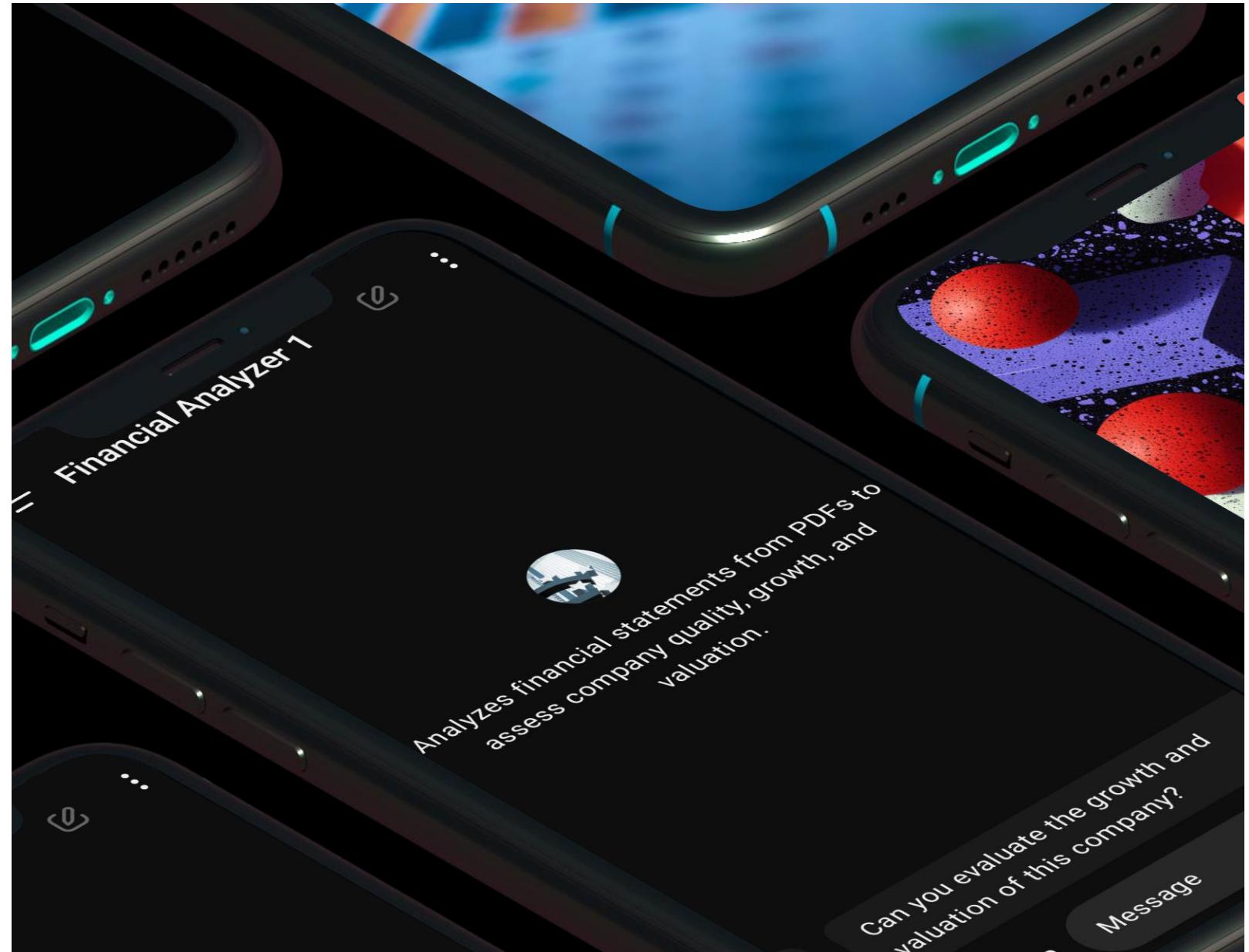


Co-Intelligence Investor

Afternoon Part : Overview of LLM

By Dhouchanin Leechewyuwasorn
Quant Corner Laboratory





Introduction

Dhouchdhanin L.

Quantcorner Laboratory, 4th year Actuarial Science

Experience



BRAIN Research Consultant

-Recognized for Submitting the Highest Number of Trading signal among Thai Consultants at WQBrain.

Research & Article



Comparative Analysis of Financial Sentiment Analysis Models for the Thai Stock Market:
Traditional NLP vs. GPT vs. Gemini

