

- openHPI: ChatGPT: Was bedeutet generative KI für unsere Gesellschaft? -

Open-Source Alternativen

Johannes Hötter
Christian Warmuth

Sensitivität von Daten



Sam Altman ✓
@sama

...

We of course defer to the Italian government and have ceased offering ChatGPT in Italy (though we think we are following all privacy laws).

Italy is one of my favorite countries and I look forward to visiting again soon!



Sam Altman ✓ @sama · Mar 22

...

we had a significant issue in ChatGPT due to a bug in an open source library, for which a fix has now been released and we have just finished validating.

a small percentage of users were able to see the titles of other users' conversation history.

we feel awful about this.

💬 664 ↺ 1,284 ❤️ 7,682 📊 3.2M ⬆



Sam Altman ✓ @sama · Mar 22

...

unfortunately, users will not be able to access their chat history from monday 1 am PDT until monday 10 am PDT.

we will follow up with a technical postmortem.

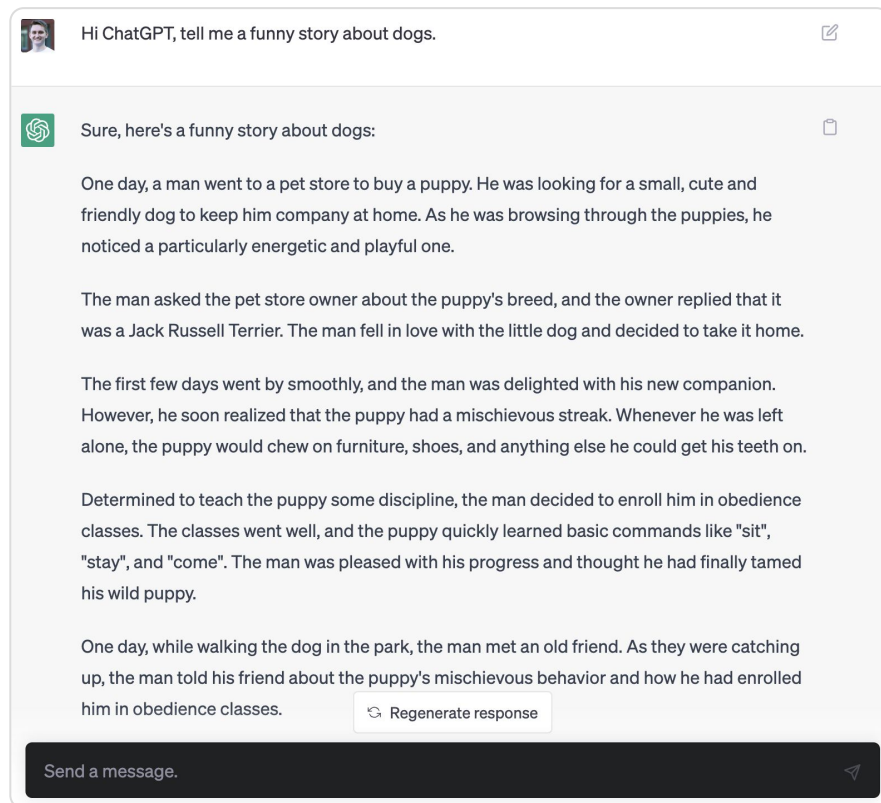
💬 87 ↺ 79 ❤️ 1,734 📊 394K ⬆

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Sensitivität von Daten



In Ordnung, da
keinerlei sensitive
Daten (z.B. PII)

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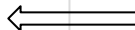
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Sensitivität von Daten: PII-Daten (Personenbezogen)



We have an employee Max Mustermann (30 years old) who has lost both his legs in an accident. He lives in Musterstraße 123 in Musterstadt, Germany.

Write him an email expressing our condolences.



Disclaimer: in diesem
Beispiel wurden natürlich
fiktive Daten verwendet!



Subject: Our Deepest Condolences



Dear Max Mustermann,

We were deeply saddened to learn of the tragic accident that resulted in the loss of both your legs. Losing such an important part of your body must be a difficult and challenging experience, and our hearts go out to you during this trying time.

We can only imagine the physical and emotional toll this must have taken on you, and we want you to know that you have our deepest condolences. As your employer, we are committed to supporting you in any way we can to ensure that you can continue to lead a fulfilling life.

