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Prompt Engineering for Developer

⇒ Isa Fulford & Andrew Ng

Two types Large language Models (LLMs)

→ Base LLM

→ Instruction Tuned LLM → Further fine tuned & trained with Reinforcement learning with Human feed back.

Principles →

- Write clear & specific instructions
- give it time to think

Principle 1 →

- Tactic-1 use delimiters →
  Triple quotes """,
  Triple backtick ```,
  Triple dash ---,
  Angle brackets <>,
  XML tags : <tag>, </tag>
- Tactic 2 – Ask for structured output
- Tactic 3 – Check whether conditions are satisfied
  Check assumptions req. to do the task.
- Tactic 4 – Few-~~shot~~ Prompting
  Give successful example before asking

Principle 2 → Give the model time to think.

Tactic - 1 → Specify the steps to complete a task.

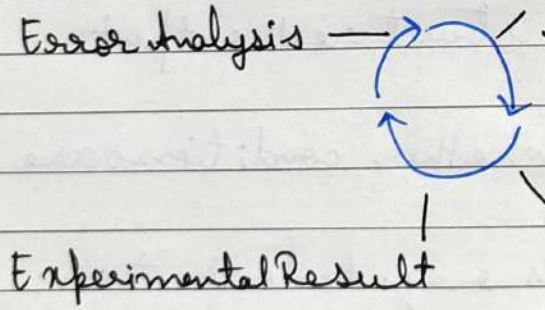
Tactic - 2 → Instruct the model to work out its own solution before rushing to a conclusion.

Model Limitations →

Hallucination → Makes statements that sound plausible but are not true.

Reducing Hallucination → First find relevant info. then answer the question based on the relevant infor.

⇒ Iterative Prompt Development



Prompt guildline

→ Be clear & specific

→ Analyze why result does not give desired output

→ Refine the idea and the prompt.

→ Repeat.

Iterative Process

→ Try something
→ Analyse where the result doesnot give what you want
→ Clarify instructions, give more time to think
→ Refine prompts with a batch of examples.

Summarizing →

Inferring →

Transforming →

Expanding →

} In ipynb's itself.

Temperature → degree of aspiration / random.

more the temp more the Variance

| 0 to 1 |