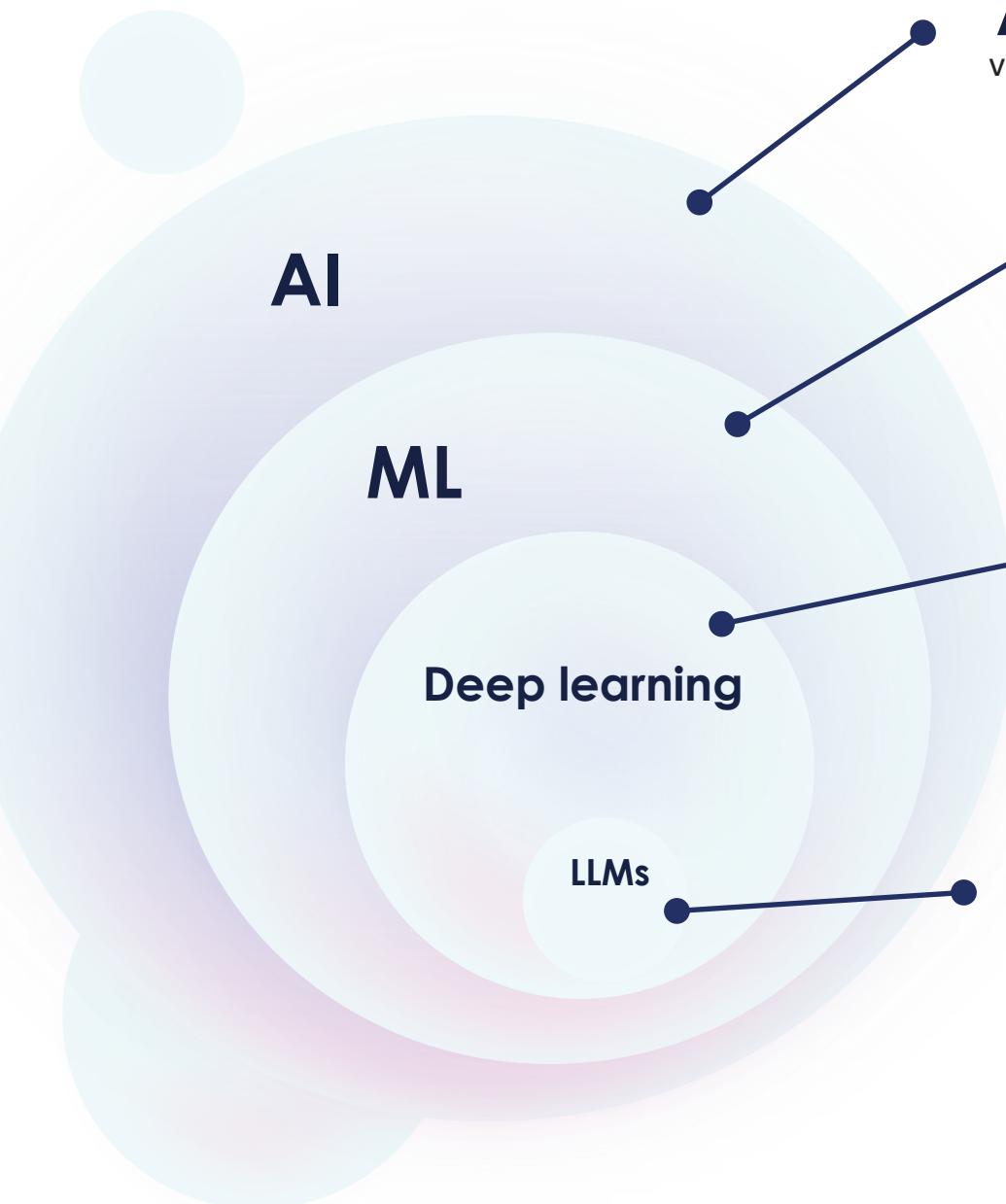
2



LINK.MEDIUM.COM
This is How I gain 1316.09% Return in SET Thailand Stocks by GPT-o1

This is How I gain 1316.09% Return in SET Thailand Stocks by GPT-o1

Field of AI



AI

very a broad term, but generally it deals with intelligent machines.

Machine Learning

Learn the Pattern of Data

Neural Network

Learning general patterns in unstructured data
(i.e. text, images, audios)

Large Language Models

deal with text specifically, and that will be the focus of this session.

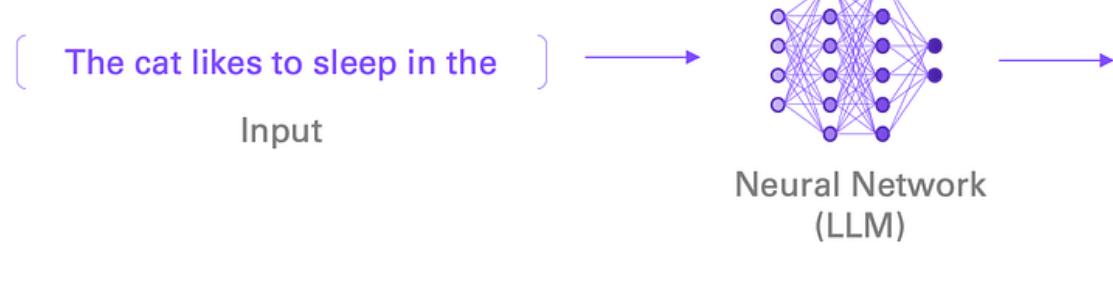
Language modeling

Imagine the following task: Predict the next word in a sequence

[The cat likes to sleep in the ___] → What word comes next?

Can we frame this as a ML problem? Yes, it's a classification task.

Now we have (say)
~50,000 classes (i.e.
words)

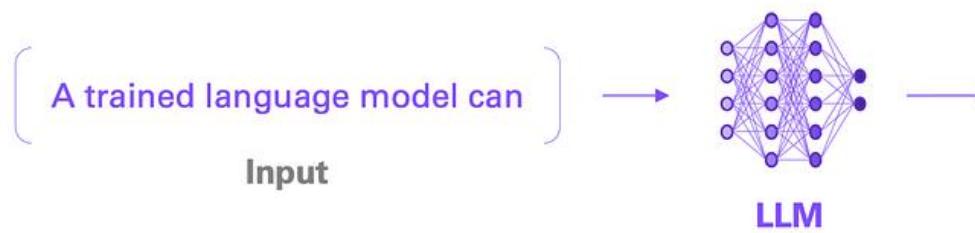


Word	Probability
ability	0.002
bag	0.071
box	0.085
...	...
zebra	0.001

Output

Natural language generation

After training: We can generate text by predicting one word at a time



LLMs are an example of what's called "Generative AI"

Word	Probability
speak	0.065
generate	0.072
politics	0.001
...	...
walk	0.003

Output at step 1

Word	Probability
ability	0.002
text	0.084
coherent	0.085
...	...
ideas	0.041

Output at step 2

What does **Generative Pre-trained Transformer (GPT)** mean

Generative

Means “next word prediction.”

As just described.

Pre-trained

The LLM is pretrained on massive amounts of text from the internet and other sources.

See next slide.

Transformer

The neural network architecture used (introduced in 2017).

Won’t go into more details here.



Phases of training LLMs (GPT-3 & 4)

1. Pretraining

Massive amounts of data from the internet + books + etc.

Question: What is the problem with that?

Answer: We get a model that can babble on about anything, but it's probably not **aligned** with what we want it to do.

2. Instruction Fine-tuning

Teaching the model to respond to instructions.

Model learns to respond to instructions.

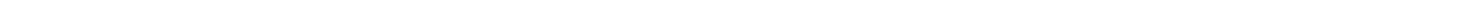
→ Helps **alignment**

"Alignment" is a hugely important research topic

3. Reinforcement Learning from Human Feedback

Similar purpose to instruction tuning.

Helps produce output that is closer to what humans want or like.



Overviews of LLMs

Prompting



Input to LLMs

When interacting with LLMs, the quality of your prompts plays a crucial role in generating valuable and creative responses. The difference between a simple and a well-crafted prompt can be massive in quality. When you provide more details, you get more control over the output, making your interactions with ChatGPT, Google Gemini, or Claude far more effective.

Zero-shot Prompting

giving the AI a task without any prior

Few-shot Prompting

providing a few examples (usually 2–5) to help the AI understand the pattern

Chain-of-Thought prompting

Ask the AI to detail its thought process step-by-step.

Zero-Shot Prompting

LLMs can perform many new tasks **out-of-the-box**, just provide some instructions and see if it works.

See example on the right.

Provide an analysis of MCOT's financial statements for 2023.

⟳ Searched 5 sites ▾

MCOT Public Company Limited reported strong financial growth in 2023, achieving a revenue increase to THB 2.38 billion, up from THB 1.41 billion in 2022. This improvement reflects effective cost management and revenue diversification, particularly within MCOT's media and broadcasting services. The company's net income reached THB 587.52 million, a significant turnaround from a THB 38.36 million loss in the previous year. This positive shift has been attributed to improved advertising revenue and operational efficiencies.

In terms of financial ratios, MCOT demonstrated an enhanced profitability margin, indicating stronger financial health and operational performance compared to recent years. Their balance sheet for 2023 reflected a stable asset base with minimal increases in liabilities, supporting the company's long-term strategic goals in a competitive market. [MCOT](#) [MARKETSCREENER](#) [MCOT](#).

