

**Fractal Volatility Index for GOOGL : 0.391. 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 0.391

Analysis Period: 2021-04-29 to 2026-04-29

### 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): 0.147

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: 0.391 (Fractal Volatility Index FVI)

DFA Result: 0.4968 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0143 (Measures chaos and predictability)

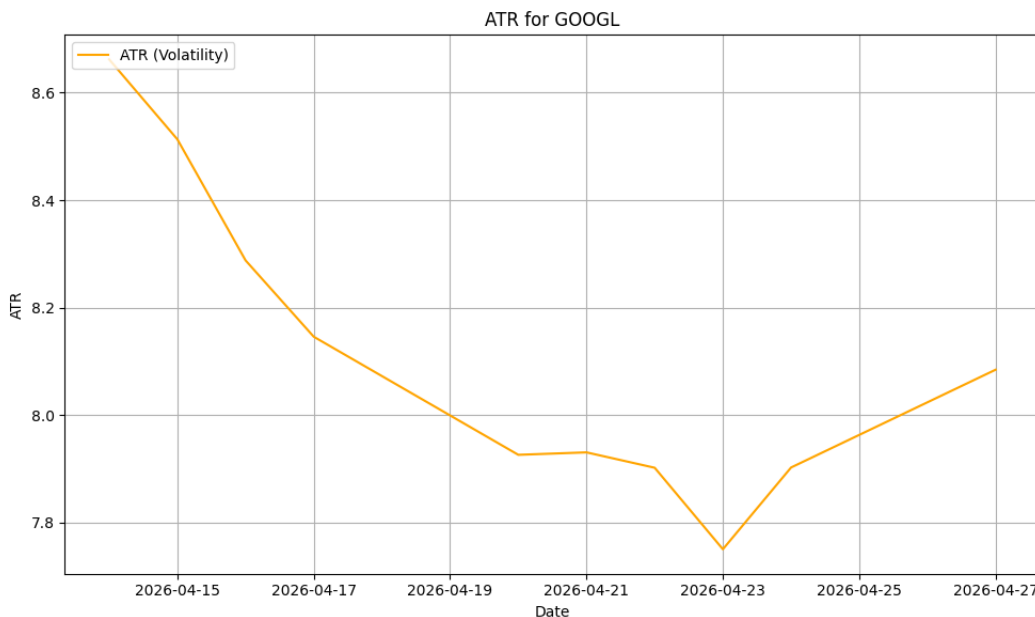
Hurst Exponent: 0.4644 (Indicates trending or mean-reverting behavior)

### Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 350.34 is within the Bollinger Bands range (279.27 - 363.17).

Latest ATR: 8.0847

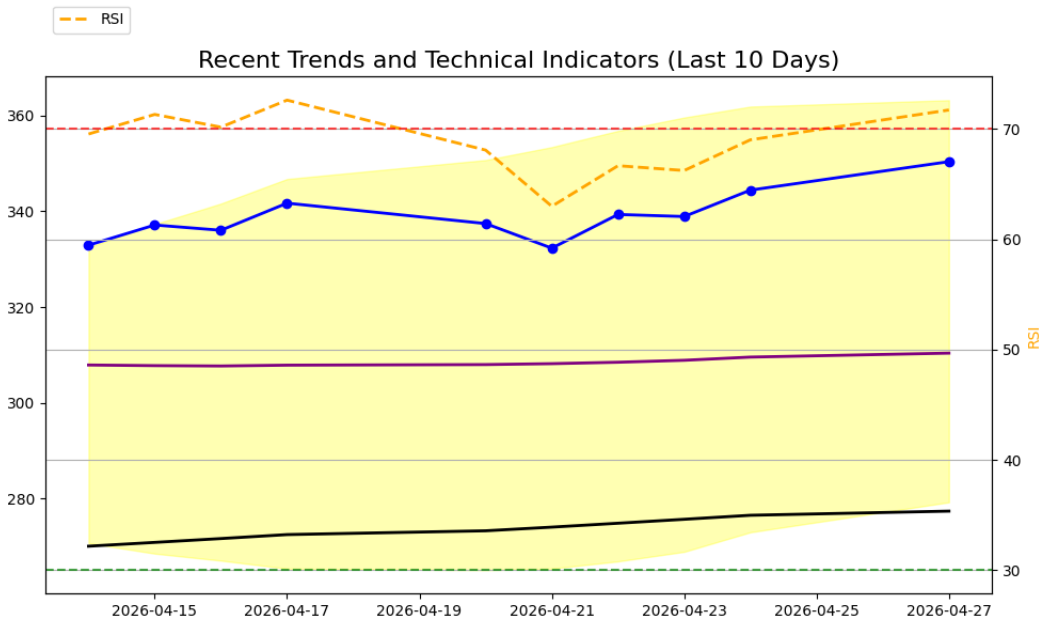
### Average True Range (ATR)



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

- Google's stock (GOOGL) appears to be in a period of relative stability with a low Lyapunov score of 0.014 suggesting minimal systemic chaos.
- The Fractal Volatility Index (FVI) of 0.391 indicates a moderate level of volatility, which could either suggest potential for price acceleration or market noise.
- The Bollinger Bands are within a relatively narrow range, indicating that the stock price is not currently in a breakout phase.

