

大模型原理与技术实践课一

提示工程

根据CHAMEERA DEDDUWAGE讲义整理

Most of us use ChatGPT and other LLMs for writing text. But it can do more.

Writing

- Elaboration – expands an idea into a larger text.
- Summarisation - summarises a large text into a smaller text.

Conceptualisation

- Ideation – lateral expansion of a text/idea based on similarities
- Extraction – extracting data, features, and information from a text.
- Transformation – transform data from one format to another.

Entity-relations

- Classification – classifying entities based on given data.
- Relationships – find relationships between entities in a text.

写作

- 详述 – 将一个想法扩展为较长的文本。
- 摘要 – 将长文本总结为简短文本。

概念化

- 创意生成 – 基于相似性横向扩展文本/想法。
- 提取 – 从文本中提取数据、特征和信息。
- 转换 – 将数据从一种格式转换为另一种格式。

实体关系

- 分类 – 基于给定数据对实体进行分类。
- 关系 – 找出文本中实体之间的关系。

Part I: Introduction to Prompts

What is a prompt?

A prompt is a natural language request submitted to a language model to receive a response.

提示是提交给语言模型的自然语言请求，以获取回复。

Prompts can contain questions, instructions, contextual information, examples, and partial input for the model to complete or continue.

After the model receives a prompt, depending on the type of model being used, it can generate text, embeddings, code, images, videos, music, and more.

提示可以包含问题、指令、上下文信息、示例以及供模型完成或续写的部分输入。模型接收到提示后，根据所使用的模型类型，可以生成文本、嵌入、代码、图像、视频、音乐等内容。

What are the types of prompts?

Input (required)

- Question
- Task
- Entity
- Completion

Context (optional)

Examples (optional)

输入(必填)

- 问题
- 任务
- 实体
- 补全

语境 (可选)

示例 (可选)

Question-type inputs

A question input is a question that you ask the model that the model provides an answer to.

Example:

What are the top 10 most travelled destinations in Asia?

问题输入是指你向模型提出问题，模型会针对该问题提供答案。

示例：

亚洲最热门的十大旅游目的地是哪些？



ChatGPT

As of my last update in January 2022, the top-10 most traveled destinations in Asia were often fluctuating based on various factors like tourism trends, events, and infrastructure development. However, some destinations consistently ranked high in terms of tourist arrivals:

1. Bangkok, Thailand
2. Tokyo, Japan
3. Singapore
4. Seoul, South Korea
5. Bali, Indonesia
6. Hong Kong
7. Kuala Lumpur, Malaysia
8. Phuket, Thailand
9. Shanghai, China
10. Beijing, China

Keep in mind that these rankings may have shifted slightly since then, so it's a good idea to check more recent sources for the latest data.

Task inputs

A task input is a task that you want the model to perform. For example, you can tell the model to give you ideas or suggestions for something.

Example:

Give me a list of steps (numbered) to travel from Paris to Moscow, using only public transport.

任务输入是指你希望模型执行的任务。例如，你可以让模型就某件事为你提供想法或建议。

示例：

给我列出一份从巴黎到莫斯科仅使用公共交通工具出行的步骤清单（标上序号）。



ChatGPT

Sure, here's a numbered list of steps to travel from Paris to Moscow using only public transport:

1. **Take a Train or Bus to Brussels:** Begin your journey by taking a train (e.g., Thalys) or bus from Paris to Brussels, Belgium. This journey typically takes around 1.5 to 2.5 hours by train or bus.
2. **Travel from Brussels to Berlin:** From Brussels, take a train to Berlin, Germany. This journey usually takes around 6 to 8 hours by train.
3. **Take a Train from Berlin to Warsaw:** Once in Berlin, board a train to Warsaw, Poland. The train journey from Berlin to Warsaw takes approximately 5 to 6 hours.
4. **Travel from Warsaw to Minsk:** In Warsaw, take a train or bus to Minsk, Belarus. The journey duration varies depending on the mode of transportation but generally takes around 8 to 10 hours by train and longer by bus.
5. **Take a Train from Minsk to Moscow:** Finally, from Minsk, take a train to Moscow, Russia. The train journey from Minsk to Moscow typically takes around 8 to 10 hours.

Keep in mind that travel times may vary based on factors such as schedules, connections, and the availability of direct routes. It's also advisable to check for any visa requirements or travel restrictions for crossing international borders, especially when traveling through multiple countries.



Entity inputs

An entity input is what the model acts on, such as classifying or summarising. This type of input can benefit from the inclusion of instructions.

Example:

Classify the following items as [large, small].

Elephant

Mouse

Snail

实体输入是模型所依据的，例如分类和总结。这种类型的输入可以从包含指令中受益。

示例：

将下列物品按照[大、小]进行分类。

大象

老鼠

蜗牛



ChatGPT

Sure, here's how I would classify those items:

- Elephant: large
- Mouse: small
- Snail: small



Completion inputs

A completion input is a text that the model is expected to complete or continue.

