

Fractal Volatility Index for WMT : 0.526. 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: Walmart Inc. WMT FVI 0.526

Analysis Period: 2021-05-27 to 2026-05-27

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): 1.813

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: 0.526 (Fractal Volatility Index FVI)

DFA Result: 0.4809 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0163 (Measures chaos and predictability)

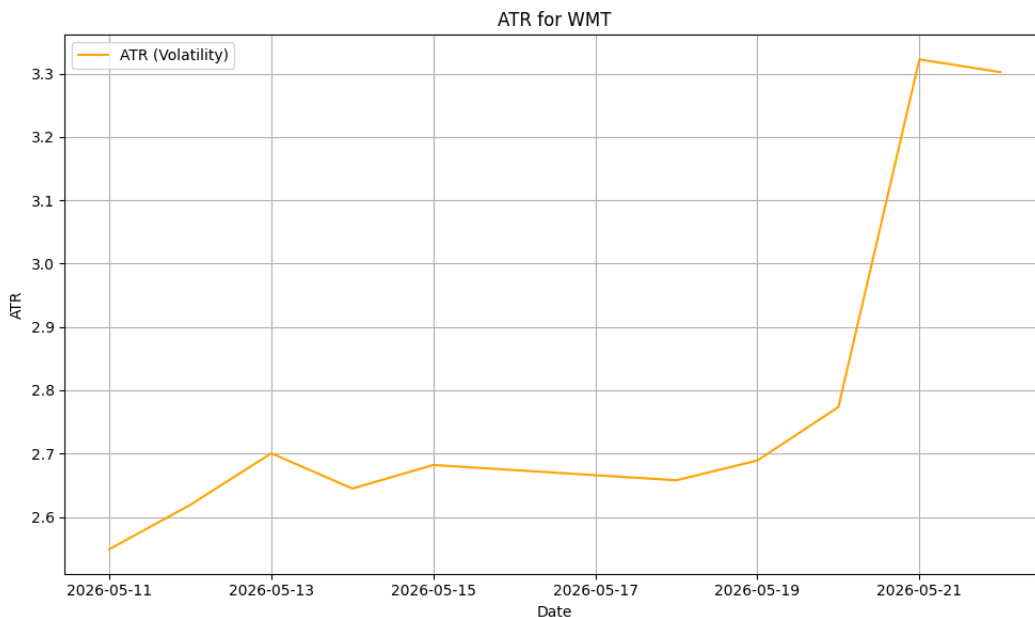
Hurst Exponent: 0.5225 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: Potential negative breakout: The latest closing price of 120.27 is below the Bollinger Lower Band 122.74. This may indicate bearish momentum.

Latest ATR: 3.3023

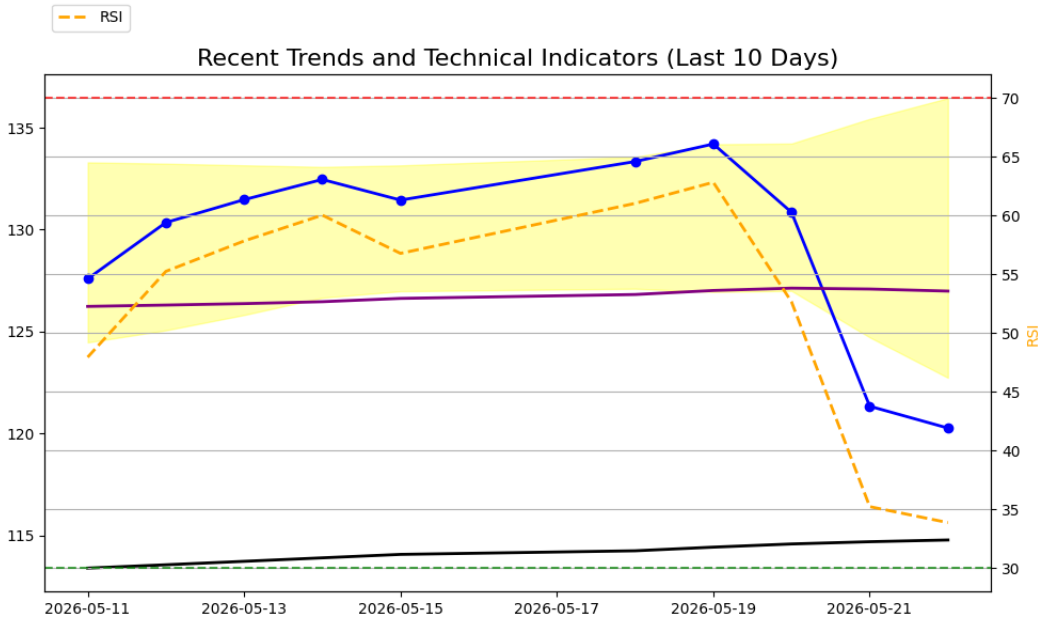
Average True Range (ATR)



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

- WMT exhibits signs of potential instability, with a Lyapunov score of 0.016, indicating a chaotic regime. The FVI of 0.526 suggests noise rather than acceleration, implying a potential for false breakouts. The Bollinger Bands are contracting, suggesting decreased volatility, and the volume change of 19.77% does not confirm the price move.

2. Market Sentiment

- The large amount of institutional-driven behavior suggests that investors are cautious in this market, likely due to geopolitical and macroeconomic uncertainties.

