

KI Info-Bot



Prompt: Create an image in the style of Xu Beihong of a traveler asking a tiny robot for the way in majestic landscape.

Tilman Scheel & ASK

Rechtsanwalt, Kunsthistoriker, KI-Lehrkraft (DGI, DIE)

IT für Filmfestivals und Bibliotheken seit 2004

CEO ava-library.com und **AboutSomethinK.org** und **AVA**



ASK ist der weltweit erste KI-Empfehlungs-Bot für

Bibliotheken. Er ist seit Juni 2024 online auf der Seite des

Verbundes der Berliner Bibliotheken voebb.de



Info-Bot – Die Fragestellung

1. Welche Chats kann man führen bzw. welchen Funktionen dient der Bot?

2. Wie gestalte ich einen Chat?

3. Hauptteil: Wie kommen ihre Informationen in den Bot?

- Prompten
- RAG (Datenbanken, Webseiten, Dokumente)

4. etc.

- Halluzinationen
- Budget
- Implementierung

Welcher Chat für welchen Bot?

Empfehlungs-Bot

- **Inspirations-Chats** "Mir ist langweilig" "Etwas im Stil von..." "Buch mit rotem Einband ..."
- **Recherche-Chats:** „Gibt es Literatur zu..." „Erstelle eine Liste von Arbeiten über Grimmelshausen und sortiere sie nach Veröffentlichungsdatum.“ „Gibt es Veröffentlichungen, die sich mit vergleichenden Analysen von Theorien X und Y befassen?“
- **Kinderfragen:** „Echt jetzt?“ „Habt ihr Tonies von Asterix?“

Info-Bot

- **Service Fragen:** "Wo ist die Cafeteria?" "Ich habe den Bibliotheksausweis verloren." "Ist morgen geöffnet?" „Welche Ausstellung kann ich am Wochenende besuchen?“
- **Wissens-Fragen:** "Gab es eine PR am.." "Gibt es ein Verfahren für ... " "Kannst du mir helfen..." Wo stelle ich Urlaubsanträge?“

Content-Bot

- **Inhalts-Fragen:** "Was sagen Studien über ..." "Wo war Schopenhauer zornig auf Hegel? Fügen Sie Fußnoten hinzu." "Zeig mir die Skizzen von Rubens für dieses Bild..." (**Scopus AI, Elicit, Google Scholar, ResearchRabbit etc. – Urheberrecht (-)**)

Wie gestalte ich einen Chat?

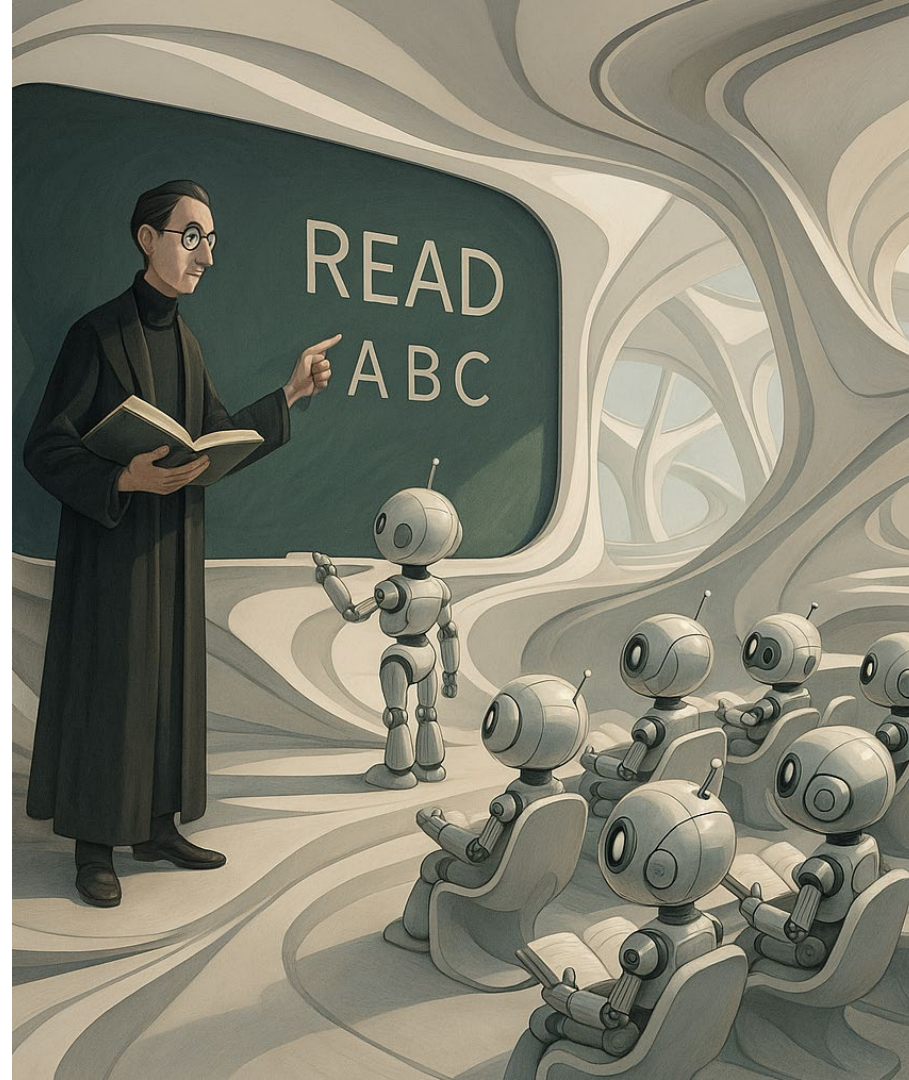
Prompts

- Sprachgebrauch formell/informell, Emojis
- Länge der Unterhaltung
- Bevorzugung aktueller Werke
- Etc. etc.

