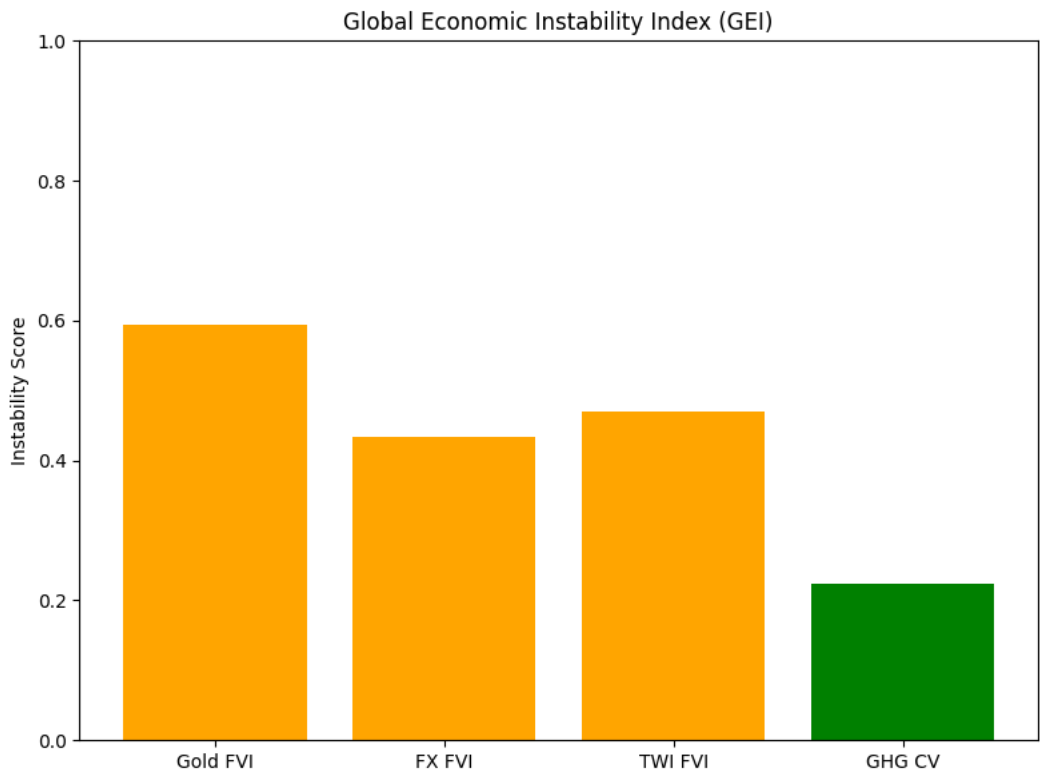


Fractal Volatility Index for GOOGL : 0.447. Market Wide FVI:0.478
(0 - 0.33: Stable, 0.33 - 0.66: Moderate Volatility, 0.66 - 1: High Volatility)



