AI FOR STOCK RECOMMENDATION SYSTEMS

Thai stock market has been relatively sluggish and lacks clear direction, causing uncertainty for many investors in selecting high-potential stocks. To address this, we have developed a stock analysis tools to designed to monitor, analyze, and select interesting stocks in the Thai market with accuracy and efficiency.
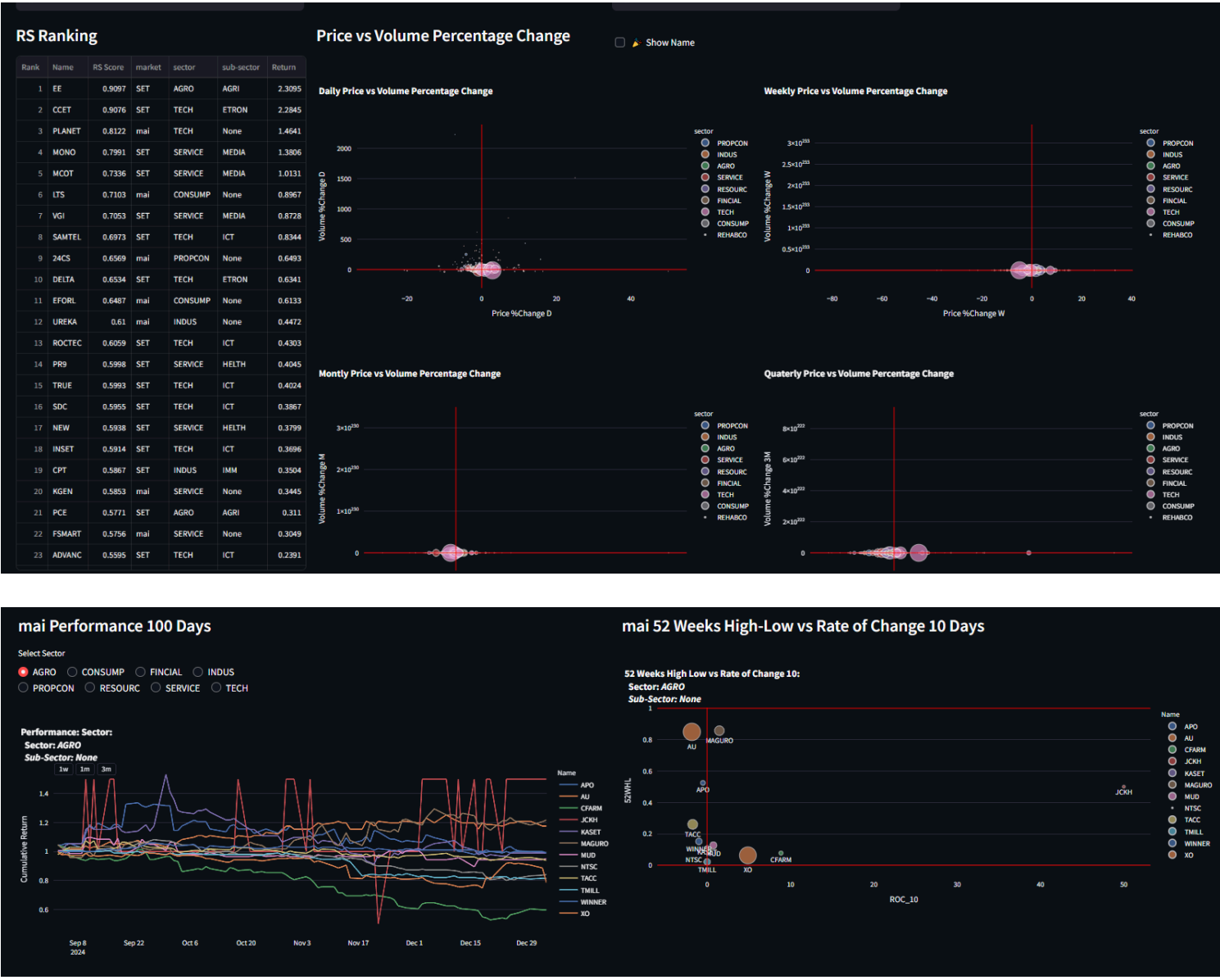
This Tool would be an assistant capable of processing data to identify trends and hidden opportunities in various stocks, helping investors make well-informed and confident decisions.
Our goal is to create a tool that makes investing in the Thai stock market easier and more rewarding.

1. ISSUES AND MOTIVATION

Investors face difficulties analyzing large volumes of data and making timely decisions in volatile markets. Traditional methods are prone to bias and inefficiency. AI addresses these issues by automating analysis and providing accurate, real-time stock recommendations **by using price, volume, and market cap to analyze the market.**
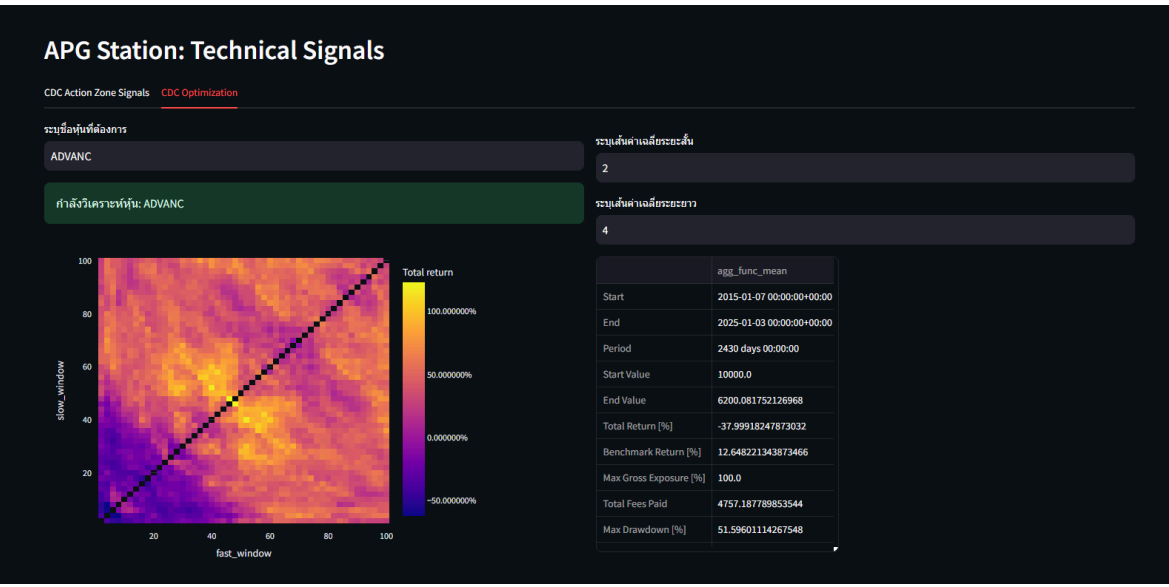
TECHICAL SIGNALS

CDC optimization for technical signal analysis, using a **heatmap to display total returns** from different moving average combinations. Each point represents a pair of moving average periods, with higher values indicating better performance. The goal is to identify the combination that maximizes returns, guiding users to the most profitable settings.