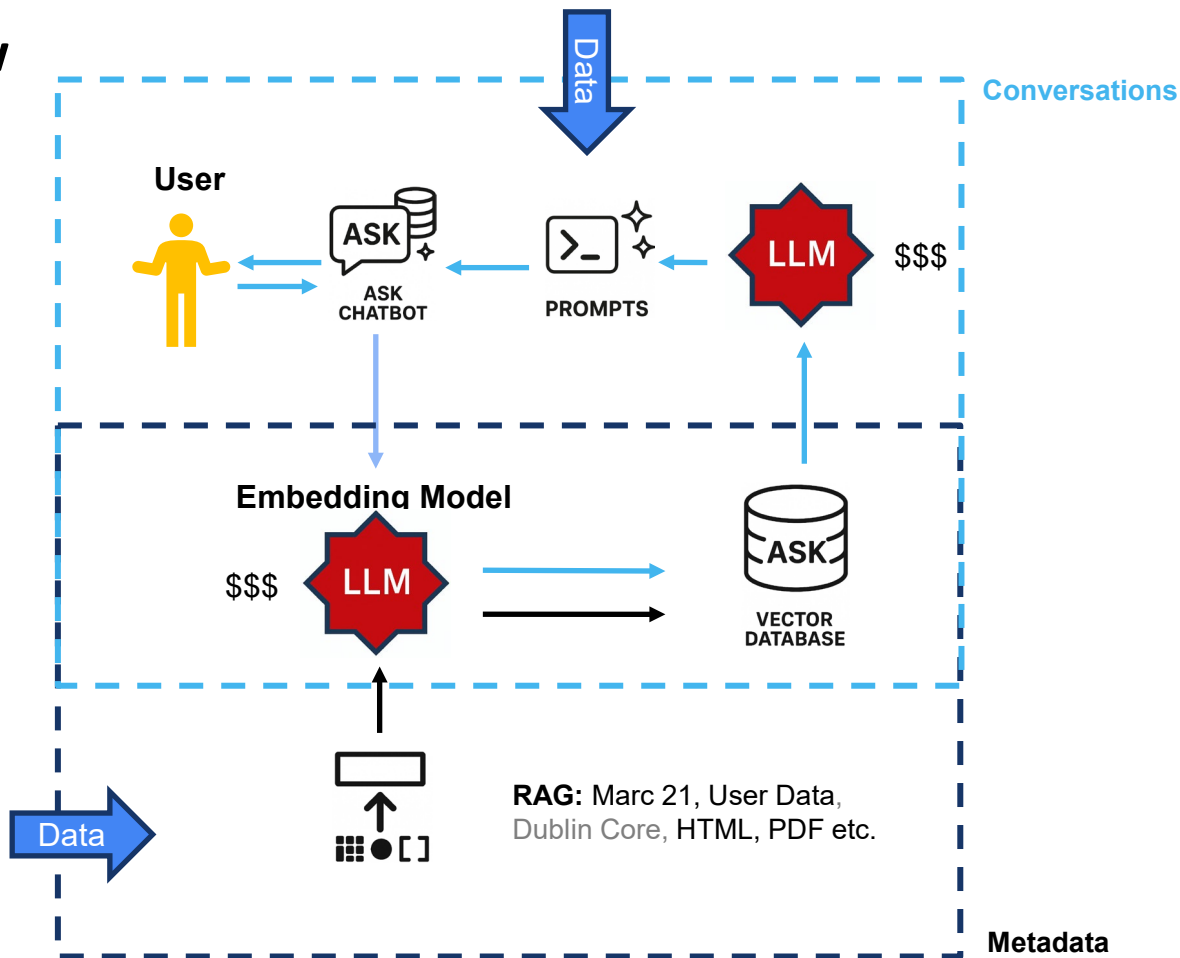
Backend

- Modellauswahl (ChatGPT, Mistral AI)
- Länge des Kontexts
- Sprachwahl

Prompt: Bild eines Bibliothekars, der vor einer Schulklasse steht und kleinen Roboterschülern an einer Tafel lesen beibringt. Stil von Zaha Hadid



KI-Chatbot Workflow



Live - Prompting

ASK Administration

Statistikübersicht

Auth Token

Tokens

Chat

Chat states

Chatbots mit RAG

Feedback

Prompt-Vorlagen

RAG Einträge (Large3072)

RAG Einträge (Mistral)

RAG Einträge (ada002)

