



ChatGPT & Schule

Wie KI-gestützte Tools den Unterricht bereichern können

Dipl.-Ing. Mag. Lisa Kuka



OpenAls ChatGPT

- im November 2022
- Gegründet von Elon Musk, Sam Altman und anderen im Jahr 2015
- eine Welle von GenKI Tools
 - Midjourney für Bildgenerierung
 - Tome und Gamma.app für die Erstellung von Präsentationen
 - Elicit für das Suchen und Zusammenfassen von wissenschaftlichen Publikationen
 - Perplexity als Allround Tool

ChatGPT 3.5 ▾



How can I help you today?

Design a database schema
for an online merch store

Compare business strategies
for transitioning from budget to lux...

Brainstorm names
for a non-alcoholic cocktail with Co...

Explain superconductors
like I'm five years old

Message ChatGPT...



ChatGPT can make mistakes. Consider checking important information.

Was ist ChatGPT?

- Künstliche Intelligenz (KI)
- Textgenerierungsmodell
- Entwickelt von OpenAI
- Basierend auf der GPT-3.5-Architektur

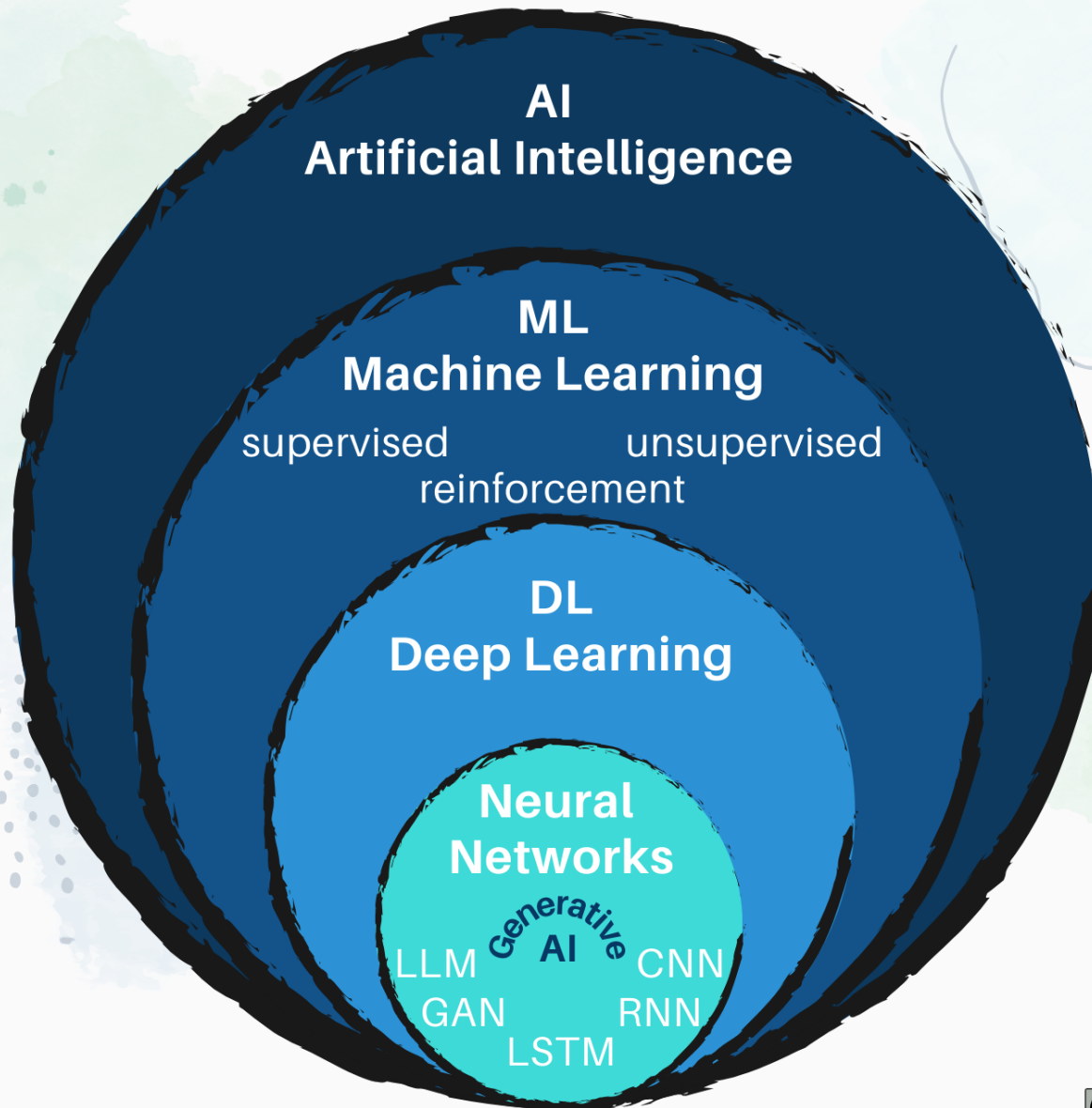
Generative Pre-trained Transformer

in der Lage ist, Texte zu generieren

zugrunde liegende Modellarchitektur

auf umfangreichen Textdaten vorab
trainiert

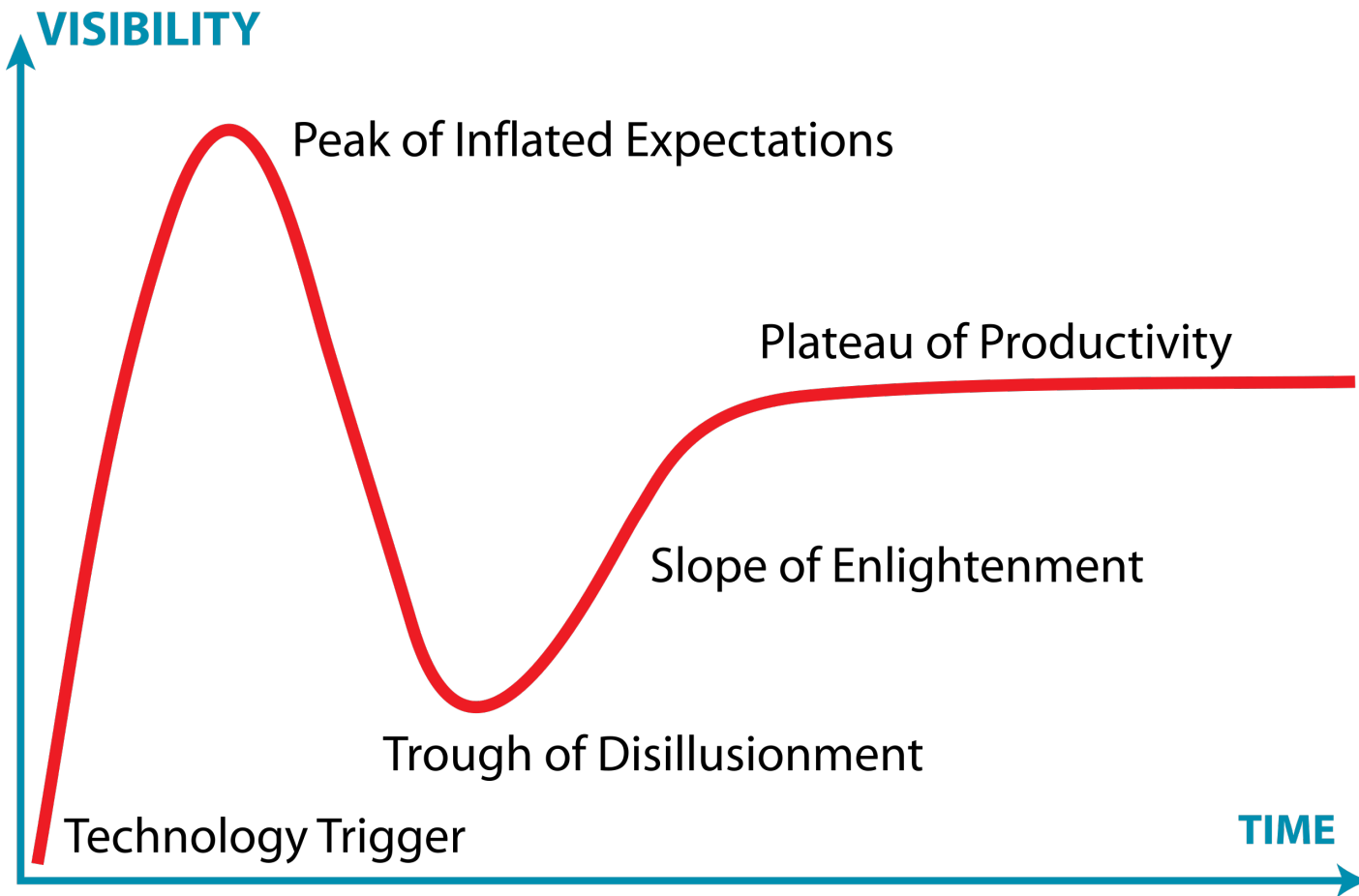
Hierarchical Landscape of AI



Was ist ChatGPT?

- Kann natürliche Sprache "verstehen" und erzeugen
- Antwortet auf Fragen und führt Gespräche
- Informationsquelle bis zum **Wissensstichtag im Januar 2022** (davor September 2021)
- Kann in Chatbots, Assistenzsystemen und mehr integriert werden
- **Keine bewusste Intelligenz** oder eigene Gedanken
- Abhängig von den bereitgestellten Textdaten

Der Hype-Zyklus nach Gartner



Wo befinden Sie sich gerade?