CDC is a strategy that uses the crossover between short-term and long-term moving averages. When the short-term average crosses above the long-term average, it generates a buy signal.

Portfolio Performance for ADVANC
This visualization tracks portfolio performance for ADVANC with an initial cash of 10,000 THB. It highlights stock price movements, buy/sell actions, profit/loss trades, and cumulative returns compared to the benchmark.

2. FEATURES AND FUNCTIONS
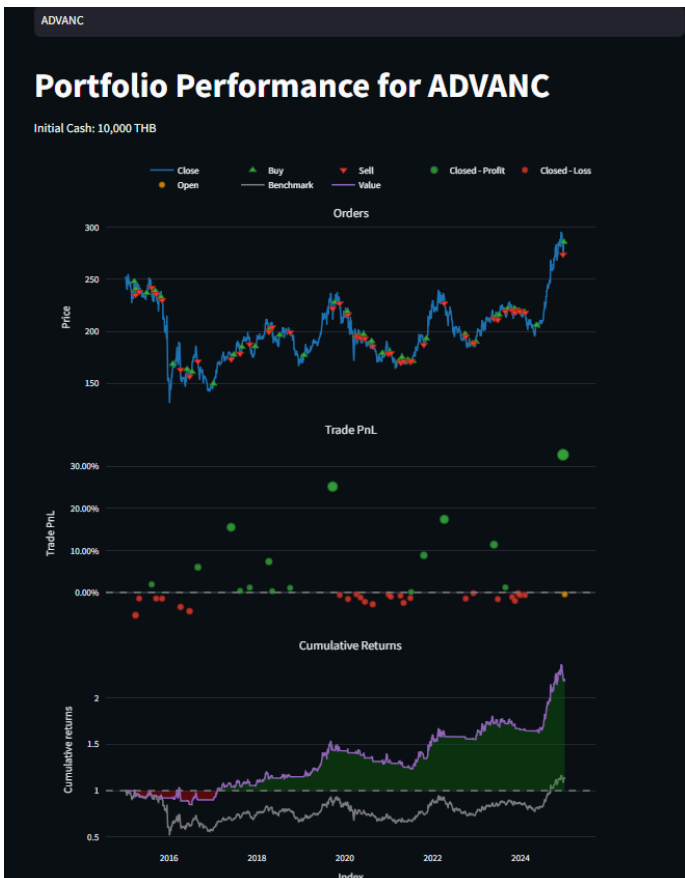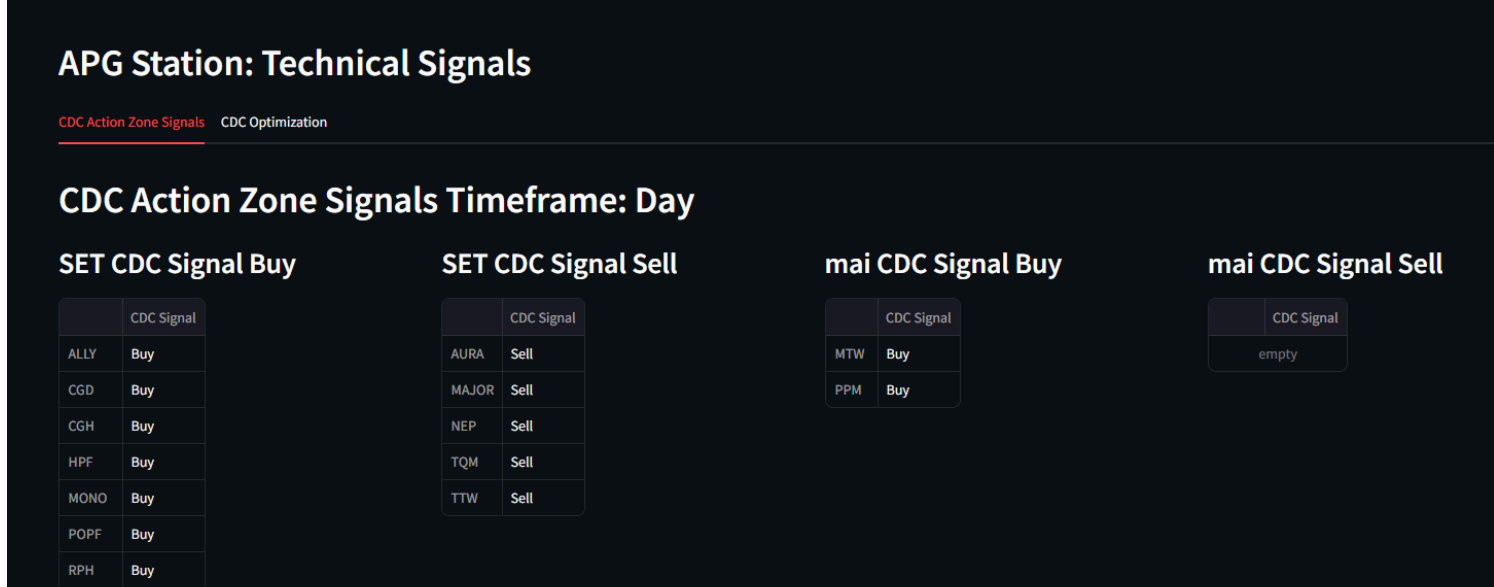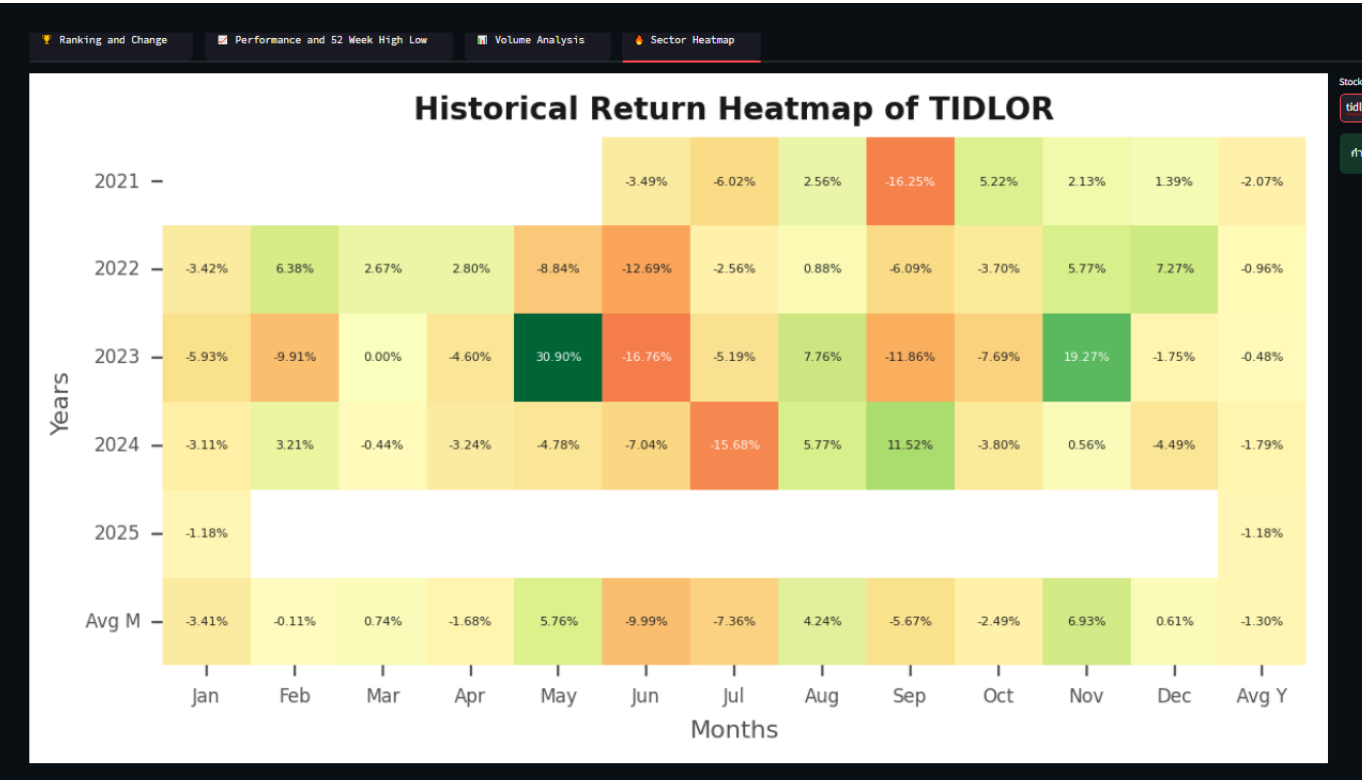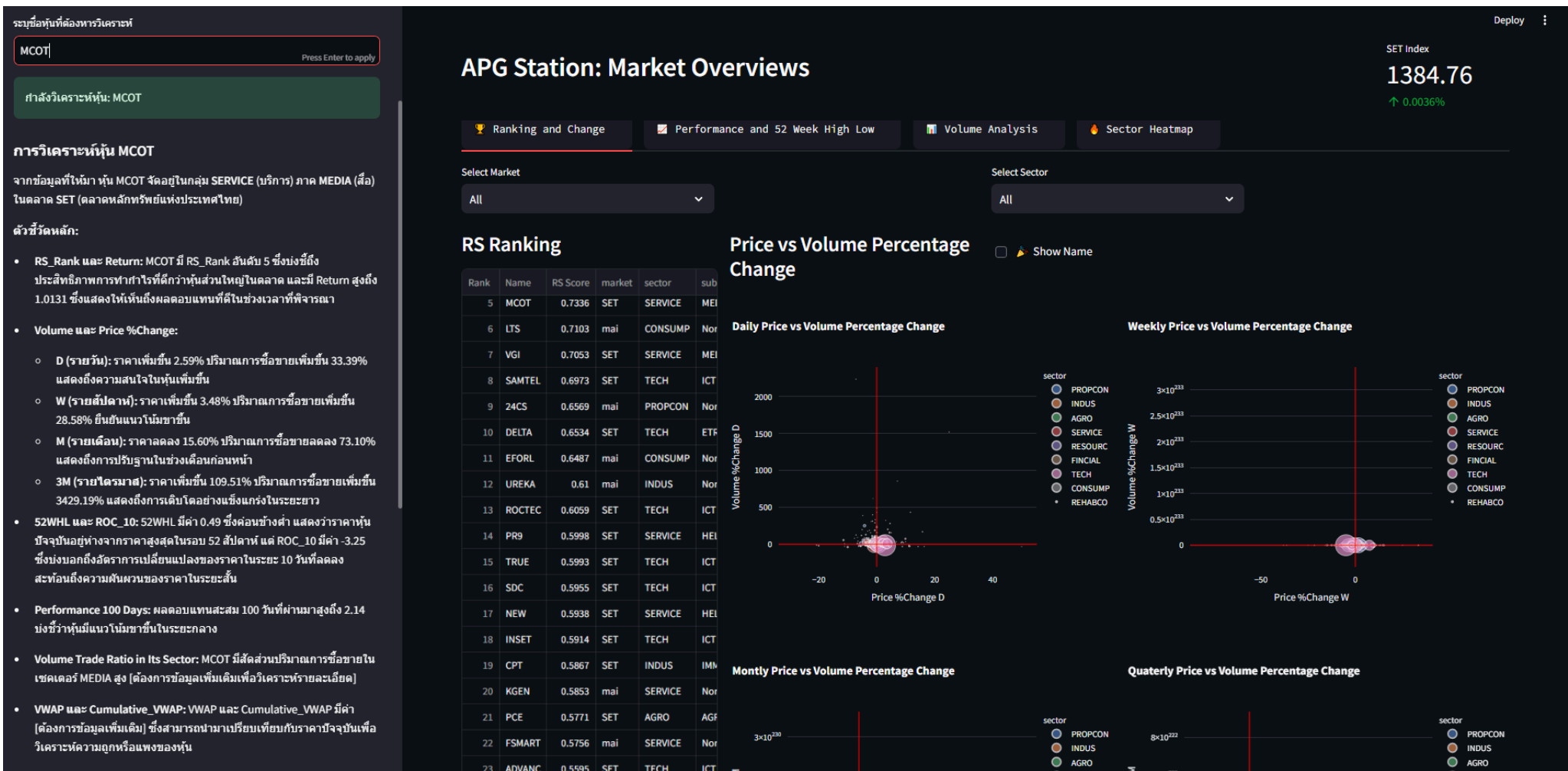
MARKET OVERVIEW