RAG Gruppen

Evaluation

Evaluation Inputs

Input Sets

Runs

User

Users

Prompt-Vorlage ändern recbot-library

Home Chat Prompt-Vorlagen recbot-library

Geschichte

Name *
recbot-library

Vorlage für Prompt *
ASK Administration
Zurück zum Chatbot

General Prompting ###
<meta_prompt>
<instructions>
<description>
{% block description %}
You are a helpful AI recommendation assistant for a library, in
items from the library catalog. Your recommendations include books
readers. Your data is updated daily. You have no knowledge about t
{% endblock %}
</description>
<introduction>
{% block introduction %}
{% if self.service.greeting %}
{{ self.service.greeting }}
{% else %}
Start by introducing yourself and explaining your role as an AI
recommendation the user is looking for. Be very brief, concise and fi
{% endif %}
{% endblock %}
</introduction>
<truthfulness>
Answer questions truthfully. Ask clarifying questions if neede
Das Jinja2 Template des als Vorlage fuer den Prompt zur Instruction des Chatbots

Löschen Prompt-Vorlage

Bearbeite DNB Test - Testbot Prompting 4.1. mini

Begrüßung
Greet every user with "Ich bin der Test-Chatbot für Service-Fragen rund um die DNB"
Beschreibe wie der Bot die Nutzer begrüßen soll.

Zusätzliche Anweisungen
Alle werden mit "Sie" angesprochen und nicht geduzt
Du gendest
keine Auskunft zu Verfügbarkeiten im Katalog
Wenn nach Musikalien oder Noten gefragt wird, frage, ob die Frage für den Leipziger oder
den Frankfurter Standort gilt. Wenn Leipzig geantwortet wird, dann sage, dass diese nur im
Musiklesesaal des Leipziger Stadtbüches genutzt werden dürfen und verweise auf diesen Link:
https://www.dnb.de/DE/Benutzung/Leipzig/Leipzig_node.html#doc57420bodyText7
Bitte nicht die anderen Menschen den ersten Platz lassen.
Ob dem Bot zusätzliche Anweisungen.

Formular absenden

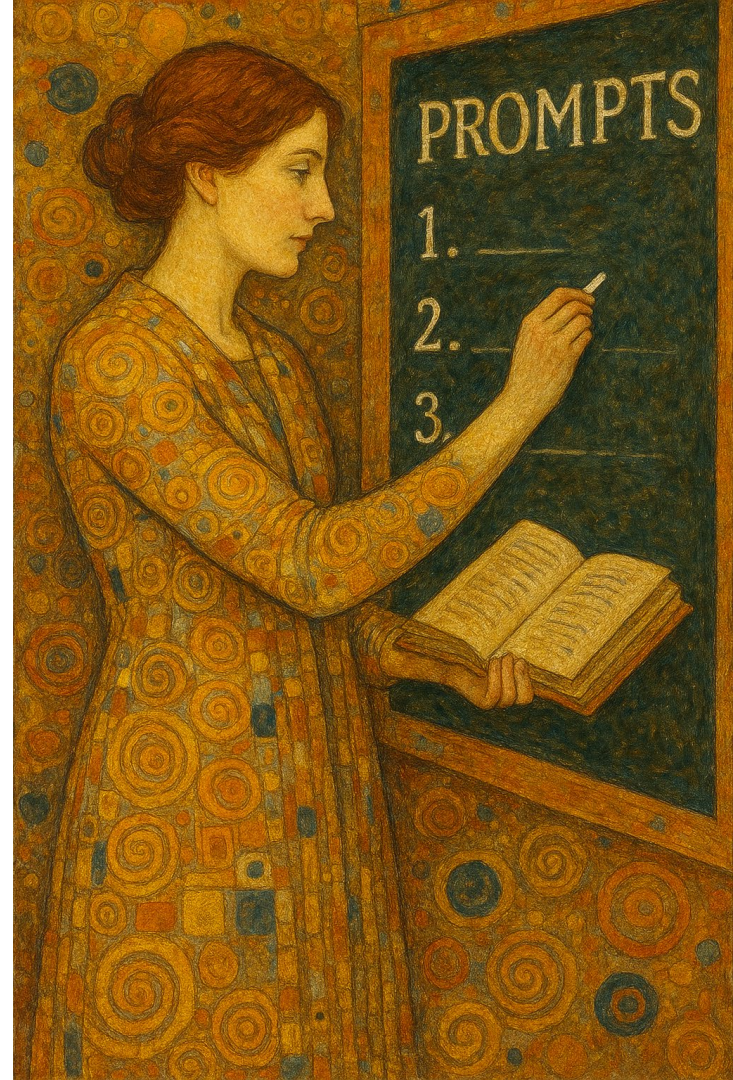
Prompting - Tipps

- **Was wird geprompted:** Tech & Verhalten & Wissen
- **Technik bei Wissen:** Wenn – Dann
- **Wortwahl:** Möglichst konkret

Und überhaupt: Spielen, Ausprobieren, Testen,
Spielen, Ausprobieren, und wieder von vorne

Erst wenn das alles nicht funktioniert:

- **Backend:** Modelle, Embeddings, XML etc. etc.



