

"Let's Prompt"

giving no prior example

Zero-shot

Prompt with no demonstration

So, model explains everything

without demonstration (or) sentimental model, we got output.

when Zero-shot fails

The screenshot shows a ChatGPT chat window. The user prompt is: "I will give a text, based on sentiment, choose anyone from the options 'I think it's holiday tomorrow' Positive Negative Neutral". The model's response is: "The sentiment of the text 'I think it's holiday tomorrow' is Neutral".

few shots

Prompt with few demonstration

we show the model how to perform the task

Intro to new word. took example of that word. given prompt to generate similar line with diff word.

gpt understands pattern and gives q/b

The screenshot shows a ChatGPT chat window. The user prompt is: "A 'whatpu' is a small, furry animal native to Tanzania. An example of a sentence that uses the word whatpu is: We were traveling in Africa and we saw these very cute whatpus. To do a 'farduddle' means to jump up and down really fast. An example of a sentence that uses the word farduddle is: 'The children were so excited about the surprise that they started to farduddle in the living room.'". The model's response is: "An example of a sentence that uses the word 'farduddle' is: 'The children were so excited about the surprise that they started to farduddle in the living room.'".

CoT → Prompting

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|---|---|
| <p>(a) Few-shot</p> <p>Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?</p> <p>A: The answer is 11.</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A:</p> <p>(Output) The answer is 8. X</p> | <p>(b) Few-shot-CoT</p> <p>Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?</p> <p>A: Roger started with 5 balls. 2 cans of 3 tennis balls each is 6 tennis balls. $5 + 6 = 11$. The answer is 11.</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A:</p> <p>(Output) The juggler can juggle 16 balls. Half of the balls are golf balls. So there are $16 / 2 = 8$ golf balls. Half of the golf balls are blue. So there are $8 / 2 = 4$ blue golf balls. The answer is 4. ✓</p> |
| <p>(c) Zero-shot</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A: The answer (arabic numerals) is</p> <p>(Output) 8 X</p> | <p>(d) Zero-shot-CoT (Ours)</p> <p>Q: A juggler can juggle 16 balls. Half of the balls are golf balls, and half of the golf balls are blue. How many blue golf balls are there?</p> <p>A: Let's think step by step.</p> <p>(Output) There are 16 balls in total. Half of the balls are golf balls. That means that there are 8 golf balls. Half of the golf balls are blue. That means that there are 4 blue golf balls. ✓</p> |

