

Quant Daily Digest

■ Daily Overview

Macro & Sentiment The U.S.-Australia critical minerals agreement, unveiling an \$8.5 billion project pipeline, signals a strategic pivot to diversify supply chains away from China, reinforcing geopolitical risk premiums in commodity and tech sectors. This move underpins a broader push for supply chain resilience amid ongoing U.S.-China tensions. Meanwhile, political noise escalates as former President Trump threatens National Guard deployment in San Francisco, injecting uncertainty into the tech hub's AI-driven economic rebound. Market sentiment appears cautiously optimistic, buoyed by tech sector resilience but tempered by geopolitical and infrastructure risks. **Equities / Rates** Apple's shares closed at record highs following a robust iPhone 17 sales report, with a 14% sales increase in key U.S. and China markets, reinforcing strong consumer demand and services revenue growth. The rally reflects sustained investor confidence in mega-cap tech amid broader market volatility. However, the AWS daylong outage, impacting major platforms, briefly disrupted digital infrastructure, highlighting operational risks in cloud-dependent equities. **Rates** markets remain range-bound, with no major shifts despite headline-driven volatility, as investors digest mixed signals from tech strength and geopolitical tensions. **FX & Commodities** The critical minerals deal is likely to support Australian dollar strength and underpin rare earths and related commodity prices, as supply chain diversification efforts gain traction. The USD may see modest support from safe-haven flows amid geopolitical uncertainty, but broad dollar moves remain subdued. **What to Watch** • Progress and project milestones in the U.S.-Australia critical minerals pipeline • Market reaction to ongoing political tensions in San Francisco and potential federal interventions • Stability and resilience of cloud infrastructure post-AWS outage and implications for tech sector risk modeling

■ Hot List

U.S. and Australia sign critical minerals agreement with \$8.5 billion project pipeline

The U.S. and Australia have signed a critical minerals agreement, unveiling an \$8.5 billion project pipeline focused on rare earths processing. This initiative aims to reduce reliance on China for essential minerals, crucial for technology and defense sectors. Australian Prime Minister Anthony Albanese highlighted the strategic importance during a White House meeting with President Donald Trump. The deal is expected to boost supply chain security and could influence commodity markets, particularly rare earth metals. Market participants should watch for shifts in rare earth prices and potential investment flows into related mining and processing companies.

[Read more:](#)

<https://www.cnn.com/2025/10/20/trump-australia-albanese-minerals-rare-earths-china.html>

US Top News and Analysis

AWS services recover after daylong outage hits major sites

Amazon Web Services (AWS) experienced a daylong outage affecting major platforms such as Amazon, Snapchat, Disney+, Reddit, and Canva, according to Downtdetector reports. The disruption caused significant downtime across these high-traffic sites, impacting user access and potentially influencing digital traffic flows and e-commerce activity. AWS services have since recovered, restoring normal operations. The outage highlights the systemic risk posed by cloud service dependencies in

market infrastructure and could prompt reassessments of tech sector risk models and cloud provider concentration. Market participants may monitor for any residual volatility in tech stocks and related sectors.

[Read more:](#)

<https://www.cnbc.com/2025/10/20/amazon-web-services-outage-takes-down-major-websites.html>

US Top News and Analysis

Apple closes at record after strong iPhone 17 sales report for U.S., China

Apple shares closed at a record high following a strong sales report for the iPhone 17 series. The new model outsold the iPhone 16 by 14% in the critical U.S. and China markets within the first 10 days of release, signaling robust consumer demand. This sales momentum is likely to boost Apple's revenue outlook and investor sentiment. The positive data could influence tech sector positioning and contribute to broader market gains. Market participants may adjust exposure to Apple and related tech stocks based on these encouraging early sales figures.

[Read more: https://www.cnbc.com/2025/10/20/apple-stock-iphone-17-us-china-sales.html](#)

US Top News and Analysis

Trump calls for National Guard deployment in San Francisco loom over city's AI-driven resurgence

President Trump has threatened to deploy federal troops to San Francisco amid rising tensions, coinciding with the city's notable post-pandemic economic recovery driven by AI sector growth. San Francisco's tech-driven resurgence is attracting increased investment and talent, boosting local markets and real estate prices. However, the threat of National Guard deployment introduces political risk, potentially impacting investor sentiment and market stability in the region. This development could influence capital flows and positioning in tech stocks and related assets sensitive to geopolitical and policy uncertainties. Market participants should monitor these dynamics for potential volatility in AI and tech sectors.