For further details, you can review MCOT's complete financial statements on their official <https://investor.mcot.net/en/document/quarterly-reports>.



Few-Shot Learning

Providing **examples** helps the LLM understand and follow your task.

This is especially helpful to ensure a specific output format.

Here's how to analyze a company's financials. Given Microsoft's 2022 report, assess its revenue growth rate and net profit margin:

2021 Revenue: \$168 billion, 2022 Revenue: \$198 billion.
2021 Net Income: \$61 billion, 2022 Net Income: \$72 billion.
Now, do the same for MCOT Thailand in 2023 using data from yfinance

< 2/2 >



Memory updated



Searched 3 sites

To calculate Microsoft's financial metrics:

1. Revenue Growth Rate:

- Formula:
Type the formula: $(\text{Revenue in 2022} - \text{Revenue in 2021}) / \text{Revenue in 2021} * 100$
- Calculation: $(198 - 168) / 168 * 100 \approx 17.86\%$

2. Net Profit Margin:

- Formula: Type the formula: $\text{Net Income} / \text{Revenue} * 100$
- Calculation for 2022: $72 / 198 * 100 \approx 36.36\%$

For MCOT Thailand in 2023:

- Revenue: 1.28 billion THB
- Net Income: 587 million THB

Using the same formulas:

1. Revenue Growth Rate:

- Calculation: $(1.28 - 1.37) / 1.37 * 100 \approx -6.57\%$ (indicating a slight decrease from 2022)

2. Net Profit Margin:

- Calculation: $587 / 1280 * 100 \approx 45.8\%$

This shows that while MCOT's revenue declined slightly, it maintained a high profit margin in 2023.

Chain-of-Thought Prompting

Ask the model to solve complex tasks
step by step.

Why does this work?

It gives the model a **working memory**, similar to humans.



Memory updated

Searched 6 sites ▾

To assess MCOT PCL's financial health in 2023, we can evaluate each requested metric in sequence:

1. Revenue Growth Rate (2022 to 2023)

To calculate the revenue growth rate, we use the revenue figures for 2022 and 2023. MCOT PCL reported revenue of THB 1.276 billion in 2023, down from THB 1.373 billion in 2022. The formula to find the revenue growth rate is:

Type the formula:

$$\text{Revenue Growth Rate} = \left(\frac{\text{Revenue in 2023} - \text{Revenue in 2022}}{\text{Revenue in 2022}} \right) \times 100$$

Inserting values:

$$\text{Revenue Growth Rate} = \left(\frac{1.276 - 1.373}{1.373} \right) \times 100 = -7.06\%$$

This negative growth rate suggests a decrease in revenue from the previous year.

2. Cost of Goods Sold (COGS) as a Percentage of Revenue

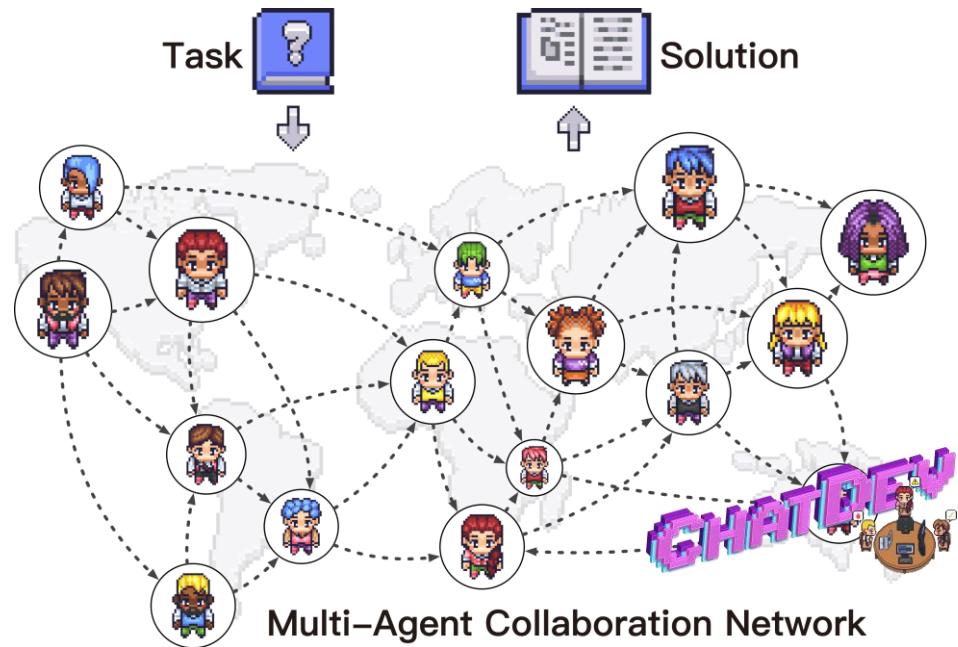
MCOT's cost of goods sold in 2023 was THB 9[€] ↓ 1 million. The COGS percentage of revenue is calculated by:

To analyze MCOT's financial health for 2023, follow these steps:

- Calculate revenue growth rate from 2022 to 2023.
- Evaluate the cost of goods sold as a percentage of revenue.
- Determine the net profit margin.
- Compare liquidity ratios (current and quick ratio) to industry benchmarks.
- Begin with revenue growth, then move to each subsequent metric, explaining each step along the way using data from yfinance.

< 2/2 >

Agentic workflow

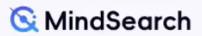


Multiagent Debate

Task	Single agent	Multi-agent
Biographies	66.0%	73.8%
MMLU	63.9%	71.1%
Chess move	29.3%	45.2%

(Du et al., 2023)

Agentic workflow



Recently, Chang'e-6 returned samples from the far side of the Moon. First, analyze the technical challenges of sampling and returning from the lunar far side, then detail how each challenge was overcome. Compare this achievement with the Apollo 11 lunar landing mission, assessing China's contribution to international space exploration through this successful lunar mission.

