

Quant Daily Digest

■ Daily Overview

Macro & Sentiment Risk sentiment is mixed with a bullish tilt toward Chinese solar stocks following reports that SpaceX and Tesla teams visited multiple photovoltaic suppliers in China. This signals potential supply chain strengthening and strategic collaboration, fueling optimism in clean energy equities. Meanwhile, precious metals continue their rally, with gold and silver ETFs surging up to 9% amid persistent macro uncertainties and safe-haven demand. Conversely, crypto markets remain under pressure as Bitcoin dropped 13%, breaking below \$64,000, reflecting ongoing skepticism and risk-off flows in digital assets. Amazon's 10% share decline post-earnings and a \$200 billion capex forecast adds to cautious sentiment around tech and growth sectors. Equities / Rates Chinese solar stocks led sector gains, driven by supply chain optimism linked to Musk's visits. Defiance's launch of ZETX, a 2x leveraged ETF on Zeta Global, introduces new alpha-seeking vehicles in thematic equity space. Amazon's sharp drop post-earnings highlights investor concerns over aggressive spending and margin pressure. Rates remain range-bound with no major central bank moves, but bullion's rally suggests inflation hedging remains a priority. FX & Commodities Gold and silver futures extended gains for a second session, pushing commodity ETFs higher amid safe-haven flows. No major FX moves reported, but the bullion rally may support USD weakness in risk-off episodes. What to Watch • Monitor Chinese solar supply chain developments and potential Tesla/SpaceX partnerships. • Track bullion ETF flows and gold/silver price momentum for inflation and risk sentiment cues. • Watch Amazon's capex impact on tech sector valuations and broader growth sentiment.

■ Hot List

Chinese solar stocks rally on reports Elon Musk's Space X, Tesla staff visited suppliers

Chinese solar panel stocks experienced a notable rally following reports that Elon Musk's SpaceX and Tesla teams visited multiple photovoltaic suppliers in China. This visit has sparked investor optimism about potential supply chain partnerships or increased demand from Musk's companies. The surge in share prices reflects market anticipation of strengthened ties between major U.S. electric vehicle and aerospace firms and Chinese solar manufacturers. This development could influence sector flows and positioning, as investors adjust to the prospect of enhanced collaboration and growth in solar technology supply chains. The news underscores the importance of geopolitical and corporate linkages in driving market movements in renewable energy stocks.

Read more: <https://www.cnbc.com/2026/02/04/china-solar-panel-elon-musk-spacex-tesla-pv-makers-chinese-stocks-surge.html>

CNBC

Silver & gold ETFs rally up to 9% as bullion boom continues. Should you invest now?

Gold and silver futures extended gains for a second straight session, driving commodity-based ETFs up to 9%. The rally reflects increased investor interest amid ongoing bullion demand, likely influenced by macroeconomic uncertainties and inflation concerns. This price action suggests strong inflows into precious metals ETFs, signaling a bullish positioning trend among market participants. The sustained

upward momentum in futures and ETFs highlights the continued appeal of gold and silver as safe-haven assets. Quant strategies may consider these flows and price trends for momentum or mean-reversion signals in commodity-related portfolios.

Read more: <https://m.economictimes.com/mf/analysis/silver-gold-etfs-rally-up-to-9-as-bullion-boom-continues-should-you-invest-now/articleshow/127901585.cms>

Economictimes.com

quantmlibrary added to PyPI

The newly released quantmlibrary on PyPI offers a streamlined machine learning toolkit tailored for quantitative trading applications. It emphasizes minimalism and efficiency, optimized for handling streaming data and supporting online learning algorithms. This library could enhance real-time data processing and adaptive model updates, crucial for dynamic market environments and algorithmic trading strategies. Its availability on PyPI facilitates easy integration into existing quant workflows, potentially improving model responsiveness to market changes and intraday price action. The focus on online learning aligns with the need for continuous adaptation in volatile markets, aiding in better positioning and risk management.

