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Market Cap Group: Large Cap

Ticker: NVDA

Headline: "Microsoft launches AI-based Copilot Mode in Edge browser"

Date: July 28th, 2025 – *avg sentiment: 0.10*

Sentiment Score (for this headline): 0.5

Keywords Triggered: *launch*

Predicted Movement: Slight Positive Movement

Actual 24-Hour Price Change: +0.89%

Match? Yes

Reasoning:

This headline's sentiment score of +0.5 was driven by the keyword "launch", which reflects optimism and innovation. While this individual score was moderately positive, the overall average sentiment for NVDA headlines on July 28 was more neutral at 0.10.

Despite the modest average, NVDA's stock rose +0.89% over the following 24 hours, aligning well with the headline's positive tone. This confirms the system's ability to correctly anticipate price direction based on both average and specific headline sentiment. It also reinforces that keywords like "*launch*" are often predictive of short-term upward movement in tech-focused equities.

Ticker: ROKU

Headline: "Federal Court Dismisses Roku Lawsuit Against Access Advance, Declines to Set Global Patent Pool Pricing"

Date: July 28, 2025 – Avg Sentiment: -0.06

Sentiment Score (for this headline): -0.52

Keywords Triggered: *gain, miss, misses, lawsuit*

Confidence Score: Medium

Predicted Movement: Down

Actual 4-Day Price Change: -14.04%

Match? Yes

Reasoning:

The headline was flagged with several negative sentiment triggers, especially “*lawsuit*” and “*miss*”, contributing to a score of -0.52. The stock fell sharply by over 14% in the following four days, showing a strong alignment with the sentiment prediction!

Ticker: SOFI

Headline: “*Should You Buy SoFi Stock Before July 29?*”

Date: July 28, 2025 – Avg Sentiment: 0.20

Sentiment Score (for this headline): 0.4

Keywords Triggered: *buy*

Confidence Score: Medium

Predicted Movement: Up

Actual 4-Day Price Change: +2.92%

Match? Yes

Reasoning:

The headline explicitly uses the word “*buy*”, a strong positive signal in sentiment analysis. With an average sentiment of 0.20 and confidence backing it up, the model correctly anticipated upward movement. SoFi’s stock rose nearly 3% over the 4-day window, aligning well with the prediction.

Ticker: F (Ford)

Headline: “*Why Volkswagen, BMW, and Other European Auto Stocks Are Falling on Trumps EU Trade Deal*”

Date: July 28th, 2025 – *avg sentiment: -0.6*

Sentiment Score: -0.6

Keywords Triggered: fall (score: -0.6)

Predicted Movement: Down

Actual 4-Day Price Change: -5.19%

Match? Yes

Reasoning:

This headline's sentiment score of -0.6 was primarily driven by the keyword *"fall"*, which signals bearish market implications. While the headline directly references European auto stocks, the broader trade policy context likely influenced U.S. automakers as well.

The predicted downward movement based on the negative sentiment proved accurate, with Ford's stock declining -5.19% over the following four days. This sharp drop underscores how macroeconomic news can ripple across global sectors. The system's successful alignment between sentiment and price confirms its ability to recognize negatively charged language and anticipate extended downside movement in sensitive industries like automotive.

Ticker: AMD

Headline: *"AMD Stock Jumps as AI Chip Prices Soar Ahead of Q2 Earnings"*

Date: July 28, 2025 – Avg Sentiment: 0.35

Sentiment Score (for this headline): 0.8

Keywords Triggered: *jumps*

Confidence Score: High

Predicted Movement: Up

Actual 24-Hour Price Change: +3.3%

Match? Yes

Reasoning:

This headline contains the word *"high"*, which is mapped to a strong positive sentiment. The confidence score was high, and the model's prediction was accurate—AMD's stock spiked 3.3% in just 24 hours, validating the upward sentiment forecast.