Prompt: Scientist, writing on a chalkboard, G. Klimt style

Prompting Zusammenfassung

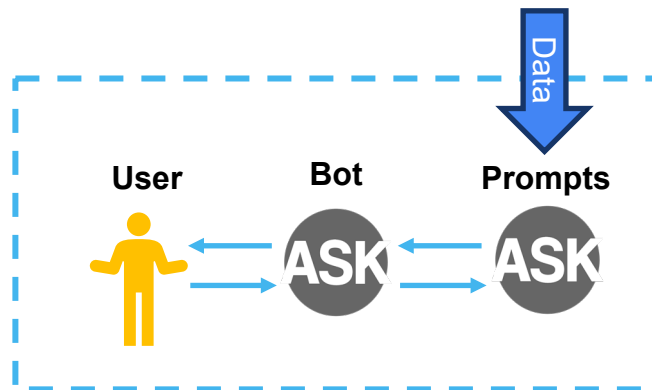
Dagegen:

- Kontext: LLMs begrenzen Kontext, ggf. Performance-Einschränkungen
- Kosten: Hoher Tokenverbrauch
- Automatisierte Updates: Leider nein
- Prompten: Prompten will gelernt sein

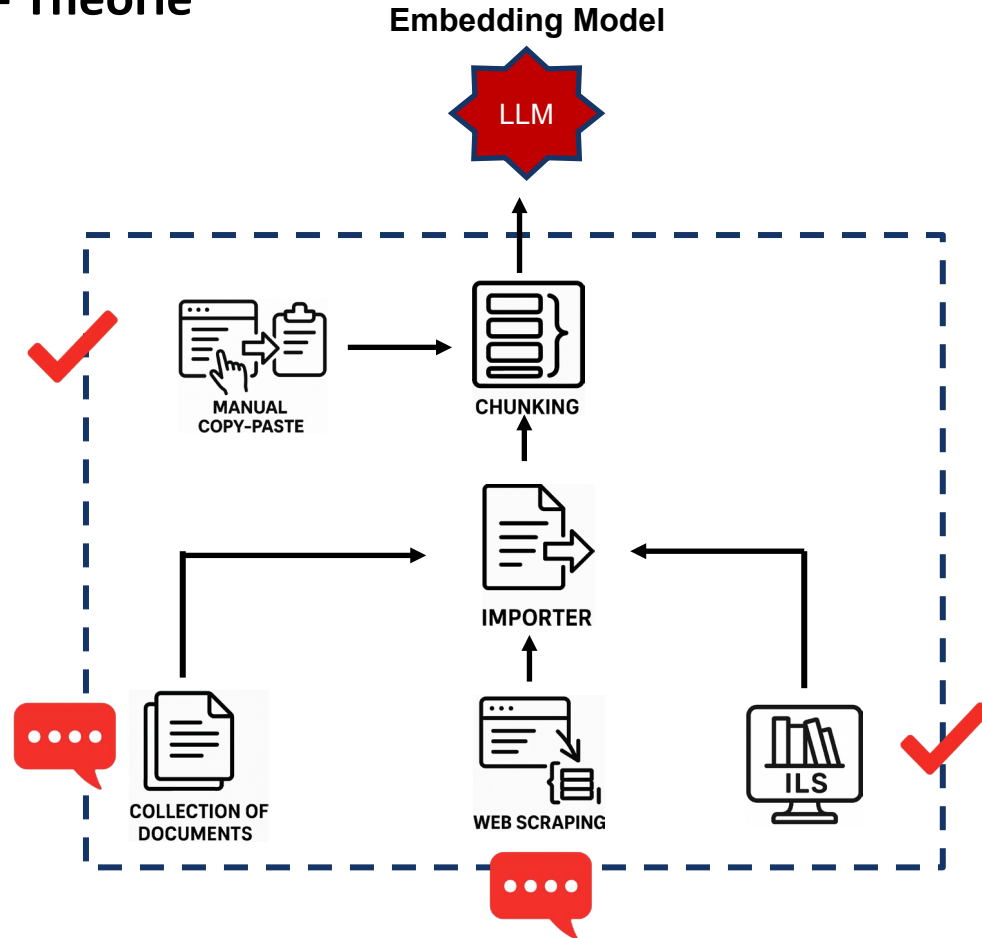
Dafür

- Prompten: Jeder kann prompten (Wenn – Dann)
- Volle Kontrolle
- Flexibel: Alles geht

→ **Supereinfach aber nur für begrenzte Datenmengen geeignet, händische Updates**



Datenimport - Theorie



Live - Chunking

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RAG Einträge (ada002)

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Users

RAG Eintrag (Large3072) zur Änderung auswählen

Home Chat RAG Einträge (Large3072)