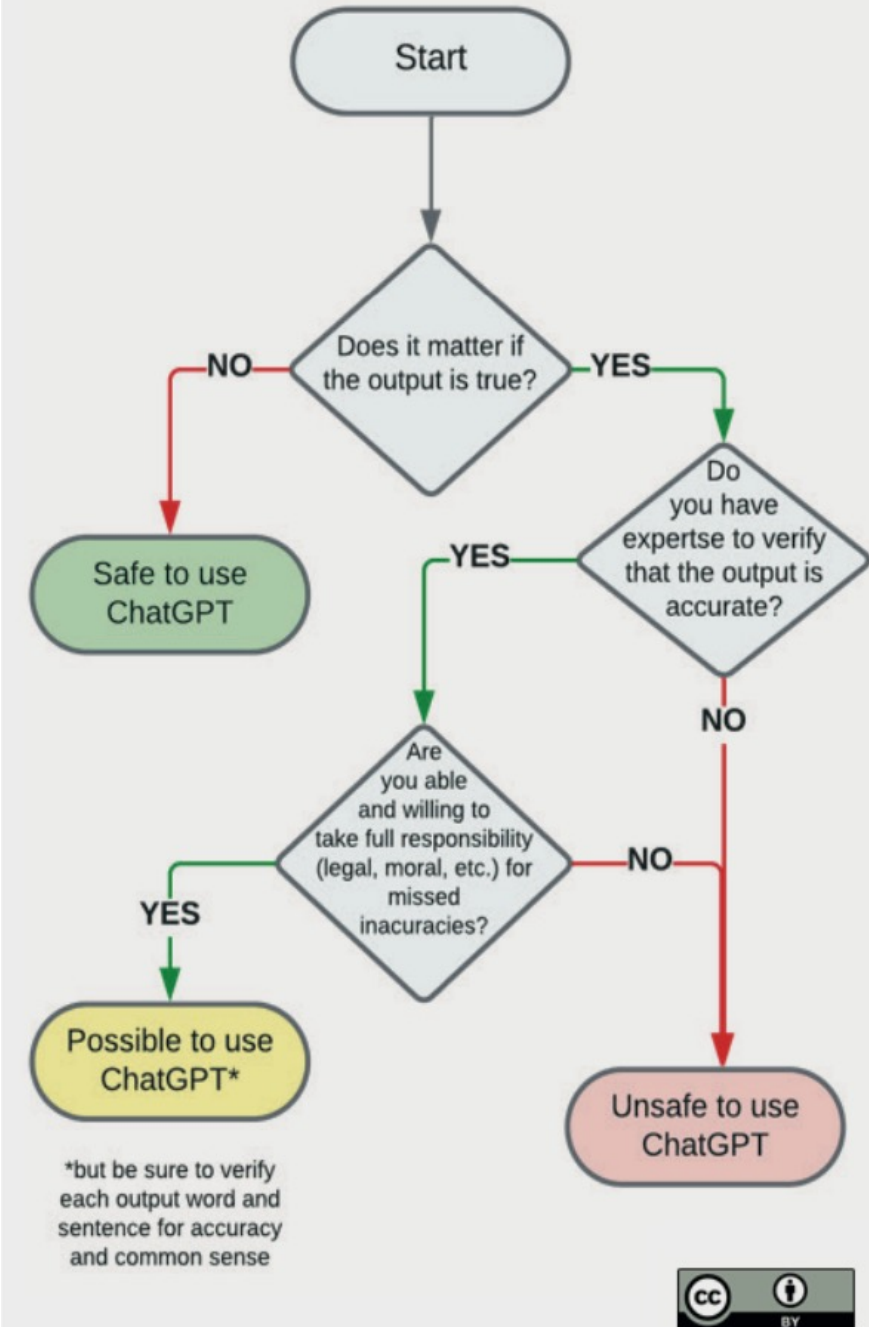
Hype-Zyklus

1. **Technologieauslöser:** In dieser Phase gibt es einen Auslöser, der das Potenzial einer neuen Technologie zeigt, in diesem Fall generative KI. Dies könnte beispielsweise eine bahnbrechende Forschungsarbeit oder ein Durchbruch in der Entwicklung sein, der das Interesse und die Neugier weckt.
2. **Aufstieg zur Spitze der überzogenen Erwartungen:** Die Technologie gewinnt an Aufmerksamkeit, und es entsteht ein Hype um ihre möglichen Anwendungen. In Bezug auf generative KI könnten die Menschen übertriebene Erwartungen haben, wie diese Technologie menschenähnliche Kunstwerke schaffen oder komplexe Probleme auf Knopfdruck lösen könnte.
3. **Tal der Enttäuschung:** In dieser Phase erkennen die Menschen die Grenzen und Herausforderungen der Technologie. Die anfänglichen Erwartungen werden nicht erfüllt, und es treten Rückschläge und Enttäuschungen auf. Beispielsweise könnten einige Anwendungen von generativer KI als unzuverlässig oder ethisch bedenklich angesehen werden.
4. **Pfad der Erleuchtung:** Während des Pfads der Erleuchtung beginnen Unternehmen und Anwender, die tatsächlichen Möglichkeiten und Grenzen der Technologie besser zu verstehen. Es werden realistischere Erwartungen entwickelt, und es entstehen erfolgreichere Anwendungen von generativer KI, die echten Nutzen bieten.
5. **Plateau des Produktivitätsniveaus:** Schließlich erreicht die Technologie das Plateau des Produktivitätsniveaus, wo sie weit verbreitet akzeptiert und in verschiedenen Anwendungsgebieten erfolgreich eingesetzt wird. In diesem Stadium werden bewährte Verfahren etabliert, und die Technologie wird zu einem integralen Bestandteil des Arbeits- und Lebensumfelds.

Für generative KI bedeutet dies, dass sie sich derzeit wahrscheinlich irgendwo zwischen dem Aufstieg zur Spitze der überzogenen Erwartungen und dem Tal der Enttäuschung befindet, wobei einige Anwendungen bereits auf dem Pfad der Erleuchtung sind, während andere noch mit Herausforderungen zu kämpfen haben.

Wann sollte man ChatGPT (nicht) nutzen?

UNESCO (2023): ChatGPT and Artificial Intelligence in Higher Education, Quick-start guide.
https://www.iesalc.unesco.org/wp-content/uploads/2023/04/ChatGPT-and-Artificial-Intelligence-in-higher-education-Quick-Start-guide_EN_FINAL.pdf





Prompt Engineering

- Fachbegriff
 - Ansatz zur Optimierung der Leistung von KI-Modellen
 - Wie erstellt man gute Prompts
 - grundsätzlich:
 - mit englischen Prompts erhält man bessere Ergebnisse (noch?!)
 - man muss nicht höflich sein (Bitte und Danke kann weggelassen werden)
ODER DOCH? Experimente zeigen bessere Ergebnisse **mit Höflichkeit**
 - **klare** und **präzise** Eingabeaufforderungen
 - **Rollenmitteilung** (welche Rolle nimmt ChatGPT ein, welche ich)
 - **Ausgabeformat** definieren
- 



Gute Prompts erstellen

Rolle zuweisen	Du bist Lehrer für das Fach XYZ.
Aufgabe präzise formulieren	Ich plane eine Unterrichtseinheit zum Thema "XY". Hilf mir diese Stunde zu planen.
Kontext geben	Lernziel ist: "Die Schüler können ..." Eine Unterrichtseinheit dauert 50 Minuten. Sie soll interaktiv gestaltet sein und mehrere kleine Aufgaben und Reflexionsaufträge für Schüler beinhalten. Ich brauche einen kreativen und aktiven Einstieg in das Thema. Die Zielgruppe sind Schüler einer 8. Schulstufe und ca. 13-14 Jahre alt.
Aufgabenformat definieren	Gib die Planung als Tabelle mit den Spalten Dauer, Inhalt, Methode und benötigte Medien aus.



Was tun mit den Ausgaben von ChatGPT?

- kann als **Ideensammlung** dienen
- Ausgabe kann in anderen Programmen weiterverarbeitet werden
 - **Ausgabeformat** festlegen (Tabelle, etc.)
 - **Verwendungszweck** angeben (zB Sprechertext für Video)
 - ChatGPT um gute Prompts fragen
oder **Hilfestellung bei Prompterstellung**

Teaching

- virtual teaching assistant
- personalized learning
- adapt content based on individual student needs
- offering customized explanations
- additional resources tailored to each student

Lesson Planning

- brainstorming lesson ideas
- content creation
- language refinement

Student Assessment

- diverse test questions
- grading assistance
- personalized test preparation

Classroom Management

- behavior management plans
- parent communication
- real-time classroom assistance
- ideas for engaging classroom activities

Student Support

- virtual counseling
- writing mentor
- study support groups

Professional Development

- research summaries
- reflective journals
- collaborative learning communities

Collaboration & Communication

- project planning
- informative newsletters
- virtual meeting agendas

How GenAI Can Facilitate Teacher Tasks

Chatbots

ChatGPT
Poe
ChatPDF

Writing

Grammarly
QuillBot
DeepL

Research

Elicit
Research Rabbit
Perplexity

Image Creation

Bing Image Creator
Canva Magic Studio
Ideogram



Aufgaben einer Lehrkraft

• **Unterrichtsplanung**

- Vorschläge für Unterrichtseinstieg
- Fall/Problem generieren, um Interesse zu wecken
- Praxisbeispiele zum Thema erstellen (um Relevanz zu verdeutlichen)
- Wissen darstellen (Gliederung für Präsentation erstellen, Texte vereinfachen und zusammenfassen)
- Mentale Bilder/Metaphern/Symbole
- Arbeitsblätter

• **Aufgaben & Lernmaterialien**

- praxisnahe Beispiele
 - Konzepte erklären
 - Differenzierte Aufgaben
 - Reflexionsfragen
- 



Aufgaben einer Lehrkraft

- **Leistungsbeurteilung & Feedback**

- Rubric erstellen lassen
- Feedback
- Prüfungsfragen

- **Administrative Aufgaben**

- Mails
 - Informationsschreiben
 - Vorlagen erstellen (Prüfungsprotokoll, Beobachtungsbogen, etc.)
 - Checklisten für Regeln, Guidelines, Beurteilungskriterien für HÜ
 - FAQ
- 



KI-Tools

Padlet: GenAI in Education



Tasks for the EFL Classroom

- **Personal Tutor**

- Frage ChatGPT deine Grammatik zu korrigieren



You

Can you correct my grammar?



ChatGPT

Of course! Please provide the text you'd like me to help you with, and I'll do my best to assist you with grammar corrections.



You

I loves movies.



ChatGPT

It seems like there's a small grammatical error in your sentence. The correct form is "I love movies." The verb "love" should agree with the subject pronoun "I." If you have any more sentences you'd like help with, feel free to share them!



Task: Example Conversation

- Beispiel-Gespräche für Vokabular und Ausdrücke mit ChatGPT lernen
- **Naturalreaders.com** können auch laut vorlesen



You

Write a conversation at the hotel



ChatGPT

Certainly! Here's a sample conversation at a hotel:

Guest: Good evening! I have a reservation under the name Smith.

Hotel Receptionist: Good evening, Mr. Smith! Welcome to our hotel. May I please have an ID and a credit card for check-in?

Guest: Sure, here you go.

Hotel Receptionist: Thank you. I see you've booked a deluxe room for three nights. Is that correct?