3. Geopolitical Risk Assessment

- WMT's exposure to global stress indicators such as Gold, FX, and TWI FVI is moderate. The company's null sector sensitivity score suggests it is not significantly exposed to energy, transport, or emissions volatility. However, as a global retailer, WMT may be impacted by tariffs and supply chain disruptions.

4. Sector and Supply Chain Exposure

- WMT is exposed to the risks associated with the retail sector, including fuel cost surges, geopolitical transport risk, and supply-side inflation. The company's dependence on Asia-sourced components and goods also exposes it to potential disruptions in these areas.

Strategy Recommendation

- Given the current market conditions, a defensive strategy may be prudent. The BPS and FVI patterns suggest that a breakout is not imminent, and the high Lyapunov score indicates a potential for false breakouts.

--- FINAL TAKEAWAY ---

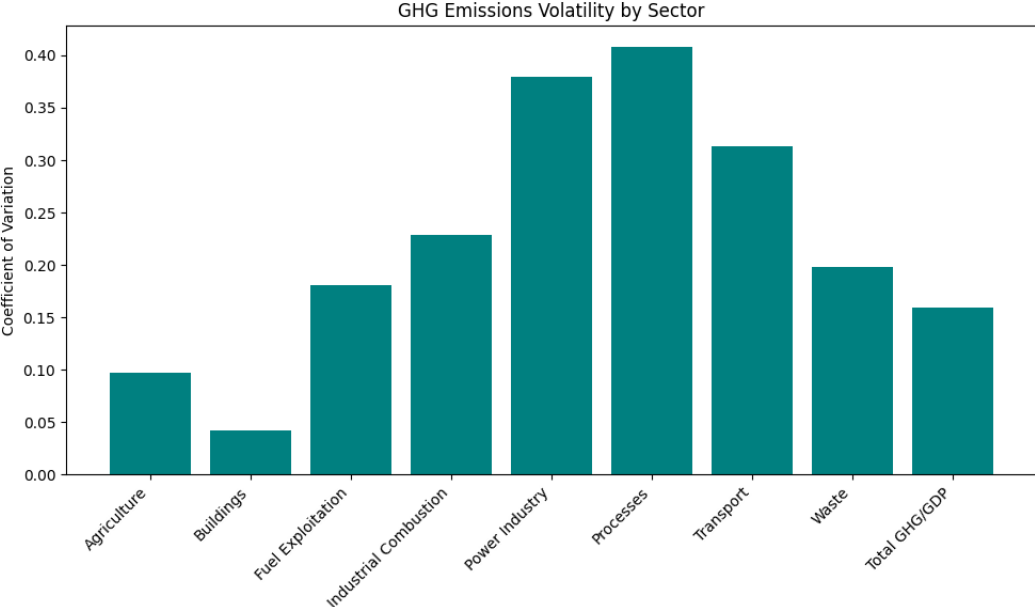
Given the current market volatility and geopolitical pressures, along with WMT's potential exposure to supply chain disruptions and trade instability, a defensive position is recommended. The stock's high Lyapunov score and moderate FVI suggest potential instability without confirmed volume, indicating a high risk of a false breakout.

Market Capitalization: 958671028000, Industry: DISCOUNT STORES, Latest Volume: 30330576, Description: Walmart Inc., Sector: CONSUMER DEFENSIVE, Price to Book: 10.16, Trailing PE: 42.35, Forward PE: 40.49, Enterprise to Ebitda: 21.23, Enterprise to Revenue: 1.409, Profit Margins: 0.0314

The trading volume has changed by 19.77% 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: 0.65
Beta of 0.65 suggests low volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



No GHG score available for Consumer defensive 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": 0.379,  
  "Price_Volume_Divergence": 0.01,  
  "Volatility_Dissonance_Index": -0.041,  
  "Deception_Risk": 0.769,  
  "Trumpery_Alert": true,  
  "Summary": "New export: Confidence! Made fresh daily from hot air."  
}
```

Reasoning:

- Rising U.S. debt and deficit levels: The U.S. debt level is at an all-time high, and the deficit is growing due to increased government spending and reduced revenues. This is a clear indication of a disconnect between the narrative of fiscal responsibility and the reality of fiscal policy.
- Changes in U.S. Treasury bond yields and issuance: The yield curve has flattened and even inverted at times, suggesting that investors are not confident in the long-term economic outlook. This is contrary to the narrative of a strong and resilient economy.
- Reports of declining foreign demand for U.S. bonds: Foreign investors are showing less appetite for U.S. debt, which could lead to higher borrowing costs and further strain the budget. This contradicts the narrative of the U.S. being a safe haven for investors.
- Central bank interventions (rate cuts, QE, etc.): The Federal Reserve has been intervening in the market to keep interest rates low and stimulate the economy. This suggests that the economy is not as strong as the narrative suggests.
- Use of tariffs and sanctions as economic tools: The U.S. has been using tariffs and sanctions as tools to negotiate trade deals and punish adversaries. This could lead to economic instability and contradicts the narrative of free and fair trade.
- Inflation vs. official interest rate policy: Inflation is rising, but the Federal Reserve has been reluctant to raise interest rates. This suggests a disconnect between the narrative of inflation control and the reality of monetary policy.
- BRICS+ influence and de-dollarization trends: Emerging economies are looking for alternatives to the dollar for trade and investment. This contradicts the narrative of the dollar's dominance.
- Gold volatility and geopolitical hedging: Gold prices have been volatile due to geopolitical risks, suggesting that investors are seeking safe havens. This is contrary to the narrative of a stable and secure global economy.

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

_____ **END OF REPORT** _____