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

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

Verv Stock Analysis Report: The Allstate Corporation ALL FVI 0.478

Analysis Period: 2021-11-18 to 2026-11-18

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

Breakout Probability Score (BPS): -0.367
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

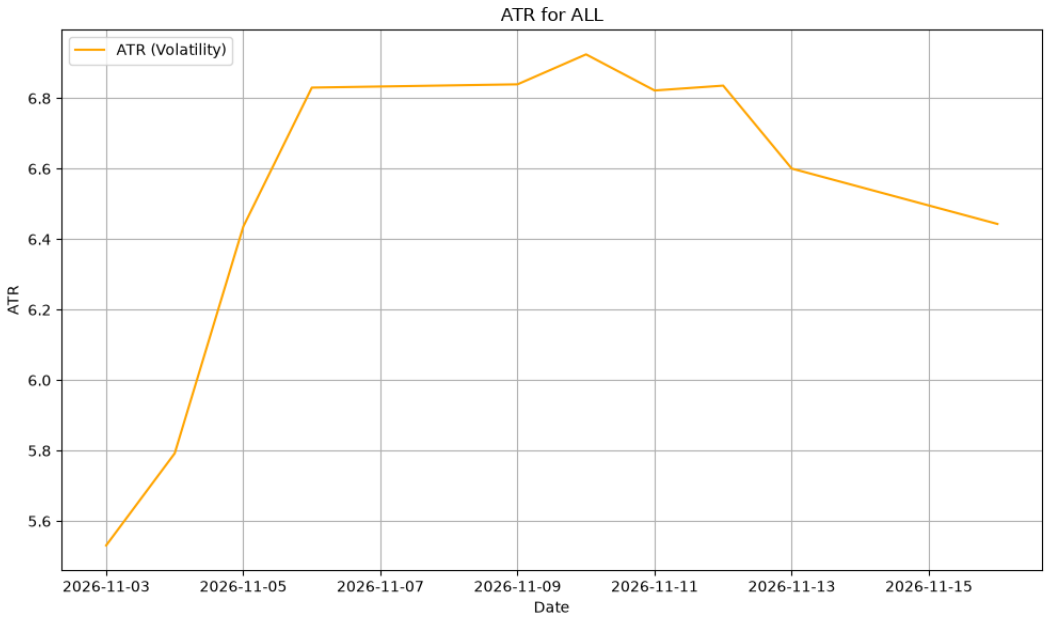
Fractal & Statistical Analysis

FVI Score: 0.478 (Fractal Volatility Index FVI)
DFA Result: 0.4817 (Detrended Fluctuation Analysis)
Lyapunov Exponent: 0.0161 (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 270.43 is within the Bollinger Bands range (246.25 - 272.24).
Latest ATR: 6.4433

Average True Range (ATR)