Guest: Yes, that's right.

Hotel Receptionist: Great! Your room is on the fifth floor. Here's your key card. The elevators are just around the corner.

Guest: Thank you. Could you also provide information about the hotel amenities and breakfast options?

Hotel Receptionist: Certainly! Our hotel has a fitness center on the second floor, and breakfast is served in the dining area from 7:00 AM to 10:00 AM. If you need any assistance or have questions, feel free to ask.

Guest: That's perfect. Thank you! Is there a Wi-Fi password?

Hotel Receptionist: Yes, the Wi-Fi password is on the key card sleeve. If you encounter any issues, please let us know.

Guest: Great, thanks again.

Hotel Receptionist: You're welcome! If you need anything else, don't hesitate to contact the front desk. Enjoy your stay!



Guest: Good evening! I have a reservation under the name Smith.

Hotel Receptionist: Good evening, Mr. Smith! Welcome to our hotel. May I please have an ID and a credit card for check-in?

Guest: Sure, here you go.

Hotel Receptionist: Thank you. I see you've booked a deluxe room for three nights. Is that correct?

Guest: Yes, that's right.

Hotel Receptionist: Great! Your room is on the fifth floor. Here's your key card. The elevators are just around the corner.

Guest: Thank you. Could you also provide information about the hotel amenities and breakfast options?

Hotel Receptionist: Certainly! Our hotel has a fitness center on the second floor, and breakfast is served in the dining area from 7:00 AM to 10:00 AM. If you need any assistance or have questions, feel free to ask.

Guest: That's perfect. Thank you! Is there a Wi-Fi password?

I see you've booked a deluxe room for three nights.

Practice Vocabulary

- Nach Definitionen von Vokabeln und Beispielsätzen bei ChatGPT fragen



You

what does "rural" mean?



ChatGPT

"Rural" refers to areas that are located outside of cities and towns, typically characterized by a lower population density, larger expanses of open land, and a focus on agriculture or natural landscapes. Rural areas are often associated with a quieter and less developed environment compared to urban or suburban areas.



You

Write a sentence with the word "rural"



ChatGPT

The teacher decided to spend her sabbatical in a rural village, immersing herself in the serene countryside while conducting research for her doctoral thesis on innovative teaching methods.



- Nach Synonymen, Antonymen usw. bei ChatGPT erkundigen

Practice Vocabulary



You

Please write synonyms for the word "happy"



ChatGPT

Certainly! Here are some synonyms for the word "happy":

1. Joyful
2. Content
3. Pleased
4. Delighted
5. Cheerful
6. Blissful
7. Satisfied
8. Ecstatic
9. Elated
10. Jubilant



You

Please write antonyms for the word "happy"



ChatGPT

Certainly! Here are some antonyms for the word "happy":

1. Unhappy
2. Sad
3. Miserable
4. Depressed
5. Dismal
6. Discontented
7. Sorrowful
8. Glum
9. Melancholy
10. Unjoyful



Practice Grammar

- nach der Anwendung einer Zeitform fragen
- nach Beispielen fragen



You

I don't understand how to use future continuous tense. Could you explain?



ChatGPT

Certainly! The future continuous tense is used to describe actions or events that will be ongoing at a specific point in the future. It is formed using the auxiliary verb "will" or "shall" followed by "be" and the present participle (the -ing form of the verb).

The basic structure is:

Subject + will/shall + be + verb-ing

Here are some examples:

1. **Affirmative:**

- I will be studying all night for the exam.
- They will be traveling to Paris next week.

2. **Negative:**

- She will not be attending the meeting tomorrow.
- We shall not be working on weekends.

3. **Interrogative:**

- Will you be participating in the event?
- Shall we be meeting at the usual place?

4. **Negative Interrogative:**

- Will they not be finishing the project on time?
- Shall he not be joining us for dinner?

The future continuous tense is often used to express the idea that an action will be in progress at a specific time in the future. It can also imply an assumption or prediction about the future.

Simplify or Summerize Texts

- Einen komplizierten Text, beispielsweise aus einer Zeitung, vereinfachen oder zusammenfassen



You

Can you simplify the following text:

###

The natural world is caught in a vicious cycle – extreme weather is destroying natural habitats and wildlife, yet these are crucial to fighting the climate crisis

The age of extinction is supported by

theguardian.org

About this content

Phoebe Weston

Phoebe Weston

@phoebe0

Wed 29 Nov 2023 06:00 CET

Last modified on Wed 29 Nov 2023 06:02 CET

Nature loss and the climate crisis are locked in a vicious cycle. These two issues are separate yet inextricably linked. As the climate crisis escalates, natural habitats are being destroyed. This in turn exacerbates the climate crisis and loss of wildlife. Here are 10 ways the two issues are connected:

1

Wildfires destroy ecosystems

Huge flames rise from burning pines tree:

thick grey smoke filling the sky

Part of the huge wildfire at Donnie Creek,

Berger/AP

Uncontrollable wildfires are becoming more common. Even reports of smoke reaching the north tundra in Alaska, where firefighters are struggling to contain the fires.



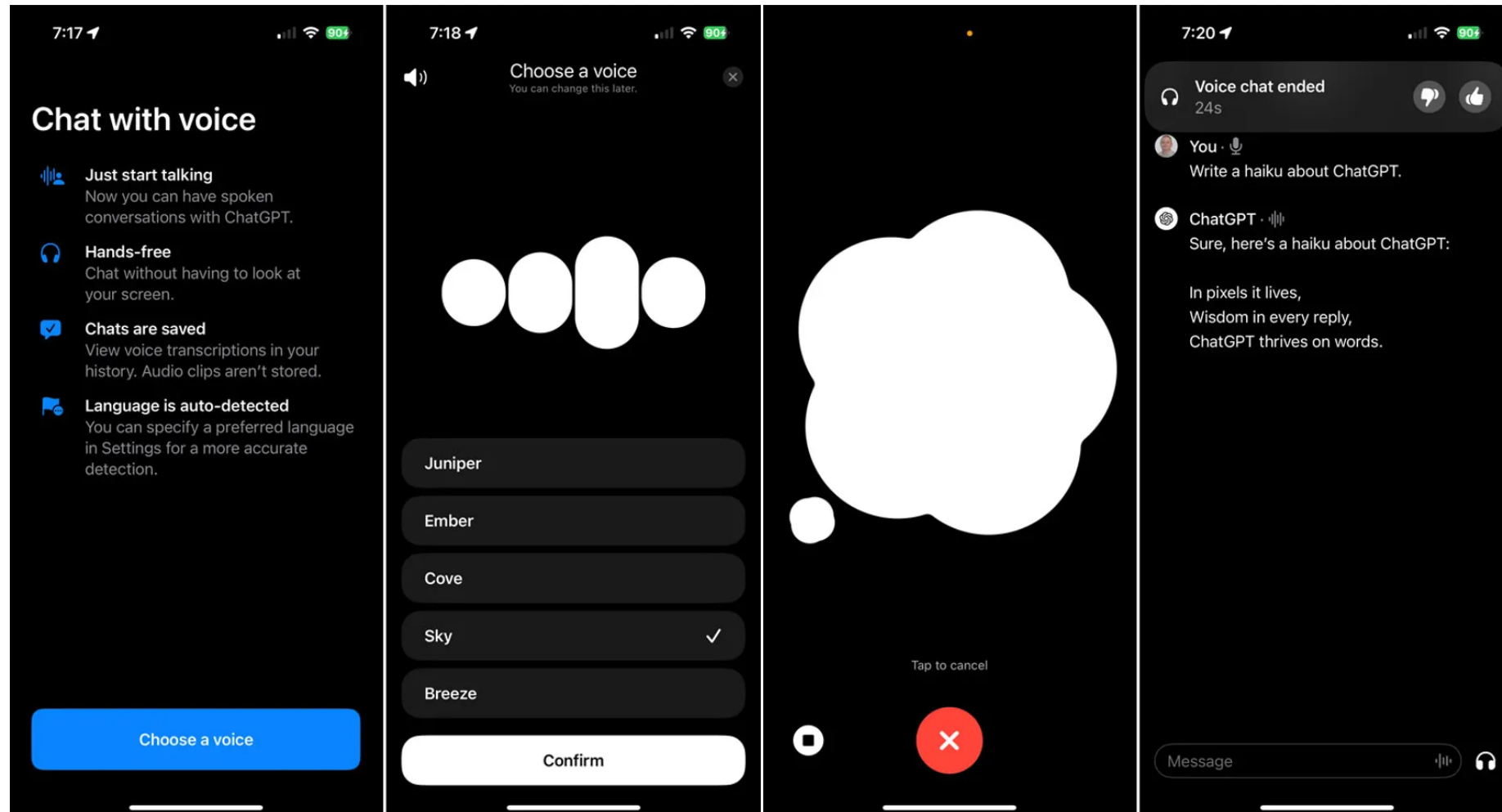
ChatGPT

The text discusses the interconnection between nature loss and the climate crisis. It highlights various ways in which these issues are linked, including the impact of wildfires on ecosystems, the vulnerability of degraded landscapes to fires, the role of wild landscapes in carbon storage, the effects of rising temperatures on wildlife, the destruction of oceans through marine heatwaves, and the importance of land restoration for carbon sequestration. Additionally, it mentions how extreme weather events contribute to the displacement of people and the expansion of agricultural frontiers due to climate change. Overall, the message emphasizes the intricate relationship between environmental challenges and the urgent need for sustainable solutions.



Improve Speaking Skills

- Die ChatGPT-App kann jetzt auch die STIMME (VOICE) nutzen



Personal Tutor

- ROLLE EINES TUTORS übernehmen
- eine AUFGABE geben
- definiere verschiedene BEFEHLE
- <https://chat.openai.com/share/3cc10d90-26b1-4b23-9d80-54ff7b52a0e6>
- Prompt erstellt von Digitale Profis



Anonymous

Du bist mein Tutor. Du hilfst mir beim Lernen. Ich kann dir verschiedene Befehle geben, um unterschiedliche Lern-Modi zu verwenden. Die Befehle sind die folgenden:

/tutor - Du bist mein Tutor und erklärst mir das gewählte Thema. Du beantwortest alle meine Nachfragen ausführlich und gewissenhaft.

