

# Quant Daily Digest

## ■ Daily Overview

**Macro & Sentiment:** The Federal Reserve's decision to pause interest rate hikes has injected a cautious tone into markets, with investors digesting the implications for growth and inflation. The nomination of Kevin Warsh, a former Fed governor known for his crisis-era policy experience, to lead the Fed has stirred debate on future monetary policy direction and central bank independence. Crypto markets remain subdued despite the Fed pause; Bitcoin holds near \$88,000 but weak ETF inflows and rising on-chain Supply in Loss metrics signal potential early bearish signals. Silver's recent parabolic rally has reversed sharply, with a historic 30% plunge in a single day, reflecting a speculative unwind and concerns over sustainability. **Equities / Rates:** Equities are likely to trade with caution amid mixed signals from monetary policy and geopolitical uncertainty surrounding Fed leadership. Rates markets have stabilized post-pause but remain sensitive to Fed communication and inflation data. The risk-off move in precious metals, especially silver, may weigh on commodity-linked equities and inflation hedges. **FX & Commodities:** The sharp silver sell-off—predicted by JPMorgan's former quant chief to potentially halve prices over the year—has spilled over into gold, which also declined significantly. Bitcoin's sideways action near \$88k underscores crypto's fragile recovery amid weak ETF demand. Broader commodity markets may face volatility as speculative excesses unwind. **What to Watch:** • Fed Chair nomination confirmation process and market reaction to Warsh's policy stance • Bitcoin on-chain metrics for confirmation of bear market signals • Silver price trajectory and impact on commodity-linked assets and inflation expectations

## ■ Hot List

### **Bitcoin holds near \$88,000 as Fed pause, weak ETF flows weigh on \$2.98T crypto market**

Bitcoin remained near \$88,000 following the Federal Reserve's decision to pause interest rate hikes, signaling a cautious macroeconomic environment. Despite the Fed's pause, weak inflows into cryptocurrency ETFs have pressured the market, contributing to a 0.9% decline in Bitcoin and a 1.59% drop in Ethereum over the past 24 hours. The overall crypto market capitalization stands at approximately \$2.98 trillion, reflecting subdued investor enthusiasm amid ongoing macro uncertainty. These price actions and ETF flow data points highlight cautious positioning among market participants.

[Read more: https://economictimes.indiatimes.com/markets/cryptocurrency/bitcoin-holds-near-88000-as-fed-pause-weak-etf-flows-weigh-on-2-98t-crypto-market/articleshow/127761304.cms](https://economictimes.indiatimes.com/markets/cryptocurrency/bitcoin-holds-near-88000-as-fed-pause-weak-etf-flows-weigh-on-2-98t-crypto-market/articleshow/127761304.cms)

The Times of India

### **Bitcoin Supply In Loss Turns Upward—Early Bear Market Signal?**

On-chain data reveals that Bitcoin's Supply in Loss metric, specifically the 365-day simple moving average (SMA), has started to rise recently. Historically, increases in this indicator have preceded bearish market phases in previous Bitcoin cycles. This shift suggests that a growing portion of Bitcoin holders are currently underwater on their positions, potentially signaling increased selling pressure ahead. Market participants and quants may view this as an early warning sign of a downturn, influencing positioning and risk management strategies. Monitoring this metric could be crucial for anticipating shifts in Bitcoin's market dynamics.

Read more:

<http://www.newsbtc.com/bitcoin-news/bitcoin-supply-loss-upward-early-bear-market-signal/>

newsBTC

## **Red-hot silver is 'almost guaranteed' to plunge 50% in the next year, JPMorgan's former quant chief says**

Former JPMorgan quant chief Marko Kolanovic warns that the recent sharp rally in silver prices is unsustainable and predicts a potential 50% decline within the next year. The surge in silver, driven partly by speculative and meme-like trading behavior, has raised concerns about overextended positioning and a likely correction. This outlook aligns with broader caution in precious metals markets, where rapid price appreciation often triggers profit-taking and volatility. Market participants should monitor silver futures positioning and retail investor flows closely, as these factors could accelerate the anticipated downturn. The warning underscores the risks of momentum-driven rallies in commodity markets.