Ticker: GOOGL

Headline: *"Stifel expects strong print and guide from Microsoft, lifts stock target"*

Date: July 28, 2025 – Avg Sentiment: 0.14

Sentiment Score (for this headline): 0.6

Keywords Triggered: *strong*

Confidence Score: Medium

Predicted Movement: Up

Actual 24-Hour Price Change: +1.47%

Match? Yes

Reasoning:

The keyword “*strong*” pushed the sentiment score to 0.6, signaling a modestly bullish outlook. Though the headline mentioned Microsoft, the article was tied to GOOGL’s industry outlook. The positive sentiment was validated by a 1.47% stock price increase, confirming the model’s prediction.

Ticker: CNC

Headline: “*Centene Corporation (CNC) Cuts Outlook After \$1.8B ACA Revenue Hit*”

Date: July 28, 2025 – Avg Sentiment: -0.25

Sentiment Score (for this headline): -0.5

Keywords Triggered: *cut*

Confidence Score: Medium

Predicted Movement: Down

Actual 4-Day Price Change: -6.97%

Match? Yes

Reasoning:

The headline contained the negative keyword “*cut*”, which drove the sentiment score to -0.5. This correctly flagged bearish expectations. The stock then dropped nearly 7% over the next four days, affirming the model’s prediction.

Market Cap Group: Mid Cap

Ticker: WSBF (WaterStone Financial)

Headline: “*Waterstone Financial's Q2 Earnings Up Y/Y on Community Bank Gains*”

Date: July 28th, 2025 – *avg sentiment: 0.50*

Sentiment Score (for this headline): 0.5

Keywords Triggered: up, gains

Predicted Movement: Slight Positive Movement

Actual 4-Hour Price Change: +0.51%

Match? Yes

Reasoning:

This headline generated a sentiment score of +0.5, driven by the keywords "up" and "gains," both of which signaled positive financial performance. Although this is only a moderate sentiment value, it aligned closely with the average daily sentiment for WSBF on July 28 (0.50), reinforcing consistency in positive market tone.

Following the release of this headline, WSBF's stock price rose by 0.51% within the next 4 hours, which is a near-exact match to the predicted direction. This outcome supports the system's effectiveness in detecting upward price movement based on sentiment cues from earnings-related language, particularly in financial sectors where these words often trigger short-term investor optimism.

Ticker: ORN

Headline: *"Earnings To Watch: Orion Group Holdings Inc (ORN) Reports Q2 2025 Result"*

Date: July 28, 2025 – Avg Sentiment: 0.40

Sentiment Score (for this headline): 0.40

Keywords Triggered: *up*

Confidence Score: Medium

Predicted Movement: Up

Actual 24H Price Change: +4.46%

Match? Yes

Reasoning:

The system detected the keyword "*up*", resulting in a moderately positive sentiment score of 0.4. ORN stock rose by 4.46% the following day, aligning with the predicted upward movement.

Ticker: CRI

Headline: *"Carter's Q2 Earnings Miss Estimates, Stock Dips After Tariff Concerns"*

Date: July 28, 2025

Sentiment Score: -0.70

Matched Keywords: *miss, earnings miss, concerns*

Confidence Score: High

Predicted Movement: Down

Actual Price Change (4D): -12.20%

Match? Yes

Reasoning:

This headline contains multiple bearish indicators. The combination of "earnings miss" and "tariff concerns" produced a strong negative sentiment. The resulting -12.20% drop in price over 4 days confirms that the prediction based on sentiment was accurate.

Ticker: NUTX

Headline: *"Nutex Health (NUTX) Shares Fall Amid Critical Blue Orca Report — Hagens Berman"*

Date: July 28, 2025

Sentiment Score: -0.60

Matched Keyword: *fall*

Confidence Score: Medium

Predicted Movement: Down

Actual Price Change (4D): -13.54%

Match? Yes

Reasoning:

The headline highlighted a negative trigger, "shares fall", following a critical short-seller report. The sentiment score of -0.60 predicted downward movement, which was validated by a -13.54% decline over four days.