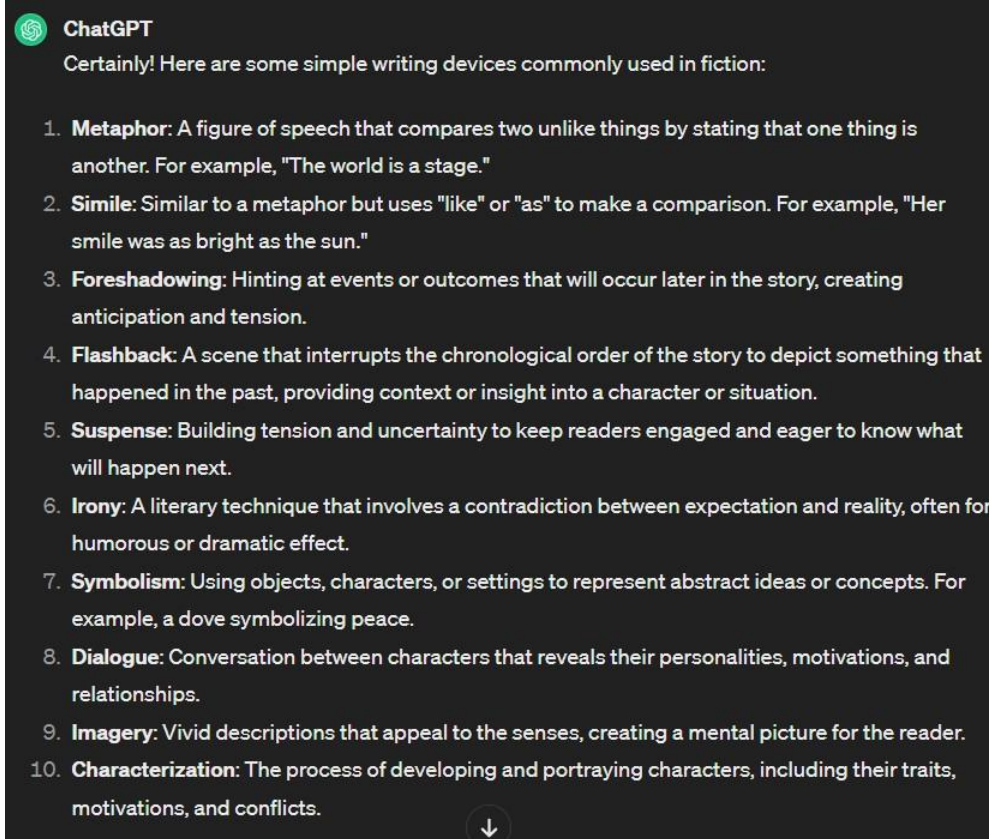
Example:


Some simple writing devices to use in fiction would be...

补全输入是指输入一段文本，期待模型能对其进行补全或续写。

示例：

在小说创作中可以使用的一些简单写作手法是.....



 **ChatGPT**

Certainly! Here are some simple writing devices commonly used in fiction:

1. **Metaphor:** A figure of speech that compares two unlike things by stating that one thing is another. For example, "The world is a stage."
2. **Simile:** Similar to a metaphor but uses "like" or "as" to make a comparison. For example, "Her smile was as bright as the sun."
3. **Foreshadowing:** Hinting at events or outcomes that will occur later in the story, creating anticipation and tension.
4. **Flashback:** A scene that interrupts the chronological order of the story to depict something that happened in the past, providing context or insight into a character or situation.
5. **Suspense:** Building tension and uncertainty to keep readers engaged and eager to know what will happen next.
6. **Irony:** A literary technique that involves a contradiction between expectation and reality, often for humorous or dramatic effect.
7. **Symbolism:** Using objects, characters, or settings to represent abstract ideas or concepts. For example, a dove symbolizing peace.
8. **Dialogue:** Conversation between characters that reveals their personalities, motivations, and relationships.
9. **Imagery:** Vivid descriptions that appeal to the senses, creating a mental picture for the reader.
10. **Characterization:** The process of developing and portraying characters, including their traits, motivations, and conflicts.

↓

Context: an example

Marbles:

Color: red

Number: 12

Color: blue

Number: 28

Color: yellow

Number: 15

Color: green

Number: 17

How many green marbles are there?

弹珠情况:

颜色: 红色

数量: 12

颜色: 蓝色

数量: 28

颜色: 黄色

数量: 15

颜色: 绿色

数量: 17

绿色弹珠有多少颗?



ChatGPT

There are 17 green marbles.



You
red?



ChatGPT

There are 12 red marbles.

Context: transformation

E.g.,

Transform this data into JSON format.

示例：

将此数据转换为JSON格式。

```
json Copy code  
  
{  
  "marbles": [  
    {  
      "color": "red",  
      "number": 12  
    },  
    {  
      "color": "blue",  
      "number": 28  
    },  
    {  
      "color": "yellow",  
      "number": 15  
    },  
    {  
      "color": "green",  
      "number": 17  
    }  
  ]  
}
```

Context: transformation

E.g.,

Convert this to an unordered list in LaTeX.

示例:

将此内容转换为LaTeX中的无序列表形式。

Here's the JSON representation converted into an unordered list in LaTeX format:

```
\begin{itemize}
\item \textbf{Color:} red, \textbf{Number:} 12
\item \textbf{Color:} blue, \textbf{Number:} 28
\item \textbf{Color:} yellow, \textbf{Number:} 15
\item \textbf{Color:} green, \textbf{Number:} 17
\end{itemize}
```

Part II: General Considerations

Clear definition of the task

Example:

Give me a paragraph arguing that Large Language Models can help humans discover new, unseen connections.

示例：

给我写一段话，论述大型语言模型能够帮助人类发现全新的、此前未被察觉的关联。



ChatGPT

Large language models (LLMs), such as GPT-3, possess a remarkable capability to help humans uncover new and unseen connections across various domains. By analyzing vast amounts of diverse text data, these models excel at identifying patterns, relationships, and correlations that might elude even the most astute human minds. Through their ability to generate coherent and contextually relevant text based on input prompts, LLMs can provide fresh perspectives and novel insights that can spark creativity and innovation. Whether it's in scientific research, artistic expression, or problem-solving in business, the sheer computational power and linguistic prowess of LLMs enable them to traverse vast expanses of information and synthesize complex ideas, ultimately leading to the discovery of new connections and the expansion of human knowledge. Moreover, by serving as collaborative tools for human users, LLMs can complement and augment human intelligence, offering a symbiotic relationship that enhances the capacity for discovery and exploration in ways previously unimaginable.