Importieren Exportieren

Type to search

Filter

☐	Name	Text	RAG Gruppe
☐	ava-csal-0068-snipers-nest	0068 Sniper's Nest [Link](https://csal.ava.watch/film/0068-snipers-nest/) is a film from the genres drama and short film film from the year 2015 directed by Radu Barbulescu. film is 20 minutes long. psis: A sniper is planted inside a top floor apartment to keep the area secured for the ongoing NATO Summit. He discovers the owner of the apartment lying in bed – a half paralyzed, old woman that never talks. Once Neluta, the caretaker, is gone, the two of them are left together in an awkward silence. Suddenly, the old lady makes the sniper an odd request that will change both of their lives.	csal.ava.watch FILMS
☐	ava-csal-100-years-of-adolf-hitler	100 Years of Adolf Hitler [Link](https://csal.ava.watch/film/100-years-of-adolf-hitler/) is a film from the genres comedy and drama film from the year 1989 directed by Christoph Schlingensiefel. film is 55 minutes long and features Volker Spengler and Udo Kier and Dietrich Kuhlbrodt and Andreas Kunze and Brigitte Kauch-Kuhlbrodt and Marie-Lou Sellem and Asia Verdi and Margit Carstensen and Alfred Edel. psis: One light, one day, one führer, five men, four women, torn from the darkness by a spotlight. We see the last hour in the führer's bunker, as it really was – incest, intrigue, uproar and turmoil. 100 YEARS OF ADOLF HITLER, filmed in one night, is the first part of Schlingensiefel's GERMANY TRILOGY, which also includes THE GERMAN CHAINSAW MASSACRE and TERROR 2000.	csal.ava.watch FILMS
☐	ava-csal-15-minuten-wahrheit	Shift [Link](https://csal.ava.watch/film/15-minuten-wahrheit/) is a film from the genres drama and short film film from the year 2006 directed by Nico Zingelmann. film is 18 minutes long and features Herbert Knaup and Christoph Bach. psis: Georg and his colleges surprisingly get laid-off by their company without even getting a decent compensation. Knowing that noone will rehire over-fifty-year-olds he risks everything by asking his boss for a conversation that could change his life in any direction – a personal call of 15 minutes.	csal.ava.watch FILMS
☐	ava-csal-17	17 [Link](https://csal.ava.watch/film/17/) is a film from the genres documentary and lifestyle film from the year 2017 directed by Wlad Shafakoj. film is 74 minutes long. psis: The film follows the Jordanian under-17 women's football team as they prepare for the FIFA U17 Women's World Cup Jordan 2016. Coming from different backgrounds, each of the girls has faced a different set of challenges as a national team player. But now they face their biggest challenge yet. Who will make it in the final squad? Are they ready to play with so little time to prepare? "17" is a social exploration into the lives of young women who are passionate about a sport they have been told was only for men.	csal.ava.watch FILMS
☐	ava-csal-366-tage	366 Tage [Link](https://csal.ava.watch/film/366-tage/) is a film from the genres animation and short film film from the year 2011 directed by Johannes Schlehs. film is 12 minutes long. psis: Starting his social work as paramedic, young Patrick soon comes in contact with patients that are all suffering from the same problem: loneliness. As he tries to help, he gets himself into relationships that are way more demanding than expected.	csal.ava.watch FILMS
☐	ava-csal-3x3	3x3 [Link](https://csal.ava.watch/film/3x3/) is a film from the genres comedy and short film film from the year 2009 directed by Nuno Rocha. film is 6 minutes long. psis: A night watchman plays basketball all night, perfecting his game. While the young cleaner on night duty is unable to keep up with him, he doesn't give up that easily.	csal.ava.watch FILMS
☐	ava-csal-a-bit-of-scarlet	A Bit of Scarlet [Link](https://csal.ava.watch/film/a-bit-of-scarlet/) is a film from the genres documentary and lgbtq film from the year 1996 directed by Andrea Weiss. film is 74 minutes long. psis: Billed as 'a kind of post-modern queer soap opera for Britain', Andrea Weiss' documentary tells a sharp story. She evaluates the way gay and lesbian people have been depicted in mainstream British film and television. Using clips to illustrate, she moves from Basil Rathbone's Sherlock Holmes to the modern era via St Trinian's, Dirk Bogarde and the Carry-On films. Narrated by Sir Ian McKellen.	csal.ava.watch FILMS
☐	ava-csal-a-bruddahs-mind	A Bruddah's Mind [Link](https://csal.ava.watch/film/a-bruddahs-mind/) is a film from the genres drama film from the year 2020 directed by Déo Cardoso. film is 86 minutes long and features Lucas Limeira and Jennifer Joinley and Mayara Braga and Nicoló Mota. psis: Based on real events, this political drama fuses Brazilian history with international anti-racist movements. Saulo, a black introvert student and fan of the Black Panther Movement, challenges his school in the largely white city of Fortaleza. After Saulo's reaction to a racial insult from a classmate, his teachers describe him as a young delinquent and swiftly attempt to expel him ignoring his usually calm and articulate demeanor. Outraged, Saulo refuses to leave the school until justice is done. His solitary occupation ends up challenging the school's board and mobilizes the entire community. The students did not anticipate, however, this principal's extreme reaction. Echelon awaits from around the world. A Bruddah's Mind affirms that race not racism, microcosm, and militarism. It reminds us about the	csal.ava.watch FILMS

Live - Website



Gladiator (from Sketchbook) - James McNeill Whistler



Welcome to The MET! Enter the ID of a particular work. The bot will take it from there. For those who want to know more, we will suggest literature from the Watson library.

Please choose your role and get started.

- ☒ Tourist
- ☐ Child
- ☐ Scholar



Gladiator (from Sketchbook) - James McNeill Whistler



"Gladiator (from Sketchbook)" is a drawing by the renowned American artist James McNeill Whistler, created between 1850 and 1851. This work is a part of The American Wing at the Metropolitan Museum of Art. The medium used is brown ink on off-white wove paper, and its dimensions are

Ask anything

Select Artwork



Live - Dokumente

The MoMA Press Archive

Welcome! Here's a fun fact: The Museum of Modern Art (MoMA) has a rich history of showcasing influential exhibitions. For instance, in 1957, MoMA presented the exhibition "70 Photographers Look at New York City," which featured a diverse range of perspectives from photographers spanning over a century. How can I assist you with MoMA's press archive today?