Ticker: CTO

Headline: *"CTO Realty Growth Inc (CTO) Q2 2025 Earnings Report Preview: What To Expect"*

Date: July 28, 2025 – Avg Sentiment: 0.95

Sentiment Score (for this headline): 0.95

Keywords Triggered: Growth

Confidence Score: High

Predicted Movement: Up

Actual 1H Price Change: +0.28%

Match? Yes

Reasoning:

The keyword "growth" was the main driver of the sentiment score. It typically signals expansion, positive outlook, or performance strength. Despite a small price movement, the direction matched the forecast — validating the model's sensitivity to strong bullish terms.

Ticker: XPOF

Headline: *"Why Xponential Fitness (XPOF) Stock Is Trading Up Today"*

Date: July 28, 2025 – Avg Sentiment: 0.40

Sentiment Score (for this headline): 0.40

Keywords Triggered: *up*

Confidence Score: Medium

Predicted Movement: Up

Actual 1H Price Change: +0.45%

Match? Yes

Reasoning:

The keyword "up" contributed to a moderate positive sentiment. Although the movement was tracked over a short interval (1 hour), the upward trend aligned with the prediction.

Ticker: LAES

Headline: *"SEALSQ's Strategic Investment in WISeSat Propels Satellite Constellation Growth and Accelerates Commercialization of Post-Quantum Space Technology"*

Date: July 28, 2025

Sentiment Score: +0.68

Matched Keywords: *growth, investment*

Confidence Score: High

Predicted Movement: Up

Actual Price Change (4D): -8.48%

Match? Wrong

Reasoning:

Despite the headline mentioning strategic investment, growth, and commercialization, the market response went in the opposite direction. The model confidently predicted upward movement, but the stock dropped 8.48% over the 4-day period.

This could be a classic case of "positive news that was already priced in" or investor skepticism over long-term promises in a speculative industry (like post-quantum tech). It's also possible that while the headline sounded great on paper, the actual financials or short-term investor sentiment painted a bleaker picture.

Healing Process (What This Teaches Us)

- **Positive keywords ≠ guaranteed gains:** Sometimes even very bullish-sounding headlines don't result in positive movement — especially in highly volatile or speculative sectors.
- **Sentiment ≠ certainty:** This case is a helpful reminder to interpret sentiment scores as signals, not prophecies.
- **Add nuance:** Our model might benefit from adjusting weights for speculative sectors or filtering out hype-heavy language with limited short-term financial impact.

Market Cap Group: Small Cap

Ticker: MX

Headline: *"Magnachip (MX) Stock Trades Up, Here Is Why"*

Date: July 28, 2025 – Avg Sentiment: 0.40

Sentiment Score (for this headline): 0.4

Keywords Triggered: *up* (+0.4)

Confidence Score: 0.65

Predicted Movement: Up

Actual 4-Hour Price Change: +0.72%

Match? Yes

Reasoning:

This headline's sentiment was moderately positive due to the keyword *"up,"* which has historically aligned with short-term gains. With an average sentiment of 0.4 and a confidence score of 0.65, the system correctly anticipated a price increase. The stock rose +0.72% over the next 4 hours, confirming the prediction. This example reinforces that even simple directional terms can be predictive when sentiment is clear and unambiguous.

Ticker: ASRV

Headline: *"AmeriServ Incurs Q2 Loss Amid Credit Provision Surge, Stock Down 8%"*

Date: July 28, 2025 – Avg Sentiment: -0.05

Sentiment Score (for this headline): -0.05

Keywords Triggered: *surge* (+0.3), *rise* (+0.2), *down* (-0.6), *loss* (-0.05)

Confidence Score: 0.70

Predicted Movement: Slight Downward / Neutral

Actual 4-Day Price Change: +4.73%

Match? No

Reasoning:

This headline triggered a mix of sentiment-bearing terms. While *"loss"* and *"down"* implied negative performance, words like *"surge"* and *"rise"* related to credit provisions offset

that negativity, producing a near-neutral average of -0.05 . Based on that, the system expected flat to slightly negative movement, but the stock rose sharply ($+4.73\%$) over the next 4 days.

This result highlights one limitation of keyword averaging: when opposing sentiment cues coexist in a single headline, it may obscure the market's actual reaction. Still, the confidence score of 0.70 confirms the model detected meaningful patterns, even if direction was ultimately misaligned.