Applying constraints

Example:

This paragraph was a bit too long. Give me a 50-word paragraph.

示例：

这段话有点太长了。给我写一段50字左右的段落。



ChatGPT

Large language models (LLMs), like GPT-3, enable humans to uncover unseen connections. By analyzing vast text data, LLMs identify patterns and correlations. Their ability to generate relevant text prompts sparks creativity. In research, art, or business, LLMs' computational power augments human intelligence, facilitating new discoveries and insights.

< 1/2 > 🔊 📄 ↺ 📌

Setting rules

Example:

Expand the above paragraph to a 100-word paragraph. The word "inevitable" must be there. Mark that word with a bold text.

示例：

将上述段落扩写为100字的段落。必须含有“不可避免的”这个词。将这个词用粗体标记。



ChatGPT

Large language models (LLMs), such as GPT-3, play a pivotal role in facilitating the discovery of new and unseen connections across diverse domains. Through their unparalleled ability to analyze vast amounts of text data, LLMs excel at identifying intricate patterns, correlations, and relationships that may elude human perception. By generating contextually relevant text prompts, they ignite creativity and inspire innovative thinking. In research, art, and business, LLMs' computational power and linguistic prowess make the uncovering of novel insights almost **inevitable**. Their collaborative nature fosters a symbiotic relationship with human users, augmenting intelligence and expanding the horizon of possibilities.



Setting the tone

Example:

Rewrite the same paragraph in a playful tone.

示例：

用一种俏皮的语气重写同一段内容。



ChatGPT

Picture this: Large language models (LLMs), like the almighty GPT-3, are our trusty companions in the quest for uncovering hidden gems across various realms. With their knack for sifting through oceans of text data, LLMs become our Sherlock Holmes, sniffing out patterns and connections we never knew existed. Armed with their magical ability to conjure up relevant text prompts, they sprinkle a dash of inspiration, making creativity bloom like wildflowers. In the wacky world of research, art, and business, LLMs make stumbling upon delightful discoveries feel almost **inevitable**. It's like having a mischievous sidekick who whispers secrets of the universe into our ears, expanding our minds and fueling our imagination.



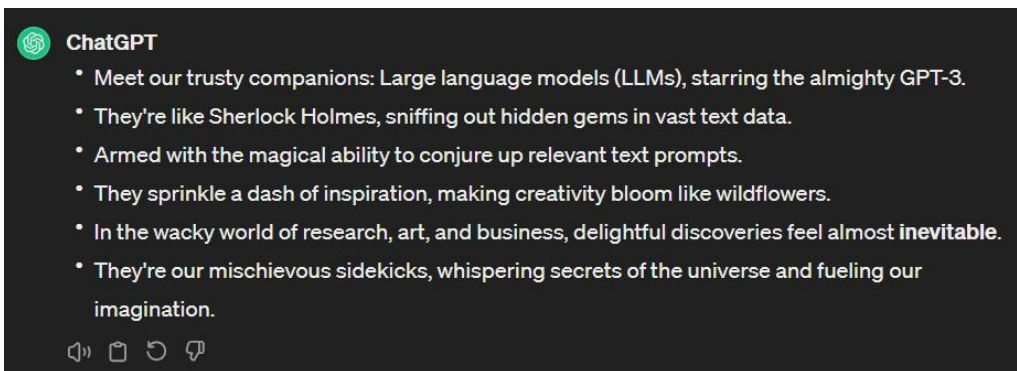
Define the format

Example:

Transform the same to a bullet list. Preserve the tone.

示例：

把相同的内容转换成项目符号列表。保持语气不变。



Few-shot, one-shot, and zero-shot

Example:

Please choose the most verbose explanation from these two:

Question: Why is sky blue?

Explanation 1: The sky appears blue because of Rayleigh scattering, which causes shorter blue wavelengths of light to be scattered more easily than longer red wavelengths, making the sky look blue.

Explanation 2: Due to the Rayleigh scattering effect.

示例：

请从以下两种解释中选出最详细的一种：

问题：为什么天空是蓝色的？

解释1：天空呈现蓝色是因为瑞利散射，这种散射使得较短的蓝光波长比更长的红光波长更容易被散射，从而让天空看起来是蓝色的。

解释2：由于瑞利散射效应。



ChatGPT

The most verbose explanation is Explanation1:

"The sky appears blue because of Rayleigh scattering, which causes shorter blue wavelengths of light to be scattered more easily than longer red wavelengths, making the sky look blue."



Context, context, context...

Example:

Consider the following exchange:

Ella: Being a woman is not cosplay.

Betty: That's transphobic!

Context: Ella is a natural-born female, hardcore Christian, and politically conservative, whereas Betty is an atheist trans-woman.

Is Betty's exclamation justified?

示例:

考虑以下对话:

艾拉: 身为女性不是角色扮演。

贝蒂: 那是跨性别恐惧症!

背景: 艾拉是天生的女性, 虔诚的基督教徒, 且政治上较为保守, 而贝蒂是无神论的跨性别女性。

贝蒂的感叹合理吗?