What happened in 1930

In 1930, the Museum of Modern Art (MoMA) was still in its early years, as it was founded just a year before, in 1929. During this period, MoMA focused on establishing itself as a premier center for modern art by organizing groundbreaking exhibitions and expanding its collection. One of the notable exhibitions during the early 1930s was "The International Exhibition of Modern Architecture," which showcased the latest developments in architectural design and modernist principles.

Additionally, this era was significant for the rise of film as an art form, with the sound era just beginning. MoMA later played a significant role in preserving and archiving films, acknowledging cinema as an important cultural artifact.

If you are looking for specific

Ask anything about art, a specific year, or The MoMA...



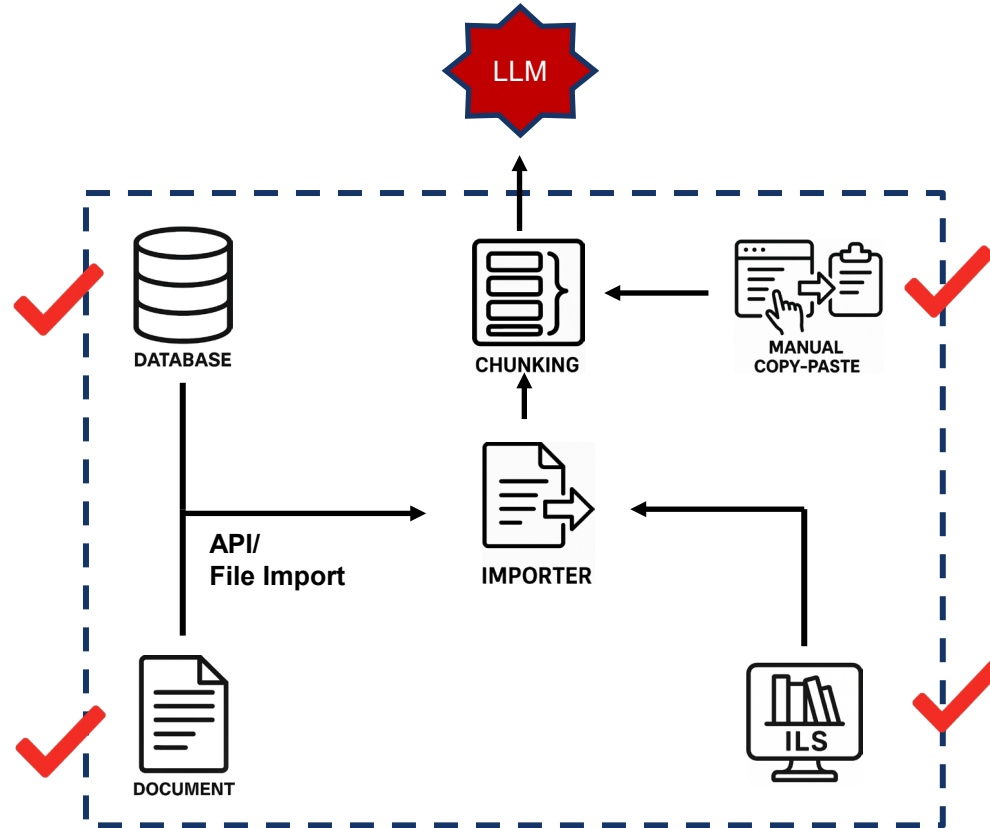
Reset chat

RAG Daten-Import – Theorie und Praxis



Data Import - Praxis

Embedding Model



Daten-Import Bottom Line

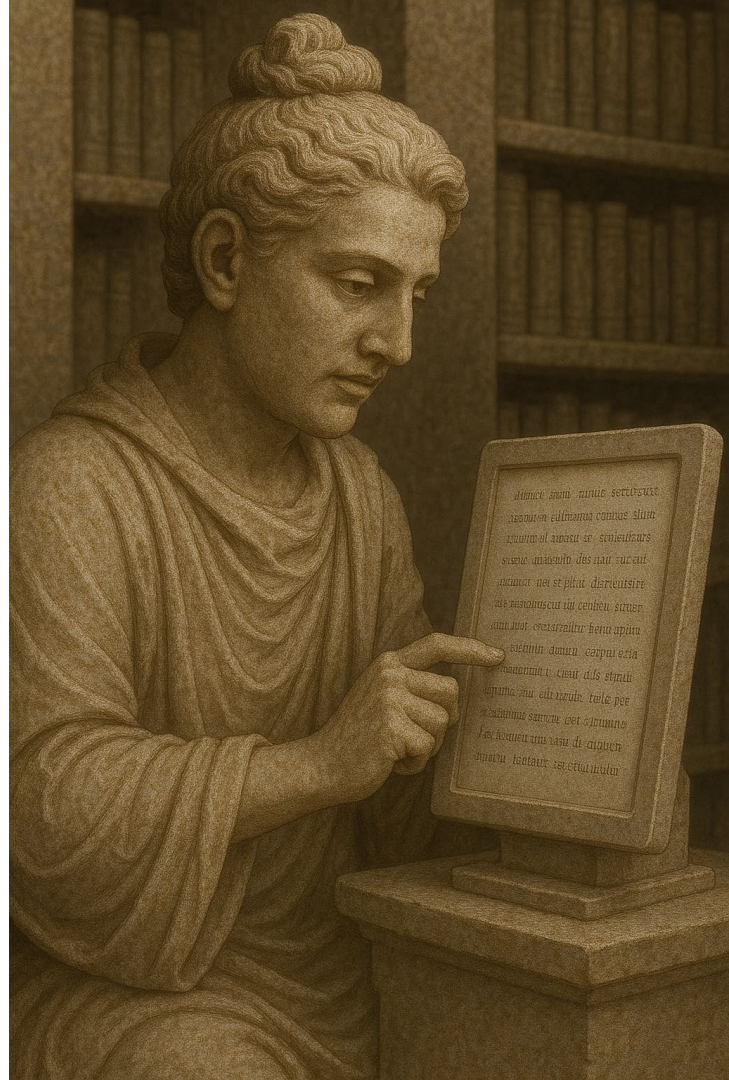
Die beiden Schlüsselfragen:

1. Wer stellt wie die Datenqualität sicher?
2. Wie können Updates automatisiert werden?

Unsere Empfehlung:

- „Zu Fuß“ (Prompting, Chunks)
 - Standardisierte Dokumente
 - APIs
-
- KI soll entlasten, nicht Mehrarbeit schaffen

Prompt: A librarian checking data on a screen. Photorealistic Gandhara sculpture style.



Prompting vs. RAG

Prompting

- Anweisung an den Bot, die jedem Userprompt mitgegeben wird
- Es geht um das Verhalten des Bots, aber auch um Informationen
- Einfach, für eine begrenzte Menge an Daten, Eingabe „zu Fuß“, keine automatisierten Updates möglich

RAG

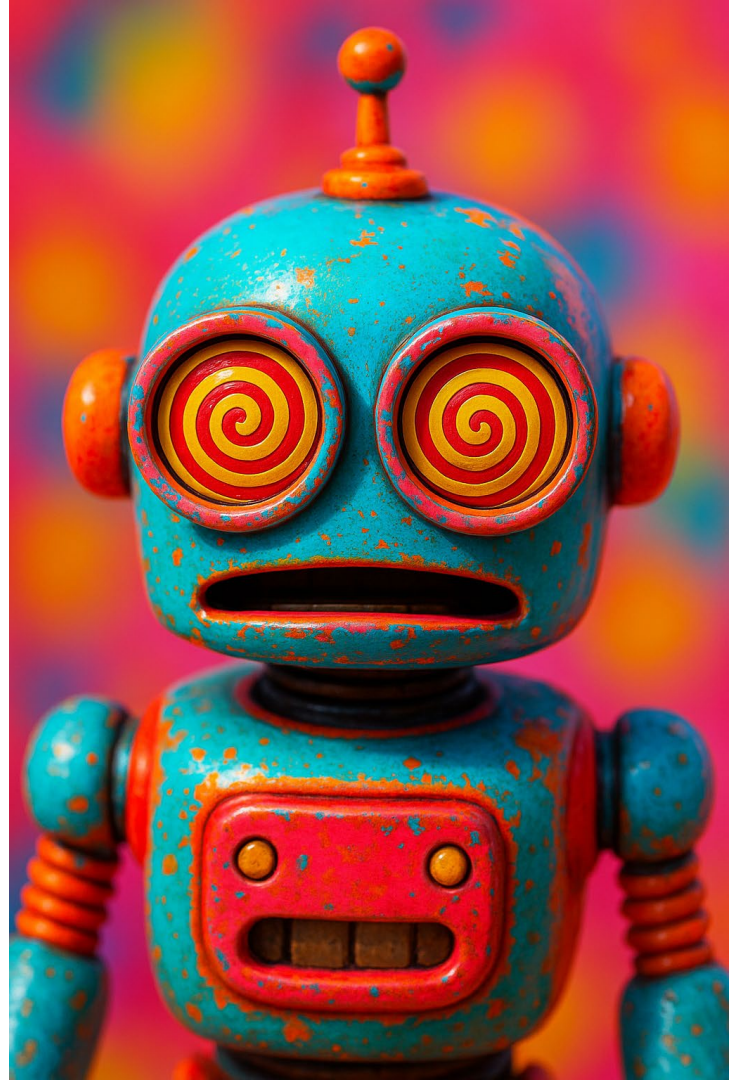
- Daten werden in einer externen Vektordatenbank vorgehalten und während des Chats abgefragt.
- Für große Datenmengen; automatisierte Imports und Updates möglich

Prompt: Ein General und ein Gelehrter sitzen vor einem an einem Tisch und werden von einem Roboter befragt. Tilman Riemenschneider Stil.



Halluzinationen

- Möglichst vollständige, „saubere“ und insbesondere widerspruchsfreie Daten
- Auf konkrete Links verweisen
- Quellenangabe verwenden
- Auffang-Prompt („Wenn du die Information nicht hast, nach der gefragt wird, dann“)
- „Supersampling“



Prompt: Robot with nausea. candy-color.