Read more: <https://pypi.org/project/quantmlibrary/>

Pypi.org

Amadeus Acquires Bitte to Power Private, Deterministic and Self-Improving Trading Agents

Amadeus has acquired Bitte, a company specializing in private, deterministic, and self-improving trading agents. This acquisition aims to enhance Amadeus's capabilities in developing advanced algorithmic trading solutions that leverage machine learning and automation. The integration of Bitte's technology is expected to improve trade execution efficiency and reduce market impact by enabling more precise and adaptive trading strategies. This move signals Amadeus's commitment to innovation in quantitative trading and could influence market participants relying on automated trading systems. The deal may also affect flow dynamics as Amadeus deploys these enhanced agents in various asset classes.

Read more: <https://www.globenewswire.com/news-release/2026/02/04/3232394/0/en/Amadeus-Acquires-Bitte-to-Power-Private-Deterministic-and-Self-Improving-Trading-Agents.html>

GlobeNewswire

Defiance Launches ZETX: The First Daily 2X Long ETF for Zeta Global Holdings Corp.

Defiance has launched ZETX, the first daily 2x leveraged long ETF tracking Zeta Global Holdings Corp. This product offers investors amplified exposure to Zeta Global's stock, targeting twice the daily return of the underlying equity. The ETF's introduction provides a new tool for traders and quants seeking to capitalize on short-term directional moves in Zeta Global shares. Leveraged ETFs like ZETX can influence market flows and positioning due to their daily rebalancing and potential for increased volatility. This launch may attract momentum-driven strategies and impact Zeta Global's intraday price dynamics.

Read more: <https://www.globenewswire.com/news-release/2026/02/04/3232073/0/en/Defiance-Launches-ZETX-The-First-Daily-2X-Long-ETF-for-Zeta-Global-Holdings-Corp.html>

GlobeNewswire

Amazon stock falls 10% on \$200 billion spending forecast, earnings miss

Amazon shares dropped 10% following a Q4 earnings miss and a forecast of \$200 billion in capital expenditures for 2026, significantly above analyst expectations of \$146.6 billion. The aggressive spending outlook raised concerns about margin pressure and cash flow, prompting a sell-off in the stock. This large capex guidance signals Amazon's continued heavy investment in infrastructure and growth initiatives, impacting market sentiment. The price action reflects investor caution on the company's near-term profitability despite long-term growth potential. Quant models may adjust positioning based on increased volatility and revised earnings forecasts.

Read more: <https://www.cnbc.com/2026/02/05/amazon-amzn-q4-earnings-report-2025.html>

US Top News and Analysis

Bitcoin drops 13%, breaking below \$64,000 as sell-off intensifies, doubts about crypto grow

Bitcoin plunged 13%, falling below the \$64,000 mark amid an intensifying sell-off and growing skepticism around cryptocurrencies. Market participants had identified the \$70,000 level as a critical support; its breach triggered accelerated downside momentum. The sharp decline reflects increased risk aversion and potential profit-taking after recent highs. This price action may signal a shift in positioning, with traders reducing exposure to crypto assets. The breakdown below key technical support could prompt further declines, raising concerns about market stability and investor sentiment in the digital asset space.

Read more: <https://www.cnbc.com/2026/02/05/bitcoin-price-today-70000-in-focus.html>

US Top News and Analysis

Reddit shares rise on reveals strong guidance, \$1 billion buyback

Reddit shares surged following its Q4 2025 earnings report, which beat analyst expectations on both revenue and earnings per share. The company provided strong forward guidance, signaling confidence in sustained growth. Additionally, Reddit announced a \$1 billion share buyback program, indicating management's commitment to returning capital to shareholders and potentially reducing share float. This combination of robust financial performance and aggressive buyback activity has attracted increased investor interest, likely impacting positioning and flows in the stock. Market participants may view Reddit as a growth-oriented tech play with enhanced shareholder value prospects.

Read more: <https://www.cnbc.com/2026/02/05/reddit-rddt-q4-2025.html>

US Top News and Analysis

Crypto bill talks picking up in Senate after clearing a key vote, Sen. Boozman says

Senator John Boozman indicated bipartisan progress on crypto legislation following a key Senate committee vote. Republicans, Democrats, and industry representatives are collaborating to advance regulatory clarity for the cryptocurrency sector. The bill aims to enhance oversight, potentially impacting market structure and compliance requirements. This development could influence crypto asset flows and positioning as regulatory risks become clearer. Market participants should monitor legislative updates for shifts in policy that may affect crypto price action and institutional engagement.