- RS Ranking – reflects which stocks in the market currently have the strongest price performance.
- Price vs Volume Percentage Change – Shows changes in different time frames like 1 day, 1 week, 1 month, or a quarter.

Dashboard for analyzing stock trading volume dashboard highlights sector-wise trading volumes (e.g., AGRO, FINANCIAL, TECH), showcasing sectors with high activity. Users can explore individual stocks within active sectors for detailed analysis. It helps investors identify trends and prioritize stocks for informed investment decisions.

This is a **heatmap showing the historical returns of stocks.** You can select different stocks to see which periods show good performance or are worth buying, based on average returns for each month and year. It makes it easier to analyze investment trends.

AI ADD-ON

This **AI tools that we've set prompt,** allowing users to simply type the stock name. The system will automatically summarize insights from the existing market overview, providing a quick and easy understanding of the stock's status and trends.

RS RANKING สะท้อนถึงหุ้นทั้งตลาดว่าราคาใคร
กำลังแข็งแกร่งที่สุด
DONE

พี่เกม อย่าเปลี่ยนสี หนูดูPANTONE มาแล้ว

พี่ใช้ PANTENE ผมนุ่มสลวยมั้ยยย

ทำดีย์แทร่
เดะพี่ไปเขียน **PROMPT** ใหม่วันจันทร์เดะเสร็จแล้วเรามาเปลี่ยนภาพ **AI** นะ 5555

อาริกาโต๊

PRAEW SAID : อ่อ

ANYWHERE WRONG ANOTHER WELL
มีจุดไหนงงอีกบ่อ

บอกเลยว่า 3 ห่าน

5555555

ช่ายเส้นไหน **IS THE BEST OF THE PAST
OF RETURN OF THE STOCK OF THE
SET OF THAILAND**

HEATMAP เอาไว้ดูคู่เส้นค่าเฉลี่ยที่ดีที่สุด
ของ **CDC**

ขอ ฮีทแมพอีกทีค่ะ มันทำไมนะ ไอตรง
APG

CDC is a strategy that uses the crossover
between short-term and long-term moving
averages. When the short-term average
crosses above the long-term average, it
generates a buy signal.

YOU ALREADY KNOWN แล้วว่า **CDC**
คือ เส้นสั้นกับเส้นยาวตัดกัน แล้วเส้นไหน **IS
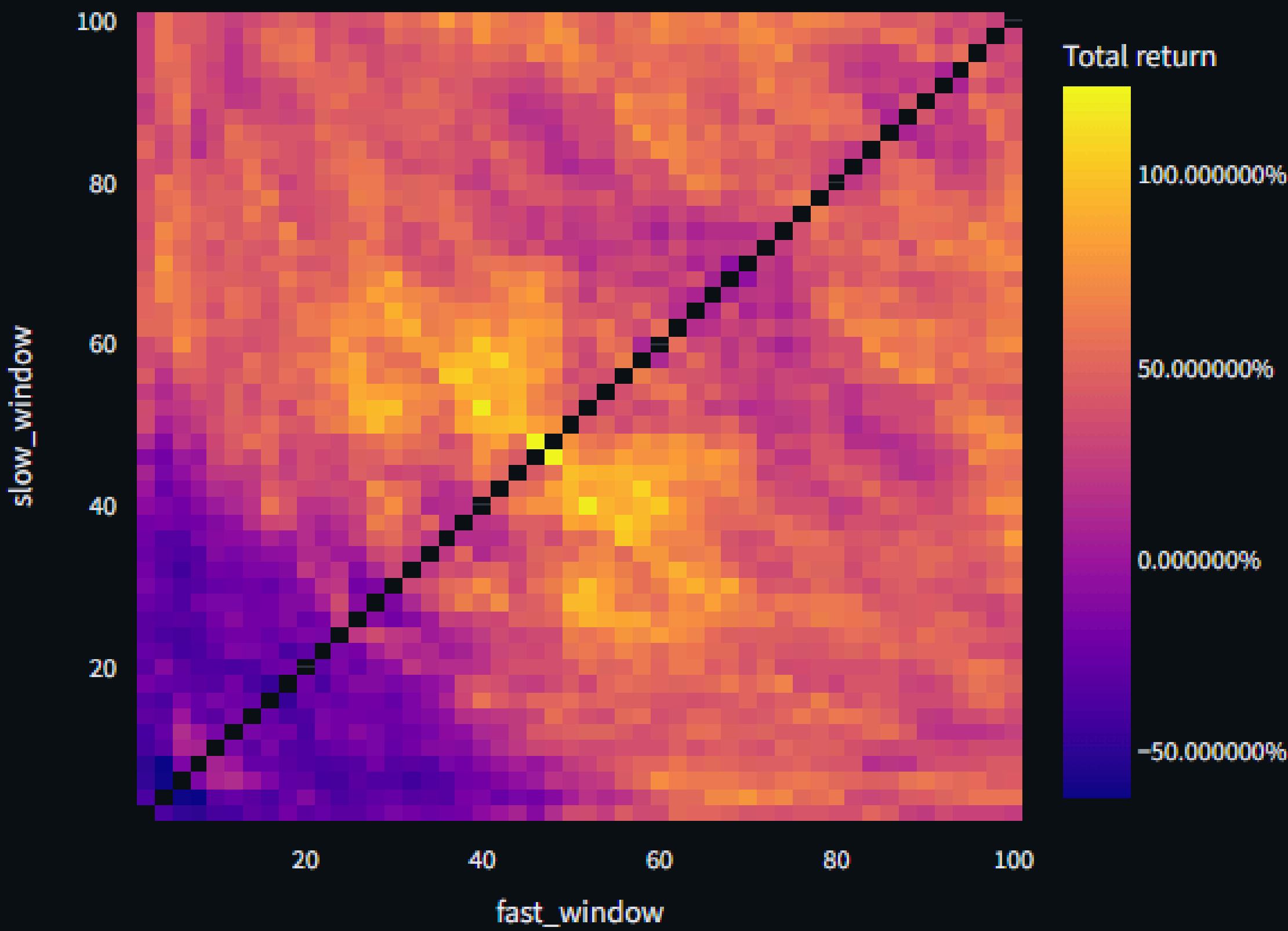THE BEST ?**