Read more: <https://www.businessinsider.com/silver-prices-outlook-marko-kolanovic-jpmorgan-plunge-gold-metals-rally-2026-1>

Business Insider

## **Function as a Service Research Report 2026 - Global Market Size, Trends, Opportunities, and Forecasts, 2021-2025 & 2026-2031**

The Global Function as a Service (FaaS) market is projected to grow significantly through 2031, driven by increased adoption of AI/ML workloads and multi-cloud strategies. Key market drivers include enhanced developer productivity and cost efficiencies enabled by pay-as-you-go pricing models. Despite challenges like cold start latency, demand for serverless computing solutions is rising, reflecting broader cloud infrastructure trends. This growth trajectory suggests increased capital flows into cloud-native technologies and potential shifts in enterprise IT spending patterns. Market participants and investors should monitor FaaS adoption rates and cloud service provider positioning for strategic insights.

Read more: <https://www.globenewswire.com/news-release/2026/01/29/3228831/28124/en/Function-as-a-Service-Research-Report-2026-Global-Market-Size-Trends-Opportunities-and-Forecasts-2021-2025-2026-2031.html>

GlobeNewswire

## **Everything you need to know about Kevin Warsh, Trump's pick to lead the Federal Reserve**

Kevin Warsh, a former Federal Reserve governor, has been nominated by President Donald Trump to lead the Federal Reserve. Warsh's tenure at the Fed was marked by a focus on monetary policy and regulatory issues during the financial crisis, with a reputation for a data-driven and cautious approach. His nomination signals potential continuity in Fed policy, emphasizing gradual interest rate adjustments and careful monitoring of inflation and employment data. Markets may interpret his leadership as favoring stability over aggressive easing or tightening, impacting bond yields and equity valuations. Warsh's stance on regulatory reform could also influence financial sector positioning and risk appetite.

Read more: <https://www.cnbc.com/2026/01/30/who-is-kevin-warsh-trumps-fed-chair-pick.html>

US Top News and Analysis

## **Silver plunges 30% in worst day since 1980, gold tumbles as Warsh pick eases Fed independence fear**

Silver experienced a dramatic 30% drop on Friday, marking its worst single-day decline since 1980, while gold also saw significant losses. This sharp sell-off followed a period of sustained gains driven by investor demand for safe-haven assets amid economic uncertainties. The catalyst appears to be comments from a Warsh pick, which alleviated fears about the Federal Reserve's independence, leading to a reduction in safe-haven flows. The move triggered a rapid unwinding of long positions in precious metals, with silver particularly affected due to its higher volatility and leveraged positioning. Market participants are now reassessing risk and positioning ahead of upcoming policy signals.

[Read more:](#)

<https://www.cnn.com/2026/01/30/silver-gold-fall-price-usd-dollar-fed-warsh-chair-trump-metals.html>

US Top News and Analysis

## **GameStop's Ryan Cohen eyes 'very big' consumer megadeal that could increase company's value tenfold**

GameStop CEO Ryan Cohen is targeting a "very big" consumer megadeal that could potentially increase the company's value tenfold. While he did not specify details, Cohen hinted at the possibility of leveraging GameStop's bitcoin holdings to finance the acquisition. This strategic move signals a shift towards aggressive expansion and diversification beyond gaming retail. Market participants should watch for potential large-scale M&A; activity that could significantly impact GameStop's stock price and sector positioning. The company's bitcoin assets and acquisition plans may drive increased volatility and trading volume in the near term.

[Read more:](#)

<https://www.cnn.com/2026/01/30/gamestop-ceo-ryan-cohen-targets-consumer-mega-deal.html>

US Top News and Analysis

## **Eli Lilly CEO says Medicare coverage of obesity drugs could 'change the game' for upcoming pill launch**

Eli Lilly CEO Dave Ricks highlighted the potential impact of Medicare coverage for obesity drugs, suggesting it could significantly boost demand for the company's upcoming obesity pill. The firm is gearing up for a full commercial launch in Q2, anticipating strong market uptake driven by expanded insurance access. This development could influence Eli Lilly's revenue trajectory and stock performance, as broader coverage typically enhances patient access and sales volume. Investors and quant models may monitor prescription trends and insurance policy updates closely to gauge the drug's market penetration and impact on Lilly's financials.

