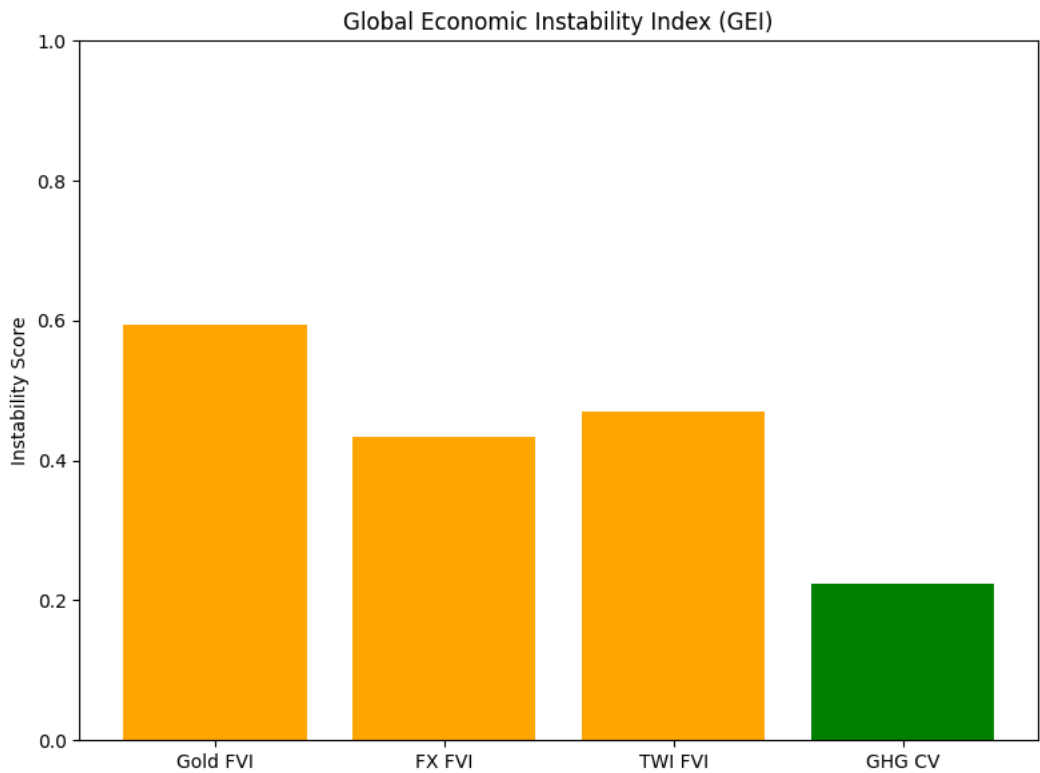


Fractal Volatility Index for NVDA : 0.468. Market Wide FVI:0.478
(0 - 0.33: Stable, 0.33 - 0.66: Moderate Volatility, 0.66 - 1: High Volatility)



Global Geopolitical Volatility



Red: High Risk FVI zone,Orange: Medium Risk FVI zone, Green: Low Risk FVI zone

Verv Stock Analysis Report: NVIDIA Corporation NVDA FVI 0.468

Analysis Period: 2021-07-15 to 2026-07-15

Global Geopolitical Fractal Volatility (Gold, Forex, TWI (Tariffs) and GHG Emissions)

FVI_GOLD: 0.593608 => Moderate gold volatility, likely reflecting investor caution
FVI_FX: 0.434301 => Low FX volatility; currency markets stable for now
FVI_TWI: 0.469352 => Moderate TWI volatility; minor export/import fluctuations
GHG_CV: 0.223036 => Moderate emissions volatility; sector-level uncertainty exists
Primary Risk Driver: Gold volatility is a good proxy for global geopolitical risk. 0.593608.

The Fractal Volatility Index (FVI) is scaled between 0 and 1 reflecting the stock's overall volatility. A higher score indicates greater unpredictability and market instability.

Unlike traditional volatility indicators like VIX or Beta, FVI does not track short-term fluctuations—it detects hidden instability before it manifests in price swings.
FVI is a composite score that incorporates Lyapunov Exponent, Hurst Exponent, and Detrended Fluctuation Analysis (DFA).

Breakout Probability Score (BPS): 0.354

Breakout Probability Score (BPS) quantifies price momentum likelihood: BPS > 1.5 suggests high breakout potential, while BPS < 0.5 indicates consolidation.

(BPS > 1.5 High breakout potential - Strong momentum, watch for confirmation.)

(BPS 0.5 - 1.5 Moderate breakout likelihood - Possible move, monitor closely.)

(BPS < 0.5 Low breakout probability - Likely consolidation or range-bound.)