Global Geopolitical Volatility



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

Verv Stock Analysis Report: Alphabet Inc Class A GOOGL FVI 0.447

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): -0.647

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

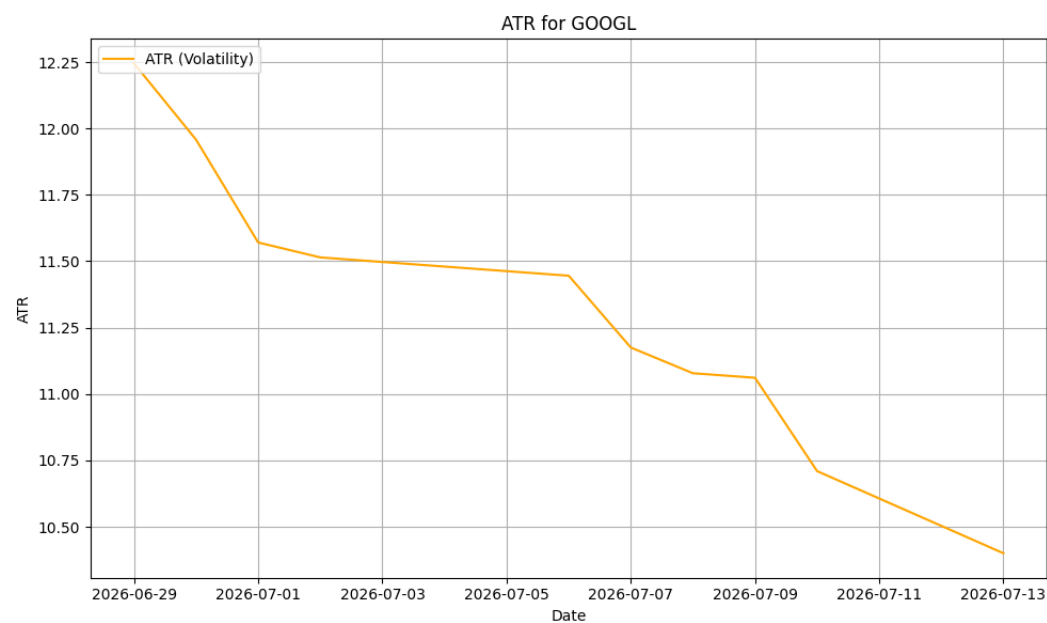
Fractal & Statistical Analysis

FVI Score: 0.447 (Fractal Volatility Index FVI)
DFA Result: 0.5698 (Detrended Fluctuation Analysis)
Lyapunov Exponent: 0.0144 (Measures chaos and predictability)
Hurst Exponent: 0.4999 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 352.51 is within the Bollinger Bands range (339.02 - 376.22).
Latest ATR: 10.4006

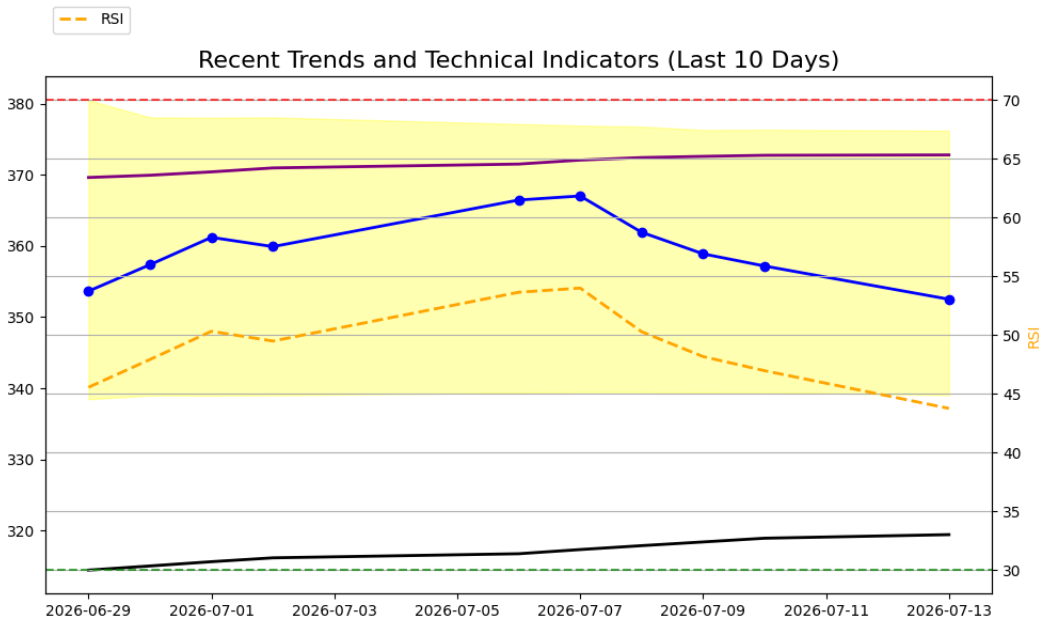
Average True Range (ATR)



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

- Alphabet Inc. (GOOGL) appears to be in a state of relative stability compared to the overall market, with a Lyapunov score of 0.014 indicating less chaos and instability.
- The FVI of 0.447 suggests a moderate level of volatility, indicating some noise in the market but not necessarily a strong acceleration.
- The stock's BPS of -0.647, along with no strong breakout signal detected, points towards a lack of strong positive momentum.
- The contraction in volume by -40.92% does not confirm the price moves, suggesting the possibility of a false breakout.

2. Market Sentiment

- The market sentiment appears to be driven by institutional investors, indicating a more cautious and calculated approach to the stock.
- The volatility and lack of a strong breakout signal suggest a cautious or bearish investor mood.

3. Geopolitical Risk Assessment

- With global stress indicators such as Gold, FX, and TWI FVI showing elevated levels, this suggests increased geopolitical tension and potential trade disruptions.
- As Alphabet Inc. is a globalized company, it may be exposed to tariff risks and supply chain disruptions, particularly from Asia.

4. Sector and Supply Chain Exposure

- Alphabet Inc., being part of the communication services sector, is less exposed to the volatility of energy, logistics, and agri sectors.
- However, as a technology company, it may be dependent on Asia-sourced components, such as semiconductors, which could be disrupted by trade instability or geopolitical tension.

--- STRATEGY RECOMMENDATION ---

- Currently, Alphabet Inc. appears to be in a consolidation phase, with no strong breakout signals detected.
- Given the lack of strong positive momentum, a mean-reversion strategy may be more suitable at this time.
- Investors should remain cautious due to the potential for a false breakout, as suggested by the negative BPS and declining volume.