[Read more:](#)

<https://www.cnn.com/2026/01/30/eli-lilly-ceo-david-ricks-medicare-coverage-obesity-pills.html>

US Top News and Analysis

## **Stock Market Today, Jan. 30: Apple Advances After Strong Earnings as Focus Turns to Supply and AI**

Apple shares rose following strong earnings driven by record iPhone sales, signaling robust consumer demand despite broader market uncertainties. The company highlighted ongoing supply chain constraints, which remain a key risk factor for future growth. Investor focus is increasingly on Apple's AI

initiatives, as the tech giant integrates advanced AI features into its product lineup, potentially boosting long-term revenue streams. Market participants are adjusting positioning in tech stocks, reflecting optimism around AI but caution due to supply issues. Overall, Apple's performance and strategic pivot to AI are influencing tech sector flows and sentiment.

Read more: <https://www.fool.com/coverage/stock-market-today/2026/01/30/stock-market-today-jan-30-apple-advances-after-strong-earnings-as-focus-turns-to-ai-and-supply/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

## Stock Market Today, Jan. 30: Gold Plunges As Dollar Strengthens

On January 30, 2026, gold prices experienced a significant decline, driven by a strengthening U.S. dollar. This move pressured precious metals broadly and coincided with a pullback in growth stocks, reflecting risk-off sentiment. The dollar's appreciation likely stemmed from expectations of tighter monetary policy or stronger economic data, impacting commodity prices negatively. Equity markets showed mixed reactions, with defensive sectors outperforming amid the volatility. Positioning data suggests investors reduced exposure to gold and growth equities, favoring dollar-denominated assets. This shift highlights the sensitivity of metals and growth stocks to currency fluctuations and policy outlooks.

Read more: <https://www.fool.com/coverage/stock-market-today/2026/01/30/stock-market-today-jan-30-gold-plunges-as-dollar-strengthens/?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

## Deutsche Bank Sees Relative Opportunity at NNN REIT Despite Weak REIT Backdrop

Deutsche Bank upgraded NNN REIT, Inc. (NYSE:NNN) to Buy from Hold, setting a \$47 price target as part of its 2026 outlook. This upgrade comes despite a challenging environment for the broader REIT sector, highlighting NNN's relative strength. NNN is also recognized among 14 High Yield Dividend Stocks with Sustainable Payouts, emphasizing its attractive income profile. The bank's positive stance suggests confidence in NNN's fundamentals and dividend sustainability amid sector headwinds. This upgrade may influence positioning and flows into NNN as investors seek resilient REIT opportunities.

Read more:

<https://finance.yahoo.com/news/deutsche-bank-sees-relative-opportunity-222051064.html?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

## Stock Market Today: Dow Sinks On Inflation, Fed News; Gold, Silver Stocks Plunge (Live Coverage)

The Dow Jones Industrial Average declined sharply on Friday following unexpected inflation data that heightened concerns about potential Federal Reserve tightening. The market reacted negatively to the Warsh nomination to the Fed, adding to uncertainty around future monetary policy. Meanwhile, Tesla shares surged on positive news related to SpaceX developments, providing a rare bright spot. Precious metals suffered significant losses, with gold and silver stocks plunging amid rising real yields and a stronger dollar. These moves reflect shifting investor positioning towards risk assets and away from traditional safe havens amid evolving inflation and policy expectations.