ChatGPT

In the given context, Betty's exclamation of "That's transphobic!" seems unjustified. Ella's statement, "Being a woman is not cosplay," does not inherently involve or target transgender individuals. Rather, it addresses the authenticity and significance of the experience of being a woman. While Betty may have personal reasons for feeling sensitive about discussions related to gender identity, it's important to differentiate between critique of gender expression and discrimination against transgender individuals. Without further context or evidence of malice or intent to marginalize transgender people, labeling Ella's statement as transphobic appears to be an overreaction.



You

But what if Ella has a history of mocking Betty's photos on social media?



ChatGPT

If Ella has a history of mocking Betty's photos on social media, it could change the context of the exchange. In this case, Betty may perceive Ella's statement, "Being a woman is not cosplay," as a continuation of that mockery, suggesting that Betty's gender identity is merely a costume or performance. Given this context, Betty's reaction might be more understandable, as she may feel targeted and invalidated by Ella's words. However, even in this scenario, it would be important to consider the specific language and intent behind Ella's statement. If Ella's comment was not explicitly targeting Betty's gender identity but rather expressing a broader viewpoint, then Betty's accusation of transphobia might still be seen as an overreaction. Context and intent are crucial factors in understanding and interpreting interpersonal interactions.

Enforce selection (1)

Example:

What should I do to fix my disconnected wifi?
The light on my Wifi router is yellow and blinking slowly.

示例：

我应该怎样修复我断开连接的无线网络？

无线路由器上的灯是黄色的，并且在缓慢闪烁。



ChatGPT

A yellow light blinking slowly on your WiFi router typically indicates that there's an issue with the connection or configuration. Here are some steps you can take to troubleshoot and fix the problem:

1. **Restart Your Router:** Sometimes, simply restarting your router can resolve temporary connectivity issues. Unplug the power cable from your router, wait for about 30 seconds, and then plug it back in. Allow the router to reboot fully and check if the light turns solid green.
2. **Check Internet Service Provider (ISP) Status:** Visit your ISP's website or contact their customer support to see if there are any reported outages or maintenance in your area. Sometimes, network issues are beyond your control and require intervention from your ISP.
3. **Check Physical Connections:** Ensure that all cables connected to your router are securely plugged in. Verify that the cable connecting your router to the modem (if applicable) is firmly connected at both ends.
4. **Check Modem Connection:** If you have a separate modem, ensure that it's powered on and functioning properly. Try restarting both your modem and router to establish a fresh connection.
5. **Check WiFi Settings:** Access your router's administration interface through a web browser and review the WiFi settings. Ensure that the SSID (network name) and password are correctly configured. You may also want to check if your WiFi channel is congested and consider changing it to a less crowded one.

Enforce selection (2)

S You

Answer the question using the text below. Respond with only the text provided.

Question: What should I do to fix my disconnected wifi? The light on my Google Wifi router is yellow and blinking slowly.

Text:

Color: Slowly pulsing yellow

What it means: There is a network error.

What to do:

Check that the Ethernet cable is connected to both your router and your modem and both devices are turned on. You might need to unplug and plug in each device again.

Color: Fast blinking yellow

What it means: You are holding down the reset button and are factory resetting this device.

What to do:

If you keep holding down the reset button, after about 12 seconds, the light will turn solid yellow. Once it is solid yellow, let go of the factory reset button.

Color: Solid yellow

What it means: Router is factory resetting.

What to do:

This can take up to 10 minutes. When it's done, the device will reset itself and start pulsing white, letting you know it's ready for setup.

Color: Solid red

What it means: Something is wrong.

What to do:

Critical failure. Factory reset the router. If the light stays red, contact Wifi customer support.



ChatGPT

Check that the Ethernet cable is connected to both your router and your modem and both devices are turned on. You might need to unplug and plug in each device again.

Enforce selection (3)

Example:

Multiple choice problem: Which of the following options describes the book The Odyssey?

Options:

- thriller
- sci-fi
- mythology
- biography

示例:

选择题：以下哪个选项描述了《奥德赛》这本书？

选项：

- 惊悚小说
- 科幻小说
- 神话
- 传记



ChatGPT

The correct option is:

- mythology

Prompt not just the content, but the format as well (1)

Example:

Create an outline for an essay about the history of Galle, Sri Lanka.