[Read more: https://www.cnbc.com/2025/10/20/trump-calls-for-national-guard-deployment-loom-over-sf-ai-resurgence.html](#)

US Top News and Analysis

Jim Cramer says Apple's rally to a record shows why you should hold, not sell, the stock

Apple's stock reached a record high, driven by robust iPhone demand and expanding services revenue, according to Jim Cramer. The rally reflects strong market momentum and positive investor sentiment around the company's growth prospects. Cramer advises holding the stock rather than selling, emphasizing Apple's solid fundamentals and potential for continued gains. This price action suggests sustained bullish positioning among investors, supported by favorable data points in product sales and service segment performance. The stock's upward trajectory highlights its resilience amid broader market fluctuations.

[Read more: https://www.cnbc.com/2025/10/20/cramer-apple-rally-stock.html](#)

US Top News and Analysis

Why this economist is 'really bullish' on Q3 earnings

Economists Eric Diton and José Torres express strong optimism for Q3 earnings, anticipating positive catalysts that could drive US stock indices (^DJI, ^GSPC, ^IXIC) higher. Their bullish stance is grounded in expectations of robust corporate profitability and potential upside surprises in earnings reports. Market participants are closely monitoring earnings data for signs of sustained economic momentum amid ongoing macroeconomic uncertainties. This sentiment may influence positioning and flows, potentially boosting equity demand if earnings exceed forecasts. The outlook suggests increased volatility around earnings releases, with quant strategies likely adjusting to evolving fundamentals.

Read more:

<https://finance.yahoo.com/video/why-economist-really-bullish-q3-204351778.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Dow, S&P; 500, Nasdaq jump as Apple leads tech stocks higher ahead of busy earnings week

U.S. equity markets rallied sharply with the Dow, S&P; 500, and Nasdaq all posting gains, led by strong performance in tech stocks, particularly Apple. The move comes ahead of a busy earnings week, signaling investor optimism despite ongoing federal government shutdown concerns. Apple's price action provided a significant boost to the tech-heavy Nasdaq, reflecting positive sentiment around upcoming earnings reports. Market participants appear positioned for volatility as earnings season unfolds, with flows favoring large-cap tech. The shutdown remains a risk factor but has not yet dampened market momentum.

Read more: <https://finance.yahoo.com/news/live/dow-sp-500-nasdaq-jump-as-apple-leads-tech-stocks-higher-ahead-of-busy-earnings-week-200047280.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Exchange-Traded Funds, Equity Futures Higher Pre-Bell Monday as Earnings Take Center Stage

Ahead of Monday's open, equity futures and ETFs showed modest gains, with the SPDR S&P; 500 ETF Trust (SPY) rising 0.3%, signaling cautious optimism among investors. This uptick comes as earnings reports take center stage, potentially driving near-term market volatility and influencing positioning. Market participants are likely adjusting exposures based on early earnings cues, with flows favoring broad market ETFs. The positive pre-market price action suggests a risk-on sentiment, albeit tempered by ongoing earnings uncertainty. Quant strategies may focus on earnings-driven volatility and sector rotation signals in the coming sessions.

Read more:

<https://finance.yahoo.com/news/exchange-traded-funds-equity-futures-123103271.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Investors Look Ahead to Key Earnings Reports as US Futures Rise Monday Pre-Bell

US stock futures rose in Monday's premarket, signaling positive investor sentiment ahead of key earnings reports this week. The S&P; 500, Nasdaq, and Dow futures all showed gains, reflecting optimism despite recent market volatility. Investors are closely monitoring corporate earnings for guidance on economic health and inflation pressures. Market participants are also watching for any

shifts in Federal Reserve policy signals amid ongoing inflation concerns. Positioning appears cautious but tilted towards risk-on trades as earnings season kicks off.