Request ID: FVI

Account ID: WeeklyReport

Fractal & Statistical Analysis

FVI Score: 0.468 (Fractal Volatility Index FVI)

DFA Result: 0.5082 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0153 (Measures chaos and predictability)

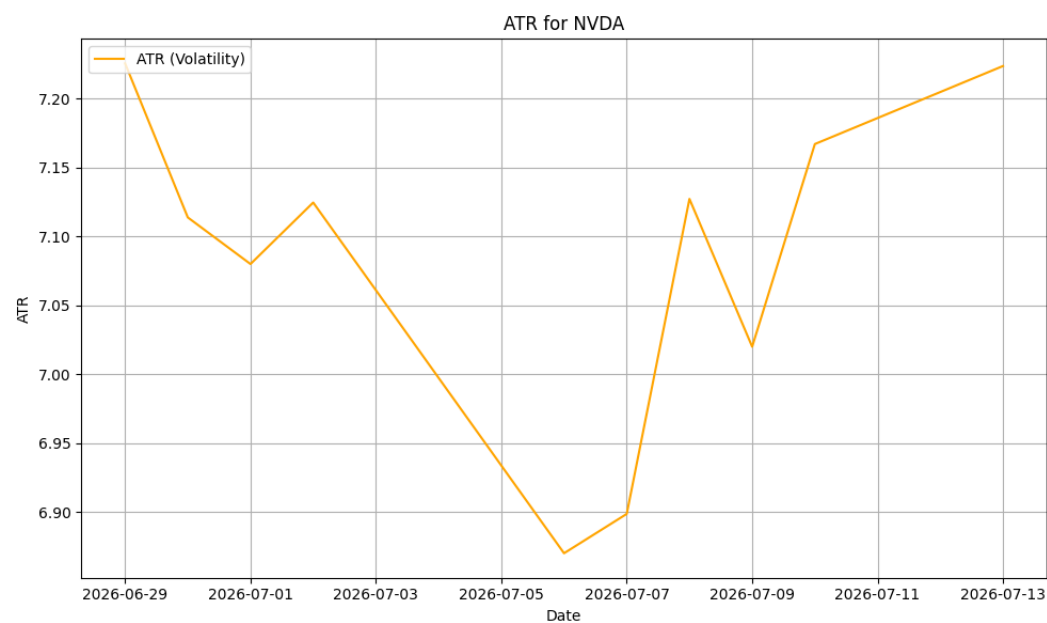
Hurst Exponent: 0.4501 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 203.53 is within the Bollinger Bands range (190.09 - 213.68).

Latest ATR: 7.2237

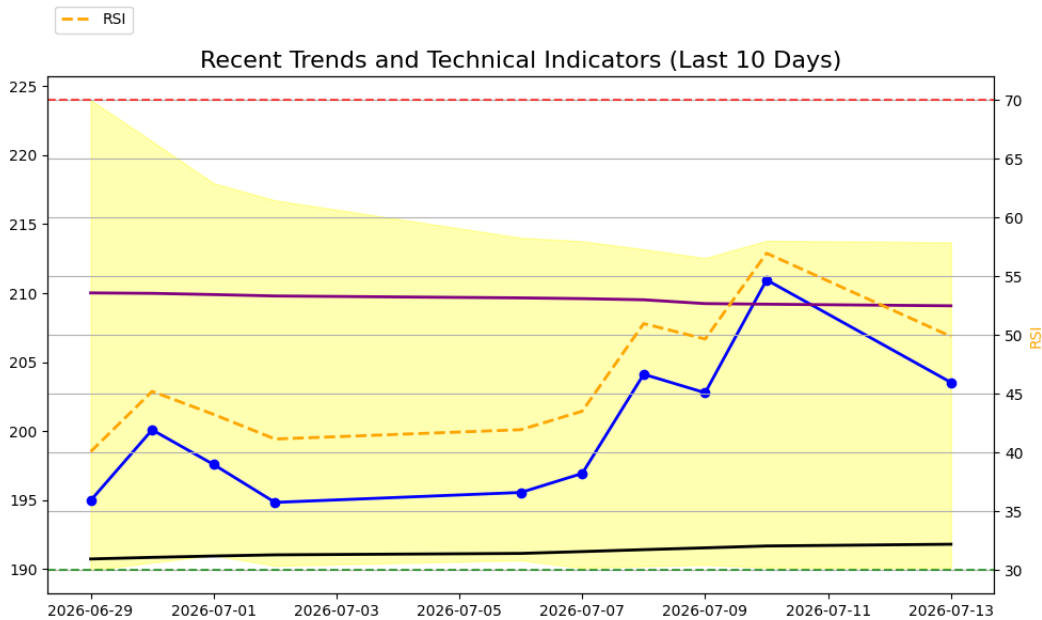
Average True Range (ATR)



The ATR measures the recent price volatility of a stock, calculating the average range between its high and low prices over a given period (usually 14 days). A higher ATR indicates greater market volatility, and a lower ATR indicates less volatility.