Read more: <https://www.cnbc.com/2026/02/05/boozman-crypto-cftc-regulation.html>

Roblox shares rocket on earnings beat, strong forecast

Roblox shares jumped nearly 20% in after-hours trading following the release of its fourth-quarter earnings, which surpassed analyst expectations. The company also issued a strong forecast, further boosting investor confidence. This price action reflects positive market sentiment driven by better-than-expected revenue and user engagement metrics. The earnings beat and optimistic guidance may lead to increased institutional buying and improved positioning in tech growth stocks. Overall, Roblox's performance highlights robust demand in the gaming sector and could influence related equity flows.

Read more: <https://www.cnn.com/2026/02/05/roblox-shares-rocket-20percent-on-earnings-beat-strong-forecast.html>

US Top News and Analysis

Dow Jones Futures: Stock Market Breaks Key Levels, Bitcoin Dives; Amazon Tumbles Late On This

U.S. stock futures declined sharply Thursday as major indices broke key support levels, signaling increased market volatility. Bitcoin plunged significantly, reflecting heightened risk aversion in crypto markets. Amazon shares dropped late after the company reported earnings that missed expectations and announced substantial capital expenditure plans, weighing on investor sentiment. The selloff was broad-based, with tech stocks leading declines amid concerns over growth and spending. Market positioning appears cautious, with flows favoring safer assets amid uncertainty. These developments highlight growing market sensitivity to earnings and macroeconomic signals.

Read more: <https://finance.yahoo.com/m/3cceb1e3-5945-374a-b030-90cd21da5783/dow-jones-futures-%3A-stock.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Stock Market Today, Feb. 5: Alphabet Rallies Back to Even After Unveiling 2026 AI Spending Plan Near \$185 Billion

Alphabet's stock initially dipped but rallied back to even after announcing a substantial AI investment plan totaling nearly \$185 billion through 2026. This aggressive spending signals a significant near-term cash flow impact, testing investor tolerance for elevated capital expenditures amid uncertain immediate returns. The market reaction highlights the balancing act between long-term AI growth potential and short-term profitability concerns. Alphabet's move is a key data point for quant models focusing on tech sector capital allocation and earnings forecasts. Overall, the stock's price action reflects cautious optimism amid heavy AI-related spending commitments.

Read more: <https://www.fool.com/coverage/stock-market-today/2026/02/05/stock-market-today-feb-5-alphabet-rallies-back-to-even-after-unveiling-2026-ai-spending-plan-near-usd185-billion/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Stock Market Today, Feb. 5: Amazon Shares Drop on Tech Sell-Off Ahead of Earnings and AWS Growth Outlook

On February 5, 2026, Amazon shares declined amid a broader tech sector sell-off ahead of its earnings report and AWS growth outlook. Investors are assessing Amazon's increased capital expenditures in AI and cloud infrastructure against its ambitious long-term growth targets. The tech sell-off pressured major indices, reflecting concerns over valuation and growth sustainability in the sector. Market participants are closely watching Amazon's guidance for AWS, a key driver of its revenue and profitability. Positioning appears cautious as investors balance optimism on AI investments with near-term execution risks.

Read more: <https://www.fool.com/coverage/stock-market-today/2026/02/05/stock-market-today-feb-5-a-mazon-shares-drop-on-tech-sell-off-ahead-of-earnings-and-aws-growth-outlook/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Extreme views on the next US jobs report

Market participants are sharply divided on the upcoming US jobs report, with extreme bullish and bearish forecasts shaping expectations. Some anticipate a strong payrolls number, signaling robust economic growth and potentially prompting the Federal Reserve to maintain or tighten monetary policy. Conversely, others predict a significant slowdown or even contraction in job creation, which could increase speculation of a near-term rate cut. This polarization is driving heightened volatility in equity and bond markets, as traders adjust positioning based on these divergent scenarios. The report's outcome will be pivotal for short-term market direction and Fed policy outlook.

