MMSearch

Background, Motivation

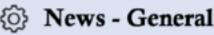
- Most existing benchmark for LLM search doesn't include image input.
- How to evaluate and analyze MLLM's performance when using them as search engine?

¥ News - Finance



Question: Is the closing price (at 4:00 PM) of the company shown in the image on August 2nd higher than the closing price on the day shown in the image?

⊕ → Answer: No



Question: How many cabins on the Ferris wheel were caught fire at a music festival in Germany in August 2024?

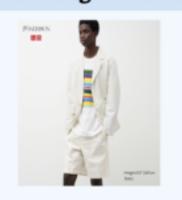
⊕ → Answer: 2



Question: What is the radius of the nebula shown in the image?

→ Answer: 2.5 light-years

Knowledge - Fashion



Question: When did this clothes release?

⊕ → **Answer:** 2024-08-31

News - Sports



Question: How many times did this player play Kalista in LPL 2024 spring season?

⊕ → **Answer:** 9

A News - Science



Question: What format of data does this work convert 3D point

Answer: Videos

clouds to for segmentation?

Question: How the number of concurrent players on the first day

of this game on Steam rank in

News - Entertainment

history?

→ Answer: 2

⊗ News – False Premise

Question: When did Roger Federer win his first Olympic gold medal in singles tennis?

⊕ → Answer: Invalid question

Knowledge - Auto



Question: What is the drag coefficient of this car?

⊕ → Answer: 0.198Cd

MMSearch



Question: Which library houses the book collection that includes this painting?

⊕ → Answer: Heidelberg University Library



Question: What kind of people can go to this building without buying ticket?

⊕ Answer: Children (18 and Under)



Question: How old is the user of this stand?

⊕→ Answer: 19

MMSearch

Contribution 1 — The Benchmark

