



Community of Practice KIPerWeb

Austausch zur Nutzung und Entwicklung KI-gestützter Webanwendungen



KIPerWEB



Forschungsinstitut
Betriebliche Bildung

- **Update**
 - News & Leaderboard-Update
- **Input**
 - „KI-basierte Inhaltsanalyse“
- **Diskussion**

Leaderboard-Update (05.03.2025)



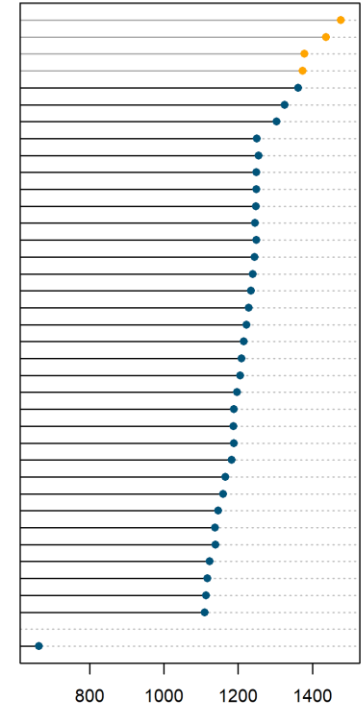
- Deepseek-r1 in der Kategorie „German“ mittlerweile überholt von mehreren Modellen inkl. Spitzenreiter gpt-4.5-preview
- Arena-Scores von *nicht*-proprietären Modelle sind rechts ausgewiesen sofern sie mindestens das Niveau von Gemma-2-2b-it erreichen:
 - Llama-3.1-nemotron-70b-instruct bleibt das beste open-weights-Modell für „Consumer“-Hardware in der Kategorie „German“,
 - Gemma-2-9b-it-SimPO bleibt das effizienteste open-weights Modell (mutmaßlich hinter Gemma-2-27b-it-SimPO)
- Phi-4 hat weiter Punkte verloren, seine Position jedoch halten können



Arena Score German

based on Imarena.ai on 05. Mar 2025

gpt-4.5-preview-2025-02-27 (Proprietary)
grok-3-preview-02-24 (Proprietary)
gemini-2.0-flash-Thinking-Exp-01-21 (Proprietary)
ChatGPT-4o-latest 2025-01-29 (Proprietary)
deepseek-r1 (DeepSeek)
deepseek-v3 (DeepSeek)
llama-3.1-nemotron-70b-instruct (Llama 3.1)
Qwen-Max-0919 (Qwen)
Athene-v2-Chat-72b (NexusFlow)
Meta-Llama-3.1-405b-Instruct-fp8 (Llama 3.1)
Mistral-Large-2407 (Mistral Research)
Meta-Llama-3.1-405b-Instruct-bf16 (Llama 3.1)
Athene-70b (CC-BY-NC-4.0)
Mistral-Large-2407 (Mistral Research)
Meta-Llama-3.3-70B-Instruct (Llama-3.3)
Mistral-Large-2411 (Mistral Research)
Qwen2.5-72b-Instruct (Qwen)
Deepseek-v2.5 (DeepSeek)
Meta-Llama-3.1-70b-Instruct (Llama 3.1)
Gemma-2-9b-it-SimPO (MIT)
Phi-4 (MIT)
Gemma-2-27b-it (Gemma)
Aya-Expanse-32B (CC-BY-NC-4.0)
Aya-Expanse-8B (CC-BY-NC-4.0)
Nemotron-4-340B-Instruct (NVIDIA Open Model)
Command R+ (04-2024) (CC-BY-NC-4.0)
Gemma-2-9b-it (Gemma)
Llama-3-70b-Instruct (Llama 3)
DeepSeek-Coder-V2-Instruct (DeepSeek)
Qwen2-72B-Instruct (Qianwen)
Meta-Llama-3.1-8b-Instruct (Llama3.1)
Mixtral-8x22b-Instruct-v0.1 (Apache 2.0)
Command R (04-2024) (CC-BY-NC-4.0)
Qwen1.4-110B-Chat (Qianwen)
Mixtral-8x7b-Instruct-v0.1 (Apache 2.0)
Gemma-2-2b-it (Gemma)
...
Chatglm2-6b (Apache 2.0)