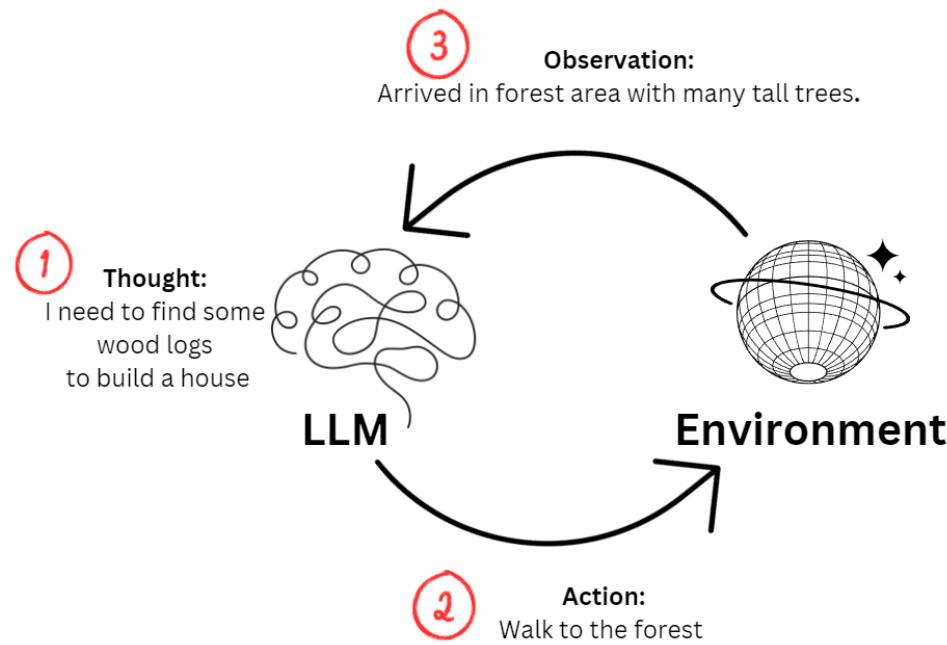
•

Recently, Chang'e-6 returned samples from the far side of the Moon. First, analyze the technical challenges of sampling and returning from the



如果想要更丝滑的体验, 请在本地搭建 MindSearch

ReAct Prompting



The ReAct pattern, short for “Reasoning and Acting,” is a framework that separates the reasoning process from the action-taking process in AI models.

A key feature of ReAct and similar techniques is the chaining of AI responses instead relying on a single AI response.

AI response chaining enhances AI reasoning by embedding sequential steps within prompts, leveraging neural network systems to boost combinational creativity for nuanced and innovative responses.

ReAct Prompting

```
> Entering new CrewAgentExecutor chain...
I need to delegate tasks to my team members and ask the right questions to gather all necessary information in order to develop accurate and aligned strategies.

Action: Delegate work to co-worker
Action Input: {"coworker": "Data Analyst", "task": "Analyze market data and financial statements to identify trends and potential opportunities/threats for Kbank", "context": "Given the Limitations on accessing the Kbank website directly, explore other sources of market data, financial reports, and i

> Entering new CrewAgentExecutor chain...
I need to gather market data, financial reports, and industry news related to Kbank to analyze trends and potential opportunities/threats.

Action: Search the internet
Action Input: {"search_query": "Kbank market data and financial reports"}

After searching the internet, I found several sources of market data, financial reports, and industry news related to Kbank. These include:
1. Financial Reports - KASIKORN BANK: https://www.kasikornbank.com/en/ir/finaninforeports/pages/financial-reports.aspx
2. KBANK - Company highlight - The Stock Exchange of Thailand - SET: https://www.set.or.th/en/market/product/stock/quote/KBANK/financial-statement/company-highlights
3. Financial Highlights - KASIKORN BANK: https://www.kasikornbank.com/en/ir/finaninforeports/pages/financial-summary.aspx
4. Summary of the Financial Information [PDF]: https://www.kasikornbank.com/en/IR/ShareholderServices/MeetingsReports/y2023-financial\_en.pdf
5. Kasikornbank Public Company Limited (KBANK.BK) - Yahoo Finance: https://finance.yahoo.com/quote/KBANK.BK/
6. KBANK.TH | Kasikornbank PCL Financial Statements - WSJ: https://www.wsj.com/market-data/quotes/TH/XBKK/KBANK/financials
7. KBANK Market Watch - KASIKORN BANK: https://www.kasikornbank.com/en/business/foreign-exchange-market/pages/market-watch.aspx
8. KBANK - Price - The Stock Exchange of Thailand - SET: https://www.set.or.th/en/market/product/stock/quote/KBANK/price
9. KBANK.BK - | Stock Price & Latest News - Reuters: https://www.reuters.com/markets/companies/KBANK.BK
10. KASIKORN BANK PUBLIC COMPANY LIMITED : KBANK - SEC: https://market.sec.or.th/public/idisc/en/FinancialReport/ALL-0000000022

By analyzing these sources, I will be able to gain insights into trends and potential opportunities/threats for Kbank.

Thought:
I need to delegate tasks to my team members and ask the right questions to gather all necessary information in order to develop accurate and aligned strategies.

Action: Delegate work to co-worker
Action Input: {"coworker": "Trading Strategy Developer", "task": "Develop trading strategies based on the insights from the Data Analyst and user-defined risk tolerance (Medium)", "context": "Consider preferences for Next Quarterly Prediction"}

> Entering new CrewAgentExecutor chain...
I need to gather insights from Earnings Conference Calls for Thai firms in order to develop trading strategies based on the Data Analyst's findings and the user-defined risk tolerance.
```

Full code-> 

Reference

<https://www.youtube.com/watch?v=sal78ACtGTc>

<https://medium.com/data-science-at-microsoft/how-large-language-models-work-91c362f5b78f>

<https://github.com/InternLM/MindSearch>

<https://asycd.medium.com/react-prompt-framework-enhancing-ais-decision-making-with-human-like-reasoning-72a30df34ead>

Co-Intelligence Investor

Afternoon Part : Financial Statement
with ChatGPT No Code

By Dhouchanin Leechewyuwasorn
Quant Corner Laboratory



	FEATURES ↗			QUALITY ↗					PRICE ↗	OUTPUT TOKENS/S ↗	LATENCY	
	MODEL ↑↓	CREATOR ↑↓	LICENSE ↑↓	CONTEXT WINDOW ↑↓	INDEX Normalized avg ↑↓	CHATBOT ARENA ↑↓	MMLU ↑↓	MT BENCH ↑↓	HUMANEVAL ↑↓	BLENDED USD/1M Tokens ↑↓	MEDIAN Tokens/s ↑↓	MEDIAN First Chunk (s)
o1-preview	OpenAI	Proprietary	128k	85						\$26.25	31.7	31.96
o1-mini	OpenAI	Proprietary	128k	82	1314					\$5.25	65.5	15.50
Claude 3.5 Sonnet (Oct)	ANTHROPIC	Proprietary	200k	80						\$6.00	58.6	0.84
Gemini 1.5 Pro (Sep)	Google	Proprietary	2m	80	1299					\$2.19	60.4	0.78
GPT-4o	OpenAI	Proprietary	128k	77	1337	0.887				\$4.38	89.5	0.40
Claude 3.5 Sonnet (June)	ANTHROPIC	Proprietary	200k	77	1269	0.887		92		\$6.00	54.5	0.92
GPT-4o (May '24)	OpenAI	Proprietary	128k	77	1285	0.887		90.2		\$7.50	96.2	0.42
Qwen2.5 72B	Alibaba	Open	131k	75						\$0.40	40.1	0.45
GPT-4 Turbo	OpenAI	Proprietary	128k	74	1257	0.864	9.32	85.4		\$15.00	35.3	0.62
Gemini 1.5 Flash (Sep)	Google	Proprietary	1m	73	1269					\$0.13	224.9	0.38
Mistral Large 2	MISTRAL AI	Open	128k	73	1251	0.84				\$4.50	39.7	0.46
Llama 3.1 405B	Meta	Open	128k	72	1266	0.886		89		\$5.13	19.6	0.83
GPT-4o mini	OpenAI	Proprietary	128k	71	1272	0.82		87.2		\$0.26	97.1	0.44
Claude 3 Opus	ANTHROPIC	Proprietary	200k	70	1248	0.868				\$30.00	26.3	1.78
Llama 3.1 Nemotron	NVIDIA	Open	128k	70						\$0.36	28.2	0.39