Read more: <https://www.ft.com/content/3b9b9cbb-61d3-4a56-8c7a-b802ea17455c>

FT Alphaville

■ Articles

Investigation of spillover effects of a sugar-sweetened beverage tax on beverage purchasing in a nearby, non-taxed area: A quasi-experimental, difference-in-differences analysis

A recent quasi-experimental study analyzed the spillover effects of sugar-sweetened beverage (SSB) taxes on purchasing behavior in adjacent non-taxed areas. The research employed a difference-in-differences methodology to isolate changes in beverage purchases attributable to tax signaling effects. Findings indicate that while SSB taxes effectively reduce purchases within taxed regions, there is limited evidence of significant purchasing changes in nearby non-taxed communities. This suggests that tax policies primarily influence local consumer behavior without substantial cross-border spillover. The study provides valuable data for policymakers considering the broader market impact of localized SSB taxation.

Read more: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0340577>

Plos.org

mono-quant 1.1

The release of mono-quant 1.1 on Pypi.org introduces a streamlined model quantization tool designed for simplicity and reliability with minimal dependencies. This update is relevant for quant-focused market participants leveraging machine learning models for trading strategies, as efficient quantization can enhance model performance and reduce computational costs. While not directly tied to market data or price action, improved model quantization supports faster inference and deployment of quant models, potentially impacting algorithmic trading efficiency. No direct policy or flow implications are noted in this release.

Read more: <https://pypi.org/project/mono-quant/1.1/>

Pypi.org

Enhancing diagnostic safety with low iodine, low radiation CTPA classification using deep learning

The article discusses advancements in diagnostic imaging, specifically the use of deep learning to improve computed tomography pulmonary angiography (CTPA) by reducing iodine contrast and radiation doses. This innovation aims to enhance patient safety without compromising diagnostic accuracy. While primarily medical, the development could influence healthcare sector equities, particularly companies involved in medical imaging technology and AI-driven diagnostics. Reduced contrast and radiation protocols may drive demand for advanced imaging solutions, potentially impacting market flows and positioning in healthcare tech stocks. No direct financial market data or price action is provided.

Read more: <https://www.nature.com/articles/s41598-026-38223-1>

Nature.com

Research on the predicted height of water-conducting fracture zones based on the BO-RFR model and SHAP analysis

The article discusses research on predicting the height of water-conducting fracture zones (WCFZ) in coal seams using the BO-RFR model and SHAP analysis. It highlights significant regional differences in WCFZ development between Carboniferous-Permian coal seams in central-eastern China and Jurassic coal seams in the western region. The study identifies key influencing factors affecting WCFZ height, which is critical for mining safety and water management. While the research is technical and sector-specific, it may impact energy sector risk assessments and infrastructure planning. No direct market or financial data, price action, or policy implications are presented.

Read more: <https://www.nature.com/articles/s41598-026-38043-3>

Nature.com

Single-molecule dynamics of the TRiC chaperonin system in vivo

The article from Nature.com details a study using single-particle tracking to observe the TRiC-PFD chaperonin complex's interactions with client proteins during protein folding in living cells. This research provides insights into the dynamic co- and post-translational processes at a molecular level. While significant for biological and biochemical fields, the findings do not directly impact financial markets, trading strategies, or economic policies. There are no immediate implications for market data, price movements, or investor positioning based on this scientific discovery.

Read more: <https://www.nature.com/articles/s41586-025-10073-3>

Nature.com

mono-quant 1.0.1

The release of mono-quant 1.0.1 on Pypi.org introduces a simple and reliable model quantization tool with minimal dependencies. While not directly related to financial markets, this tool could impact quantitative finance by enabling more efficient deployment of machine learning models used in trading algorithms and risk management. Improved model quantization can reduce computational costs and latency, potentially enhancing real-time data processing and decision-making. The update may

influence quant developers focusing on optimizing model performance in production environments. No immediate market data or price action is associated with this release.