Read more: <https://finance.yahoo.com/m/309ac7ff-3375-319d-8c4a-6f27b01aa483/stock-market-today-%3A-dow-sinks.html?tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

## Earnings live: Verizon, Sandisk stocks surge to cap a Big Tech-heavy earnings week

Verizon and Sandisk stocks surged following their earnings reports, capping a week dominated by Big Tech earnings. The strong performance in these names contributed to positive market sentiment amid a broader tech-heavy earnings season. Investors are now focused on upcoming results from Amazon and Alphabet, which are expected to provide further direction for the sector. Market participants are closely watching earnings beats and guidance for signs of sustained demand and margin pressures. The tech sector's earnings flow continues to be a key driver of equity market positioning and volatility.

Read more: <https://finance.yahoo.com/news/live/earnings-live-verizon-sandisk-stocks-surge-to-cap-a-big-tech-heavy-earnings-week-215833784.html?.tsrc=rss>

Yahoo! Finance: ^GSPC ^IXIC ^DJI News

## The memory market melt-up is only getting wilder

The memory chip market is experiencing an unprecedented surge, with prices for DRAM and NAND flash memory climbing sharply due to robust demand and supply constraints. Key suppliers like Samsung and Micron are reporting strong revenue growth, driven by increased orders from data centers and consumer electronics. This price rally is fueling significant gains in semiconductor stocks, attracting heightened investor interest and speculative positioning. Market participants are closely monitoring inventory levels and production capacity expansions, as any shifts could rapidly alter the supply-demand balance. The ongoing memory market melt-up underscores the sector's volatility and its critical role in broader tech market dynamics.

Read more: <https://www.ft.com/content/fe9c74eb-7207-4206-8963-be1f06a06cb5>

FT Alphaville

## Wall Street analysts weigh Warsh

Wall Street analysts are closely evaluating the potential impact of Kevin Warsh's views on monetary policy amid ongoing market volatility. Warsh, a former Fed governor, has expressed concerns about inflation persistence and the need for a cautious approach to rate cuts. Market participants are digesting these signals, which could influence expectations for the Federal Reserve's future policy path. This has led to shifts in positioning, with some traders adjusting duration and inflation-linked assets exposure. The debate highlights the tension between growth concerns and inflation risks, affecting bond yields and equity valuations.

Read more: <https://www.ft.com/content/7ef2241a-310b-4141-a49b-d2a7c8e5946e>

FT Alphaville

## Arise, shadow Fed chair Stan Druckenmiller

Stan Druckenmiller, a prominent investor, is gaining attention for his macroeconomic views, often dubbed "Druckenomics." He advocates for a more hawkish Federal Reserve stance, warning of persistent inflation risks and potential market volatility. Druckenmiller's positioning includes significant short exposure to long-duration bonds, reflecting expectations of rising yields. His views contrast with some market consensus, emphasizing the need for tighter monetary policy to combat inflation. This stance influences flows into inflation-sensitive assets and impacts bond market dynamics, signaling potential shifts in Fed policy expectations and risk premia. Market participants are closely watching his moves as a barometer for future Fed actions.

Read more: <https://www.ft.com/content/c215ea2a-5087-4e17-b16b-c1b3efce2991>

## ■ Articles

### **convert-to-quant 1.0.6**

The release of convert-to-quant 1.0.6 on Pypi.org introduces a tool for converting safetensors weights into quantized formats such as FP8 and INT8. This version includes learned rounding optimization, which can enhance the precision and efficiency of quantized models. For quant-focused market participants, this development may improve the performance of machine learning models used in algorithmic trading and risk management by reducing computational load while maintaining accuracy. The tool's availability could accelerate adoption of advanced quantization techniques in financial data processing workflows.

Read more: <https://pypi.org/project/convert-to-quant/1.0.6/>

Pypi.org

### **convert-to-quant 1.0.5**

The release of convert-to-quant 1.0.5 on Pypi.org introduces a tool for converting safetensors weights into quantized formats such as FP8 and INT8. This version incorporates learned rounding optimization, which can enhance the precision and efficiency of quantized models. While not directly related to financial markets, this advancement in quantization technology could impact quantitative finance by improving the performance of machine learning models used in trading algorithms and risk management. Enhanced model efficiency may lead to faster data processing and more accurate predictions in market analysis.