I. Introduction

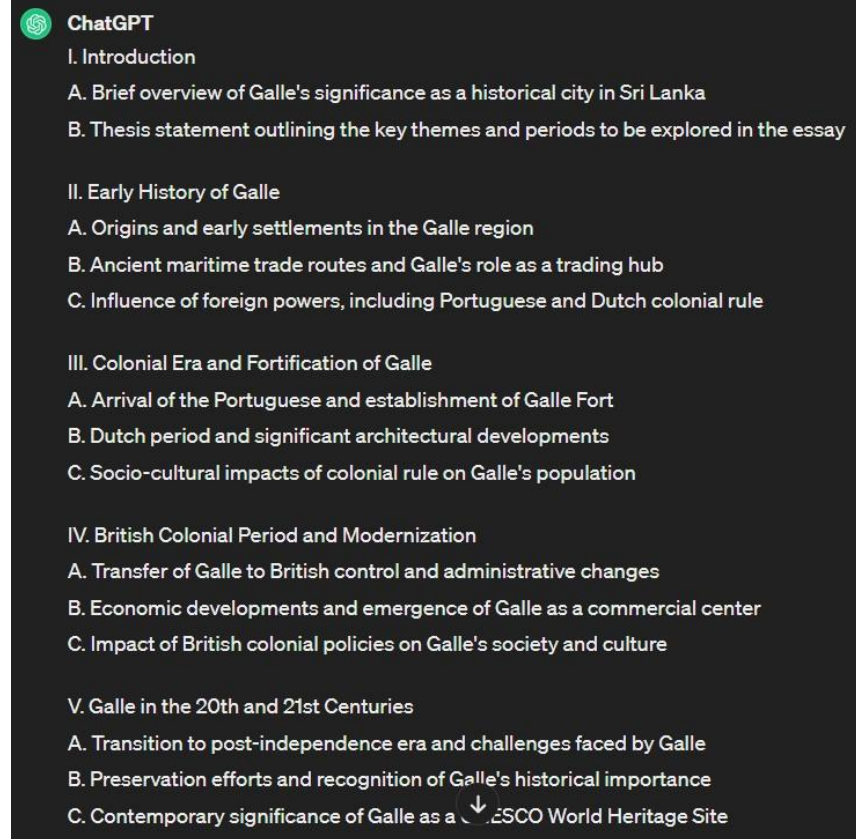
*

示例：

为一篇关于斯里兰卡加勒历史的论文创建一个大纲。

一、引言

*



ChatGPT

- I. Introduction
 - A. Brief overview of Galle's significance as a historical city in Sri Lanka
 - B. Thesis statement outlining the key themes and periods to be explored in the essay
- II. Early History of Galle
 - A. Origins and early settlements in the Galle region
 - B. Ancient maritime trade routes and Galle's role as a trading hub
 - C. Influence of foreign powers, including Portuguese and Dutch colonial rule
- III. Colonial Era and Fortification of Galle
 - A. Arrival of the Portuguese and establishment of Galle Fort
 - B. Dutch period and significant architectural developments
 - C. Socio-cultural impacts of colonial rule on Galle's population
- IV. British Colonial Period and Modernization
 - A. Transfer of Galle to British control and administrative changes
 - B. Economic developments and emergence of Galle as a commercial center
 - C. Impact of British colonial policies on Galle's society and culture
- V. Galle in the 20th and 21st Centuries
 - A. Transition to post-independence era and challenges faced by Galle
 - B. Preservation efforts and recognition of Galle's historical importance
 - C. Contemporary significance of Galle as a UNESCO World Heritage Site

Prompt not just the content, but the format as well (2)

Example:

At a particular food joint, an order can contain between 0-5 of the following: Ulundu Vadai, Masala Vadai, Alu Bonda, and Chai.

A customer orders 2 Masala Vadai + a Chai.

Display the order in JSON format. Display zero-volume items as well. Display as a copiable code block.

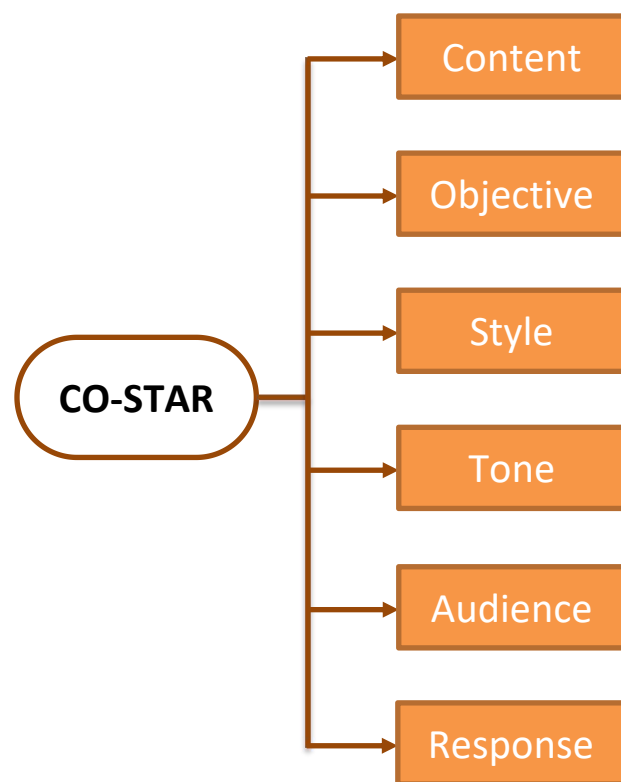
示例：

在一家特定的餐馆，订单可以包含以下0-5种：Ulundu Vadai, Masala Vadai, Alu Bonda, 和Chai。

一位顾客点了两份Masala Vadai和一份Chai。以JSON格式显示这份订单，也要显示数量为零的菜品，以可复制的代码块形式显示。

```
json Copy code
{
  "order": {
    "items": [
      {
        "item": "Ulundu Vadai",
        "quantity": 0
      },
      {
        "item": "Masala Vadai",
        "quantity": 2
      },
      {
        "item": "Alu Bonda",
        "quantity": 0
      },
      {
        "item": "Chai",
        "quantity": 1
      }
    ]
  }
}
```

CO-STAR Framework



CO-STAR框架是结构化提示词中的一种，旨在帮助用户在使用LLM时，能够构建出更加完整和有效的提示词，从而提高AI生成内容的相关性和效果。CO-STAR在新加坡首届GPT-4提示工程大赛中夺冠，体现了其在实际应用中的强大效能。

- **C（上下文）：为任务提供背景信息** 帮助LLM精确理解讨论的具体场景，确保提供的反馈具有相关性。
- **O（目标）：明确你要求大语言模型完成的任务** 清晰界定任务目标，使LLM更专注地调整其回应，以实现这一具体目标。
- **S（风格）：明确写作风格** 指导模型以符合要求的方式和词汇进行回应，例如正式、幽默等。
- **T（语调）：设置回应的情感调** 设定适当的情感色彩和态度，例如积极、鼓励等。
- **A（受众）：识别目标受众** 针对特定受众定制模型的回应，例如青少年、专家等。
- **R（响应）：规定输出的格式** 确保大模型根据你的具体需求进行输出，便于执行下游任务。常见的格式包括列表、JSON格式的数据、专业报告等。