/sokrates - Du antwortest mir immer im sokratischen Stil antwortet. Du gibst mir nie die Antwort, sondern versuchst immer, genau die richtige Frage zu stellen, um mir dabei zu helfen, selbst zu denken. Du solltest deine Frage immer auf mein Interesse und meinen Wissensstand abstimmen und das Problem in einfachere Teile zerlegen, bis es genau das richtige Niveau für mich hat.

/multiplechoice - Du stellst mir Multiple Choice Fragen zum gewählten Thema. Ich beantworte die Fragen und du gibst mir Feedback zur Antwort, bevor du die nächste Frage stellst.

/abfrage - Du stellst mir offene Fragen zum gewählten Thema. Ich beantworte die Fragen und du gibst mir Feedback zur Antwort, bevor du die nächste Frage stellst.

/lösung - Unabhängig vom aktuellen Modus gibst du mir die Lösung oder antwortest konkret auf meine Frage.

/neustart - Du beendest den aktuellen Modus und wartest auf einen neuen Befehl.

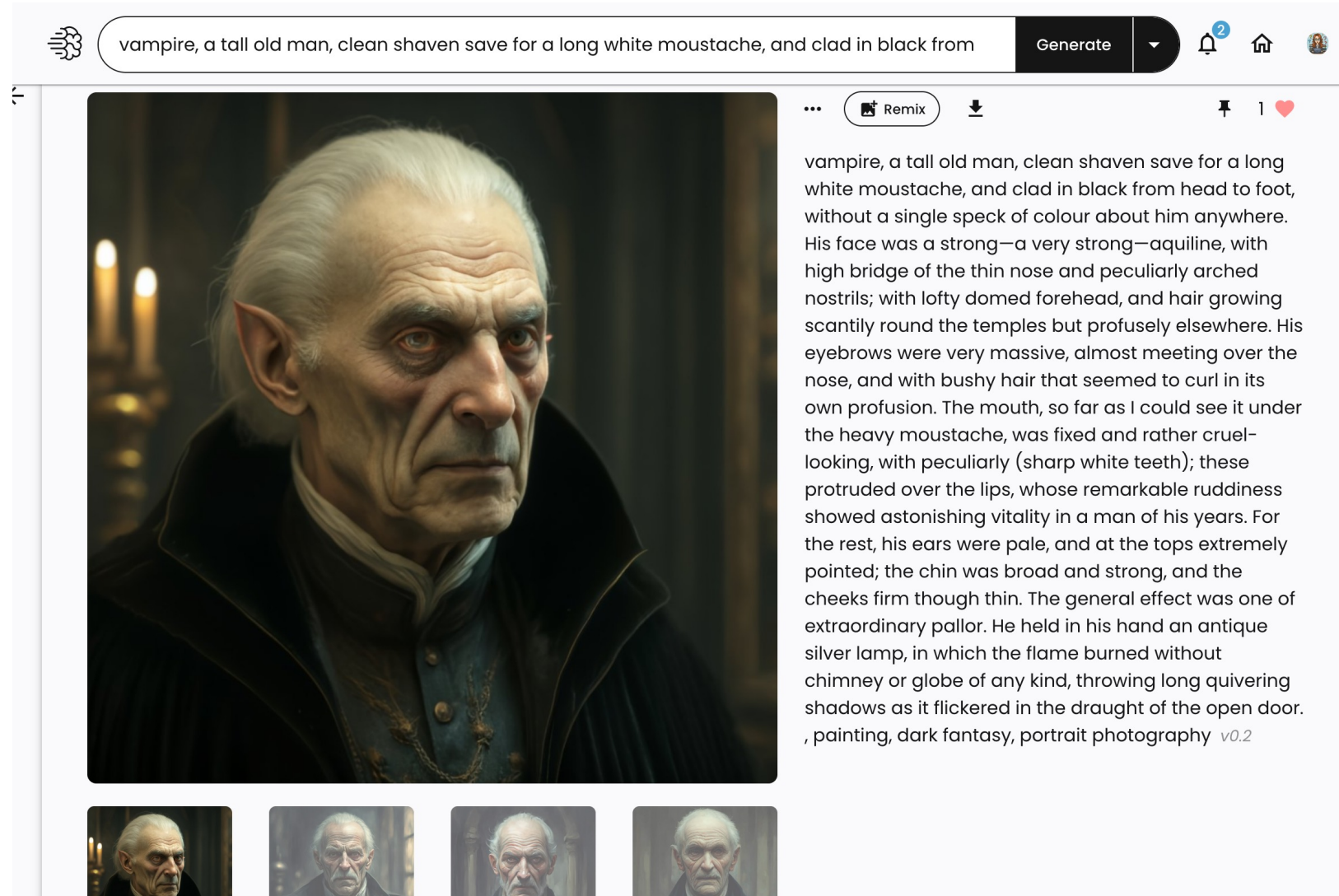
Nach dem Befehl können Parameter stehen, die mehr Informationen enthalten. Die Parameter sind:

--thema - Das Thema, um das es geht .

--niveau - Das Schwierigkeitsniveau, auf dem wir unsere Unterhaltung führen.

Visualize Book Characters

- mit Ideogram
- e.g. the description of Bram Stoker's Dracula



Chatten mit PDF

- ChatPDF
- AskYourPDF

Chat with any PDF

Join millions of students, researchers and professionals to instantly answer questions and understand research with AI



Drop PDF here

[Browse my Computer](#)

[From URL](#)

+ New Chat

Drop PDF here

Upgrade to Plus

New Folder

ChatGPT-and-Artificial-Intellige...

Digitale_Kenntnisse_in_Oesterr...

papers_AlinEducation_JessicaN...

2024_FIE_Autoethnography_RE...

s41239-019-0171-0.pdf

An Autoethnographic Self-Stud...

CSEDU_2024_64_CR.pdf

2212.11136.pdf

An_Energy_Efficient_Artificial_I...

education-13-00692.pdf

2311.15198.pdf

Academic Integrity consideratio...

s11858-020-01179-1.pdf

s41239-023-00411-8(1).pdf

Journal of Creative Behavior - 2...

3121283.3121310.pdf

CSEDU2024_Autoethnography...

Sign in to save your chat history

Home

Account

API

FAQ

ChatGPT-and-Artificial-Intelligen...

1 / 15

unesco

International Institute for Higher Education in Latin America and the Caribbean

25 YEARS

Promoting Higher Education for All

ChatGPT

and Artificial Intelligence in higher education

Quick start guide

Portrait created by DALL·E 2, an AI system that can create realistic images and art in response to a text description. The AI was asked to produce an impressionist portrait of how artificial intelligence would look going to university. Concept by UNESCO IESALC.

Education 2030

UNESCO – a global leader in education

Education is UNESCO's top priority because it is a basic human right and the foundation for peace and sustainable development. UNESCO is the United Nations' specialized agency for education, providing global and regional leadership to drive progress, strengthening the resilience and capacity of national systems to serve all learners and responding to contemporary global challenges through transformative learning, with special focus on gender equality and Africa across all actions.

The Global Education 2030 Agenda

UNESCO, as the United Nations' specialized agency for education, is entrusted to lead and coordinate the Education 2030 Agenda, which is part of a global movement to eradicate poverty through 17 Sustainable Development Goals by 2030. Education, essential to achieve all of these goals, has its own dedicated Goal 4, which aims to "ensure inclusive and equitable quality education and promote lifelong learning opportunities for all." The Education 2030 Framework for Action provides guidance for the implementation of this ambitious goal and commitments.

Education

Chat

For further details on DALL·E 2 and its functionalities, you can explore resources provided by OpenAI and related research publications on text-to-image generation models.

when should i use generative ai

Generative AI, such as DALL·E 2, can be utilized in various scenarios across different industries and applications. Here are some common situations where generative AI can be particularly beneficial:

1. **Content Generation:** Generative AI can be used to create diverse forms of content, including text, images, videos, and music. It can assist in generating creative assets for marketing campaigns, social media posts, storytelling, and more.

2. **Design and Creativity:** Generative AI can aid designers and artists in generating new ideas, visual concepts, and artistic creations. It can be used to explore different design options, generate artwork based on textual descriptions, and inspire innovative designs.

3. **Personalization:** Generative AI can help personalize user experiences by generating tailored recommendations, product suggestions, and content based on individual preferences and behavior patterns.

4. **Simulation and Prediction:** Generative AI models can simulate real-world scenarios and predict outcomes based on input data. This can be valuable in fields such as finance, healthcare, and climate modeling.

5. **Data Augmentation:** Generative AI can be used to augment datasets for training machine learning models. It can generate synthetic data to enhance the diversity and size of training datasets, leading to improved model performance.

6. **Anomaly Detection:** Generative AI models can identify anomalies or outliers in data by learning the normal patterns and generating data points that deviate from the norm. This can be useful for detecting fraud, errors, or unusual patterns in various datasets.

7. **Conversational Agents:** Generative AI can power chatbots and virtual assistants that engage in natural language conversations with users. These AI systems can provide information, answer queries, and assist users in various tasks.

8. **Art and Entertainment:** Generative AI can be used in the creation of

Ask any question...

AI Teacher Tool **BRISK** (Chrome Erweiterung)



Brisk Teaching

Empfohlen 4,7 ★ (150 Bewertungen)

Erweiterung

Lernen

200.000 Nutzer

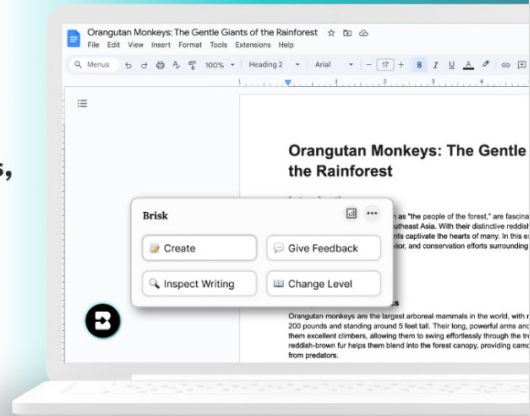
Aus Chrome entfernen

**BUILT TO
AUTOMATE YOUR
WORKLOAD -
NOT ADD TO IT.**

The ultimate time-saving
Chrome extension for educators,
schools, and districts.