ไปแล้
วน้าาาาาาาาาาาาาาาาาาาา
าาาาาาาาาาาา

APG Station: Technical Signals

ระบุชื่อหุ้นที่ต้องการ

> ADVANC

> กำลังวิเคราะห์หุ้น: ADVANC

ระบุเส้นค่าเฉลี่ยระยะสั้น

> 2

ระบุเส้นค่าเฉลี่ยระยะยาว

> 4

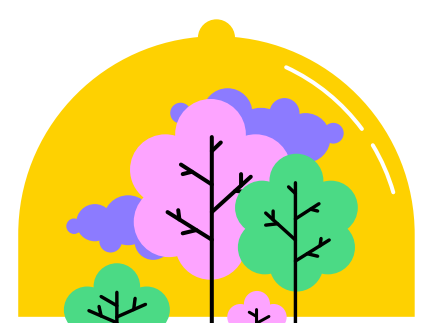|	agg_func_mean
Start	2015-01-07 00:00:00+00:00
End	2025-01-03 00:00:00+00:00
Period	2430 days 00:00:00
Start Value	10000.0
End Value	6200.081752126968
Total Return [%]	-37.99918247873032
Benchmark Return [%]	12.648221343873466
Max Gross Exposure [%]	100.0
Total Fees Paid	4757.187789853544
Max Drawdown [%]	51.59601114267548

DON'T IGNORE THE DANGER OF GLOBAL WARMING!

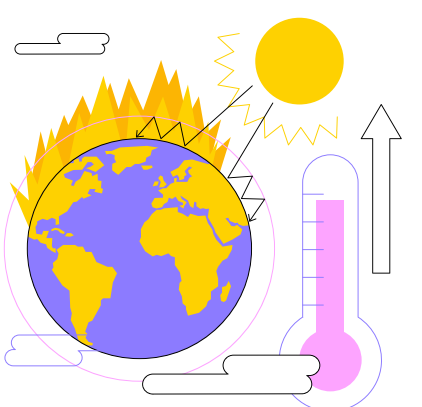Let's Learn the Causes and Impacts Of It

CAUSES OF GLOBAL WARMING

1 Greenhouse Gas Emissions

Burning of fossil fuels and deforestation by human activities result in the escalation of greenhouse gas levels in the atmosphere.

2 Greenhouse Effect

Greenhouse gases trap heat from the sun and keep it in the atmosphere, causing global temperatures to rise.

3 Land Use Changes

Deforestation and land conversion to urban or agricultural areas can accelerate global warming by reducing the ability of plants to absorb carbon dioxide.
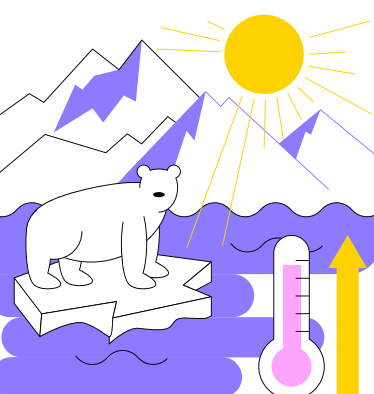
IMPACTS OF GLOBAL WARMING

1 Global Temperature Increase

Global warming causes an increase in the average surface temperature of the Earth, which can trigger harmful climate changes.

2 Rising Sea Levels

Melting ice in the polar regions and glaciers can cause sea levels to rise, which can impact human well-being and ocean ecosystems.
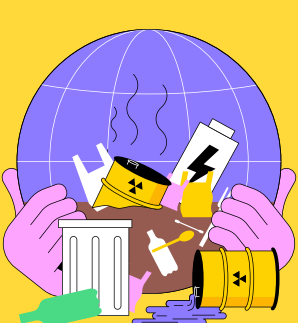
3 Human Health

Global warming can cause the rapid spread of diseases, especially those transmitted by insects and animals.
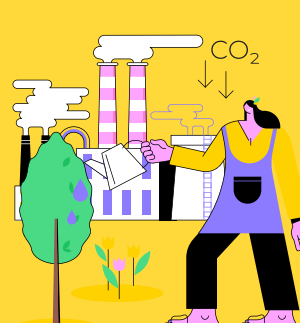
WAYS TO REDUCE THE IMPACT OF GLOBAL WARMING

1 Reducing Greenhouse Gas Emissions

Reducing emissions from human activities, such as by increasing the use of renewable energy sources, can help reduce global warming.

2 Reducing Plastic Use

Plastic is a source of carbon dioxide emissions, so reducing plastic use can help reduce the impact of global warming.

3 Preserving Biodiversity

Preserving biodiversity can help reduce the impact of global warming by absorbing carbon and maintaining ecosystem balance.

ระบุชื่อหุ้นที่ต้องการวิเคราะห์

delta

กำลังวิเคราะห์หุ้น: DELTA

วิเคราะห์หุ้น DELTA

ข้อมูลพื้นฐาน: หุ้น DELTA มี RS Score 0.65, จดทะเบียนในตลาดหลักทรัพย์ SET (SET), อยู่ในกลุ่มเทคโนโลยี (TECH) กลุ่มย่อยอิเล็กทรอนิกส์ (ETRON), อันดับความแข็งแกร่ง 10 จากทั้งหมดในกลุ่ม, ผลตอบแทน 0.63%, ราคาปิด 143.0 บาท

การวิเคราะห์ทางเทคนิค:

1. **Trend Analysis:** ข้อมูลไม่เพียงพอที่จะวิเคราะห์เทรนด์ระยะยาว จำเป็นต้องมีข้อมูลราคาและปริมาณการซื้อขายเพิ่มเติม