Fokusthema: KI-basierte Inhaltsanalyse

- Prompt „high-tech artificial brain extracts information from a book“

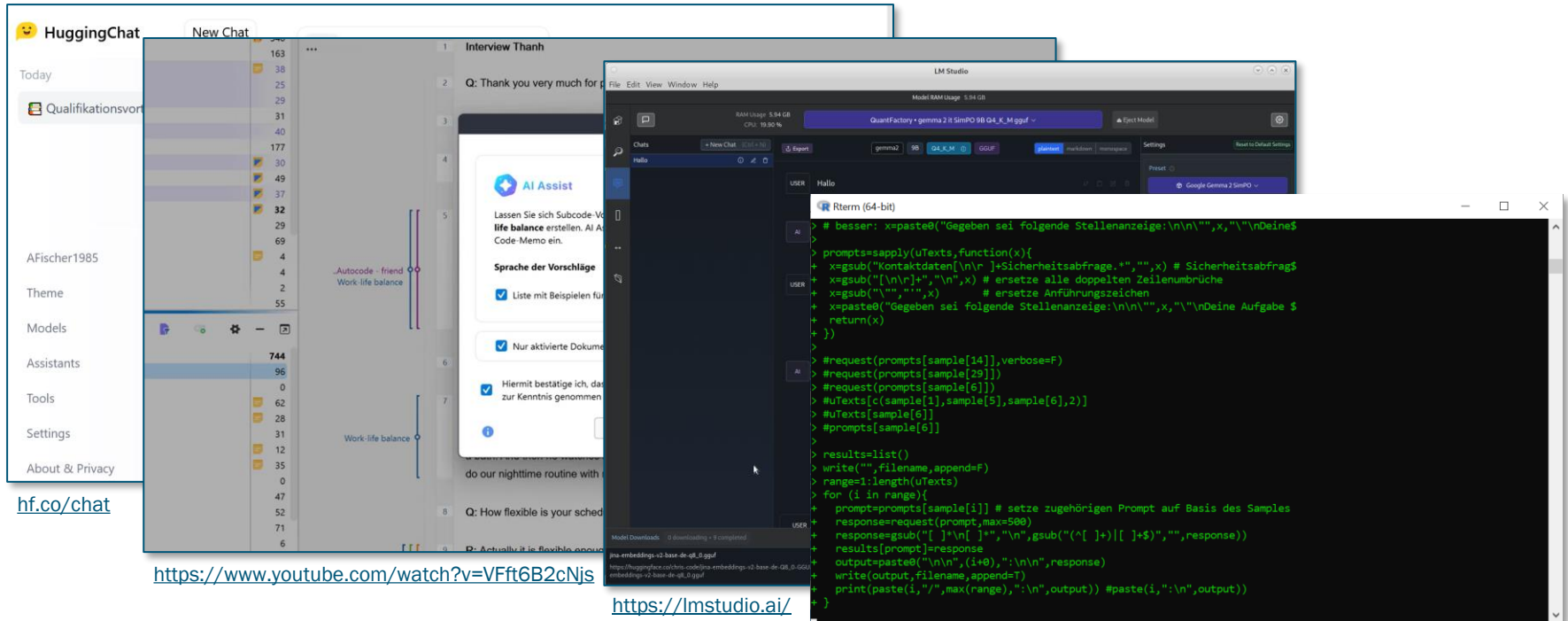
(rechts visualisiert von FLUX.1-schnell, seed 1558494386)



Wie kann man sich KI-basierte Inhaltsanalyse vorstellen?