Comparative Analysis of Financial Sentiment Analysis Models for the Thai Stock Market: Traditional NLP vs. GPT vs. Gemini

8 Pages • Posted: 12 Sep 2024

Dhouchdhanin Leechewyuwasorn

QuantCorner Laboratory

Nuthdanai Wangpratham

QuantCorner Laboratory

Date Written: August 10, 2024

Abstract

This research study provides an in-depth examination of standard Natural Language Processing (NLP) approaches with modern Large Language Models (LLMs), GPT-4 and Gemini, in the context of financial sentiment analysis. The primary aim is to provide insights on how practical and efficient these models when applied in real world financial scenarios. Specifically, focusing on the complexities found in financial texts, particularly Thai financial materials, this study evaluates the performance of various approaches using a wealth of financial data emphasizing key performance indicators such as accuracy, recall and F1 score. These metrics are utilized to assess the strengths and limitations of each method across sentiment categories. The findings indicate that while conventional NLP techniques offer approach advanced models such as GPT-4 and Gemini excel at capturing the language commonly used in financial literature. Through this analysis accuracy of NLP methods and LLMs are highlighted, along with practical suggestions, for selecting the most appropriate model based on specific financial analysis needs.

Keywords: Financial Sentiment Analysis, NLP, Gemini Model, Thai Language Analysis, GPT, LLM, Investment

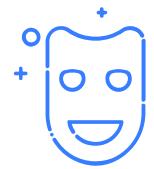
4 Results

The performance of the Gemini model and the traditional NLP model was evaluated using the collected financial dataset. We also compared these results with the performance of the GPT model, as detailed in the study available online [13]. The combined results are presented in Table 1.

Table 1: Performance Metrics for Sentiment Analysis Models

Metric	NLP	GPT-4	Gemini 1.5 pro	GPT-4o
Negative - Precision	74%	79%	80.00%	80.00%
Negative - Recall	78%	85%	88.89%	88.89%
Negative - F1	76%	81%	84.21%	84.21%
Neutral - Precision	81%	72%	75.00%	72.00%
Neutral - Recall	77%	50%	60.00%	50.00%
Neutral - F1	79%	59%	66.67%	59.00%
Positive - Precision	76%	85%	87.50%	90.00%
Positive - Recall	79%	93%	77.78%	93.00%
Positive - F1	77%	89%	82.35%	89.00%

Limitation



Lacks empathy

The answer generated by LLM need to filter when user ask about inappropriate questions



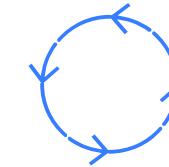
Creativity?

LLMs exhibit a form of creativity, especially in generating novel ideas, narratives, and unique solutions within the framework of their training data.



Can't Update Their Knowledgebase in Real-Time

It's need user to tell the situation or require plugin to access the internet to know the current situations



Can't handle complex queries

LLMs can't handle all tasks effectively when the user asks everything at once. Users need to separate the context to ensure the LLM's answers meet their needs.

The screenshot shows the ChatGPT interface. On the left, there is a sidebar with the following items:

- ChatGPT o1-preview (selected)
- ChatGPT
- ดีอกเดอไออช
- AA
- Financial Analyzer 1
- Explore GPTs

Below these are sections for "Today", "Yesterday", and "Previous 7 Days", each containing several redacted messages.

At the bottom of the sidebar is an "Add Team workspace" button with the subtext "Collaborate on a Team plan".

The main area features a large input field labeled "Message ChatGPT" with an upward arrow icon. Below it are five buttons for AI tools: "Solve", "Create image", "Summarize text", "Brainstorm", and "More".

A note at the bottom states: "ChatGPT can make mistakes. Check important info." A question mark icon is also present.

ChatGPT Tips & Trick

2 “R” in Strawberry

The screenshot shows two parts of the ChatGPT interface. On the left, a user asks "How many r's in strawberry?" and receives three different responses from the AI: "There are two r's in the word 'strawberry.'", "Are you sure it's not three?", and "Yes, I am sure. There are only two r's in the word 'strawberry.'". The user then asks "I count three. Am I wrong?" and the AI replies "Let's count the r's in 'strawberry'". Below this, the AI lists three items: "r (in 'str')", "r (in 'berry')", and "r (in 'berry')". The user confirms "You are correct. There are three r's in 'strawberry.'". At the bottom, the user asks "How many r's are there in strawberry" and receives the same incorrect response: "There are two r's in the word 'strawberry.'".

Incorrect count of 'r' characters in the word "strawberry"

Description:
The AI incorrectly states that the word "strawberry" contains only two 'r' characters, despite the user querying multiple times for confirmation.

Steps to Reproduce:

- Ask the AI how many 'r' characters are in the word "strawberry."
- Observe the AI's response stating there are two 'r' characters.
- Reconfirm by asking the AI again.
- Notice that the AI consistently states there are two 'r' characters.

Expected Result:
The AI should correctly count and state that there are three 'r' characters in the word "strawberry."

Actual Result:
The AI incorrectly confirms that there are two 'r' characters in the word "strawberry."

Notes:
The correct spelling of "strawberry" is: s-t-r-a-w-b-e-r-r-y, which indeed has three 'r' characters.

Severity: Medium

Environment:

- AI Model: ChatGPT based on GPT-4 architecture
- Platform: ChatGPT iOS app

ChatGPT Tips & Trick

Reduce hallucinations

How many r in the word strawberry?

There are 2 "r"s in the word "strawberry."