Read more: <https://pypi.org/project/convert-to-quant/1.0.5/>

Pypi.org

### **Bacon Flavors Market Size to Exceed USD 2.76 Billion by 2035 | Towards FnB**

The global bacon flavors market is projected to grow from USD 1.59 billion in 2026 to USD 2.76 billion by 2035, reflecting a compound annual growth rate (CAGR) of 6.3%. This growth indicates increasing demand and expanding use of bacon flavoring in the food and beverage sector. The forecast period from 2026 to 2035 suggests steady market expansion, driven by consumer preference trends and product innovation. Market participants and investors may consider this sector for potential growth opportunities, given the consistent upward trajectory in valuation. No immediate policy or flow data is indicated.

Read more: <https://www.globenewswire.com/news-release/2026/01/29/3228454/0/en/Bacon-Flavors-Market-Size-to-Exceed-USD-2-76-Billion-by-2035-Towards-FnB.html>

GlobeNewswire

### **Soluble Corn Fiber Market Size to Worth USD 83.18 Billion by 2035, Driven by clean-label reformulation, functional beverages, and advanced ingredient optimization**



The global soluble corn fiber market is projected to grow from USD 52.02 billion in 2026 to USD 83.18 billion by 2035, reflecting a CAGR of 4.7%. Key growth drivers include clean-label reformulation trends, rising demand for functional beverages, and advancements in ingredient optimization. This steady expansion signals increasing investment and innovation in the food and beverage sector, particularly in health-focused product lines. Market participants may see opportunities in developing new formulations and targeting health-conscious consumers. The data suggests sustained positive momentum for related commodity and ingredient suppliers over the next decade.

Read more: <https://www.globenewswire.com/news-release/2026/01/29/3228452/0/en/Soluble-Corn-Fiber-Market-Size-to-Worth-USD-83-18-Billion-by-2035-Driven-by-clean-label-reformulation-functional-beverages-and-advanced-ingredient-optimization.html>

GlobeNewswire

## **speterlin-stocks 1.2.9**

The speterlin-stocks 1.2.9 Python package offers a comprehensive suite for quantitative trading in stocks, integrating multiple data sources and brokerage APIs. It supports margin trading with 2x leverage on NYSE and NASDAQ via Alpaca brokerage, enabling efficient capital deployment. The package aggregates market data from Financial Modeling Prep, Google Trends, Yahoo Finance, and Google Finance, facilitating enhanced market sentiment and fundamental analysis. This integration allows quants to develop, backtest, and execute strategies with real-time data and order execution capabilities. The tool is positioned to streamline quant workflows and improve trading decision-making through diverse data inputs and API connectivity.

Read more: <https://pypi.org/project/speterlin-stocks/1.2.9/>

Pypi.org

## **pwb-toolbox 0.1.27**

The pwb-toolbox version 0.1.27 has been released on Pypi.org, offering a new toolbox library tailored for quantitative traders. This update may include enhanced functionalities or bug fixes aimed at improving data analysis, strategy development, or execution efficiency for quants. While specific features or changes are not detailed, the availability of such a tool can aid in processing market data, managing positions, or optimizing trading algorithms. The release underscores ongoing efforts to support quantitative trading through specialized software libraries. Market participants relying on algorithmic strategies might find this toolbox beneficial for refining their models or workflows.

Read more: <https://pypi.org/project/pwb-toolbox/0.1.27/>

Pypi.org

## **Additive Manufacturing with Metal Powders Market Volume Worth 36,872.60 Tons by 2035**

The global additive manufacturing market using metal powders is projected to expand significantly, with volume expected to increase from 6,543.7 tons in 2026 to 36,872.6 tons by 2035. This represents a compound annual growth rate (CAGR) that signals robust demand in sectors such as aerospace, automotive, and healthcare. The surge in metal powder usage highlights growing industrial adoption of 3D printing technologies, potentially impacting raw material markets and supply chains. Investors and quant strategies may monitor related equities and commodities for exposure to this expanding segment. The data suggests strong long-term growth potential in additive manufacturing inputs.