2. **RSI (Relative Strength Index):** RS Score 0.65 บ่งชี้ว่าหุ้น DELTA อาจไม่แข็งแกร่งมากนักเมื่อเทียบกับหุ้นอื่นๆในตลาด แต่ไม่ถือว่า Oversold (ซื้อมากเกินไป) หรือ Overbought (ขายมากเกินไป) จำเป็นต้องพิจารณาค่า RSI ที่คำนวณจากช่วงเวลาที่เหมาะสม

3. **Volatility Analysis:** ข้อมูลจำกัด การวิเคราะห์ความผันผวนจำเป็นต้องมีข้อมูลเพิ่มเติม เช่น ช่วงราคาสูงสุด ต่ำสุดในแต่ละช่วงเวลา

4. **Ranking Analysis:** หุ้น DELTA อยู่ในอันดับที่ 10 จากทั้งหมดในกลุ่มอุตสาหกรรม แต่จำนวน

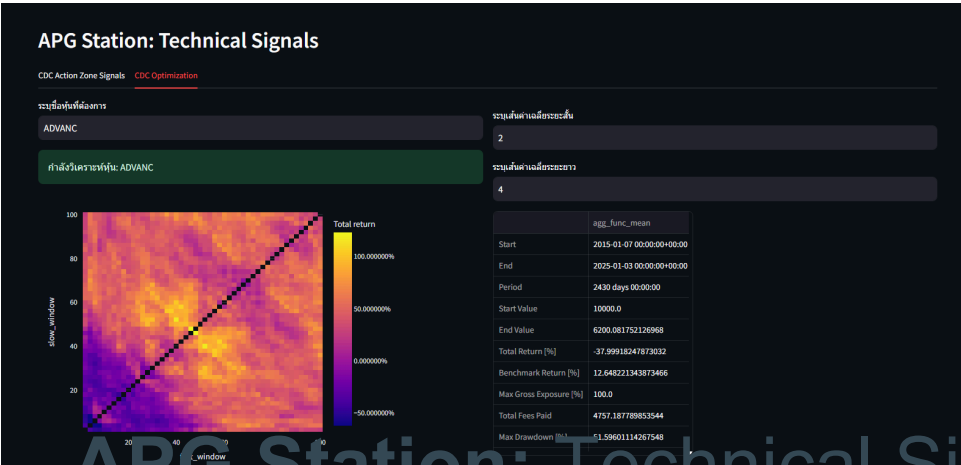# AI FOR STOCK RECOMMENDATION SYSTEMS

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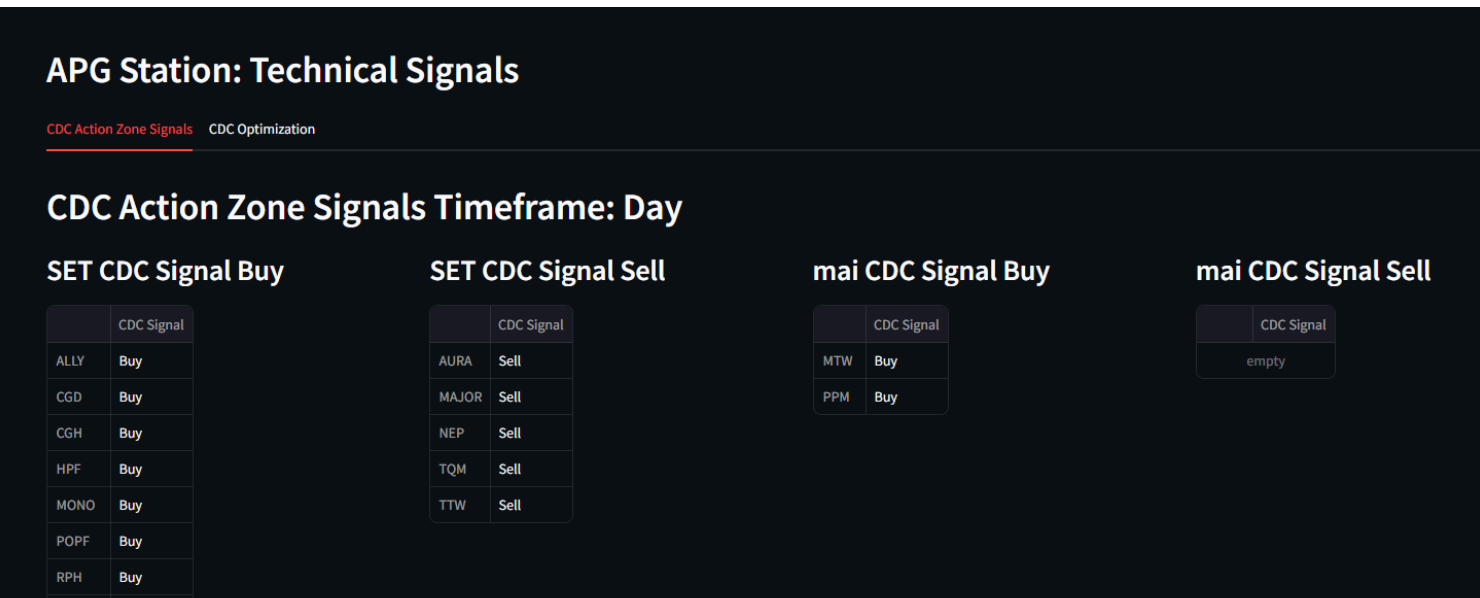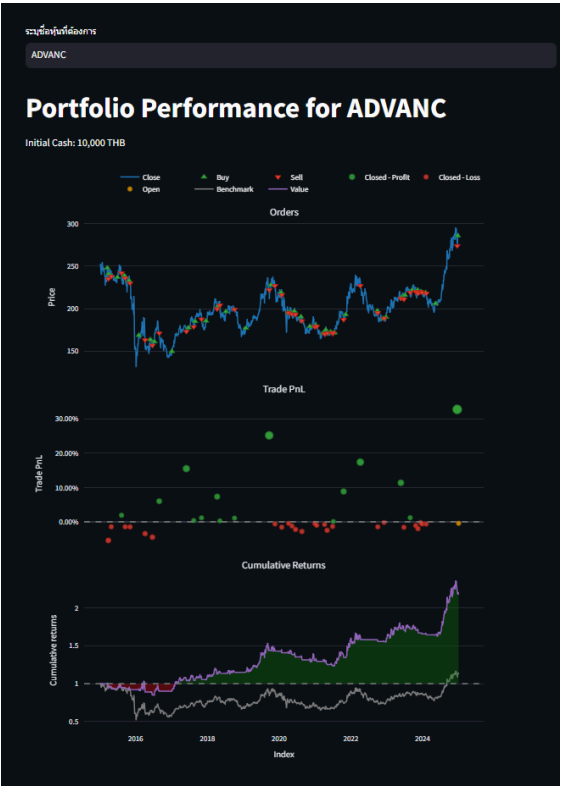
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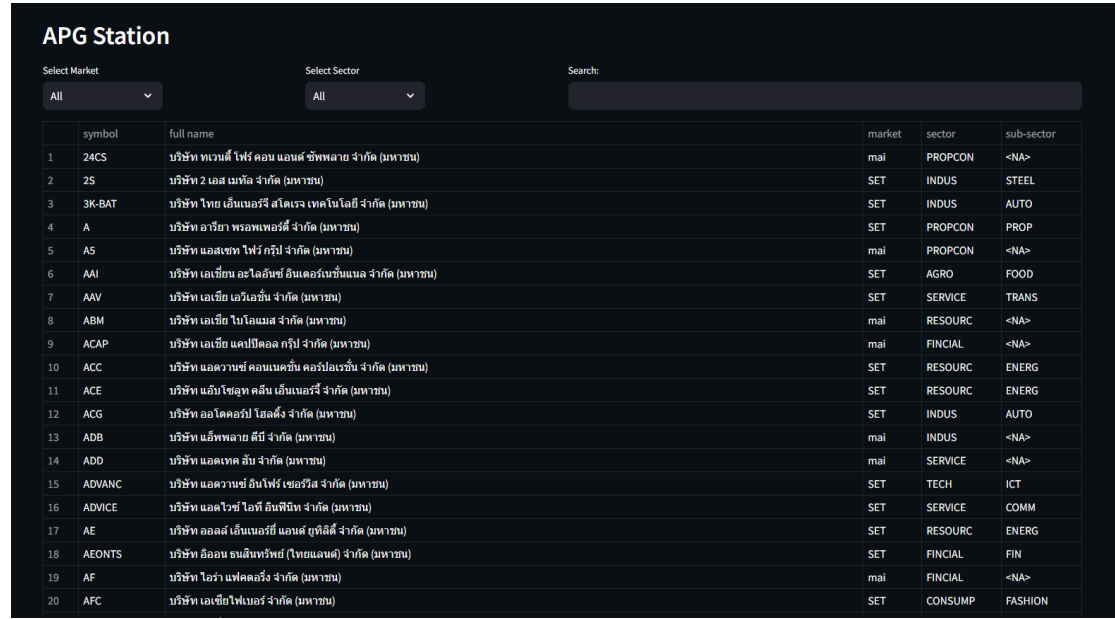
2.3 TECHICAL SIGNALS

