minutes of lengthy board meetings readable and smart;

Dutch privacy watchdog warns firms that use AI chatbots

August 7, 2024

The Dutch privacy watchdog [Autoriteit Persoonsgegevens](#) has issued a warning about the use of AI-driven chatbots by companies, following several leaks of private information, including medical details.

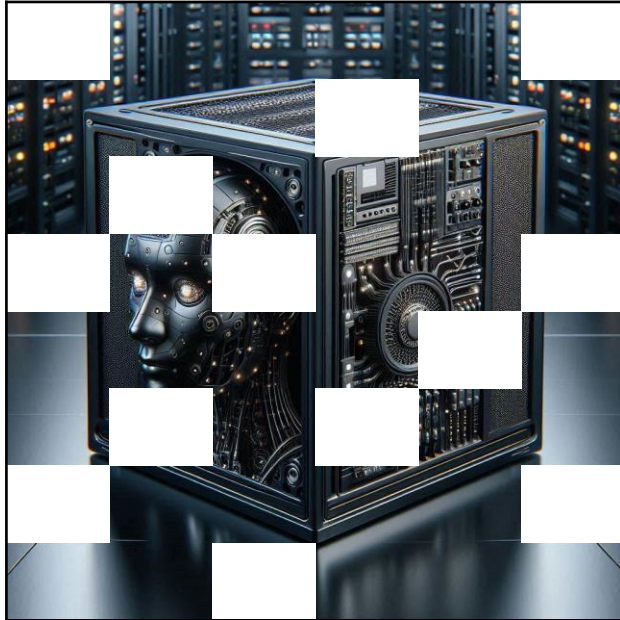
Workers who use digital assistants such as ChatGPT to answer questions from customers or summarise large files, may save time, but they also pose a risk to data protection, the AP said.

In one case, a family doctor's assistant fed private information about patients into a ChatGPT-based programme, which was then stored on the tech company's servers and potentially used to train the software, the AP said.

Source: www.dutchnews.nl

AWARENESS

AI is only as good as its data!



Potential lack of quality of data

Biased decision making & societal biases

Ethical risks, spreading misinformation

Black box: you don't know how it got its answer

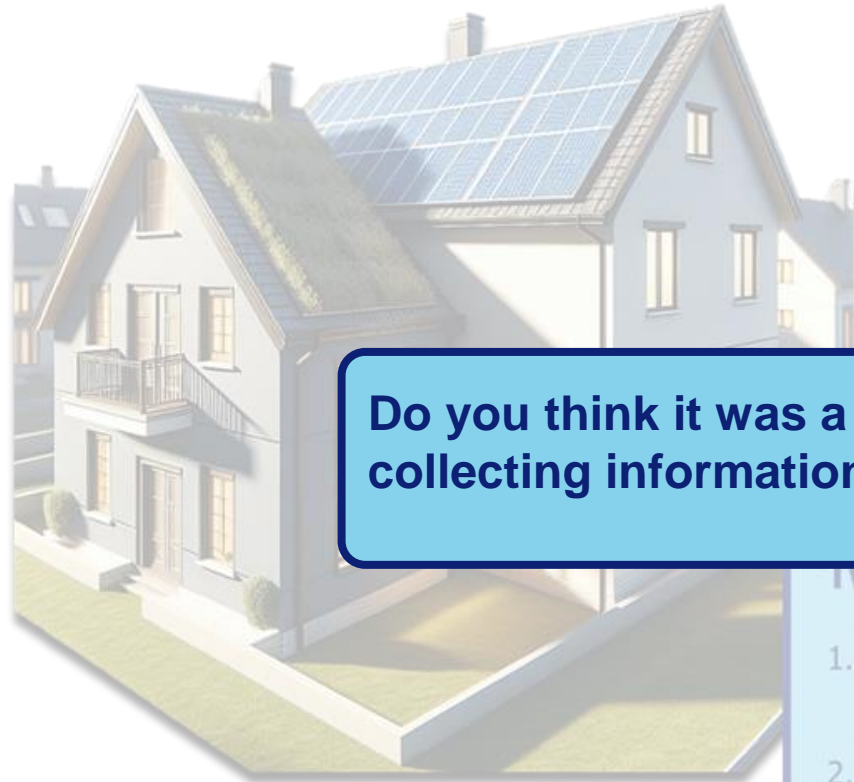
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Source: www.dutchnews.nl



Microsoft Copilot: "Create me a realistic picture of a house with solar panels on its roof, next to a house which is bigger causing the solar panels of the neighbor being in the shadows"

Do you think it was a good idea for the judge to use ChatGPT for collecting information while deciding on an actual court case?

Two application:

1. ChatGTP used for estimation lifespan of solar panels (5.7);
2. ChatGTP used to determine whether damaged isolation material was still useable (6.8);

Three websites to pioneer for yourself



The AI community building the future.

The platform where the machine learning community collaborates on models, datasets, and applications.