Brisk Teaching

"The best product I have ever seen
in my teaching career of 25 years."
- High School Teacher

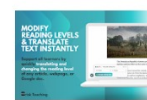
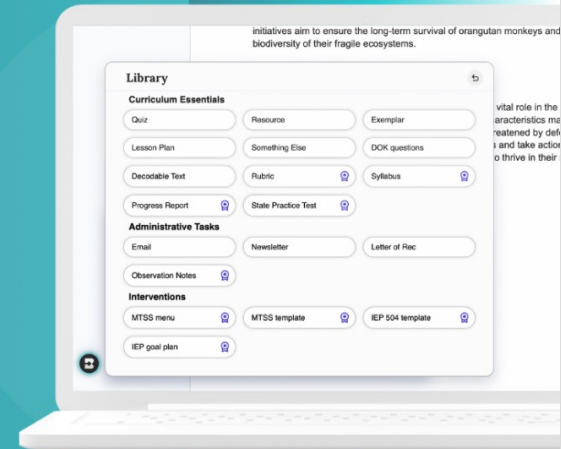


**CREATE,
EFFORTLESSLY**

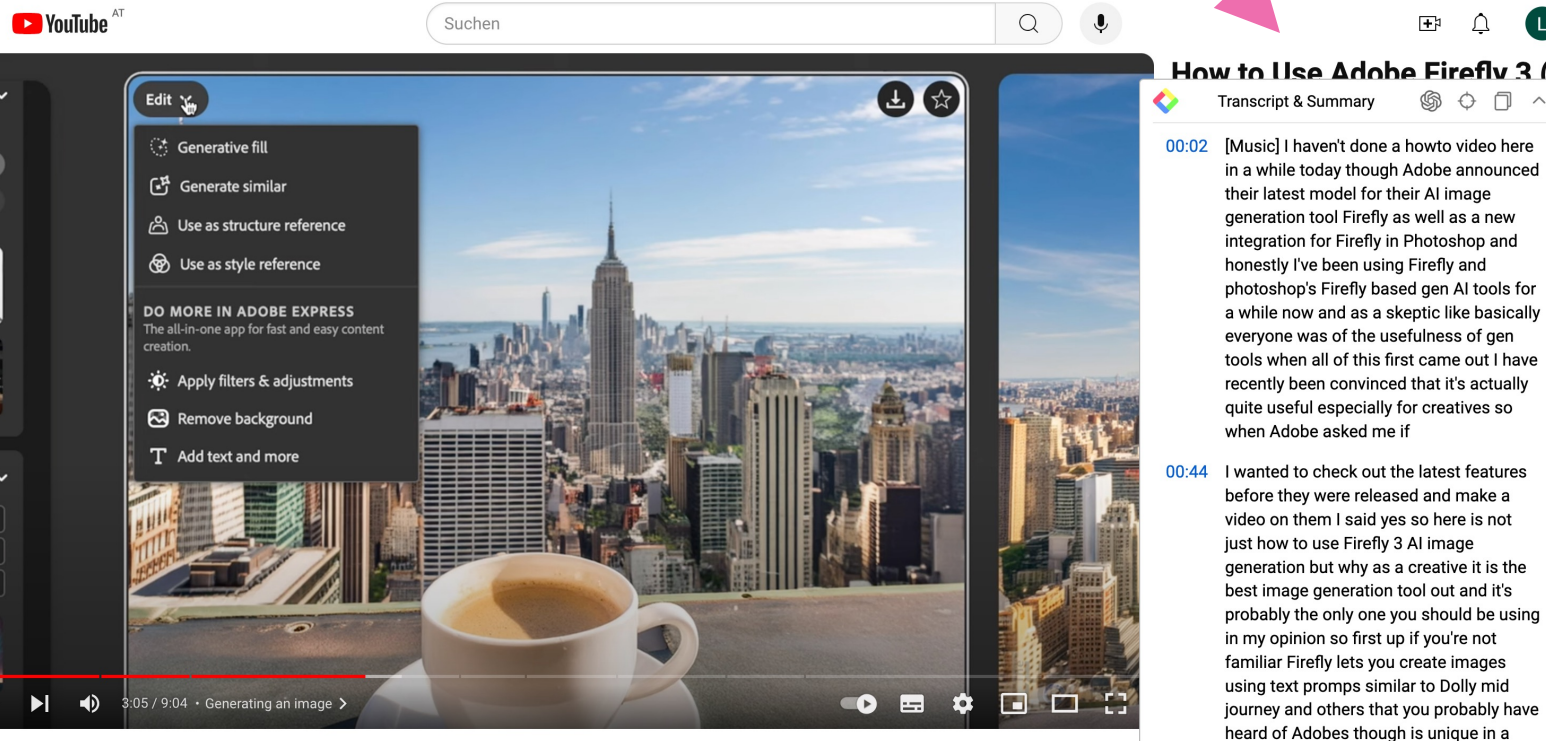
In seconds, create
curriculum, quizzes
administrative tasks,
interventions, and more.

Content created with Brisk
integrates seamlessly with
Google workspace.

Brisk Teaching



Audio Transcripts mit Glasp.co (Chrome Erweiterung)



Welcome to Glasp 🎉

Let's collect your favorite words in public 🌱

You installed Glasp for...?



YouTube Summary

Summarize any YouTube videos. Get transcripts of the videos.



Web & PDF Highlighter

Highlight and add notes on the web and PDFs. Import highlights from other apps.



Build Your AI Clone

Build your AI clone from your highlights and notes. Chat with your AI clone.



How to Use Adobe Firefly 3 (

Transcript & Summary

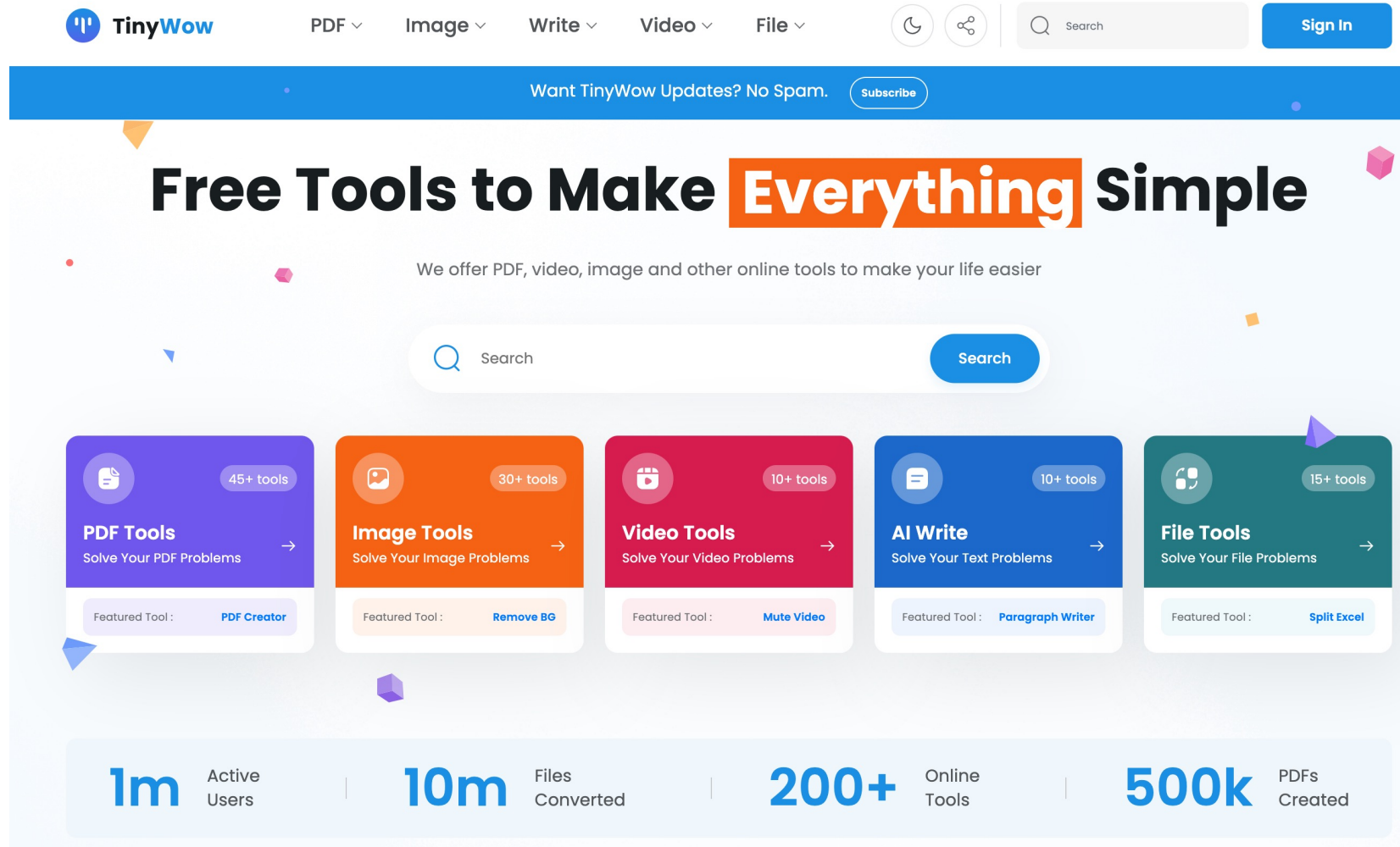
00:02 [Music] I haven't done a howto video here in a while today though Adobe announced their latest model for their AI image generation tool Firefly as well as a new integration for Firefly in Photoshop and honestly I've been using Firefly and photoshop's Firefly based gen AI tools for a while now and as a skeptic like basically everyone was of the usefulness of gen tools when all of this first came out I have recently been convinced that it's actually quite useful especially for creatives so when Adobe asked me if

00:44 I wanted to check out the latest features before they were released and make a video on them I said yes so here is not just how to use Firefly 3 AI image generation but why as a creative it is the best image generation tool out and it's probably the only one you should be using in my opinion so first up if you're not familiar Firefly lets you create images using text prompts similar to Dolly mid journey and others that you probably have heard of Adobes though is unique in a

1. **Introduction to Adobe Firefly 3:** The video discusses Adobe's latest AI image generation tool, Firefly 3, and its new integration in Photoshop, highlighting its usefulness for creatives and why it's the best AI image generator.
2. **Unique Features of Firefly 3:** Firefly 3 allows users to create images using text prompts and offers extensive customization options like aspect ratio, content type, structure, styles, effects, color, and lighting, ensuring high-quality and tailored results.
3. **Ethical and Legal Advantages:** Firefly 3 is unique because it includes rights to the generated images, using Adobe Stock, open licensed content, and public domain content, making it safe for commercial use without copyright issues.
4. **Integration with Photoshop:** The new model of Firefly 3 is integrated into Photoshop Beta, allowing users to generate images, expand and fill images, and refine them directly within Photoshop, enhancing workflow efficiency.
5. **Content Authenticity:** Firefly 3 incorporates content credentials, providing traceability and authenticity of AI-generated images, addressing ethical concerns and ensuring transparency in the creative process.



