

# Chain-of-Knowledge ( For Knowledge Augmentation)

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# Definition

- Chain-of-Knowledge (CoK) empowers language models to enhance the accuracy of answers by utilizing diverse information sources.
- It begins by assembling preliminary answers, identifying and weighing various knowledge segments for relevance.

# How Chain-of-Knowledge Works



Compares initial answers, refining them targeted information queries to databases such as Wikidata, enhancing answer precision.

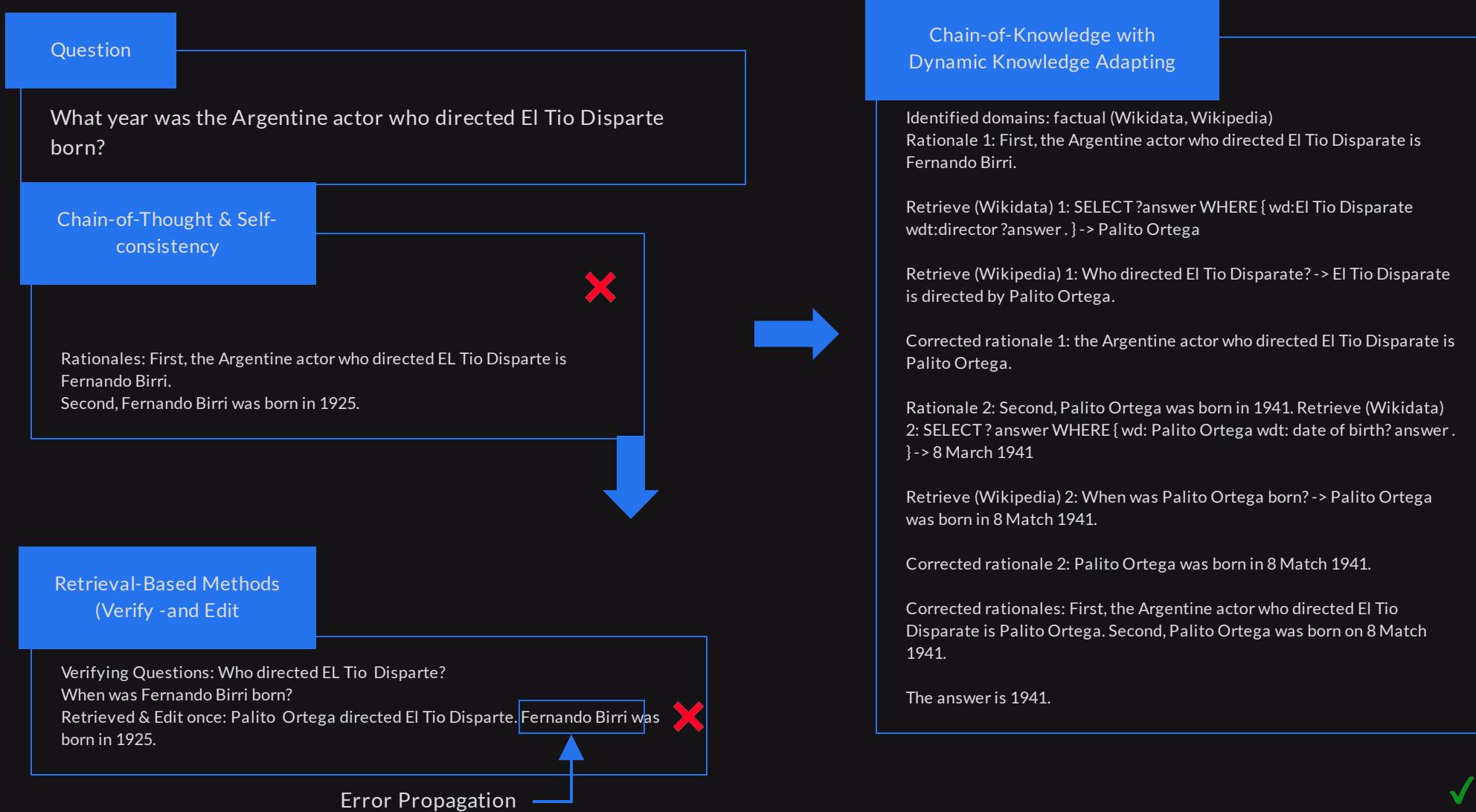


Methodically correcting and updating the reasoning steps, CoK incrementally improves the responses.



Combine all the corrected reasons to arrive at the final answer

# Chain-of-Knowledge: Example



# Chain of Knowledge: Practical Use-case

Refines language model outputs, leading to more reliable and truthful answers by leveraging diverse data sources.

Minimizes the risk of fabricated responses from LLMs, enhancing their trustworthiness for information-critical tasks.

Iterative correction hones the reasoning process, preventing compounding errors and ensuring progressively accurate outcomes.

Ideal for a spectrum of fields requiring precision, from healthcare queries to scientific research, it serves as a versatile tool for knowledge-based inquiries.

# Thank You

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