Read more: <https://pypi.org/project/mono-quant/1.0.1/>

Pypi.org

mono-quant added to PyPI

The PyPI repository has introduced "mono-quant," a new package focused on simple and reliable model quantization with minimal dependencies. This tool is relevant for quant traders and quants working with machine learning models, as it facilitates efficient model compression, potentially improving inference speed and reducing memory usage. Such enhancements can be critical for deploying real-time trading algorithms and risk models. The minimal dependency design suggests ease of integration into existing quant pipelines without significant overhead. This development may influence quant model deployment strategies and computational resource allocation.

Read more: <https://pypi.org/project/mono-quant/>

Pypi.org

3 Things Every Vanguard S&P; 500 ETF Investor Needs to know

The article highlights three key points for Vanguard S&P; 500 ETF (VOO) investors: understanding the ETF's expense ratio, tracking error, and dividend yield. VOO offers a low expense ratio of 0.03%, making it cost-effective for broad market exposure. Its tracking error remains minimal, ensuring close alignment with the S&P; 500 index performance. Additionally, the ETF provides a dividend yield around 1.5%, reflecting the underlying index's payouts. These factors are crucial for quant strategies focusing on cost efficiency, accurate index replication, and income generation. No significant policy or flow changes were noted.

Read more: <https://www.fool.com/investing/2026/02/05/3-every-vanguard-sp-500-etf-investor-needs-know/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

2 High-Yielding Stocks That Retirees Will Love

The article highlights two high-yield stocks favored by retirees, both offering yields above 3% and demonstrating a consistent history of dividend increases over decades. These characteristics make them attractive for income-focused investors seeking stable cash flows amid market volatility. The emphasis on dividend growth suggests these stocks may provide resilience against inflation and interest rate fluctuations. While specific names and price data are not provided, the focus on yield and payout consistency is relevant for portfolio positioning in income strategies. Such stocks often see steady demand from retirement-focused funds and income-oriented flows.

Read more:

<https://www.fool.com/investing/2026/02/05/2-high-yielding-stocks-that-retirees-will-love/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Hodlers: an apology for the apology

The article discusses the recent volatility in cryptocurrency markets, highlighting significant price swings and the challenges faced by long-term holders ("hodlers"). It notes that despite sharp downturns, some investors remain committed, reflecting a divergence in positioning between short-term traders and long-term holders. The piece also touches on the impact of regulatory developments and market

sentiment shifts that have influenced flows and price action. Data points indicate increased trading volumes amid heightened uncertainty, with some assets experiencing rapid reversals. Overall, the market remains sensitive to policy signals and investor behavior, underscoring the complex dynamics at play.

Read more: <https://www.ft.com/content/095b3059-cf4b-449b-bcec-5dbbf9880eb3>

FT Alphaville

Trying to gauge BNP Paribas's legal risk

BNP Paribas faces scrutiny over potential legal risks, but the situation appears manageable rather than catastrophic. The article assesses the likelihood and scale of fines or penalties, suggesting that while some financial impact is probable, it is unlikely to threaten the bank's overall stability. Market reaction has been muted, with BNP Paribas shares showing limited volatility amid the news. The piece highlights the importance of monitoring regulatory developments and potential provisions in the bank's financial statements. Overall, the legal risk is a factor but not a dominant driver of BNP Paribas's near-term market performance.

Read more: <https://www.ft.com/content/5745c0ec-2df1-4063-98e0-9b013acd05a4>

FT Alphaville

Who are you calling PIGS now?

The FT Alphaville article discusses the evolving perception of the so-called "PIGS" countries (Portugal, Italy, Greece, Spain) in the Eurozone, highlighting the difficulty in distinguishing their economic and market profiles amid shifting conditions. Recent data shows converging bond yields and credit spreads, reflecting changing investor sentiment and risk assessments. Market positioning has adjusted as some traditionally weaker economies demonstrate resilience, while others face renewed challenges. Policy responses from the ECB and fiscal measures continue to influence flows and volatility in sovereign debt markets. This dynamic complicates quant models relying on historical country risk classifications.

Read more: <https://www.ft.com/content/4f827a4e-13a2-4db6-b47d-daa58f1be561>

FT Alphaville

FTAV's further reading

The FT Alphaville article covers diverse topics including Kashinomics, the economics of data centers in space, and the total portfolio approach to investing. It also touches on the impact of newspaper industry challenges and the ongoing Epstein files, which may influence market sentiment. While not directly focused on immediate market data or price action, the discussion on data centers in space highlights emerging tech infrastructure trends that could affect future tech sector valuations. The total portfolio approach emphasizes diversified asset allocation strategies relevant for quant investors. Overall, the piece provides thematic insights rather than specific market moves or flows.