Read more:

<https://finance.yahoo.com/news/investors-look-ahead-key-earnings-120155120.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Exploring High Growth Tech Stocks in the US This October 2025

In October 2025, U.S. markets showed resilience with the Nasdaq and S&P 500 posting solid gains despite volatility driven by banking sector concerns and geopolitical tensions. High growth tech stocks attracted significant investor interest, reflecting confidence in innovation-led sectors as potential buffers against economic uncertainty. Market flows favored tech names, supporting price momentum amid broader risk-off sentiment. Positioning data suggests increased allocations to growth-oriented equities, highlighting a tactical shift toward sectors with strong earnings prospects. This trend underscores the ongoing market preference for technology as a key driver of returns in a complex macro environment.

Read more:

<https://finance.yahoo.com/news/exploring-high-growth-tech-stocks-113807881.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

Checking in on the UK's gilt-ridden finances

The UK faces mounting risks in its gilt market, with Barclays and the Institute for Fiscal Studies warning of a potential funding crisis if fiscal policy is not adjusted. Rising government debt and increased gilt issuance have pressured yields higher, exacerbating borrowing costs. Market participants are closely watching the Bank of England's response, as its interventions have so far been aimed at stabilizing the gilt market amid volatility. Positioning data indicates growing investor caution, with flows favoring shorter-dated gilts and reduced exposure to long-dated debt. The consensus suggests that without credible fiscal consolidation, gilt market stress could intensify, impacting broader financial stability.

Read more: <https://www.ft.com/content/cc1d41cb-a64a-4cc6-8c62-6850fb05a27b>

FT Alphaville

A CoComedy of Errors

The overturning of the Credit Suisse AT1 bond writedown highlights significant legal and market implications for contingent convertible bonds (CoCos). Initially, Credit Suisse's AT1 bonds were fully written down during its takeover by UBS, triggering losses for investors while equity holders were protected. However, a Swiss court ruled this treatment unlawful, favoring AT1 bondholders and challenging the established hierarchy of claims in bank resolutions. This decision introduces uncertainty around CoCo bond valuations, risk premiums, and investor positioning, potentially impacting pricing and flows in the AT1 market. The ruling may prompt reassessments of regulatory frameworks and risk models for CoCos globally.

Read more: <https://www.ft.com/content/0093ecbe-8fd5-4e2d-bc82-9d5581df0740>

FT Alphaville

A little peep inside one of London's hot new quant powerhouses

Quadrature Capital, a London-based quantitative hedge fund, has experienced strong performance in 2024, benefiting from its advanced data-driven strategies and systematic trading models. The firm leverages machine learning and alternative data to identify market inefficiencies, contributing to robust

returns amid volatile market conditions. Quadrature's approach emphasizes risk management and adaptive algorithms, which have helped it navigate shifting policy environments and fluctuating asset flows. The fund's success underscores the growing importance of quant strategies in capturing alpha in complex markets. This performance highlights increased investor interest and capital inflows into quant-focused hedge funds.

Read more: <https://www.ft.com/content/906fd713-8341-4651-a1b7-6f7b28881bac>

FT Alphaville

■ Articles

deep-quant-lib 0.2.5

Deep-quant-lib 0.2.5 is a new release of a Python library designed for pricing American options using a signature-based primal-dual algorithm. This update potentially enhances quantitative finance models by providing more accurate and efficient option pricing methods, particularly for American-style derivatives which are more complex due to early exercise features. The library's approach may improve the precision of risk management and trading strategies involving American options. Quantitative analysts and algorithmic traders could leverage this tool to refine pricing models and optimize portfolio hedging. The release underscores ongoing advancements in computational finance tools for market practitioners.

Read more: <https://pypi.org/project/deep-quant-lib/0.2.5/>

Pypi.org

deep-quant-lib 0.2.4

The release of deep-quant-lib version 0.2.4 introduces a signature-based primal-dual engine specifically designed for pricing American options. This update is relevant for quantitative analysts and traders focusing on complex option pricing models, particularly those dealing with early exercise features inherent in American options. The primal-dual approach can enhance computational efficiency and accuracy in option valuation, potentially improving risk management and trading strategies. Market participants utilizing advanced quant libraries may find this tool beneficial for refining pricing algorithms and optimizing portfolio hedging. The availability on Pypi.org facilitates easy integration into existing quant workflows.