Low ATR (below 2): Stable stock, Moderate ATR (2-5): Mild volatility, High ATR (above 5): Highly volatile stock

Technical Indicators



Left y axis - Stock Price. Right y axis - RSI range values (30 - 70)

Close Price(blue line with circles) - Key indicator of the stock's price action and is often used to identify trends or patterns. A rising close price generally indicates an upward trend, while a falling close price shows a downward trend.

SMA_50 and SMA_200 - (purple line SMA_50, black line SMA_200) Simple Moving Averages (SMA) calculated over 50 and 200 periods. Helps identify the direction of stock price trend.

Bollinger Bands - (shaded in yellow): Bollinger Bands consists of upper, middle and lower prices. The middle line is the moving average. Price reaching the upper band can indicate an overbought condition, suggesting the stock might be due for a pullback. Price touching the lower band could indicate an oversold condition, suggesting a potential buying opportunity. When the price moves outside the bands, it may indicate extreme conditions.

Relative Strength Index RSI - (orange dotted line): The RSI is a momentum oscillator that measures the speed and change of price movements. An RSI above 70 suggests the stock is overbought and might be due for a pullback. An RSI below 30 suggests the stock is oversold and might be due for a rebound. An RSI in between indicates a more neutral market condition.

AI-Generated Market Insights

Investment Report:

--- INVESTMENT REPORT ---

1. Volatility & Breakout Potential

- NVDA appears to be in a regime of relative stability, with a FVI of 0.468 indicating neither extreme chaos nor extreme stability.
- The FVI does not suggest a high degree of acceleration or noise, implying that the stock may be experiencing steady growth.
- Lyapunov, at 0.015, is relatively low compared to market-wide values, indicating less instability.
- The Bollinger Bands do not show strong expansion or contraction, suggesting a lack of significant volatility.
- The volume change of 11.39% does not strongly confirm price moves.

2. Market Sentiment

- The stock's behavior suggests institutional-driven activity.
- Investor mood appears to be cautiously optimistic, given the stability in volatility and lack of strong breakout signals.

3. Geopolitical Risk Assessment

- The relatively low FVI values for gold, FX, and TWI suggest a moderate level of global stress.
- The technology sector sensitivity score of 0.04825 suggests low exposure to energy, transport, and emissions volatility.
- As a globalized tech company, NVDA may be exposed to tariff risks and supply-chain dependencies.

4. Sector and Supply Chain Exposure

- As a tech company, NVDA may be dependent on Asia-sourced components such as semiconductors.
- Given its sector, the company may face hidden global input risks not captured in static industry codes.

4. Strategy Recommendation

- NVDA appears to be in a consolidation phase.
- A trend-following strategy may be optimal given the lack of strong breakout signals and moderate volatility.
- The BPS + FVI pattern does not strongly suggest an imminent breakout.

--- FINAL TAKEAWAY ---

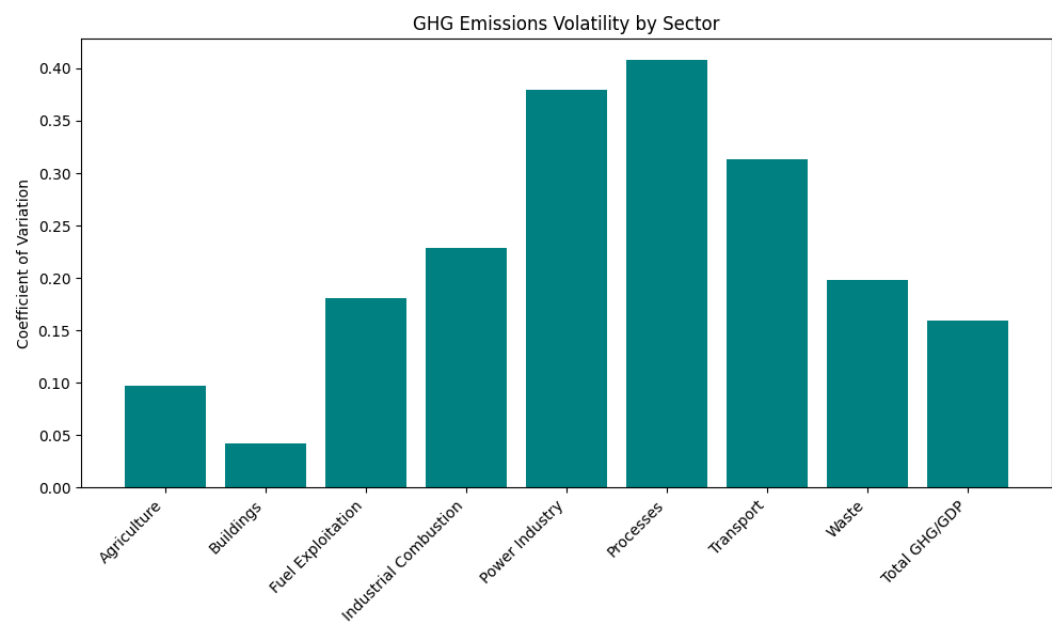
NVDA is showing signs of steady growth with moderate volatility. The company appears to be in a consolidation phase, and a trend-following strategy may be optimal. However, as a globalized tech company, it may face exposure to tariff risks and supply-chain dependencies. Investors should remain cautious and vigilant to any changes in global stress indicators.