### 2. Market Sentiment

- The high trading volume suggests the presence of institutional investors, which could indicate a bullish sentiment. However, the lack of a strong breakout signal tempers this optimism.

### 3. Geopolitical Risk Assessment

- Google's sector, communication services, does not have a GHG score available, making it difficult to assess its exposure to environmental risk.
- The company's global presence could make it susceptible to international trade disruptions, as indicated by the high TWI FVI.

### 4. Sector and Supply Chain Exposure

- Google's reliance on energy for its data centers could expose it to energy price shocks, particularly if trade disruptions lead to higher domestic fuel costs.
- The tech industry's dependence on Asia-sourced components could also expose Google to supply chain disruptions.

--- STRATEGY RECOMMENDATION ---

- Given the lack of a strong breakout signal and moderate volatility, it would be prudent to adopt a trend-following strategy for Google.
- The BPS and FVI patterns do not strongly suggest an imminent breakout, so it would be wise to monitor these indicators closely.

--- FINAL TAKEAWAY ---

Google's stock exhibits moderate volatility with no strong breakout signals, suggesting a period of relative stability. However, its exposure to energy price shocks and potential supply chain disruptions warrants caution. A trend-following strategy is recommended until stronger breakout signals emerge.

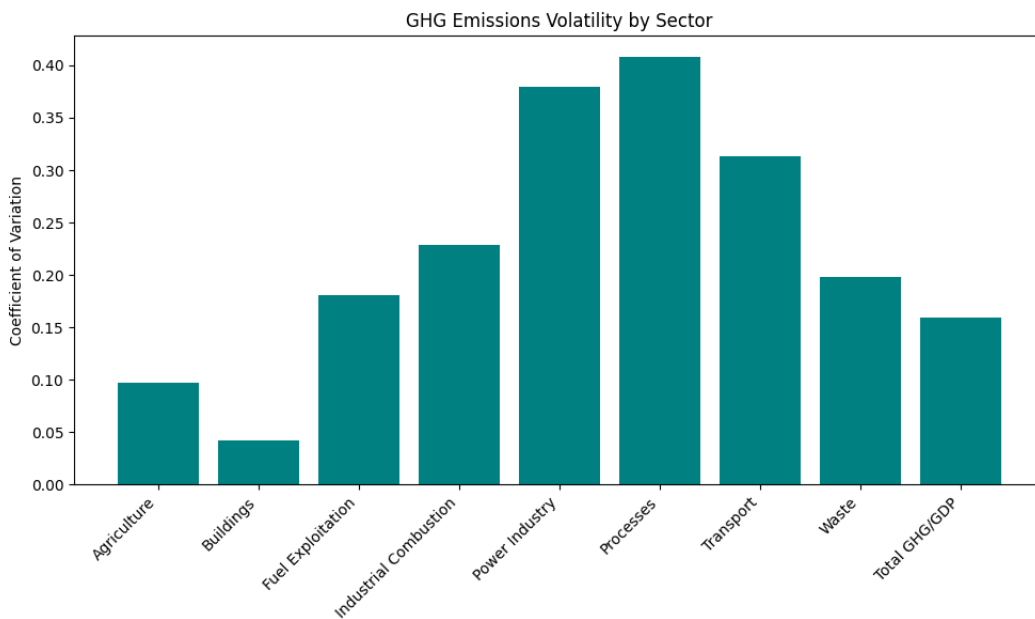
Market Capitalization: 4166206882000, Industry: INTERNET CONTENT & INFORMATION, Latest Volume: 28576887, Description: Alphabet Inc Class A, Sector: COMMUNICATION SERVICES, Price to Book: 10.03, Trailing PE: 31.86, Forward PE: 30.12, Enterprise to Ebitda: 22.62, Enterprise to Revenue: 10.15, Profit Margins: 0.328

The trading volume has changed by 52.13% 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: 1.13

Beta of 1.13 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:

```
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  "Deception_Risk": 0.846,  
  "Trumpery_Alert": true,  
  "Summary": "If you believe this rally, we've got beachfront property on the moon."  
}
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Based on the given indicators, the current global and U.S. financial landscape appears to be experiencing a significant disconnect between economic narratives and underlying fiscal, monetary, and geopolitical realities.

The rising U.S. debt and deficit levels, changes in U.S. Treasury bond yields and issuance, and reports of declining foreign demand for U.S. bonds all suggest a weakening confidence in the U.S. fiscal position. Central bank interventions, such as rate cuts and QE, further underscore the fragility of the current economic situation.

The use of tariffs and sanctions as economic tools, while politically popular, can distort market fundamentals and lead to unintended economic consequences. Inflation and official interest rate policy also seem to be out of sync, with inflation rates rising despite low interest rates.

The influence of BRICS+ and de-dollarization trends suggest a shifting global economic order, while gold volatility and geopolitical hedging indicate increased market uncertainty.

Given these indicators, it is clear that there is a significant disconnect between economic narratives and underlying realities.

Here is the JSON response:

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