Read more: <https://pypi.org/project/deep-quant-lib/0.2.4/>

Pypi.org

deep-quant-lib 0.2.3

Deep-Quant-Lib 0.2.3 is a new release of a Python library focused on pricing American options using a signature-based primal-dual algorithm. This approach is relevant for quants and market practitioners dealing with complex option pricing models, particularly for American-style derivatives where early exercise features complicate valuation. The library's algorithmic advancements could enhance the accuracy and efficiency of pricing and risk management in option markets. It may also impact quantitative strategies that rely on precise option valuation and hedging. The release signals ongoing innovation in computational finance tools for derivative pricing.

Read more: <https://pypi.org/project/deep-quant-lib/0.2.3/>

Pypi.org

deep-quant-lib 0.2.2

Deep-quant-lib 0.2.2 is a new release of a Python library focused on pricing American options using a signature-based primal-dual algorithm. This approach is relevant for quantitative finance professionals dealing with complex option pricing models, especially those requiring efficient and accurate valuation of American-style derivatives. The library's methodology may enhance model precision and computational efficiency, potentially impacting trading strategies and risk management for options with early exercise features. Its availability on PyPI facilitates easy integration into existing quant workflows and algorithmic trading systems.

Read more: <https://pypi.org/project/deep-quant-lib/0.2.2/>

PyPI.org

A Conversation With Vertemis Founder Nick Graham On Transforming Market Research + Insights Functionality To Attain Competitive Advantage

Nick Graham, founder of Vertemis, discusses leveraging advanced market research and insights technology to gain a competitive edge. The focus is on transforming traditional data collection and analysis methods by integrating real-time analytics and AI-driven tools, enabling faster and more accurate market predictions. This approach enhances decision-making for investment strategies and risk management, potentially impacting asset allocation and trading flows. The adoption of such technology could shift market positioning by providing early signals on consumer trends and economic shifts. Vertemis aims to streamline insights functionality, improving responsiveness to market dynamics and investor behavior.

Read more: <https://www.forbes.com/sites/billeehoward/2025/10/19/a-conversation-with-vertemis-founder-nick-graham-on-transforming-market-research-insights-functionality-to-attain-competitive-advantage/>

Forbes

deep-quant-lib 0.2.0

Deep-quant-lib 0.2.0 is a new release of a Python library focused on pricing American options using a signature-based primal-dual algorithm. This approach is relevant for quantitative finance professionals dealing with early-exercise features in options, offering potentially improved accuracy and computational efficiency. The library could impact market participants by enhancing model calibration and risk management for American-style derivatives. Its availability on PyPI.org facilitates easy integration into existing quant workflows and algorithmic trading systems. The update signals ongoing innovation in option pricing methodologies, which may influence derivative pricing and hedging strategies.

Read more: <https://pypi.org/project/deep-quant-lib/0.2.0/>

PyPI.org

hikyuu-noarrow 2.6.9

The release of hikyuu-noarrow 2.6.9 on PyPI.org introduces updates to the Hikyuu Quant Framework, a tool designed for system trading analysis and backtesting. This framework aids quantitative traders by providing enhanced capabilities for analyzing market data, testing trading strategies, and optimizing portfolio performance. The update may include improvements in data handling, execution speed, or new analytical features, which are critical for developing robust trading algorithms. Such tools are

essential for quant funds and systematic traders focusing on data-driven decision-making and risk management. The availability of this updated version supports ongoing innovation in quantitative finance.

Read more: <https://pypi.org/project/hikyuu-noarrow/2.6.9/>

Pypi.org

hikyuu 2.6.9

The release of Hikyuu Quant Framework version 2.6.9 on Pypi.org enhances system trading analysis and backtesting capabilities. This update is relevant for quantitative traders seeking robust tools for strategy development and evaluation. The framework supports comprehensive data handling and performance metrics, facilitating improved market modeling and risk assessment. Its integration can streamline workflow for quants focusing on algorithmic trading and portfolio optimization. The update may influence the adoption of more sophisticated quantitative methods in trading firms.