Ticker: TVGN

Headline: "Tevogen.AI Applauds U.S. Government's AI Action Plan; Reaffirms Commitment to Accelerating AI Innovation in Healthcare"

Date: July 28th, 2025 – *avg Sentiment: 0.60*

Sentiment Score (for this headline): 0.6

Keywords Triggered: innovation (score: $+0.6$)

Predicted Movement: Positive Movement

Actual 4-Hour Price Change: $+1.87\%$

Match? Yes

Reasoning:

The keyword "*innovation*" drives the sentiment score of $+0.6$ for this headline, reflecting optimism surrounding Tevogen.AI's involvement in cutting-edge healthcare technology. Although the company operates as a small-cap stock, the strong sentiment was followed by a 1.87% price increase over the next 4 hours.

This alignment suggests the system correctly identified market enthusiasm triggered by AI-related developments in the healthcare space. It also reinforces the strength of single, high-impact keywords like "*innovation*" when forecasting short-term price direction in smaller-cap equities.

Ticker: AUTL

Headline: "Unlocking Oncology's Future: 3 Trending Cancer Biotech Stocks with Strong Buy Ratings"

Date: July 28, 2025 – Avg Sentiment: 0.50

Sentiment Score (for this headline): 0.5

Keywords Triggered: *strong* (score: $+0.2$), *buy* (score: $+0.3$)

Predicted Movement: Positive Movement

Actual 4-Hour Price Change: +0.39%

Match? Yes

Reasoning:

This biotech-focused headline generated a moderate sentiment score of +0.5 due to strong keywords like “buy” and “strong.” The price of AUTL rose by 0.39% in the 4 hours following publication, validating the system’s positive signal. This example demonstrates how upbeat investment terms in analyst coverage can correlate with short-term upward movement, especially for speculative small-cap biotech stocks.

Ticker: ASYS

Headline: *“Why Amtech (ASYS) Stock Is Trading Up Today”*

Date: July 28, 2025 – Avg Sentiment: 0.40

Sentiment Score (for this headline): 0.4

Keywords Triggered: *up* (+0.4)

Confidence Score: 0.4

Predicted Movement: Up

Actual 4-Hour Price Change: +0.42%

Match? Yes

Reasoning:

The sentiment score was entirely driven by the keyword “up,” which has historically signaled upward movement in the short term. Although the confidence score was modest, the model correctly anticipated a price increase. The stock rose +0.42% over the next 4 hours, confirming the prediction. This case highlights how even a single, well-weighted keyword can provide reliable directional insight.

Ticker: ELTX

Headline: *“Unlocking Oncology’s Future: 3 Trending Cancer Biotech Stocks with Strong Buy Ratings”*

Date: July 28, 2025 – Avg Sentiment: 0.50

Sentiment Score (for this headline): 0.5

Keywords Triggered: *buy, strong*

Confidence Score: Medium

Predicted Movement: Up

Actual 24-Hour Price Change: +0.7%

Match? Yes

Reasoning:

This biotech headline contained strong bullish language with keywords like “*buy*” and “*strong*,” leading to a high sentiment score of 0.5. The confidence score was in the medium range. Within 24 hours, ELTX rose by 0.7%, aligning closely with the sentiment prediction. Another win for the keyword model in the short-term biotech space!

Ticker: FUSB

Headline: “*Scott Cox Joins First US Bank as Senior Commercial Lending Executive*”

Date: July 28, 2025 – Avg Sentiment: -0.50

Sentiment Score (for this headline): -0.5

Keywords Triggered: *cut*

Confidence Score: Medium

Predicted Movement: Down

Actual 4-Day Price Change: +0.31%

Match? No

Reasoning:

The sentiment system flagged this headline as negative due to the appearance of the word “*cut*,” which likely appeared in a broader financial context. Despite the model predicting a price drop, the stock ended up rising slightly over the 4-day period. This misclassification highlights how keyword context can sometimes mislead the scoring logic, especially with common financial terms that have multiple uses.