- Allgemeine KI-Systeme (z.B. HuggingChat), MAXQDA's KI ASSIST, KI on premises und/oder CLIs



AI-based Content Analysis (Fischer, submitted)

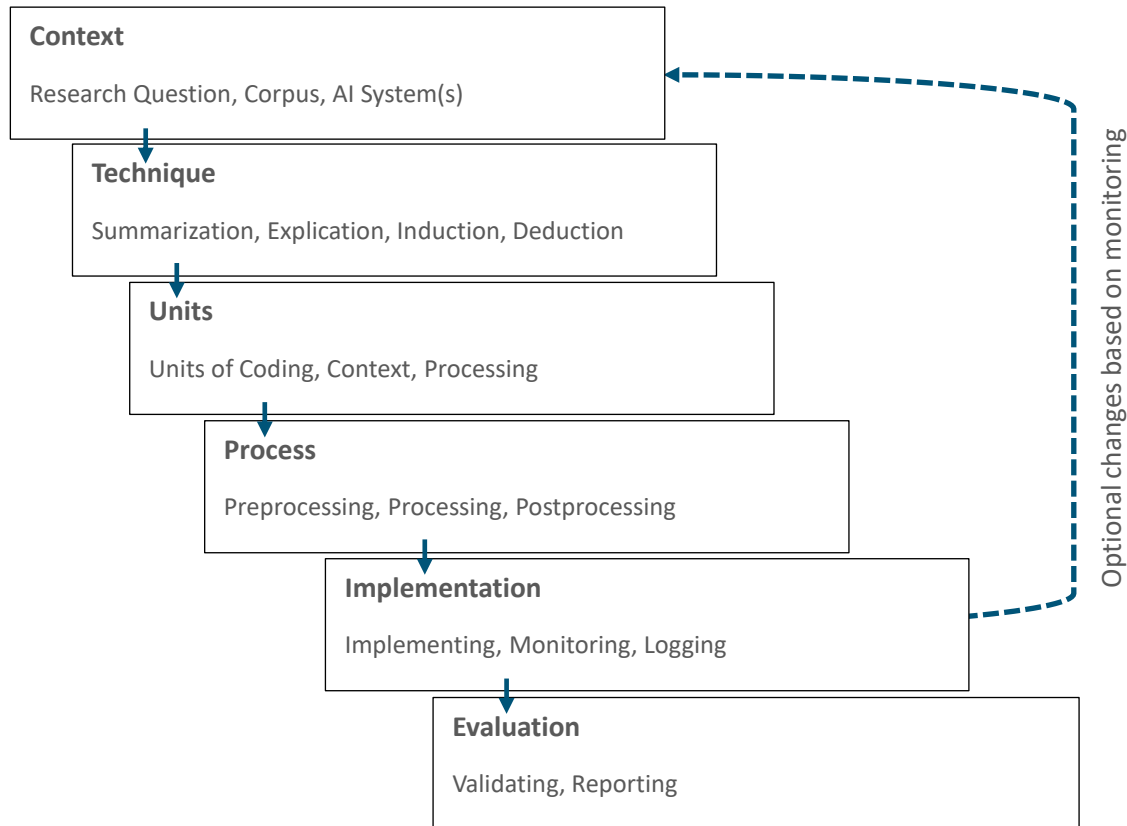


Kategorien KI-basierter Inhaltsanalyse auf Basis von Theoriebezug (vertikal) und Verdichtungsintention (horizontal) nach Fischer (submitted):

AI-based Summarization: AI is applied to generate a neutral summary based on a corpus of specific materials, irrespective of theoretical categories.	AI-based Explication: AI is applied to generate an explication of materials within a corpus based on additional materials/context, irrespective of theoretical categories.
AI-based Induction: AI is applied to draw conclusions on theoretical categories and concepts based on a corpus of specific materials.	AI-based Deduction: AI is applied to draw conclusions on specific materials within a corpus based on a set of theoretical categories and concepts.

Anknüpfend insb. an Mayring (2022) unter Berücksichtigung von Literatur wie Döring und Bortz (2016)

Process Model of AI-based Content Analysis (Fischer, submitted)



the paraphrase "On the following list of

advpersonner contains all the esse passages. \\\n\\summa

that is most likely to

contains all the essential passages. It is a summary of the main points.

- Simulations such as

bullet-point summary of these texts!"

- Potenziale?
- Grenzen?
- Herausforderungen?