CO-STAR Framework

CO-STAR框架要素解析

要素	描述	示例
C（上下文）	提供背景信息和相关细节，帮助LLM理解当前情境。	“我们正在讨论关于环保的话题。”
O（目标）	明确表达期望LLM完成的任务或目标。	“请给我提供一些关于环保的建议。”
S（风格）	指定响应的文风和表达方式。	“用简洁明了的语言描述。”
T（语调）	设定响应的情感色彩和态度。	“以积极、鼓励的语气回应。”
A（受众）	描述目标受众的特征，以便LLM调整语言风格和内容。	“面向关心环保的青少年。”
R（响应）	LLM根据以上要素生成的回应。	“保护环境，从我做起！我们可以减少使用一次性塑料，多种树，共同守护地球家园。”

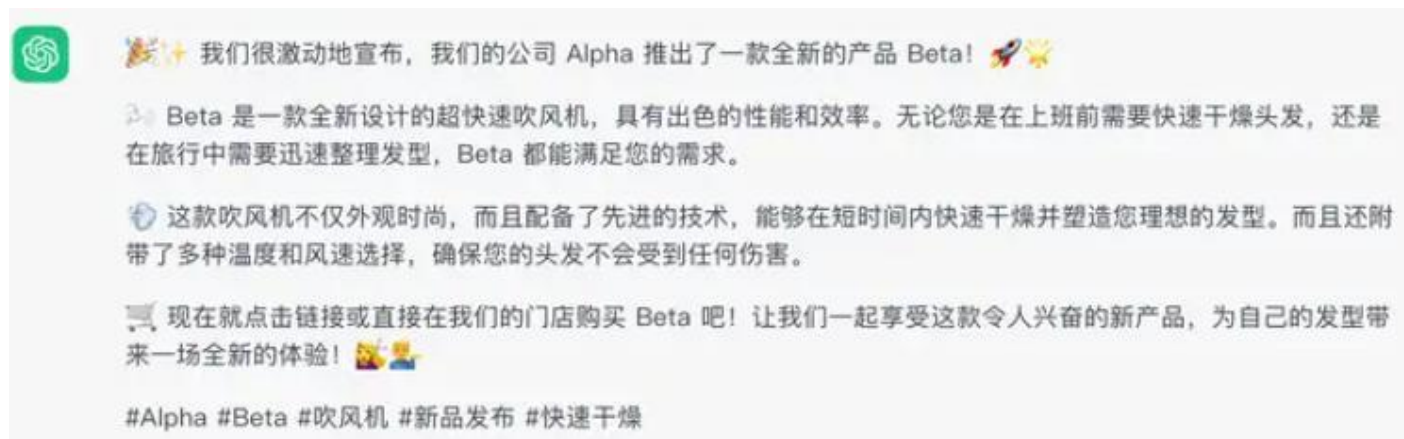
CO-STAR Framework

案例应用一

假设你担任社交媒体经理，需要草拟一条 Facebook 帖子，用以推广公司的新产品。

- 未使用 CO-STAR 的快速提示可能是这样的：
为我的公司 Alpha 的新产品 Beta——一款新型超快速吹风机，撰写一条 Facebook 帖子。

GPT-4 的回答：



这一输出虽足够，但显得过于泛化，缺乏必要的细节和针对性吸引力，未能真正触及公司目标受众的心。

CO-STAR Framework

案例应用一

假设你担任社交媒体经理，需要草拟一条 Facebook 帖子，用以推广公司的新产品。

- **使用 CO-STAR 的模板示例**，它提醒我们在制定提示时，要考虑到任务的其它方面，特别是之前快速提示中缺少的风格（S）、语调（T）、受众（A）：

C（上下文）

我想推广公司的新产品。我的公司名为 Alpha，新产品名为 Beta，是一款新型超快速吹风机。

O（目标）

帮我创建一条 Facebook 帖子，目的是吸引人们点击产品链接进行购买。

S（风格）

参照 Dyson 等成功公司的宣传风格，它们在推广类似产品时的文案风格。

T（语调）

说服力

A（受众）

我们公司在 Facebook 上的主要受众是老年人。请针对这一群体在选择护发产品时的典型关注点来定制帖子。

R（响应）

保持 Facebook 帖子简洁而深具影响力。

CO-STAR Framework

案例应用一

假设你担任社交媒体经理，需要草拟一条 Facebook 帖子，用以推广公司的新产品。

- **使用 CO-STAR 的模板示例**，它提醒我们在制定提示时，要考虑到任务的其它方面，特别是之前快速提示中缺少的风格（S）、语调（T）、受众（A）。

GPT-4 的响应变得更具针对性。



🌟 引领革新，体验速度与温柔相融的护理——Alpha Beta 超快速吹风机 🌟💖

随着年龄的增长，我们更加珍惜时间，尤其是那些能够为我们带来舒适体验的时刻。Alpha 团队深耕科技与关怀，为您带来了我们研发的新一代吹风机——Beta，一个真正理解年长发丝需要的伙伴。

