

Rephrase and Respond Prompting

Instructor

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Definition

- **Rephrase and Respond Prompting (RaR)** is a method that adjusts query phrasing for clarity, enabling better understanding.
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How Rephrase and Respond (RaR) Works?



One-step / two-step System

Rephrase, expand and respond



Make an impact

Combines with CoT for superior question-answering performance.

Rephrase and Respond Prompting: Example



"Take the last letters of the words in 'Edgar Bob' and concatenate them."

Rephrase and expand the question, and respond



Could you please form a new string or series of characters by joining together the final letters from each word in the phrase "Edgar Bob"?

The last letters in the words "Edgar" and "Bob" are "r" and "b", hence when concatenated, it forms "rb".



"Take the last letters of the words in 'Edgar Bob' and concatenate them."

Given the above question, rephrase and expand it to help you do better answering.

Rephrasing LLM



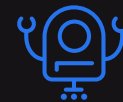
Can you identify and extract the final letters in both the words that form 'Edgar Bob' and then join them together in the order they appear?



(Original) Take the last letters of the words in "Edgar Bob" and concatenate them.

Can you identify and extract the final letters in both the words that form 'Edgar Bob' and then join them together in the order they appear?

Responding LLM



The last letters in the words "Edgar Bob" are "r and "b". Concatenating them in the order they appear would be "rb".

Cons: Rephrase and Respond Prompting

RaR can enhance LLM's responses but may falter with complex tasks like deciphering first character in a Chinese idiom.

Poor training examples can lead LLMs to incorrect answers.

Without guidance (Zero-shot CoT), LLMs might generate nonsensical or biased steps.

Training questions require careful construction for clarity and accuracy.

Thank You