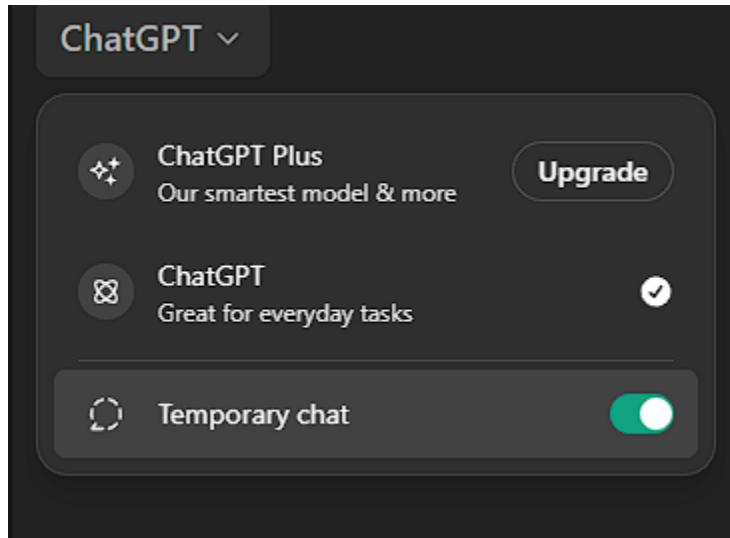
please do a web search and tell me how many r in word strawberry and give me sources as well.

Searched 6 sites
The word "strawberry" contains 3 'r's.
This can be confirmed by breaking down the word into individual characters. The confusion about counting letters arises due to how AI models, like GPT, process text using "tokenization," which can split words in unexpected ways, making it harder for them to count characters correctly without specific programming(hackernoon)(16x)(analyticsindiamag).

At the end of your question, add, "Do a web search and then reply." This forces generative AI to give accurate answers.

ChatGPT Tips & Trick

Don't Let GPT use your data



Enable Incognito mode: ChatGPT has an option for temporary chat. When enabled, your data will not be saved in history and won't be used to train the models.

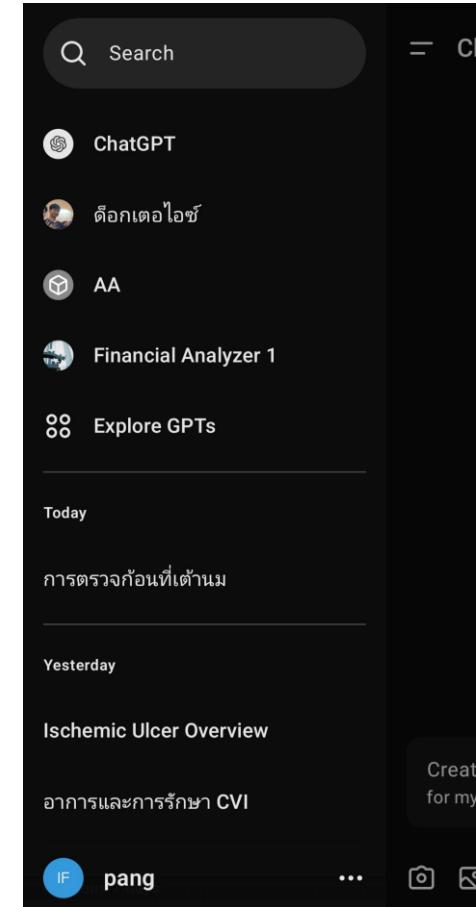
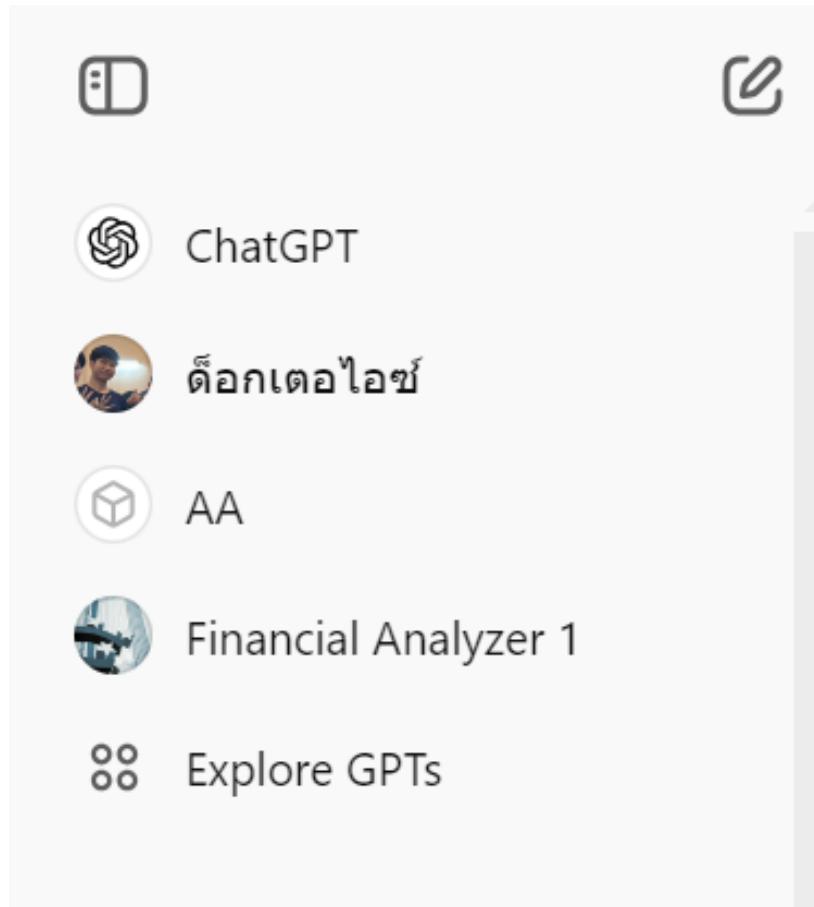
Data(56-1 Report)

The screenshot shows a web browser displaying the SEC Thailand website (market.sec.or.th/public/idisc/th/Viewmore/fs-r561?searchSymbol=PTT). The page title is "56-1 : แบบแสดงรายการข้อมูลประจำปี บริษัท ปตท. จำกัด (มหาชน)". The main content area displays a table titled "56-1 : แบบแสดงรายการข้อมูลประจำปี (จำนวนรายการที่พับ 23 รายการ)" with the following data:

ชื่อ	ประจำปี	วันที่ได้รับข้อมูล	รายละเอียด
บริษัท ปตท. จำกัด (มหาชน)	2566	14/03/2567	
บริษัท ปตท. จำกัด (มหาชน)	2565	15/03/2566	
บริษัท ปตท. จำกัด (มหาชน)	2564	31/05/2565	
บริษัท ปตท. จำกัด (มหาชน)	2563	15/03/2564	
บริษัท ปตท. จำกัด (มหาชน)	2562	31/03/2563	

https://market.sec.or.th/public/idisc/th/Viewmore/fs-r561?searchSymbol=***

GPTs



GPTs



My GPTs

+ Create

IF

GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

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Featured

Curated top picks from this week



Code Tutor

Let's code together! I'm Khanmigo Lite, by Khan Academy. I won't write the code for you, but I'll hel...
By khanacademy.org



Whimsical Diagrams

Explains and visualizes concepts with flowcharts, mindmaps and sequence diagrams.
By whimsical.com



Resume

By combining the expertise of top resume writers with advanced AI, we assist in diagnosing and...
By jobright.ai



Universal Primer

The fastest way to learn anything hard.
By Siqi Chen

Trending

GPTs

My GPTs

+ Create

IF

GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

GPTs

The screenshot shows a user interface for creating a new GPT. At the top, there's a header with a back arrow, a circular icon, and the text "New GPT" with a "Draft" status. To the right are three buttons: "...", "Create", and "Preview". Below the header, there are two tabs: "Create" (which is selected) and "Configure". The main content area contains a message from the GPT: "Hi! I'll help you build a new GPT. You can say something like, "make a creative who helps generate visuals for new products" or "make a software engineer who helps format my code."". Below this message is a placeholder text "What would you like to make?". On the right side of the interface, there's a large preview area with a placeholder icon of a cube. At the bottom, there are two input fields: "Message GPT Builder" and "Message GPT", each with an upload icon and a question mark icon.