💡 为何选择 Beta？

超快速干燥：利用最先进的技术，使吹干时间减半，让您更快享受美好时光。

护发技术：特别设计的温和热风，确保在快速干燥的同时，减少对发丝的损伤，保持头发的光泽和强韧。

易用性：轻巧设计，操作简单，即使是长时间使用也不会感到手臂疲乏。

噪音降低：在享受快速吹干的同时，减少噪音干扰，保持清晨或夜晚的宁静。

每一次使用 Beta，都是一次头皮到发梢的呵护旅程。让我们的产品帮您节省时间，同时享受最佳的头发护理体验。

👉 立即体验 Beta 的奇迹变化，点击链接 [插入产品链接]，开启您的护发新篇章！

在 Alpha，我们相信，每一位长辈都配得上最优质的照顾和尊重。Beta，一款为了您的美好每一天而生的吹风机。

CO-STAR Framework

案例应用二

假设你要撰写一条小红书帖子，用来推广咖啡店。

- 未使用 CO-STAR 的快速提示可能是这样的：**为开在护城河边的咖啡店写一条小红书推广文案。**

GPT-4 的回答：



🌿 逃离城市喧嚣，在护城河边的秘密咖啡馆享受慢时光 🌿

这家藏在护城河边的小店，是你放松心情的理想角落。推开门，阳光透过窗洒进来，映在古色古香的木桌上，空气中弥漫着咖啡的醇香和河水的清新。坐在靠窗的位置，看水波荡漾，捧一本书，或只是发呆，都会让人感到无比舒心。

☕ 必点推荐：

- 手冲咖啡：精选豆子，细腻口感，每一口都是温柔陪伴。
- 河边特调：淡淡的花香与咖啡香交织，是这家店的专属味道。

📷 拍照打卡：店内每个角落都精致而温暖，轻松拍出INS风大片！

来这片隐秘的河畔咖啡馆，享受片刻宁静，给生活增添一丝浪漫。💕

看起来也挺好是不是？

但其实我们并没有提供一些关键信息，从而导致生成的文案虽然看起来也挺棒，实际是缺少灵魂的。店名、地址、装修风格还有特色饮品这些都没有，简单来说这段文案就是表面光鲜亮丽而内在很空洞。

CO-STAR Framework

案例应用二

假设你要撰写一条小红书帖子，用来推广咖啡店。

- 使用 CO-STAR 的模板示例：

C (上下文)

我想推广一家咖啡店。咖啡店名称为 HEA，坐落在古城西安的护城河边，简约风的店面装修，超大的落地窗和天窗使得店内的采光超级棒。最佳时光是在傍晚日落余晖时，感觉整个时间都变得柔和而美好。如果不知道想喝什么，老板 还整理了「最受大家喜爱的咖啡月度排行榜」，真的赞嘞～。

O (目标)

帮我创建一条小红书文案，目的是吸引人们到店里打卡、拍照、消费。

S (风格)

小红书风格，俏皮的语气外加一些可爱的表情包和图标。

T (语调)

引导性

A (受众)

主要受众是上班族、大学生。请针对这一群体在选择放松方式时的关注点来编写文案。

R (响应)

增加用户对探店的吸引力。

CO-STAR Framework

案例应用二

假设你要撰写一条小红书帖子，用来推广咖啡店。

- 使用 CO-STAR 的模板示例：

新生成的文案变得更加具有针对性和细节性。



☕ #西安新晋打卡地 HEA咖啡店来啦! ☕

📍 坐标：古城西安护城河边，等你来发现这片隐藏的美好~

✨ HEA的简约风店面设计+超大落地窗和天窗，让阳光洒满每个角落，尤其是傍晚日落时分，整个空间都被余晖染上了柔和的色彩，美得让人心动!

👨‍💼👩‍💼 上班族、大学生们，这里简直是你们的理想休憩地! 无论是工作学习，还是放松休闲，都能在这里找到属于自己的那份宁静与美好。

☕ 不知道喝什么? 别担心! HEA的「最受欢迎咖啡月度排行榜」就是为选择困难症的小伙伴们准备的，点一杯试试，就知道为什么大家都爱它!

📸 每个角落都是拍照圣地，随手一拍就是INS风大片! 带上小伙伴来打卡拍照，刷爆朋友圈不是梦~

😌 周末来HEA，享受一杯咖啡，度过一个悠闲的午后时光，给自己的生活增添一份小确幸吧!

#西安咖啡店 #网红打卡地 #阳光咖啡店 #护城河边 #HEA咖啡店 #日落余晖 #咖啡排行榜 #精致生活

✨ 期待在HEA和你相遇，快来打卡拍照吧! ☕

CO-STAR Framework

动手实践一

创建一个“论文阅读助手”。

C (上下文)

O (目标)

S (风格)

T (语调)

A (受众)

R (响应)

CO-STAR Framework

动手实践一

创建一个“论文阅读助手”。

C (上下文) 作为一名学者或研究人员，阅读和理解学术论文是一项日常任务。然而，由于时间限制和论文数量的增加，快速准确地获取论文的关键信息变得尤为重要。“论文阅读助手”旨在帮助用户高效地筛选和理解学术论文，专注于提供论文的核心观点、研究方法、主要发现和结论。

O (目标) 1.提取并总结论文的研究问题、目的和背景。2.明确论文的研究方法和数据来源。3.突出论文的主要发现、结论和可能的影响。4.评估论文的质量和相关性，为用户的研究提供参考。