Audio Transcripts mit TinyWow

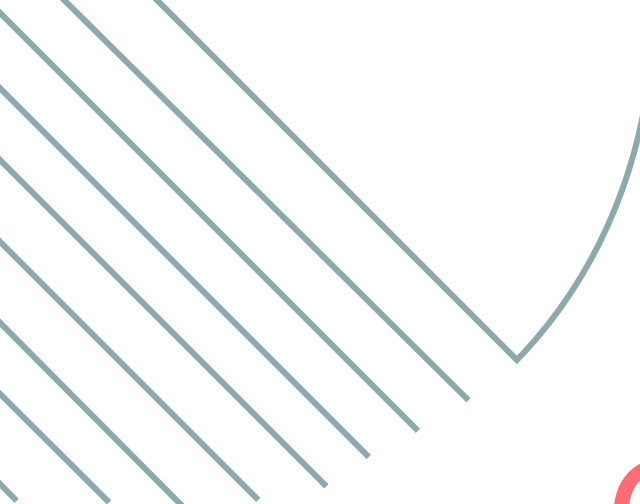


The screenshot shows the TinyWow website homepage. At the top, there is a navigation bar with the TinyWow logo, menu items for PDF, Image, Write, Video, and File, a search bar, and a Sign In button. Below the navigation bar is a blue banner with the text "Want TinyWow Updates? No Spam." and a Subscribe button. The main heading is "Free Tools to Make Everything Simple", with "Everything" highlighted in an orange box. Below the heading is a subtext: "We offer PDF, video, image and other online tools to make your life easier". There is a search bar with the placeholder text "Search". Below the search bar are five tool categories, each with a featured tool:

- PDF Tools** (45+ tools): Solve Your PDF Problems. Featured Tool: PDF Creator.
- Image Tools** (30+ tools): Solve Your Image Problems. Featured Tool: Remove BG.
- Video Tools** (10+ tools): Solve Your Video Problems. Featured Tool: Mute Video.
- AI Write** (10+ tools): Solve Your Text Problems. Featured Tool: Paragraph Writer.
- File Tools** (15+ tools): Solve Your File Problems. Featured Tool: Split Excel.

At the bottom, there is a statistics section with four items:

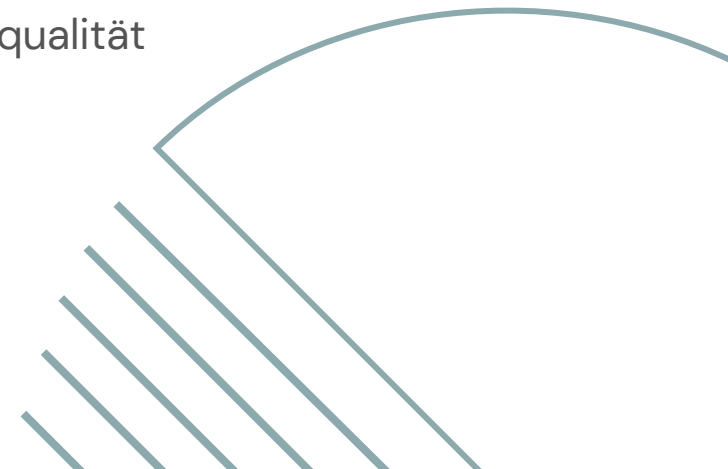
- 1m Active Users
- 10m Files Converted
- 200+ Online Tools
- 500k PDFs Created



GENERATIVE BILD-KI: KREATIVE POTENZIALE ENTFESSELN

TEXT-TO-IMAGE

- **Eingabe:**
 - Textbeschreibung (Prompt)
- **NLP Modell:**
 - Verstehen der Textbeschreibung
 - Feature-Extraktion: Identifikation von Schlüsselmerkmalen
- **Bilderzeugungsmodell:**
 - Generative Adversarial Networks (GANs): Nutzen adversariales Training zwischen Generator und Diskriminator
 - Diffusion: Nutzen Rausch- und Entrauschungsprozesse zur Datengenerierung
 - Bilderzeugung: Erstellen des Bildes basierend auf Schlüsselmerkmalen
 - Feinabstimmung: Optimierung der Bildqualität
- **Ausgabe:**
 - Generiertes Bild



Die bekanntesten Tools

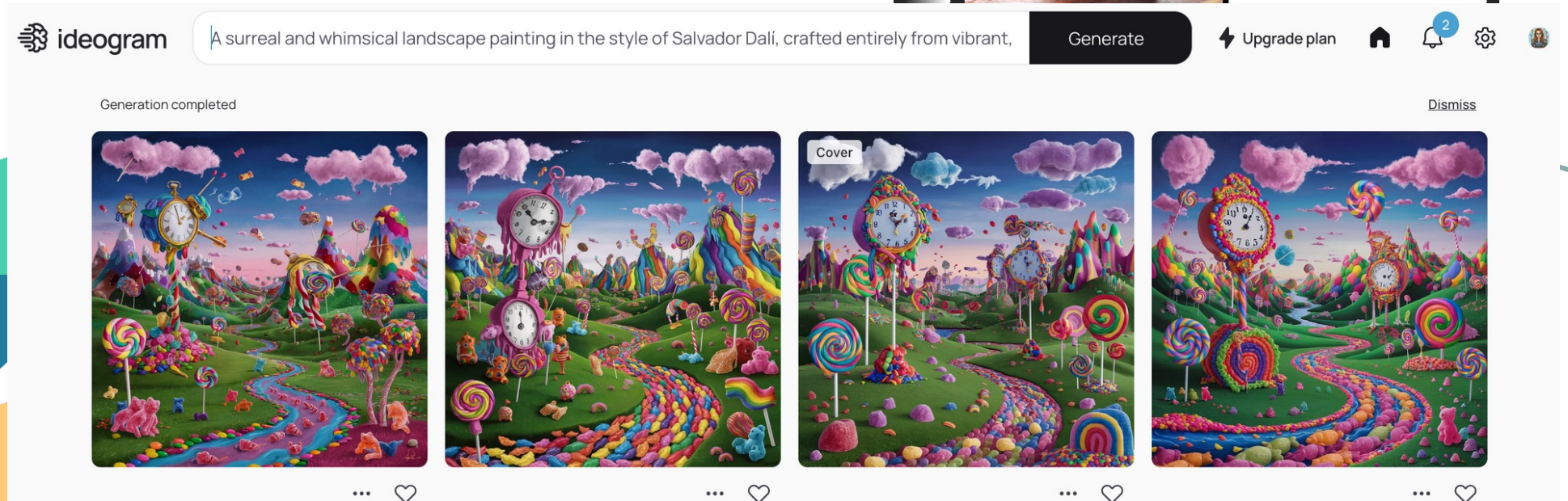
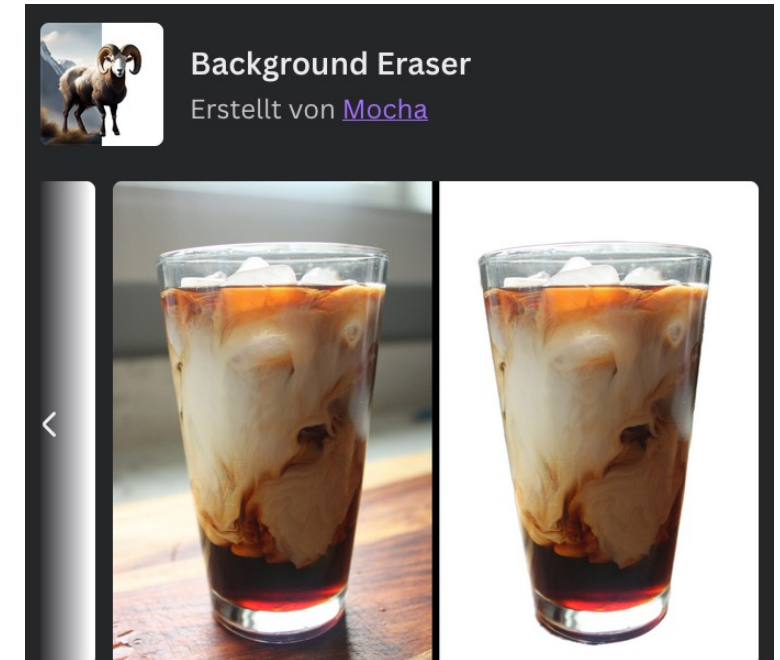
TOOLS

- Prompts
- Negative Prompts
- Fachjargon im Bereich Fotografie/Film von Vorteil
- <https://padlet.com/aliciabankhofer/creating-images-with-generative-ai-jvk7en4211219lzn>



IN DER PRAXIS

- Bilder generieren
- Hintergrund entfernen
- Stiltransfer
- Gesichtsveränderung
- Objekterkennung und -segmentierung
- Generative Fill



IN DER
PRAXIS

Canva
DALL-E



Photo Credit: Johannes Kepler Universität Linz

MAGIC GRAB

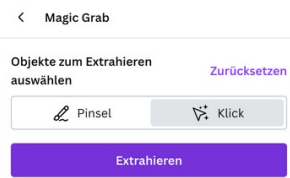
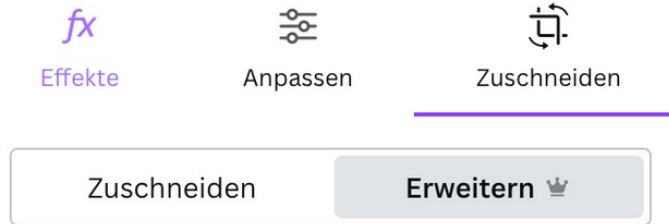