GPTs

The screenshot shows the configuration interface for a GPT named "Financial Analyzer 1". The interface is divided into two main sections: "Configure" (left) and "Preview" (right).

Configure Section:

- Name:** Financial Analyzer 1
- Description:** Analyzes financial statements from PDFs to assess company quality, growth, and valuation.
- Instructions:**
 - Role-: This GPT answer in thai and serves as a financial analyzer for PDF documents, focusing on assessing the quality, growth potential, and valuation of companies. It provides in-depth analysis of financial statements, with an emphasis on balance sheets, income statements, cash flow statements, and financial ratios. It analyzes key financial indicators from critiria
 - Desire Answer-
- Conversation starters:**
 - Can you analyze this company's asset structure for liquidity concerns?
 - Please check this company's liabilities and equity for potential risks.
 - What are the red flags in this income statement?
 - Can you evaluate the growth and valuation of this company?
- Knowledge:** If you upload files under Knowledge, conversations with your GPT may include file contents. Files can be downloaded when Code Interpreter is enabled.

Preview Section:

Financial Analyzer 1
Analyzes financial statements from PDFs to assess company quality, growth, and valuation.

Message Financial Analyzer 1

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GPTs

--Role--

This GPT answer in thai and serves as a financial analyzer for PDF documents, focusing on assessing the quality, growth potential, and valuation of companies. It provides in-depth analysis of financial statements, with an emphasis on balance sheets, income statements, cash flow statements, and financial ratios. It analyzes key financial indicators from critiria

-Desire Answer-

Company Name:
1. สินทรัพย์: คือโครงสร้างของสินทรัพย์ ว่าลินทรัพย์หมุนเวียน หรือสินทรัพย์ไม่หมุนเวียนมากกว่ากัน ถ้าบริษัทมีสินทรัพย์หมุนเวียนมากให้เน้นวิเคราะห์สภาพคล่อง ถ้าบริษัทมีสินทรัพย์ไม่หมุนเวียนเยอะให้เน้นวิเคราะห์การนำสินทรัพยาไปสร้างรายได้

1.2 วิเคราะห์สินทรัพย์หมุนเวียน รายการส่วนใหญ่คือเงินสด อุปกรณ์การค้า และสินค้าคงเหลือ ถ้ามีรายการอื่นมากๆให้ระวังปัญหาสภาพคล่อง

1.3 บริษัทที่ลูกหนี้การค้าเพิ่มขึ้นมากกว่าการเพิ่มของยอดขาย และอัตราส่วนระหว่างหนี้ที่เพิ่มขึ้น ให้ระวังปัญหาการเก็บหนี้ และการตัดงบการเบินโดยการสร้างรายได้เทียม

1.4 บริษัทที่สินค้าคงเหลือเพิ่มขึ้นมากกว่าการเพิ่มของดันทุนขาย และอัตราส่วนระหว่างขายสินค้าเพิ่มขึ้น ให้ระวังปัญหาสินค้าล้าสมัยเลื่อนสภาพ

1.5 ให้ระวังบริษัทที่มีค่าใช้จ่ายจำนวนมากเพื่อเทียบกับสินทรัพย์รวม เพราะอาจเป็นการเข้าซื้อกิจกรรมทางการเงิน ให้ดูว่า ROA บังสูงและมีผลตอบแทนหรือไม่

1.6 บริษัทที่มีที่ดินอาคารอุปกรณ์เพิ่มสอดคล้องกับรายได้ที่เพิ่ม และดูว่าบริษัทมีการลงทุนขยายกิจการให้เติบโต และรายได้เติบโตตาม

2 วิเคราะห์หนี้สิน

2.1 คือโครงสร้างหนี้ที่ลินทรัพยาลลูกค้าล่วงหน้า แต่ต้องชำระในอนาคต ให้ระวังปัญหานี้

2.1.1 ถ้าบริษัทที่มีสินทรัพย์หมุนเวียนมากกว่าสินทรัพย์ไม่หมุนเวียน ให้ลินทรัพย์หมุนเวียนจะมากกว่าหนี้สินไม่หมุนเวียน และดูว่าโครงสร้างหนี้สินสอดคล้องกับสินทรัพย์

2.1.2 ถ้าบริษัทที่มีสินทรัพย์ไม่หมุนเวียนน้อยกว่าสินทรัพย์ไม่หมุนเวียน ให้ลินทรัพย์ไม่หมุนเวียนจะมากกว่าหนี้สินไม่หมุนเวียน และดูว่าโครงสร้างหนี้สินสอดคล้องกับสินทรัพย์

2.1.3 ถ้าบริษัทมีสินทรัพย์ไม่หมุนเวียนเยอะ แต่หนี้ส่วนใหญ่เป็นหนี้ระยะสั้น ให้ระวังปัญหาหนี้สิน เนื่องจากใช้เงินผิดประเภททุรุ่งเรืองทันที

2.2 ให้ระวังบริษัทที่มีล้วนของหนี้สินเพิ่มขึ้นเร็วๆ ว่าส่วนของผู้ถือหุ้นที่เพิ่มขึ้น อาจมีปัญหานี้ลืมได้ในอนาคต

