

Prompt Engineering Techniques

`FILTER_PROMPT = ""` ← *Prompt chaining* by subdividing the task into two shorter system prompts

Please score the following tutor-student transcript as follows:

-if the tutor praises the student, while engaging in a math problem, score the transcript with a 1

-if the tutor does not praise the student, score the transcript with a -1.

Transcript Start ---

`FILTER_FORMAT_PROMPT = ""`

--- Transcript End.

Given the earlier transcript, please return a JSON string following the format, `{\"Rationale\": \"your reasoning here\",`

`\"Score\":-1/1}`. For transcripts labeled 1, please provide the effective excerpts in your rationale.

Your rationale must not exceed 100 words. Your JSON:

`EVALUATION_PROMPT = ""` ← *Prompt chaining*

Please determine whether the following tutor-student transcript demonstrates that the tutor gave effective praise.

Please score the following tutor-student transcript on how effective the tutor is in praising student effort, or work, by being focused on the learning process and not solely ability. Effective tutor responses that acknowledge effort or the learning process, such as saying "I can tell you worked hard solving that problem and are learning. Good effort!" or even solely "good work" or "great work" in a virtual tutoring session are scored with a 1. Tutor responses such as solely "good job" or "perfect" that do not praise the student for specific actions toward learning or putting forth effort are scored with a 0.

If the tutor effectively praised a student for effort, return a 1; else, return 0.

Transcript Start ---

`FORMAT_PROMPT = ""` --- Transcript End. Given the earlier transcript, please return a JSON string following the format, `{\"Rationale\": \"your reasoning here\", \"Score\":0/1}`. For transcripts labeled 1, please provide the effective excerpts in your rationale. Your rationale must not exceed 100 words. Your JSON:

Chain-of-thought by prompting the model to generate rationale and binary prediction

Few-shot prompting by providing desired and less-desired tutor actions