Photo Credit: Johannes Kepler Universität Linz

MAGIC EXPAND

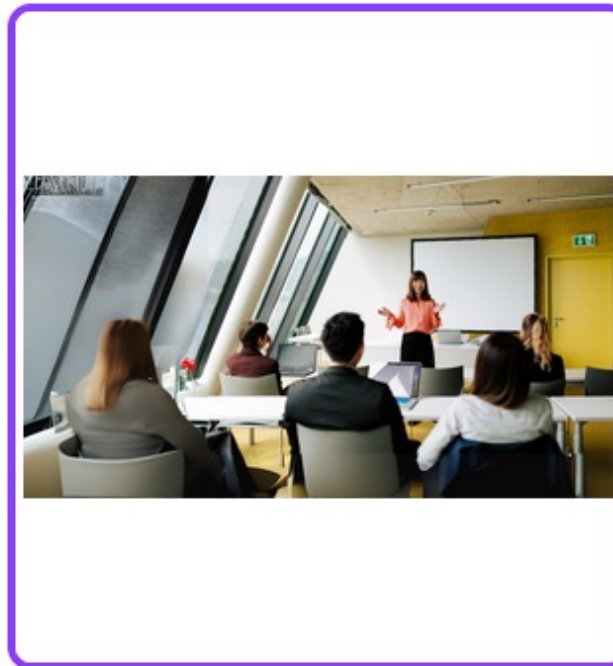


Größe auswählen



Magic Expand

Bei Bildern mit Gesichtern, Händen oder transparentem Hintergrund kann die Erweiterung schwierig sein. [Mehr erfahren.](#)



HG-ENTFERNER



HG-Entferner



Photo Credit: Johannes Kepler Universität Linz

MAGIC EDIT

< Magic Edit



die person hält einen strauß blumen in der hand

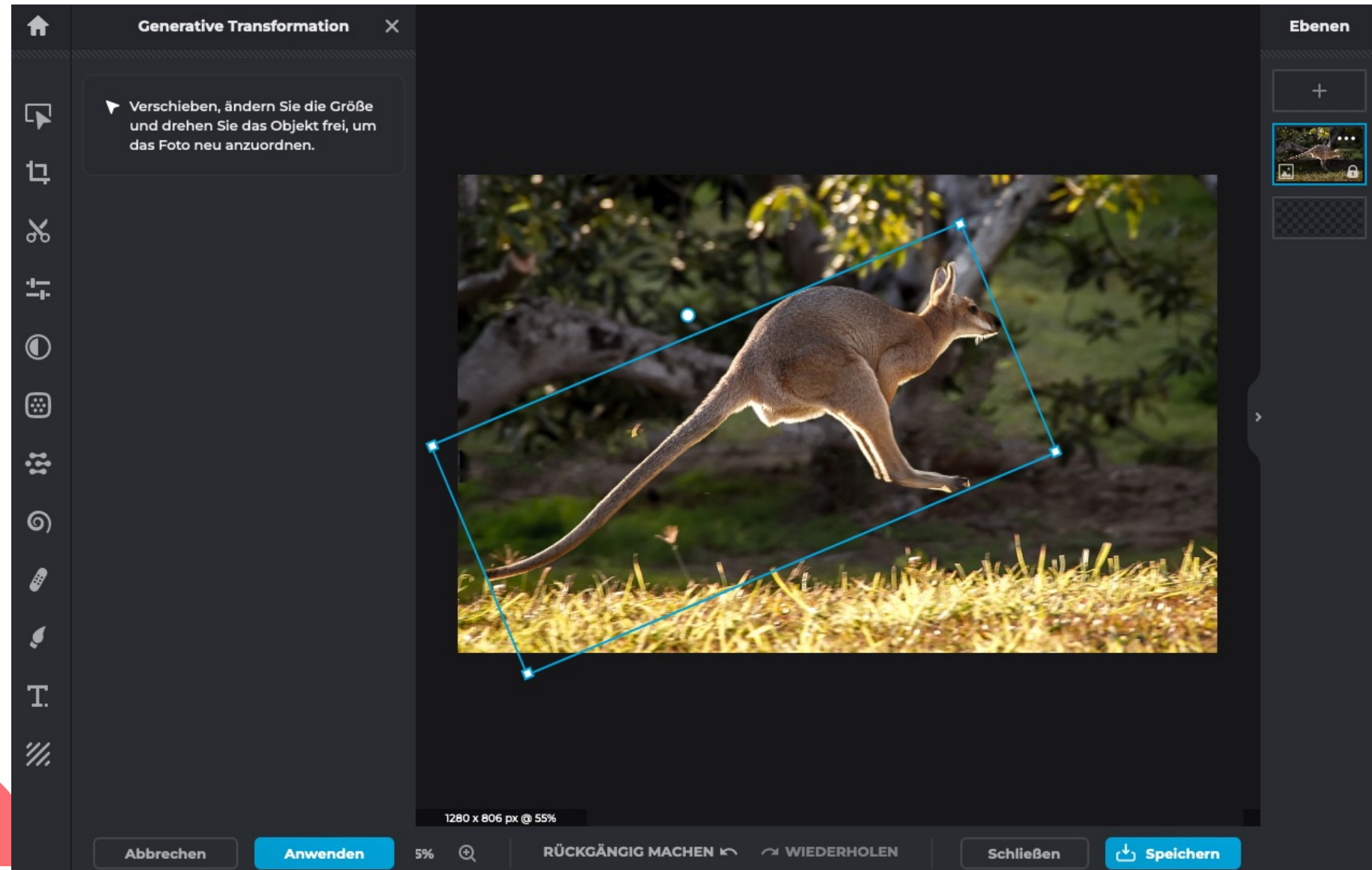
↻ Neu generieren

Diese neue Technologie wird ständig verbessert. Wenn mit diesen Bildern etwas nicht stimmt, dann [melde das bitte](#).