Explore AI Apps

or

Browse 1M+ models

<https://huggingface.co>


The screenshot displays the Hugging Face homepage with a dark theme. At the top, navigation tabs include 'Tasks', 'Libraries', 'Datasets', 'Languages', 'Licenses', and 'Other'. A search bar for 'Filter Tasks by name' is present. The main content area is organized into categories: 'Multimodal' (Text-to-Image, Image-to-Text, Text-to-Video, Visual Question Answering, Document Question Answering, Graph Machine Learning), 'Computer Vision' (Depth Estimation, Image Classification, Object Detection, Image Segmentation, Image-to-Image, Unconditional Image Generation, Video Classification, Zero-Shot Image Classification), 'Natural Language Processing' (Text Classification, Token Classification, Table Question Answering, Question Answering, Zero-Shot Classification, Translation, Summarization, Conversational, Text Generation, Text2Text Generation, Sentence Similarity), 'Audio' (Text-to-Speech, Automatic Speech Recognition, Audio-to-Audio, Audio Classification, Voice Activity Detection), 'Tabular' (Tabular Classification, Tabular Regression), and 'Reinforcement Learning' (Reinforcement Learning, Robotics). On the right, a 'Models' section shows a list of popular models with their names, primary tasks, update times, and community metrics (downloads and likes). Visible models include meta-llama/Llama-2-70b, stabilityai/stable-diffusion-xl-base-0.9, openchat/openchat, llllyasviel/ControlNet-v1-1, cerspense/zeroscope_v2_XL, meta-llama/Llama-2-13b, tiuae/falcon-40b-instruct, WizardLM/WizardCoder-15B-V1.0, CompVis/stable-diffusion-v1-4, stabilityai/stable-diffusion-2-1, and Salesforce/xgen-7b-8k-inst.

Erasmus MC

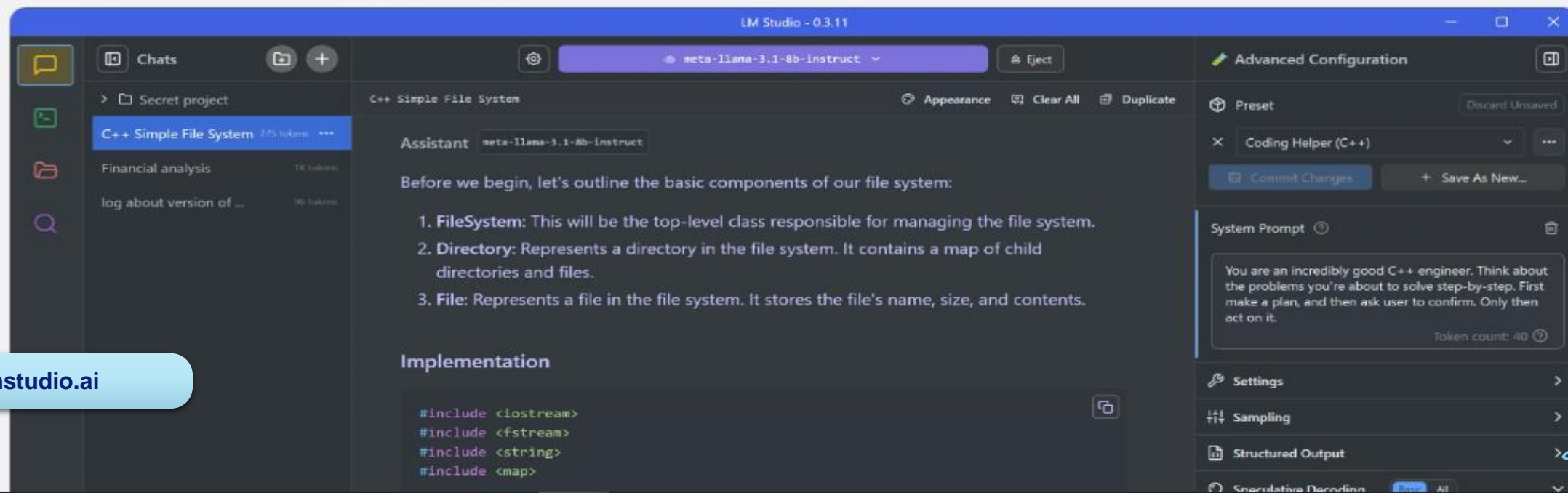
Erasmus

Your local AI toolkit.

Download and run Llama, DeepSeek, Mistral, Phi on your computer.

 [Download LM Studio for Windows](#) 0.3.14

By using LM Studio, you agree to its [terms of use](#)



<https://lmstudio.ai>

Matplotlib Scatter
Matplotlib Bars
Matplotlib Histograms
Matplotlib Pie Charts

Machine Learning

Getting Started

Mean Median Mode
Standard Deviation
Percentile
Data Distribution
Normal Data Distribution
Scatter Plot
Linear Regression
Polynomial Regression
Multiple Regression
Scale
Train/Test
Decision Tree
Confusion Matrix
Hierarchical Clustering
Logistic Regression
Grid Search
Categorical Data
K-means
Bootstrap Aggregation
Cross Validation
AUC - ROC Curve
K-nearest neighbors

Python MySQL

MySQL Get Started

MySQL Create Database

Machine Learning

[< Previous](#)[Next >](#)

Machine Learning is making the computer learn from studying data and statistics.

Machine Learning is a step into the direction of artificial intelligence (AI).

Machine Learning is a program that analyses data and learns to predict the outcome.

Where To Start?

In this tutorial we will go back to mathematics and study statistics, and how to calculate important numbers based on data sets.

We will also learn how to use various Python modules to get the answers we need.

And we will learn how to make functions that are able to predict the outcome based on what we have learned.

Data Set

In the mind of a computer, a data set is any collection of data. It can be anything from an array to a complete database.

Example of an array:

```
[99,86,87,88,111,86,103,87,94,78,77,85,86]
```



COLOR PICKER



ADVANTAGES AND RISKS

In using generative AI-tools

Any questions?

L.J.J. Hoezen LL.M.

Erasmus MC & Erasmus MC Holding BV

Email: l.hoezen@erasmusmc.nl