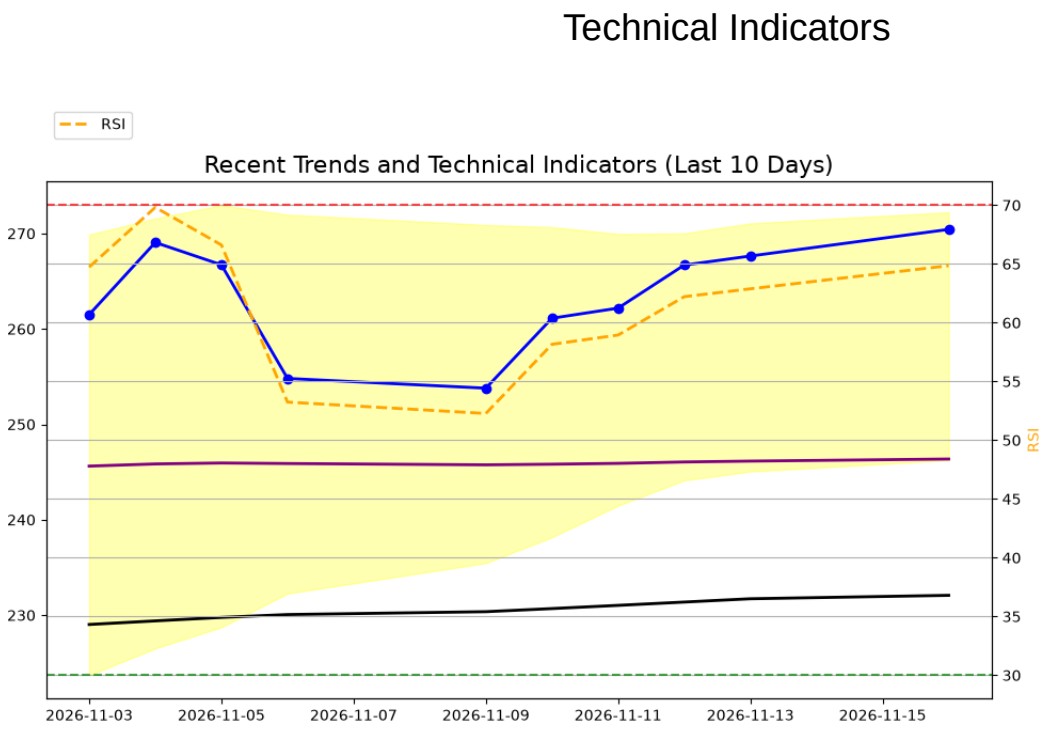


The ATR measures the recent price volatility of a stock, calculating the average range between its high and low prices over a given period (usually 14 days). A higher ATR indicates greater market volatility, and a lower ATR indicates less volatility.

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

Technical Indicators

Technical indicators are based on historical price and volume data used in technical analysis to forecast financial market direction. They help identify trends, momentum, volatility, and potential entry and exit points in the market.



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 Executive Assessment

1. Volatility Structure
Observation: Stock FVI is 0.4784 versus a market-wide FVI of 0.478, indicating essentially the same measured structural instability as the broader market. Hurst exponent is 0.4501. DFA is 0.4817. Lyapunov exponent is 0.01605. Beta is 0.116.
Interpretation: With FVI virtually equal to the market-wide value, ALL's current volatility regime appears aligned with broad market conditions (FVI is a structural metric, not directional). A Hurst value below 0.5 suggests anti-persistence, but its proximity to 0.5 means this evidence is weak. The DFA confirms a scale-dependent correlation structure without independently implying breakout, volatility surge, or direction. The Lyapunov exponent quantifies sensitivity to initial conditions; absent a benchmark, its magnitude is not classified here. A beta of 0.116 indicates historically low co-movement with the market, which can temper market-driven swings but does not alter the structural inferences above.
Unknown: Whether these values are elevated or subdued versus ALL's own long-run history is not established without historical comparisons.

2. Breakout Evidence
Observation: Breakout Probability Score (BPS) is -0.3673. Supplied breakout observation states no strong breakout signal; the latest close (270.43) is within Bollinger Bands (246.25–272.24).
Interpretation: The negative BPS together with the in-band close supports the view that current evidence does not indicate a strong breakout signal. Breakout direction is not determined by the supplied metrics.
Unknown: Whether short-term conditions are building toward a future breakout cannot be inferred from these data alone.

3. Participation and Technical Context
Observation: Volume change is +2.35%. Latest ATR is 6.4433 (price units). Beta is 0.116 (systematic sensitivity reference).
Interpretation: These figures describe recent activity and trading range but, by themselves, do not indicate motive or predict a move. ATR is in price units and cannot be classified as high or low without a historical or price-normalized baseline; likewise, a single-period volume change lacks a historical comparator for intensity.
Unknown: Whether participation is expanding or contracting in a meaningful way, and whether the current trading range is wide or narrow for ALL, requires multi-period context.

4. Macro and Sector Context
Observation: Gold FVI (0.5936) is higher than FX FVI (0.4343) and TWI FVI (0.4694), indicating relatively greater structural instability in the gold series among these proxies. No GHG sector variability score is available for Financial Services; company GHG sector sensitivity is not available.
Interpretation: Macro proxies show mixed structural instability across asset classes, with gold comparatively elevated versus FX and trade-weighted currency measures; these are context markers rather than directional signals. The absence of a GHG variability score limits emissions-related sectoral interpretation.

Unknown: Any specific macro cause behind the relative levels of Gold/FX/TWI FVI, or direct transmission to ALL's risk, is not established by the supplied data.