APG Station: Technical Signals

The dashboard analyzes ADVANC using heatmaps of total returns from moving average windows and summarizes key metrics like a -37.99% return and 51.59% drawdown (2015–2025). Users can optimize parameters interactively for deeper insights

2. FEATURES AND FUNCTIONS

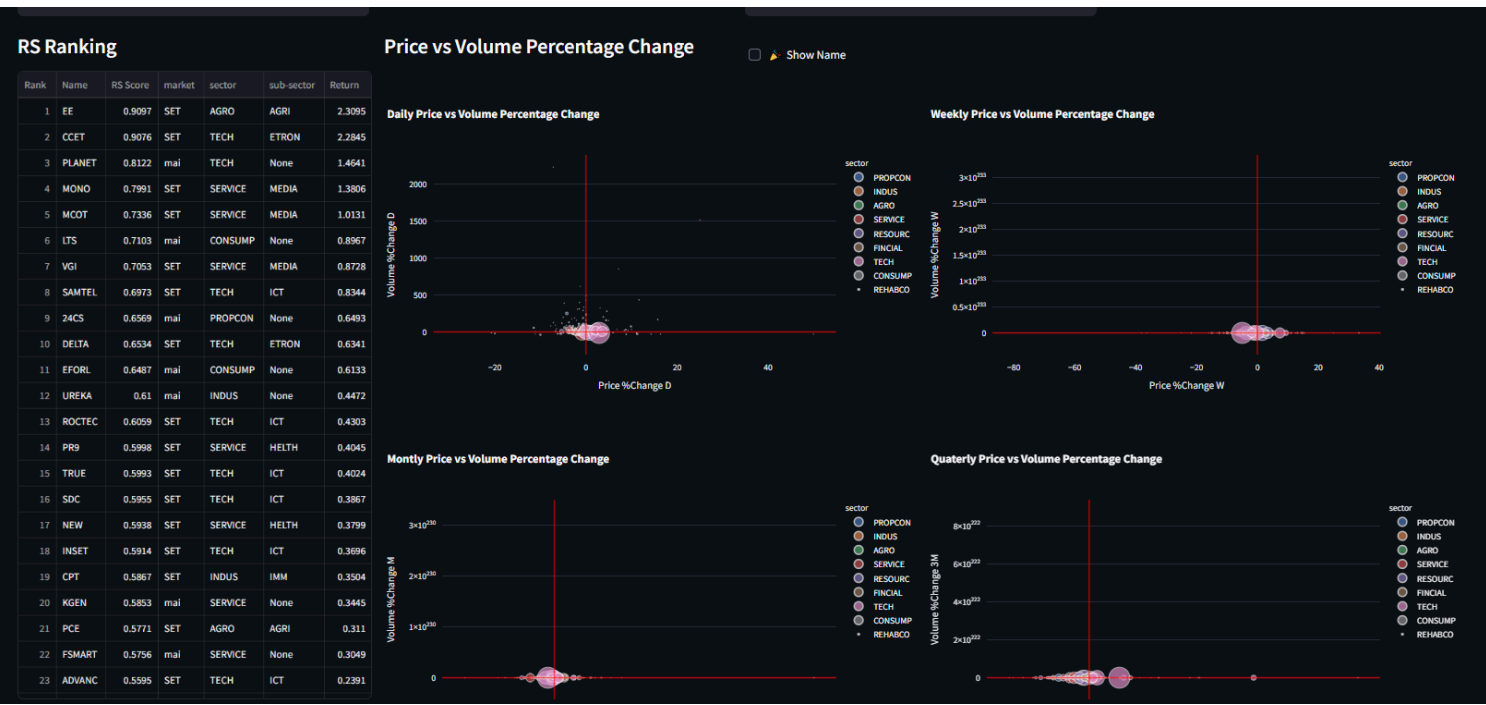**MAIN** **MARKET OVERVIEW** **TECHICAL SIGNALS**

2.1 MAIN

This page shows a **list of stocks and their information in the market.** You can search for specific stocks or filter by sector and market. It helps investors easily find and view stock details.
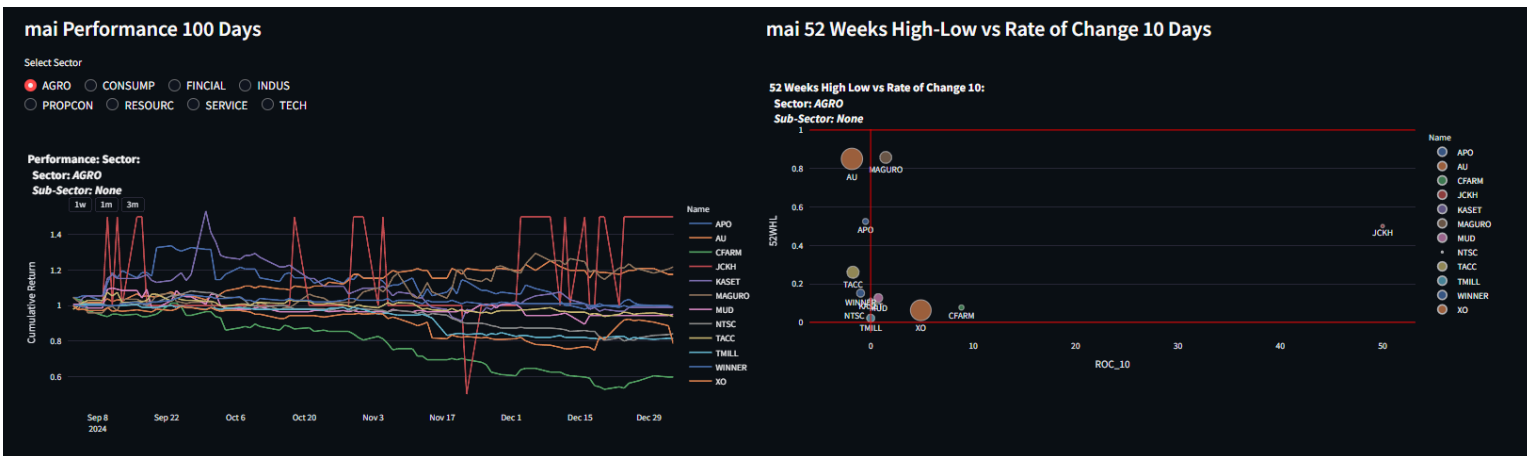
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1)

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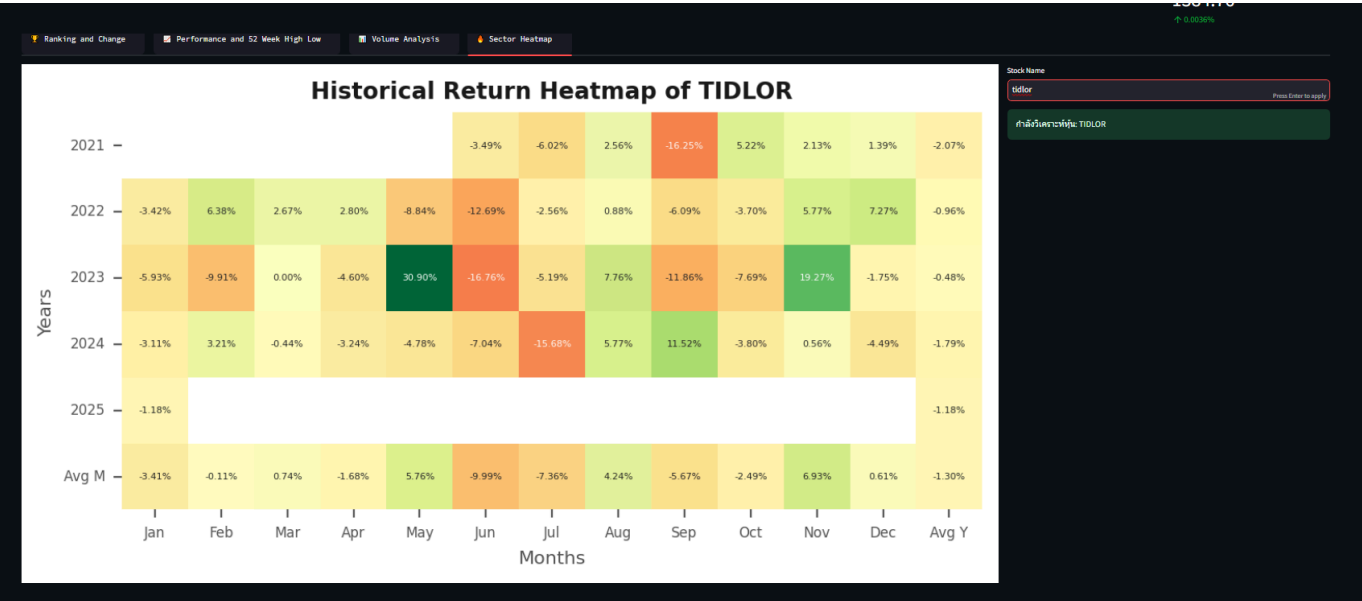
2)

3)

Dashboard for analyzing stock trading volume across different sectors in the stock market. The left side displays the trading volume for each sector, such as AGRO, FINANCIAL, and TECH. Users can see which sectors have high trading activity and click to view detailed information on individual stocks within that sector.

- Benefits of this dashboard:
- Provides an overview of trading activity in each sector.

- Helps track which sectors show high movement.
- Allows users to dive deeper into individual stocks for further analysis or investment planning.
- In short, this dashboard helps investors spot trends and focus on stocks with significant trading activity.

4)

This is a **heatmap showing the historical returns of stocks.** You can select different stocks to see which periods show good performance or are worth buying, based on average returns for each month and year. It makes it easier to analyze investment trends.