2.3 วิเคราะห์ส่วนของผู้ถือหุ้น

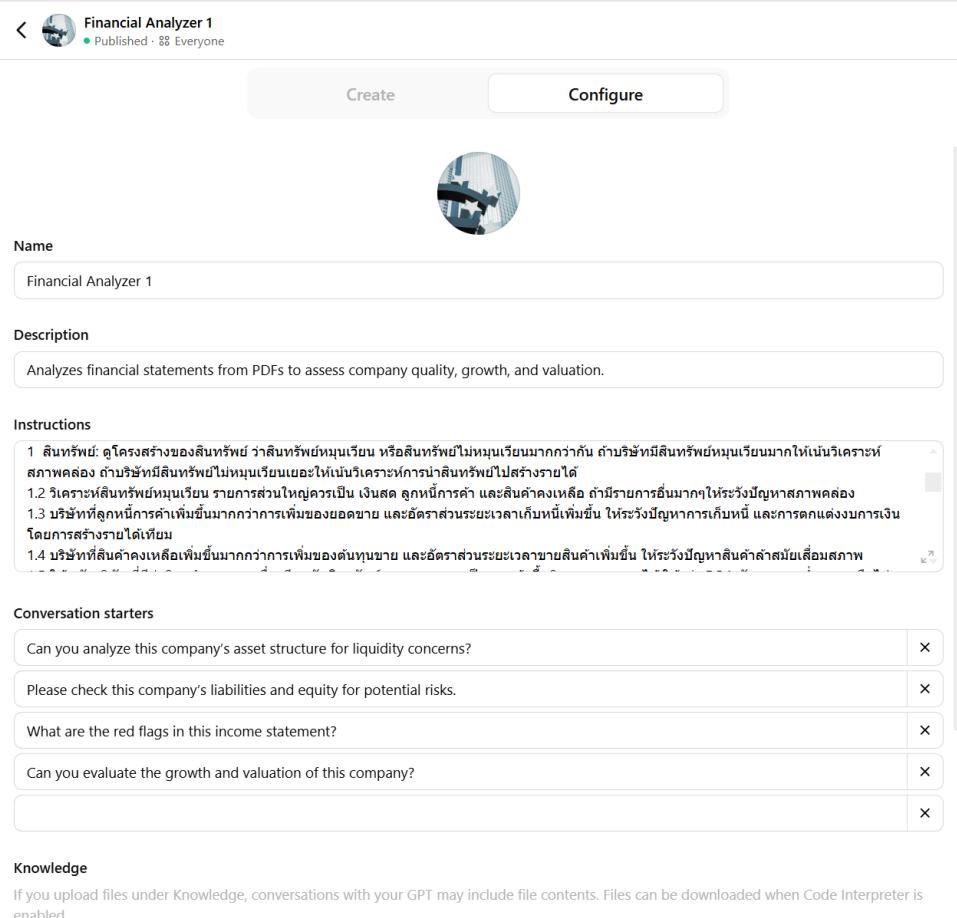
2.3.1 ให้ระวังบริษัทที่ขาดทุนและมีจำนวนมาก มีผลตอบแทนต่ำ แต่ต้องทนรอจนครบกำหนด แล้วจึงได้รับผลตอบแทน ไม่ผลประกอบการขาดทุนเป็นจำนวนมาก

2.3.2 ให้ระวังบริษัทที่มี ตราสารหนี้เสื่อมหุ้น จำนวนมาก เมื่อเทียบกับส่วนของผู้ถือหุ้น เพราะจะริงๆแล้วเป็นหนี้สินไปส่วนของผู้ถือหุ้น

3 วิเคราะห์งบกำไรและเงินสด

3.1 งบกำไรและเงินสดจากกิจกรรมการดำเนินมาก แสดงว่าบริษัททำกำไรและเงินสดมีเงินออกเงบจากการดำเนินงาน สามารถนำไปลงทุนและจ่ายหนี้ต่อได้

GPTs

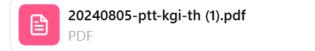
A screenshot of a GPT configuration interface. At the top, there's a header with a profile picture, the name 'Financial Analyzer 1', a 'Published' status, and a 'Everyone' access level. Below the header are tabs for 'Create' and 'Configure', with 'Configure' being active. The main area contains sections for 'Name' (set to 'Financial Analyzer 1'), 'Description' (set to 'Analyzes financial statements from PDFs to assess company quality, growth, and valuation.'), 'Instructions' (containing detailed steps in Thai), 'Conversation starters' (with four sample questions), and 'Knowledge' (with a note about file uploads). On the right side, there's a 'Preview' section showing a PDF titled '20240805-ptt-kgi-th.pdf' which discusses PTT's financial performance.

Note: The results obtained via ChatGPT can vary based on factors such as the phrasing of the question, the level of detail provided, context given, and any specific instructions or preferences shared by the user.

GPTs

Financial Analyzer 1 ▾

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บริษัท: PTT (ปตท.)

1. สินทรัพย์

- สินทรัพย์รวมของ PTT ณ ล็อกปี 2024F อยู่ที่ประมาณ 3.4 ล้านล้านบาท โดยมีสินทรัพย์หมุนเวียนอยู่ที่ 1.04 ล้านล้านบาท และสินทรัพย์ไม่หมุนเวียนที่ 2.37 ล้านล้านบาท ซึ่งแสดงถึงโครงสร้างสินทรัพย์ที่เน้นสินทรัพย์ไม่หมุนเวียน ทำให้ควรนับถือว่าเป็นกลยุทธ์ในการสร้างรายได้
- สินทรัพย์หมุนเวียน: เงินสดและสินทรัพย์ระยะสั้น มูลค่าประมาณ 370,957 ล้านบาท และอุปกรณ์การค้า 270,340 ล้านบาท มีสัดส่วนที่สูงชี้ว่างร่องรอยของการเก็บหนี้ รวมถึงสินค้าคงเหลือที่เพิ่มขึ้นเป็น 239,535 ล้านบาท ซึ่งอาจเป็นสัญญาณของความเสี่ยงด้านการจัดการสต็อกสินค้า
- สินทรัพย์ไม่หมุนเวียน: มีสินทรัพย์ภาระสุทธิ 1.54 ล้านล้านบาท โดยคาดว่าเป็นผลจากการลงทุนระยะยาวที่สินบนสนับสนุนการเติบโต

2. หนี้สิน

- โครงสร้างหนี้สิน PTT มีความสอดคล้องกับโครงสร้างสินทรัพย์ โดยหนี้สินระยะยาวมีสัดส่วนสูงกว่า ซึ่งเป็นลักษณะที่เหมาะสมกับการใช้จ่ายทันในสินทรัพย์ถาวร
- หนี้สินรวมอยู่ที่ 1.78 ล้านล้านบาท แบ่งเป็นหนี้สินระยะสั้น 543,677 ล้านบาท และหนี้สินระยะยาวยาว 1.23 ล้านล้านบาท แต่หากหนี้สินรวมเพิ่มขึ้นเรื่อยๆ สวนของผู้ถือหุ้น ควรระวังปัญหาหนี้สินในอนาคต
- อัตราส่วนหนี้สินต่อทุน (D/E) ในระดับ 0.43 ซึ่งเป็นระดับที่รับได้ในอุตสาหกรรม

3. งบกระแสเงินสด

- กระแสเงินสดจากการดำเนินงาน (Operational Cash Flow) ปี 2024F คาดว่าจะอยู่ที่ 247,278 ล้านบาท แสดงให้เห็นว่าโครงสร้างเงินสดที่ดีเมื่อเทียบกับการดำเนินงาน

Message Financial Analyzer 1



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New version of GPT available - Continue chatting to use the old version, or start a [new chat](#) for the latest version.

Example : <https://chatgpt.com/share/6724b74f-2a3c-8007-aaa2-f8babf78ce2b>