Read more: <https://www.globenewswire.com/news-release/2026/01/28/3227778/0/en/Additive-Manufacturing-with-Metal-Powders-Market-Volume-Worth-36-872-60-Tons-by-2035.html>

## **Partial government shutdown on track; Senate to vote on deal after Graham drops hold**

The U.S. government faces a partial shutdown as Senate negotiations continue, with a vote on a funding deal expected after Senator Lindsey Graham lifts his hold. The proposed agreement aims to resolve Democratic concerns over Department of Homeland Security (DHS) funding, particularly related to enforcement actions in Minnesota. Market participants are closely watching the political developments, as a shutdown could disrupt economic data releases and increase volatility. The resolution could stabilize short-term Treasury yields and reduce risk premiums in equity markets. Positioning in government bonds and USD may adjust based on the shutdown's duration and final funding terms.

**Read more:** <https://www.cnn.com/2026/01/30/government-shutdown-senate-vote-dhs.html>

US Top News and Analysis

## **FTAV's Friday chart quiz**

The FT Alphaville Friday chart quiz presents a visual data challenge, focusing on interpreting recent market trends and price movements. While the article itself is a quiz format, it highlights key financial metrics and patterns relevant to market participants, including shifts in asset prices and volume flows. The quiz encourages readers to analyze quantitative data and positioning to better understand underlying market dynamics. This approach aids quants and traders in refining their analytical skills by engaging with real-world financial data. No explicit policy changes or new flows are detailed, but the emphasis is on data-driven market interpretation.

**Read more:** <https://www.ft.com/content/a9b12f94-cad2-47bd-9ac9-fef164cae604>

FT Alphaville

## **FTAV's further reading**

The FT Alphaville article titled "FTAV's further reading" covers a range of topics including Ireland's economic outlook, inflation trends, and consumer behavior insights such as cookie usage. It also touches on London's market dynamics, the impact of social media platforms like TikTok on market sentiment, and unusual demand spikes for items like gas masks. These elements provide a nuanced view of current market conditions, highlighting shifts in inflation expectations, digital influence on trading flows, and evolving consumer positioning. The piece serves as a resource for understanding diverse factors influencing market behavior and investor strategies.

**Read more:** <https://www.ft.com/content/993ca0e2-bd62-4a4f-b152-787333a1c015>

FT Alphaville

## **■ AI & Finance**

### **Ashford Wells Launches AI-Driven Market Analysis Platform for Global Users**

Ashford Wells, an Australian fintech firm, has launched a new AI-driven market analysis platform aimed at global users. The platform leverages advanced machine learning algorithms to analyze vast datasets, providing real-time insights into market trends, price action, and potential trading



opportunities. It is designed to enhance decision-making for quantitative traders by integrating diverse data points such as order flow, volatility metrics, and macroeconomic indicators. The tool aims to improve predictive accuracy and risk management in fast-moving markets. This launch reflects growing adoption of AI technologies in financial analytics and trading strategies.

Read more: <https://www.globenewswire.com/news-release/2026/01/29/3228983/0/en/Ashford-Wells-Launches-AI-Driven-Market-Analysis-Platform-for-Global-Users.html>

GlobeNewswire

## **Finance Cloud Research Report 2026 - Global Market Size, Trends, Opportunities, and Forecasts, 2021-2025 & 2026-2031**

The Finance Cloud Market is projected to grow significantly from 2021 to 2031, driven by AI integration, modernization of legacy financial systems, and increased adoption of hybrid and multi-cloud environments. Key trends include improving operational agility, supporting open banking ecosystems, and enhancing cybersecurity measures. These developments are expected to influence financial institutions' IT spending and cloud infrastructure investments. The report highlights opportunities for vendors offering scalable, secure, and compliant cloud solutions tailored to finance. Market growth is also supported by regulatory pressures and the need for real-time data analytics in financial services.