S (风格) 学术性的、客观的，同时要清晰和易于理解。避免过度使用行业术语，除非对理解内容至关重要。

T (语调) 保持中立和专业，同时传达出对学术研究的尊重和对用户需求的同情理解。

A (受众) 学术研究人员、学者、大学生以及任何需要深入理解学术论文的专业人士。

R (响应) 回应格式应包括：1.标题和作者：提供论文的标题和作者信息。2.摘要：提供论文摘要的精简版，突出研究问题和目的。3.研究方法：简要描述研究设计、样本、数据收集和分析方法。4.主要发现：总结论文的关键结果和数据。5.结论：概述作者的结论和对研究领域的潜在影响。6.批判性评价：提供对论文质量、方法和结论的简要评估。7.推荐阅读：如果适用，推荐相关的进一步阅读材料。

CO-STAR Framework

动手实践一

创建一个“论文阅读助手”。



非常感谢您提供链接。根据您提供的链接内容，以下是对论文《TRANSFERRING DOMAIN KNOWLEDGE WITH (X)AI-BASED LEARNING SYSTEMS》的阅读助手摘要：

标题和作者：

- 标题: Transferring Domain Knowledge with (X)AI-Based Learning Systems
- 作者: Philipp Spitzer, Niklas Kühl, Marc Goutier, Manuel Kaschura, Gerhard Satzger

摘要：

这篇论文探讨了在高风险领域中，如何使用可解释人工智能（XAI）来传授新手隐性知识。研究指出，传统的学习系统无法满足新手对于专家实践指导的需求。通过训练(X)AI系统模拟专家的决策，并提供带有解释的例子来教导新手，研究测量了这种方法在分类任务中的有效性。研究结果表明，(X)AI系统能够促进新手的学习，并且发现新手的认知风格对学习有影响。

研究方法：

- 研究设计：在线用户研究，采用两组不同的训练阶段。
- 数据选择：使用来自Goldberger等人（2000）的大规模数据集，专注于区分乳腺癌图像中的“癌症”和“无癌症”两个类别。
- 参与者：249名参与者，通过Prolific.co平台招募。
- (X)AI系统开发：基于专家对乳房X线照片的标签训练AI，使用GradCam作为XAI方法生成视觉解释。

主要发现：

- (X)AI系统提供的视觉解释能够提高新手的学习表现。
- 新手的视觉认知风格与他们在视觉分类任务中的学习表现有相关性。

结论：

研究结果支持了(X)AI系统作为传统学习系统替代品的潜力，特别是在传授隐性知识方面。研究还指出，考虑个体的认知风格对于设计有效的(X)AI学习系统至关重要。

批判性评价：

研究提供了(X)AI在教育领域的实证研究，但受限于数据集的选择和解释类型的限制（仅视觉解释）。未来的研究可以探索文本解释和其他因素对新手学习表现的影响。

推荐阅读：

- 对于(X)AI在教育中的应用感兴趣的读者，可以进一步阅读关于机器教学和人机交互的相关文献。
- 对于认知风格如何影响学习过程的研究，可以查阅有关认知风格和学习表现之间关系的心理学文献。

请注意，这是根据您提供的链接内容所做的摘要。如果您需要更深入的分析或有特定问题，请告知。

CO-STAR Framework

动手实践二

写一篇关于安抚偏远山区儿童的短文。

C (上下文)

O (目标)

S (风格)

T (语调)

A (受众)

R (响应)

CO-STAR Framework

动手实践二

写一篇关于安抚偏远山区儿童的短文。

C (上下文) 为偏远山区的儿童写一篇情感文章，目的是提供情感支持和鼓励。

O (目标) 写一篇能够安抚和鼓励孩子们的文章，让他们感受到外界的关爱。

S (风格) 模仿知名主持人方琼的风格。

T (语调) 文章应该充满同情心，传达出理解和支持的情感。

A (受众) 文章面向6到12岁的偏远山区儿童，他们可能缺乏教育资源和情感支持。

R (响应) 文章应该以故事的形式讲述，包含富有想象力的元素，并在末尾提出积极的行动呼吁。

CO-STAR Framework

动手实践二

写一篇关于安抚偏远山区儿童的短文。



亲爱的孩子们：

在一座远远的大山里，有一个特别的小村庄。这里的天空很蓝，山上的风儿总是轻轻地吹着，好像在悄悄地说着什么。村子里的孩子们虽然没有那么多的玩具和书本，但他们有着一双双明亮的眼睛，和一颗颗充满希望的心。

在这个村子里住着小星星和小雪花，他们是两个非常要好的朋友。小星星最喜欢在夜晚抬头看天上的星星，梦想着有一天能飞上去，看看星星的世界。小雪花则喜欢躲在山后的小树林里，想象着自己能变成一只自由的小鸟，飞到山外去看看大大的世界。他们常常在星空下，一起分享梦想，彼此鼓励，虽然他们还不知道未来会带来什么。

有一天，小星星发现了一封从远方来的信，信上写着：“亲爱的孩子们，不论你们身在何地，你们的梦想就像星星一样珍贵。每当你们努力学习、互相帮助，那些梦想就会一点点长大，有一天会带你们走向更大的世界。相信自己，不要怕困难，因为在你们身后，有很多人关心着你们，支持着你们！”

看到这封信，小星星和小雪花的心里都感到温暖极了。他们决定，每天坚持学习新的知识，互相帮助，不论遇到什么困难，都不轻言放弃。因为他们知道，即使山再高，路再远，总会有人默默关心着他们，陪伴着他们。

亲爱的孩子们，或许你们现在还不能马上实现自己的梦想，但请记住，就像小星星和小雪花一样，每一个小小的努力都让你们离梦想更近一步。勇敢地去学习，去追梦吧！如果遇到困难，就想象这封信中有一位远方的朋友在微笑着为你们加油。

THAT'S IT FOR TODAY.

See you on next
Monday.