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Capability-Aware RAG

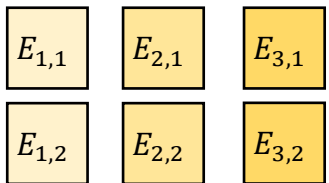
Encyclopedia

Question: Why don't mules give birth to baby mules?

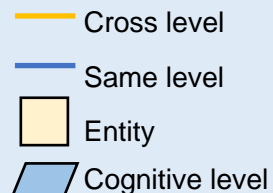
Answer: "You reap what you sow" is the genetic law of the plant world. The same is true in the animal world..."

...

Entity Extraction



Hierarchical Graph Construction



Basic
Accessible
Readable



Question: Why does sleet occur?

Embedding



Query Input



Basic

or



Intermediate

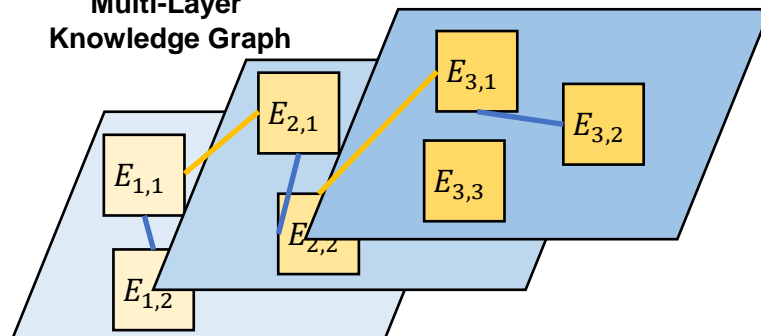
or



Advanced

Cognitive Level Input

Multi-Layer Knowledge Graph



Retrieval outputs with cognitive level



Intermediate
Moderate
Reasonable



Advanced
Expert
Specialized



Adaptive Language Style Optimization

HPQA



Human Preferences



Reference Model

Adaptive Language Style Optimization

CARAG Outputs

Entity Keywords

Keyword

Find the keyword's FFN

Control Center

(14, 1078), (18, 2708)
(21, 4020), (12, 2719)
(layers, vector location),

Answers



Keyword

Dynamically adjust FFN weights during generation.