We understand that this must be a challenging time for you and your loved ones, but we want you to know that we are here for you. Please do not hesitate to reach out to us if there is anything we can do to help.

We hope that you will find the strength to overcome this difficult period and that you will be able to find peace and comfort among those around you.

Regenerate response

**Absolut nicht in
Ordnung!!!**

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Sensitivität von Daten: Intellectual Property



We have made an incredible invention, which is internal intellectual property. It's a GPU that runs without and power. Here's how it works: Artificial Intelligence. Make a bullet point list for a power point, so I can impress my team.



Sure, here's a bullet-point list for your power point presentation on the GPU that runs without power:

1. Introduction

- Briefly introduce the GPU and its traditional power requirements.
- Introduce the new invention: a GPU that runs without power.

2. How it Works

- Explain the role of artificial intelligence in the new GPU.
- Describe the underlying technology, such as nanotechnology, that enables this innovation.
- Explain how the GPU is able to operate without any external power source.

3. Benefits and Applications

- Describe the potential benefits of the new GPU, such as increased energy efficiency and reduced environmental impact.
- Explain the potential applications for this technology, such as in mobile devices or Internet of Things (IoT) devices.

4. Technical Details

- Provide more technical details such as its processing power, memory capacity, and compatibility with different systems.

 Regenerate response

**Absolut nicht in
Ordnung!!!**

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Folie 5

Sensitivität von Daten: Confidential Data



We have received a term sheet for a new funding of 10 trillion US Dollar. Dagobert Duck is leading the round. It is highly confidential, still. He mentioned that we need to give 50% of the company - what do you think?



As an AI language model, I cannot provide a specific answer or opinion on whether or not you should accept the term sheet offered by Dagobert Duck. However, I can offer some general advice to help you make an informed decision.



Firstly, it is important to understand the terms and conditions of the term sheet thoroughly. You should carefully review the document and seek legal advice to ensure that you fully understand the implications of accepting the offer, particularly with respect to the percentage of the company being offered in exchange for the funding.

It is also worth considering the reputation and track record of Dagobert Duck, as well as any potential synergies or benefits that may come from partnering with him. Additionally, you should assess your own company's financial needs and growth prospects, and evaluate whether the terms of the offer align with your long-term business goals.

Ultimately, the decision of whether or not to accept the term sheet will depend on a variety of factors unique to your company and its circumstances. It is important to approach this decision carefully and thoughtfully, and to seek advice from trusted advisors and experts as needed.