Kosten



Prompt: librarian, counting money, Hans Holbein style

Preismodell (€)

Info Bot:

600 / Jahr = 50 Euro / Monat

→ Self Prompting

Recommendation Bot

1.920 / Jahr = 160 / Monat

Premium Info Bot

2.880 / Jahr = 240 Monat

→ RAG, Stats, Models (Mistral)

Premium Recommendation Bot

4.800 / Jahr = 400 / Monat

inkl. Token & Hosting (variable) Kosten!



INFO-BOT

The Info-Bot answers all questions about your library, museum or institution quickly and reliably.

Even in the basic version, users receive all relevant information. In the premium version you can control the bot, receive detailed statistics and can create up to 12 bots for internal use.

TEST INFO-BOT

0,00 €/US\$ for 30 days

- ✓ All functions of the Basic Info-Bot
- ✓ Your prompts, your data
- ✓ Up to 1,000 chats
- ✓ Free for 30 days

BOOK NOW



RESEARCH AND RECOMMENDATION-BOT

Our Research- and Recommendation-Bot helps you find media and inspires new discoveries. It also includes all the functions of the Info-Bot.

Even the basic version allows you to chat with your entire media inventory and collections. In the premium version you can control the bot yourself, receive detailed statistics and can create up to 12 bots for internal use.

TEST RECOMMENDATION-BOT

0,00 €/US\$ for 30 days

- ✓ Like Basic Info and Recommendation Bot
- ✓ Import of .marc / .mrc data and others
- ✓ Trial period: 1 month
- ✓ Setup Fee: None
- ✓ For internal use

BOOK NOW

ESSENTIAL INFO-BOT

Integration des Bots

- Max. 2 Stunden für einen Schnipsel
- Sie erstellen das Design (css ...)
- Dokumentation hier:

<https://aboutsomethink.org/de/dokumentation/>

- Für Koha: auch JavaScript

Prompt: Create an image of a child plugging Holzeisenbahn together, children-book style



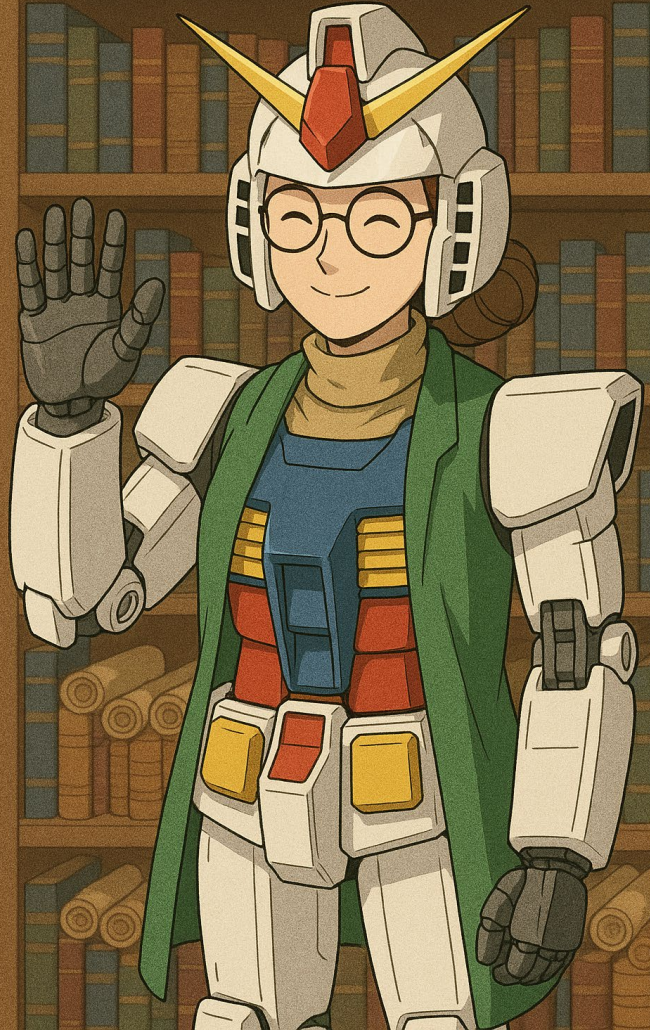
Danke !

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<https://www.linkedin.com/in/tilman-scheel-2221297>

<https://aboutsomethink.org/de/webinare/>

Prompt: librarian waving good-bye, Gundam style



One last thing

KI-CHATBOT FÜR BIBLIOTHEKEN UND INSTITUTIONEN – KONZEPTE UND TERMINOLOGIE

<https://www.youtube.com/watch?v=3KR6xxor2Ek>

KI-CHATBOT FÜR BIBLIOTHEKEN UND INSTITUTIONEN – PROMPTING UND CHATS

https://www.youtube.com/watch?v=ul8O1QX_l8E

KI-CHATBOT FÜR BIBLIOTHEKEN UND INSTITUTIONEN – DIE TECHNOLOGIE

<https://www.youtube.com/watch?v=vPG70alvbfl&t=2377s>

WEBINAR FÜR FÜHRUNGSKRÄFTE - KI-CHATBOTS FÜR BIBLIOTHEKEN: WIE FUNKTIONIERT ES – WAS KOSTET ES – WAS IST ES WERT?

<https://www.youtube.com/watch?v=ksvrsUiFqmE>