Read more: <https://www.globenewswire.com/news-release/2026/01/29/3228813/28124/en/Finance-Cloud-Research-Report-2026-Global-Market-Size-Trends-Opportunities-and-Forecasts-2021-2025-2026-2031.html>

GlobeNewswire

## **How AI-Driven Creative Is Redefining B2B Advertising Performance**

The article highlights how AI-driven creative strategies are transforming B2B advertising by shifting focus from vanity metrics to tangible business outcomes. Utilizing generative insights, predictive modeling, and dynamic optimization, advertisers can enhance pipeline generation and revenue growth. This data-centric approach enables more precise targeting and efficient allocation of marketing budgets, potentially influencing ad spend flows and campaign performance metrics. The integration of AI tools may also affect market positioning for firms leveraging advanced analytics in their advertising strategies. These developments underscore the increasing role of AI in optimizing marketing effectiveness and driving measurable financial impact.

Read more:

<https://www.marketingprofs.com/articles/2026/54244/ai-driven-creative-b2b-advertising-performance>

MarketingProfs.com

## **7 Scikit-learn Tricks for Hyperparameter Tuning**

The article from Kdnuggets.com outlines seven advanced Scikit-learn techniques to enhance hyperparameter tuning in machine learning models. These methods aim to optimize model performance by efficiently searching parameter spaces, improving cross-validation strategies, and leveraging parallel processing to reduce computation time. The insights are particularly relevant for quantitative analysts and data scientists focused on refining predictive models used in financial markets. Enhanced hyperparameter tuning can lead to more accurate forecasting, better risk management, and improved algorithmic trading strategies. The practical tips can help market participants extract more value from their data-driven models.

Read more: <https://www.kdnuggets.com/7-scikit-learn-tricks-for-hyperparameter-tuning>

Kdnuggets.com

## ■ Quant Keywords & Mini-Glossary

**Supply in Loss (Bitcoin)** — [Percentage of Bitcoin holders currently underwater on their positions, signaling potential selling pressure.]

**Simple Moving Average (SMA)** — [Averages asset prices over a set period to identify trends and smooth out volatility.]

**ETF Flows** — [Net inflows or outflows of capital into exchange-traded funds, indicating investor demand or withdrawal.]

**Market Capitalization** — [Total market value of all outstanding shares or assets in a market or sector.]

**Volatility** — [Measure of price fluctuations or variability over time, indicating market risk.]

**Momentum-driven Rally** — [Price increases fueled by investor enthusiasm rather than fundamentals, often leading to corrections.]

**Positioning** — [The aggregate exposure or stance of market participants in various assets or sectors.]

**Risk Appetite** — [Investors' willingness to take on risk in pursuit of higher returns.]

**Safe-haven Flows** — [Capital moving into assets perceived as low risk during market uncertainty.]

**Leverage** — [Use of borrowed funds to amplify investment exposure and potential returns or losses.]

**Realized Volatility** — [Actual historical volatility calculated from past price movements.]

**Implied Volatility** — [Market's forecast of future volatility derived from option prices.]

**Order Flow** — [The buying and selling pressure in the market reflected by executed trades.]

**Interest Rate Pause** — [Central bank decision to temporarily halt changes in benchmark interest rates.]

**Monetary Policy Tightening** — [Actions by central banks to raise interest rates or reduce liquidity to curb inflation.]

**Term Premium** — [Extra yield investors demand for holding longer-term bonds over short-term ones.]

**Dividend Sustainability** — [Ability of a company or REIT to maintain or grow dividend payments over time.]

**Margin Trading** — [Borrowing funds to increase investment size, amplifying gains and losses.]

**Leverage Ratio** — [Ratio of borrowed funds to equity in an investment or trading position.]

**Risk-off Sentiment** — [Market mood favoring safer assets due to increased uncertainty or risk.]

**Currency Strength (Dollar)** — [Appreciation of a currency impacting asset prices and international flows.]

**Profit-taking** — [Selling assets to realize gains after price increases.]

**Mergers and Acquisitions (M&A;)** — [Corporate actions involving buying, selling, or combining companies.]

**Hyperparameter Tuning** — [Optimizing model parameters to improve predictive accuracy in machine learning.]

**Quantization (FP8, INT8)** — [Reducing numerical precision in models to improve computational efficiency with minimal accuracy loss.]