Read more: <https://pypi.org/project/hikyuu/2.6.9/>

Pypi.org

sf-quant 0.1.14

The release of sf-quant 0.1.14 on Pypi.org introduces updated Python tools tailored for the Silver Fund quant team's research and trading activities. This package likely enhances data processing, strategy development, and execution capabilities, supporting quantitative analysis and systematic trading. While specific features or improvements are not detailed, such updates typically aim to optimize workflow efficiency and model accuracy. The availability of this tool can influence quant teams by providing refined resources for market data analysis and algorithmic trading. No direct market data or price action is mentioned in the release.

Read more: <https://pypi.org/project/sf-quant/0.1.14/>

Pypi.org

vnpy_scripttrader 1.1.1

The vnpy_scripttrader 1.1.1 release is a new version of the script trading application designed for the VeighNa quant trading framework. This update likely enhances algorithmic trading capabilities by providing improved tools for strategy scripting and execution within the vn.py ecosystem. While specific data points or policy changes are not detailed, the release supports quant traders by facilitating automated trading strategies, potentially impacting market flows and positioning through increased algorithmic activity. The tool's availability on Pypi.org ensures easy access for quant developers aiming to optimize trading performance.

Read more: <https://pypi.org/project/vnpy-scripttrader/1.1.1/>

Pypi.org

And the FTAV charts quiz winner is...

The FT Alphaville article announces the winner of its FTAV charts quiz, highlighting key market data and trends featured in the contest. The quiz focused on interpreting recent financial charts, emphasizing price movements, policy impacts, and market positioning. While specific data points or asset classes are not detailed in the summary, the piece underscores the importance of chart analysis in understanding market flows and investor behavior. This reflects a broader trend of using visual data tools for quantitative and discretionary trading strategies. The article serves as a reminder of the value

of chart literacy in navigating complex market environments.

Read more: <https://www.ft.com/content/348549f6-17de-463f-8c0f-4eb777854339>

FT Alphaville

FTAV's further reading

The FT Alphaville article covers a range of topics relevant to market participants, including the evolving landscape of stablecoins and their regulatory implications, which could impact crypto market stability and liquidity. It also discusses AI capital expenditure trends, signaling increased investment in technology sectors that may influence equity valuations. Additionally, the piece touches on rare earth minerals, highlighting supply chain risks critical for tech and green energy industries. Political polling and journalism insights provide context for potential policy shifts affecting market sentiment. These themes collectively offer data points and narratives that quants and investors should monitor for positioning and risk management.

Read more: <https://www.ft.com/content/3210d06b-61bc-458f-965a-5eb3e623699e>

FT Alphaville

■ AI & Finance

AI is using your data to set personalised prices online. It could seriously backfire

AI-driven personalized pricing is increasingly being used online, where consumers see different prices for the same product based on their data profiles. This dynamic pricing leverages vast amounts of personal data and machine learning algorithms to optimize prices in real-time. While it can boost sales and profits, it raises concerns about fairness and potential consumer backlash, which could impact demand and brand reputation. For markets, this trend suggests growing importance of data analytics and AI in pricing strategies, potentially affecting e-commerce revenue flows and competitive positioning. However, regulatory scrutiny and consumer trust issues may pose risks to widespread adoption.

Read more: <https://theconversation.com/ai-is-using-your-data-to-set-personalised-prices-online-it-could-seriously-backfire-266995>

The Conversation Africa

People Want To Live Their Money, Not Just Accumulate It

The article highlights a shift in consumer financial behavior, emphasizing a growing preference for spending and enjoying wealth rather than solely accumulating it. This trend challenges traditional financial industry models that benefit from asset hoarding and long-term accumulation. It also introduces an AI-based app designed to help users optimize their spending and investment strategies to balance living expenses with wealth growth. The development signals potential changes in market flows and positioning as investors may increasingly prioritize liquidity and consumption over pure accumulation, impacting asset allocation and demand patterns. This behavioral shift could influence future financial product innovation and market dynamics.

Read more: <https://www.forbes.com/sites/timmaurer/2025/10/19/people-want-to-live-their-money-not-just-accumulate-it/>

Forbes

A Closer Look at StorageVault Canada (TSX:SVI) Valuation as Share Price Rises 17% in Three Months

StorageVault Canada (TSX:SVI) shares have risen 17% over the past three months, attracting investor attention in the real estate sector. The price appreciation suggests improving market sentiment or operational performance, though specific catalysts or earnings data were not detailed. This upward movement may reflect favorable positioning or increased demand for StorageVault's storage solutions amid evolving market conditions. No explicit policy changes or significant capital flows were mentioned, but the steady price action indicates potential value recognition by market participants. Quant strategies might consider this momentum alongside valuation metrics for timing entries.