 Regenerate response

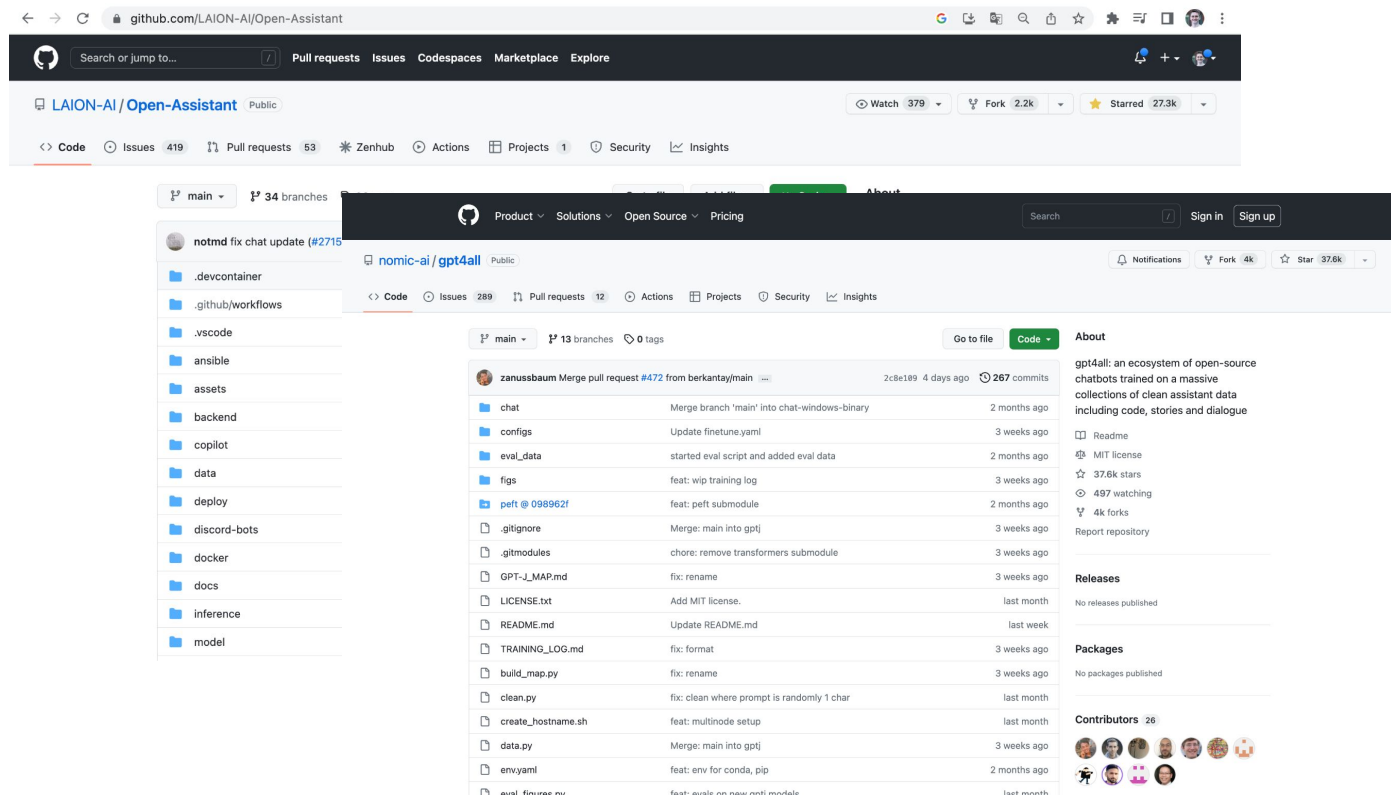
**Absolut nicht in
Ordnung!!!**

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Maßnahme bei sensiblen Daten: Open-Source



The screenshot shows the GitHub interface for the repository `LAION-AI/Open-Assistant`. The repository is public and has 379 watchers, 2.2k forks, and 27.3k stars. The main branch is `main` with 34 branches. The repository contains a file tree on the left with folders like `.devcontainer`, `.github/workflows`, `.vscode`, `ansible`, `assets`, `backend`, `copilot`, `data`, `deploy`, `discord-bots`, `docker`, `docs`, `inference`, and `model`. The main content area shows a list of commits, including a merge pull request from `berkantay/main` and several feature and fix commits. The right sidebar shows the repository's description: "gpt4all: an ecosystem of open-source chatbots trained on a massive collections of clean assistant data including code, stories and dialogue". It also includes links to the README, MIT license, and 37.6k stars. The releases and packages sections show no published content. The contributors section lists 26 contributors.

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Maßnahme bei sensiblen Daten: Open-Source

- Derzeit noch nicht auf dem "intellektuellen" Niveau von GPT-4 (state-of-the-art Modell von OpenAI)
- Sehr schnelles Tempo, mit dem neue Alternativen entstehen, und insb. auch besser werden
- Nach wie vor: Blick auf die Lizenz werfen. Etwa sehen verschiedene Lizenzen vor, dass die Modelle nicht für vollautomatisierte Entscheidungen (z.B. im Falle eines Kreditscorings) eingesetzt werden dürfen

Vorsicht!

- Nicht alle open-source Modelle sind kommerziell einsetzbar!
- Z.B. LLaMA-basierte Modelle (GPT-Alternative von Meta): Source Code kommerziell lizenziert, aber nicht die Modellparameter.

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Vergleich open-source vs. proprietäre Modelle



Ich möchte einen Onlinekurs zu KI gestalten. Wie kann ich diesen am besten planen?