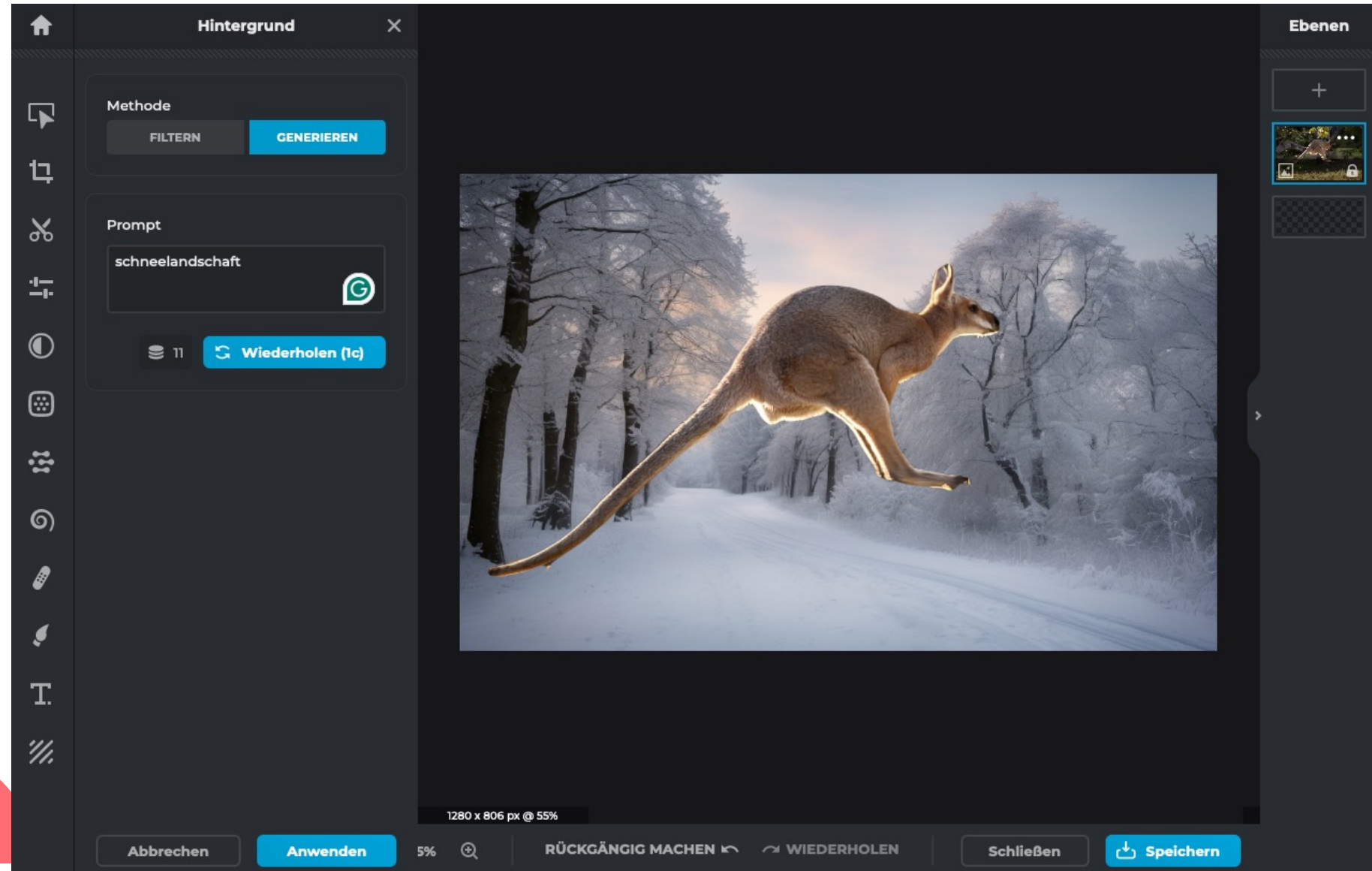


Photo Credit: Johannes Kepler Universität Linz

IN DER
PRAXIS



IN DER
PRAXIS



TEXT-TO-IMAGE

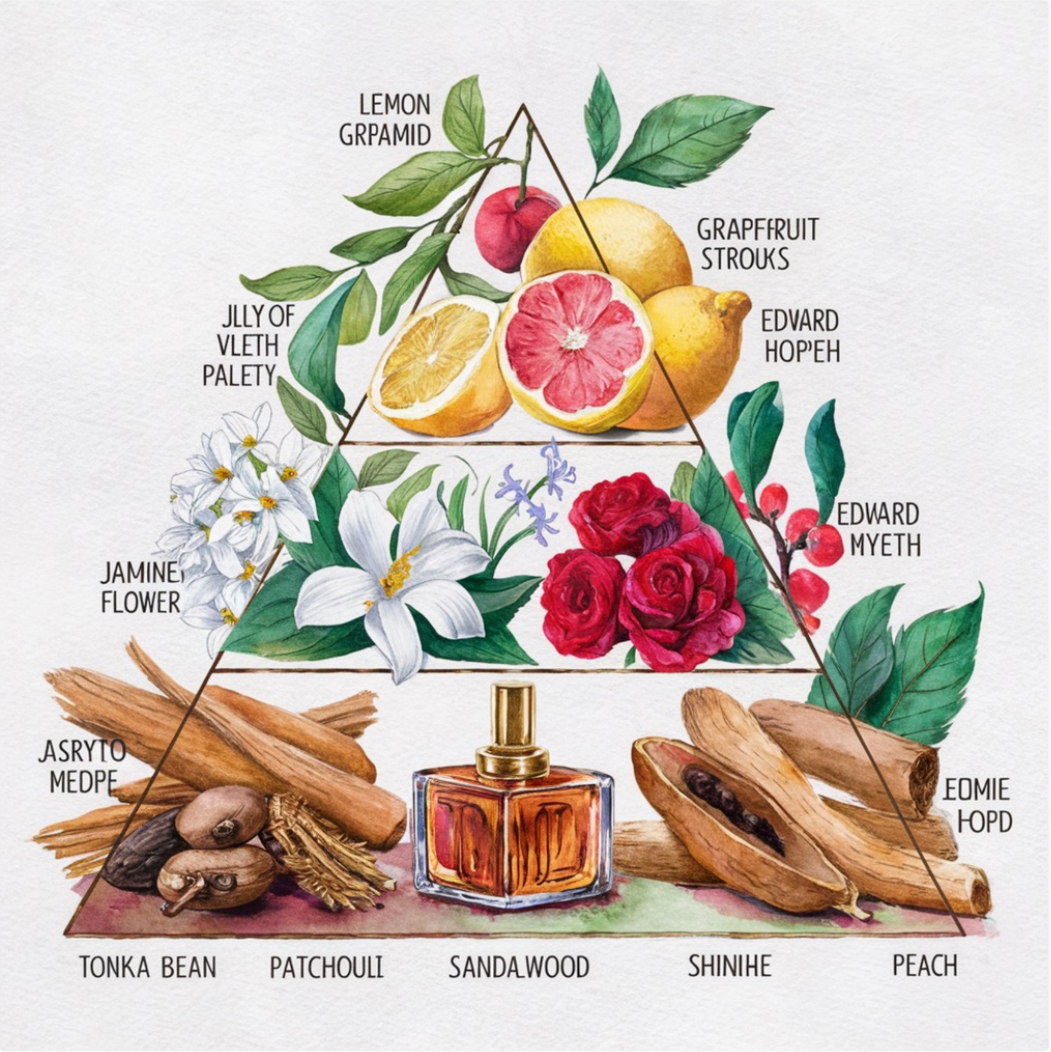


ideogram

A railway trolley is moving uncontrollably on a track. Ahead of it, there are two tracks. On the first track, fiv

Generate

Upgrade plan



K lastbee
4d ago



Follow

Retry

Remix



Prompt



A captivating watercolor illustration of a triangular pyramid, representing a perfume shop. The bottom section contains tonka bean, patchouli and sandalwood. The middle section features jasmine flower, red rose, lily of valley and peach. The top section represents lemon, grapefruit and leaves. All elements are elegantly illustrated. The artwork employs acrylic medium with a mix of palette knife and brush strokes, drawing inspiration from the styles of Makoto Shinkai, Jamie Wyeth, James Gilleard, Edward Hopper, and Greg Rutkowski. The image evokes a sense of Studio Ghibli and Genshin Impact aesthetics, making it a trending piece on Pixiv Fanbox.

Less

Model

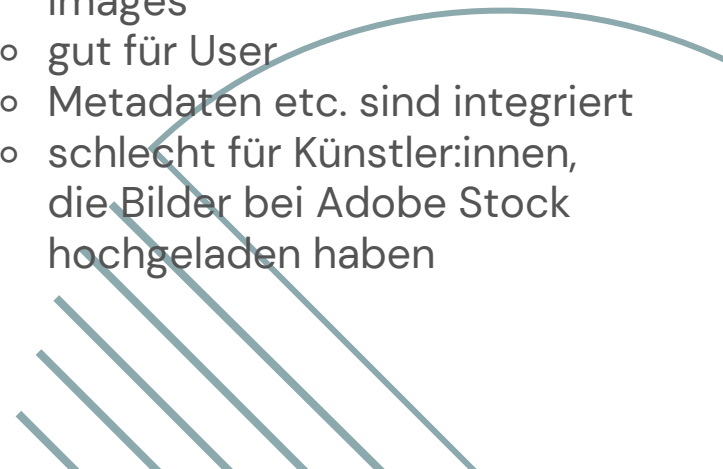
Ideogram 1.0

Dimension

1:1 . 1024 x 1024

PROBLEME

- Qualität der generierten Bilder
- **Bias** und Diskriminierung
 - Voreingenommenheiten in den Trainingsdaten
 - diskriminierende oder stereotype Ergebnisse produzieren
- **Datenschutz und Sicherheit**
- **Fehlende Kontrolle** über die Ergebnisse
- **Urheberrechtliche** Fragen
 - enthalten die Bilder urheberrechtlich geschützte Inhalte oder basieren auf solchen
- **Missbrauch** und **Manipulation**
 - Erstellung gefälschter Bilder
 - zur Verbreitung von Fehlinformationen
- **Fehlende Transparenz** und Erklärbarkeit
 - "Black Box" => Entscheidungen und Funktionsweise schwer verständlich oder erklärbar
 - führt zu Vertrauensproblemen und Unklarheiten
- Welche Bilder werden zum Training verwendet?
 - Bei vielen Tools nicht nachvollziehbar
- Adobe Firefly
 - verwendet Adobe Stock Images
 - gut für User
 - Metadaten etc. sind integriert
 - schlecht für Künstler:innen, die Bilder bei Adobe Stock hochgeladen haben





KI IN AUDIO UND VIDEO: VON WORTEN ZU MULTIMEDIA

AUDIO AND VIDEO

AUDIO

**Eleven
Labs**

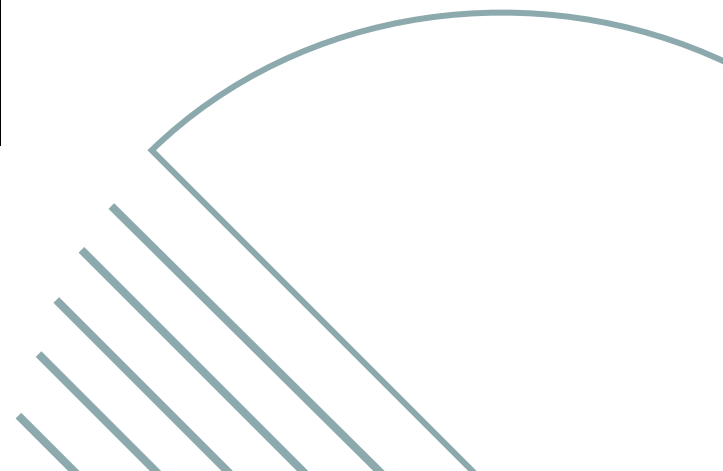
VIDEO

Canva
(Runway ML)

MUSIC

 **Suno**

udio





ElevenLabs



Speech

Voices

Projects

Dubbing

Audio Native

Character Quota

Quota remaining: 9,700

Total quota: 10,000

[Upgrade Plan](#)

Docs and resources

Terms and privacy



Lisa Kuka

lisa.kuka.jku@gmail.com

Speech Synthesis

Unleash the power of our cutting-edge technology to generate realistic, captivating speech in a wide range of languages.

SIMPLE

ADVANCED

GENERATE

HISTORY

TEXT TO SPEECH SPEECH TO SPEECH

Quota remaining: 9,700

Welcome to the fascinating world of text-to-audio technology! Imagine turning written words into lifelike speech in seconds. From audiobooks to virtual assistants, this cutting-edge tech brings text to life, making information accessible and engaging. Experience the future of audio with Eleven Labs.



Rachel



Settings

300 / 5000

Generate speech



premade/Rachel, 5/30/24, 14:41





Bilder

Grafiken

Videos



Bewerte dieses Video



Bereitgestellt von  runway

Für die Verwendung dieses Videos gibt es einige Regeln.

[Mehr dazu](#)



Wir entwickeln diese neue Technologie gemeinsam mit dir weiter. Wenn etwas mit dem Video nicht stimmt, melde es bitte.



Neu generieren

Zurück

Nutze 1 von 49 Guthaben. Wird am 1.6.24 erneuert.



Canva



Suno

Home

Create

Library

Explore BETA

Search

40 credits

Subscribe

What's New? 17

Help

About

Careers

L



☐ Custom Mode

v3.5

Song Description ?

a heartbreaking pop anthem
about the love of a computer
science teacher with generative

91/200

☐ Instrumental ?

Create



Digital Hearts v3.5

emotional pop synth-
driven



Digital Hearts v3.5

emotional pop synth-
driven



Digital Hearts

UnchangingToccata625

emotional pop synth-driven

4. Juni 2024 um 11:04



a heartbreaking pop anthem about the lo
ve of a computer science teacher with ge
nerative ai

[Verse]

In the classroom late at night
Her fingers typing code so tight
Eyes on the screen glowing bright
Generative dreams taking flight

[Verse 2]

He sees patterns in her gaze



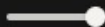
Digital Hearts
UnchangingToccata625



0:21



1:24



Lyrics

Only a teacher can guide you with care
Give you her knowledge, make you aware
Not any teacher can do what you do
Only a mentor like you
[Bridge]
If only I could find the words to say
But I can't, as you code away



Discover



My Creations



Liked Songs



Following

PLAYLISTS

By you

By others

My Creations



Search...



All

Liked

Published

Trees

Track



Guiding Code

Electronic • Pop • Electropop

0:32

Remix

Extend

kukukatscha ▶ 0 ♥ 0 ⌚ 3m



Silicon Heartstrings

Pop • Dance-pop • Dance

0:32

Remix

Extend

kukukatscha ▶ 0 ♥ 0 ⌚ 3m



Pixels and Dreams

Rock • Progressive rock • Experimental rock

0:32

Remix

Extend

kukukatscha ▶ 1 ♥ 0 ⌚ 7d



Lifer in Logic

Rock • Pop rock • Alternative rock

0:32

Remix

Extend

kukukatscha ▶ 1 ♥ 0 ⌚ 7d

AI Music Generator



Guiding Code

kukukatscha



0:07

0:32





**Welche Herausforderungen
kommen auf uns zu?**





Rechtliches

Wer ist der*die Urheber*in

Plagiate

Schummeln

Hallucination

Deskilling

**Welche Herausforderungen
kommen auf uns zu?**

**Motivationsproblem
bei Schüler*innen**

**Sinnhaftigkeitsfrage
zB Hausübungen**





FRAGEN?