Read more: <https://finance.yahoo.com/news/closer-look-storagevault-canada-tsx-080858564.html>

Yahoo Entertainment

Affiliate Marketing Automation FAQ: Instant Payouts, Revenue Splits & Scaling Without the Guesswork

The article discusses automation in affiliate marketing, emphasizing instant payouts, revenue splits, and scaling strategies to improve efficiency. It highlights the transition from manual processes to automated systems that enable faster payment flows and better revenue management. This shift can impact market dynamics by accelerating cash flows and optimizing affiliate partnerships. While not directly tied to financial markets, the automation trends could influence digital marketing sector valuations and related tech stocks. No specific price action or policy changes are noted.

Read more: <https://instantsalesfunnels.com/affiliate-marketing-automation/>

Instantsalesfunnels.com

On Authoritarianism, Democracy, and Militarism

The article discusses historical perspectives on authoritarianism, democracy, and militarism, drawing lessons from the Nazi Holocaust and World War II. It references key philosophical works by Hannah Arendt and Karl, emphasizing the dangers of totalitarian regimes. While the piece is rich in historical and political analysis, it does not provide specific financial market data, price movements, policy changes, or flow information relevant to market or quantitative analysis. Therefore, it holds limited direct relevance for market participants or quant strategies focused on financial metrics or asset positioning.

Read more: <https://www.commondreams.org/opinion/authoritarianism-democracy-militarism>

Common Dreams

■ Quant Keywords & Mini-Glossary

Early Exercise Feature — [Option characteristic allowing holders to exercise before expiration, important in American options pricing.]

Primal-Dual Algorithm — [Computational method enhancing accuracy and efficiency in pricing American-style derivatives.]

Volatility Surface — [Graph showing implied volatility across strikes and maturities, crucial for option pricing.]

Risk Premium — [Extra return investors demand for holding riskier assets, relevant in CoCo bond valuations.]

Positioning — [Investor allocation and exposure to assets or sectors influencing market flows and price action.]

Market Volatility — [Degree of variation in asset prices, often heightened around earnings or geopolitical events.]

Earnings Surprise — [Actual corporate earnings differing from analyst forecasts, impacting stock prices and volatility.]

Equity Futures — [Derivative contracts to buy or sell equity indices at a future date, used for hedging or speculation.]

Exchange-Traded Funds (ETFs) — [Investment funds traded on exchanges, representing baskets of assets for diversified exposure.]

Systemic Risk — [Risk of collapse in an entire market or system, highlighted by AWS outage affecting market infrastructure.]

Algorithmic Trading — [Automated trading using computer algorithms to execute orders based on quantitative models.]

Backtesting — [Testing trading strategies on historical data to evaluate performance before live deployment.]

Order Flow Imbalance — [Disparity between buy and sell orders that can drive short-term price movements.]

Capital Flows — [Movements of money into or out of assets or markets, influencing liquidity and pricing.]

Risk-On/Risk-Off Sentiment — [Market mood shifting between appetite for riskier assets and preference for safety.]

Term Premium — [Additional yield investors require for holding longer-term bonds versus short-term ones.]

Yield Curve — [Graph of bond yields across maturities, indicating economic expectations and interest rate risk.]

Contingent Convertible Bonds (CoCos) — [Hybrid debt instruments that convert to equity under stress, with complex risk profiles.]

Regulatory Risk — [Potential for policy changes to impact asset valuations and market dynamics.]

Price Momentum — [Tendency of asset prices to continue moving in the same direction, used in quant strategies.]

Sector Rotation — [Shifting investment allocations between sectors based on economic or market cycles.]

Realized vs Implied Volatility — [Comparison of actual past volatility to market-expected future volatility from options.]

Market Sentiment — [Overall attitude of investors toward market conditions, influencing buying or selling pressure.]

Liquidity Risk — [Risk that an asset cannot be traded quickly without significant price impact.]

Macro Risk — [Risk arising from broad economic or geopolitical factors affecting markets globally.]