Read more: <https://www.ft.com/content/1271815c-433d-4686-8f87-d7ade2234379>

FT Alphaville

■ AI & Finance

An AI-only social network now has more than 1.6M 'users.' Here's what you need to know

An AI-only social network has rapidly grown to over 1.6 million users, signaling strong market interest in AI-driven platforms. This surge in user adoption could influence tech sector equities, particularly those involved in AI development and social media. The platform's growth may drive increased data generation and engagement metrics, potentially impacting advertising flows and digital monetization strategies. Investors and quants should monitor user activity trends and platform monetization models as indicators of AI integration in social media. This development underscores the accelerating role of AI in reshaping digital ecosystems and market dynamics.

Read more:

<https://abcnews.go.com/Technology/ai-social-network-now-16m-users-heres/story?id=129848780>

ABC News

Understanding Virtual Economies: Why Digital Items Are Prime Targets for Scammers

The article discusses the vulnerabilities of virtual economies, particularly digital items, to scams and fraudulent activities. Digital assets in gaming and online platforms have significant market value, attracting scammers who exploit weak security measures and lack of regulation. Price volatility and the anonymity of transactions increase risks for investors and traders in these markets. The piece highlights the importance of enhanced verification processes and regulatory oversight to protect market participants. Understanding these dynamics is crucial for quant strategies focusing on digital asset flows and risk management in virtual economies.

Read more: <https://www.spoilertv.com/2026/02/understanding-virtual-economies-why.html>

Spoilertv.com

■ Quant Keywords & Mini-Glossary

leveraged ETF — [An ETF that uses financial derivatives and debt to amplify the returns of an underlying index or asset, often resetting daily.]

daily rebalancing — [The process by which leveraged ETFs adjust their exposure each day to maintain a target leverage ratio.]

market positioning — [The aggregate stance or exposure of investors and traders in a particular asset or sector.]

flow dynamics — [Patterns and changes in capital moving into and out of assets or sectors, influencing price and liquidity.]

momentum signals — [Indicators based on recent price trends used to predict future price movements.]

mean-reversion signals — [Indicators suggesting that asset prices will revert to their historical average after deviations.]

volatility — [A statistical measure of the dispersion of returns for a given security or market index.]

risk aversion — [The tendency of investors to prefer lower risk investments, often increasing demand for safe-haven assets.]

capital expenditure (capex) — [Funds used by a company to acquire or upgrade physical assets, impacting cash flow and earnings.]

earnings forecast — [Analysts' or companies' projections of future earnings, influencing market expectations and valuations.]

tracking error — [The divergence between the performance of a portfolio or ETF and its benchmark index.]

dividend yield — [A financial ratio showing how much a company pays out in dividends each year relative to its stock price.]

support level — [A price level where a downtrend can be expected to pause due to a concentration of demand.]

breakdown — [When an asset price falls below a key support level, often signaling further declines.]

order flow imbalance — [A situation where buy or sell orders dominate, affecting short-term price movements and liquidity.]

algorithmic trading — [The use of computer algorithms to automate trading decisions and execution.]

deterministic trading agents — [Automated trading systems that operate based on fixed rules without randomness.]

online learning algorithms — [Machine learning models that update continuously as new data arrives, adapting in real-time.]

model quantization — [The process of reducing the precision of machine learning model parameters to improve efficiency.]

realized volatility — [The actual observed volatility of an asset over a past period.]

implied volatility — [The market's forecast of a likely movement in an asset's price, derived from option prices.]

safe-haven assets — [Investments expected to retain or increase value during market turbulence.]

sector flows — [Capital movements into or out of specific industry sectors, impacting relative performance.]

price momentum — [The tendency of rising asset prices to continue rising and falling prices to continue falling.]

buyback program — [A corporate action where a company repurchases its own shares, reducing float and potentially boosting price.]