Planing is the backbone of any project to make sure you reach your goal successfully. In this case, we want to plan an online course about Artificial Intelligence (AI). Here are some steps I can suggest:

1. Define a target audience for your course by identifying their needs and skill level. This will help you tailor your content accordingly. Make sure there is interest in AI among them. If you're not sure, try reaching out to potential customers with brief questionnaires or polls. It may also be worthwhile to analyze similar courses on platforms such as Udemy, Coursera or YouTube. You should pay attention here in particular to whether they have high ratings or good reviews.
2. Select topics for your lessons and create an outline that will guide your students through the course while covering all relevant aspects of the topic. Be flexible when designing this, because during the creation of interactive elements it could turn out that parts of the schedule cannot be implemented. Your aim should be to enable learners from other schools or disciplines, who still find themselves interested, the entry-level education required. There are many popular courses currently available where the basics of mathematical models used later are introduced at university or school level, which would take several weeks or even months longer than planned. The content mustn't necessarily include this since it wouldn't apply to most people anyway and thus slow down the overall progress of the learning experience without generating actual new knowledge. The use of external services like AYLIEN Text Analysis API (<https://aylien.com/text-analysis/>) would allow advanced users to follow a more technically sophisticated part. For others, maybe some

Open-Assistant



Ich möchte einen Onlinekurs zu KI gestalten. Wie kann ich diesen am besten planen?



Einen Online-KI-Kurs zu planen, erfordert sorgfältige Planung und Vorbereitung. Hier sind einige Schritte, die Ihnen bei der Erstellung eines ansprechenden und effektiven Kurses helfen können:

1. Zielgruppe definieren: Bestimmen Sie, wer Ihre Zielgruppe ist. Richtet sich Ihr Kurs an Anfänger, Fortgeschrittene oder Experten? Dies hilft Ihnen, den Umfang und die Tiefe der Inhalte festzulegen.
2. Lernziele festlegen: Bestimmen Sie die Lernziele Ihres Kurses. Was sollen die Teilnehmer am Ende des Kurses wissen oder können? Formulieren Sie klare und messbare Lernziele, um den Erfolg des Kurses bewerten zu können.
3. Kursinhalte erstellen: Entwickeln Sie die Kursinhalte auf der Grundlage der festgelegten Lernziele. Stellen Sie sicher, dass die Inhalte ansprechend und interaktiv gestaltet sind. Dazu können Sie Videos, Texte, Grafiken und interaktive Übungen verwenden.
4. Kursstruktur entwerfen: Unterteilen Sie den Kurs in kleinere, leicht verdauliche Module oder Lektionen. Erstellen Sie eine logische Reihenfolge, in der die Teilnehmer die Inhalte durcharbeiten können.
5. Interaktive Übungen und Tests entwickeln: Fügen Sie praktische Übungen, Tests und Projekte hinzu, um den Lernprozess zu unterstützen und die Teilnehmer aktiv am Kurs teilnehmen zu lassen. Dies kann die Motivation der Teilnehmer erhöhen und ihnen helfen, das Gelernte besser zu verinnerlichen.
6. Online-Plattform auswählen: Entscheiden Sie sich für eine Online-Plattform, auf der Sie Ihren Kurs anbieten möchten. Es gibt verschiedene Optionen wie Udemy, Coursera, edX oder Sie können auch Ihre eiger
7. Kursmaterialien produzieren: Produzieren Sie hochwertige Materialien für Ihren

Send a message...

GPT-4



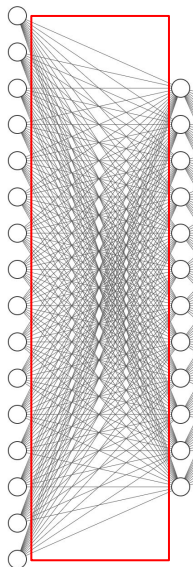
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Highlight: GPT4All-J

- Quantisiertes Modell, welches sogar auf einem MacBook M1 laufen kann!
- Komprimiert durch Reduzierung des Datentyps der Modellparameter.



Input Layer $\in \mathbb{R}^{16}$

Hidden L

Sinngemäß (vereinfachte Darstellung):

- Parameter im Originalzustand mit 32 Bytes:
3,14159265
- Mit 16 Bytes wäre abbildbar:
3,14
- Somit kann das Modell verkleinert werden, ohne zu große Performance-Einbußen in Kauf nehmen zu müssen
- Ein Modell mit 1.000.000.000 Parametern braucht grob 4GB RAM, in quantisierter Form nur 1GB.

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