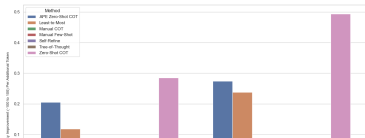


The Practicality of Prompt Engineering

- ▶ What prompt engineering methods are most effective for a given cost (financial, length, complexity)?
- ▶ Data: 100 programmatically-conducted conversations
- ▶ Gains growing/shrinking on gpt4, cost of tokens and human review
- ▶ Novel contribution - new metrics, significance testing, run on new and old models
- ▶ Statistically Significant Improvements (Paired Tests): GSM8K All, Creative Writing GPT-4 Manual CoT, Zero-Shot CoT

Task: Write a coherent passage of 2 short paragraphs. The end sentence of each paragraph, respectively, must be: 1. He had always wanted to be a Youtuber but never thought it would actually happen. 2. My sweater got caught on the door hinge.



Isaac Liu



The Practicality of Prompt Engineering