Market Capitalization: 5109662089000, Industry: SEMICONDUCTORS, Latest Volume: 121411018, Description: NVIDIA Corporation, Sector: TECHNOLOGY, Price to Book: 26.14, Trailing PE: 32.26, Forward PE: 24.04, Enterprise to Ebitda: 26.13, Enterprise to Revenue: 19.89, Profit Margins: 0.63

The trading volume has changed by 11.39% over the past week, indicating potential shifts in market sentiment. Please factor this into the volatility and risk analysis.

Beta measures stock volatility relative to the overall market: 2.21
Beta of 2.21 suggests high volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



Low GHG impact (0.048) for theTechnology sector.
Disclaimer: The Fractal Volatility Index (FVI) measures structural market instability, not short-term price direction. High FVI (red dot) does not necessarily indicate a price breakout—rather, it signals unpredictable price behavior and potential structural shifts. While market instability can precede significant moves in either direction, Verv Stock Reports do not predict price trends but offer insight into underlying volatility patterns. Investors should interpret FVI alongside fundamental and technical analysis before making decisions.

Stock Market Price Credibility Report

Analysis based on current global macroeconomic and geopolitical information.

Market_Price_Credibility_Analysis:

```
{  
  "Final_Score": 0.247,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": -0.786,  
  "Deception_Risk": 0.808,  
  "Trumpery_Alert": true,  
  "Summary": "Rates are low, truth is lower."  
}
```

Rising U.S. debt and deficit levels, along with a trend of declining foreign demand for U.S. bonds, suggest a disconnect between the narrative of U.S. fiscal health and the underlying reality. This is reflected in the NRDl score of 0.75.

Changes in U.S. Treasury bond yields and issuance, along with central bank interventions such as rate cuts and quantitative easing, indicate a level of manipulation or performative policymaking, triggering a Trumpery Alert.

The use of tariffs and sanctions as economic tools, along with the influence of BRICS+ and de-dollarization trends, suggest a geopolitical reality that is not fully captured by the prevailing economic narrative.

Inflation vs. official interest rate policy is another area where the narrative and reality may not align, with inflationary pressures potentially being underestimated.

Finally, gold volatility and geopolitical hedging suggest that investors are seeking safe havens, a sign of underlying economic uncertainty not fully reflected in the narrative.

The satirical summary, "If you believe this is market forces, we've got a bridge to sell you," underscores the potential disconnect between narrative and reality in the current economic landscape.

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Deception Risk:

Between 0 and .2, markets appear fundamentally sound, no price distortion.

Between .2 and .4 there may be some irrationality or manipulation. Caution is advised.

Between .4 and .6 there are signals of disconnect between narratives and reality.

Between .6 and .8 distortions mean possible financial gaslighting.

Between .8 and 1 signals a confidence scam - you are being sold a bridge.

What Price Credibility Sell You a Bridge Index captures:

Price to Volume Divergence PVD.' When price rises while volume drops is suspicious behavior.

A Narrative Reality Dislocation Index NRDIndex is an AI score for disconnect between corporate statements and underlying fundamentals.

A Volatility Persistence Score VPI. When volatility indicators stay low despite geopolitical/economic chaos.

The Macro Score includes Tariff Impact Denial. High tariffs plus high exposure plus rising stock. This may be a trumpery illusion alert.

Treasury Detector TFD Liquidity Masking Metric. Fed/Treasury injections may be affecting retail activity or debt spreads.

The Media Sentiment Mismatch is included. This is where news tone is contrary to actual market data (e.g. bullish despite bond collapse).

Note: Trumpery derives from a French word meaning to deceive, in many dictionaries showy but worthless.

_____ **END OF REPORT** _____