--- FINAL TAKEAWAY ---

"Amidst moderate volatility and geopolitical tension, Alphabet Inc. is in a consolidation phase with a risk

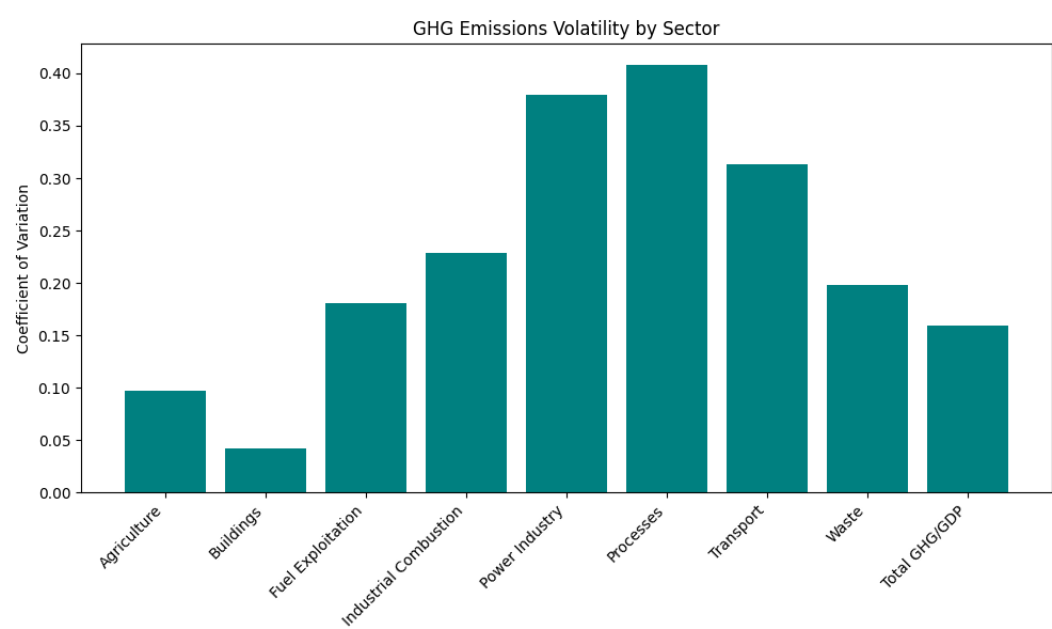
of a false breakout. Investors should adopt a cautious, mean-reversion strategy."

Market Capitalization: 4358514934000, Industry: INTERNET CONTENT & INFORMATION, Latest Volume: 15901732, Description: Alphabet Inc Class A, Sector: COMMUNICATION SERVICES, Price to Book: 9.1, Trailing PE: 27.24, Forward PE: 25.32, Enterprise to Ebitda: 19.7, Enterprise to Revenue: 10.2, Profit Margins: 0.379

The trading volume has changed by -40.92% 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: 1.25
Beta of 1.25 suggests high volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



No GHG score available for Communication services 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": 0.228,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": -0.974,  
  "Deception_Risk": 0.846,  
  "Trumpery_Alert": true,  
  "Summary": "Trickle-down economics just trickled into your grocery bill."  
}
```

Based on the current global and U.S. financial landscape, there seems to be a significant disconnect between economic narratives and underlying fiscal, monetary, and geopolitical realities. Rising U.S. debt and deficit levels, combined with changes in U.S. Treasury bond yields and issuance, indicate a potentially unstable financial environment.

Reports of declining foreign demand for U.S. bonds further underscore this disconnect, as it suggests a lack of confidence in the U.S. economy. Central bank interventions, such as rate cuts and quantitative easing, can be seen as attempts to stimulate the economy, but they also raise concerns about the health of the financial system.

The use of tariffs and sanctions as economic tools is another area where the narrative and reality may diverge. While these measures can be used to protect domestic industries and exert geopolitical pressure, they can also lead to trade wars and economic instability.

Inflation vs. official interest rate policy is another important indicator. If inflation is high while interest rates are low, it could suggest that the central bank is prioritizing growth over controlling inflation.

Finally, the influence of BRICS+ and de-dollarization trends, along with gold volatility and geopolitical hedging, suggest a shifting global economic landscape. These factors could potentially undermine the U.S. dollar's status as the world's reserve currency, further highlighting the disconnect between economic narratives and underlying realities.

Based on these indicators, the SYABI system returns the following response:

```
{  
  "NRDI": 0.8,  
  "Trumpery_Alert": true,  
  "Satirical_Summary": "If you believe this is market forces, we've got a bridge to sell you."  
}  
.
```

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** _____