5. Risk Interpretation
Observation-based synthesis: ALL's FVI is effectively equal to the market-wide FVI; Hurst and DFA sit near 0.5; Lyapunov is reported but unbenchmarked; BPS is negative and the price is within Bollinger Bands; macro FVIs are mixed with gold higher.
Interpretation: The evidence most strongly supports a market-aligned structural volatility regime with moderate uncertainty and no strong breakout indication at present. Macro context shows uneven instability across assets (notably higher in gold), but this does not, on its own, alter the stock's structurally market-like posture.
Unknown: Whether volatility will migrate materially away from the market-wide regime or whether a breakout will emerge cannot be determined from the present snapshot.

6. Monitoring Implications
- Stock FVI versus market-wide FVI for any divergence.
- BPS and the stock's position relative to Bollinger Bands for evolving breakout evidence.
- Hurst and DFA for shifts away from 0.5 that would indicate changing correlation structure.
- Lyapunov exponent for changes in sensitivity characteristics.
- ATR and multi-period volume trends (with historical baselines) for context on trading range and participation.
- Gold, FX, and TWI FVI for changes in macro structural instability, and any future availability of sector GHG variability metrics.

FINAL TAKEAWAY

ALL's current volatility structure is closely aligned with the market-wide regime, and the combination of a negative BPS with an in-band close provides no strong breakout signal. The most important confirmations to monitor are changes in BPS and any widening spread between ALL's FVI and the market-wide FVI, alongside shifts in ATR and the correlation metrics (Hurst/DFA).

Stock Information

Market Capitalization: 66917769000, Industry: INSURANCE - PROPERTY & CASUALTY, Latest Volume: 1622454, Description: The Allstate Corporation, Sector: FINANCIAL SERVICES, Price to Book: 2.185, Trailing PE: 6.13, Forward PE: 9.64, Enterprise to Revenue: 1.085, Profit Margins: 0.166

The trading volume has changed by 2.35% 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: 0.12
Beta of 0.12 suggests low volatility compared to the market.

Stock Investment Character Report

Analysis based on supplied stock characteristics and market context.

Investment Character: Steady Operator
Resilience: 64%
Momentum: 18%
Structural Stress: 35%
Narrative Dependence: 20%
Confidence: 62%

Calculated Metrics:
- Price-Volume Divergence: 0.000
- Volatility Dissonance Index: -0.662

Evidence:
- Sensitivity relative to the market is well below 1, indicating the stock tends to move less than the market.
  Indicators: Beta=0.116
  Supports: Resilience
- Structural volatility is in the moderate range per the supplied FVI thresholds and in line with the market-wide FVI.
  Indicators: FVI=0.478, Market-wide FVI=0.478
  Supports: Structural Stress
- Recent absolute trading-range volatility is classified as high per the supplied ATR thresholds (>5).
  Indicators: Latest ATR=6.443297469929401
  Supports: Structural Stress
- No strong breakout signal is detected and price is within the Bollinger Bands.
  Indicators: Breakout Probability Score=-0.3673085918752571, Bollinger Bands=246.25-272.24, Latest close=270.43
  Supports: Momentum
- Positive profit margin is supplied alongside non-extreme valuation measures.
  Indicators: Profit margin=0.166, Trailing P/E=6.13, Forward P/E=9.64, Price-to-book=2.185, EV/Revenue=1.085
  Supports: Resilience

Assessment:
Evidence points to a steady, lower-beta insurer with demonstrated profitability and no confirmed breakout momentum. Structural signals are mixed: FVI is moderate while ATR indicates recently higher trading-range volatility, suggesting near-term choppiness without systemic instability. Valuation data and positive margin reduce reliance on a narrative to support the stock's standing.

Limitations:
- Price direction and timing cannot be established from the supplied data.
- Some financial fields appear missing or non-meaningful (e.g., Trailing EPS=0, Forward EPS=0, EV/EBITDA=0), limiting operating clarity.
- ATR is not normalized to price, and no historical context is provided for valuation or stability metrics.
- Lyapunov, Hurst, and DFA values are provided without comparative or threshold context, limiting interpretability.

Medium-Term Fit:
Potential fit for an independent thesis favoring established property & casualty insurers with lower market

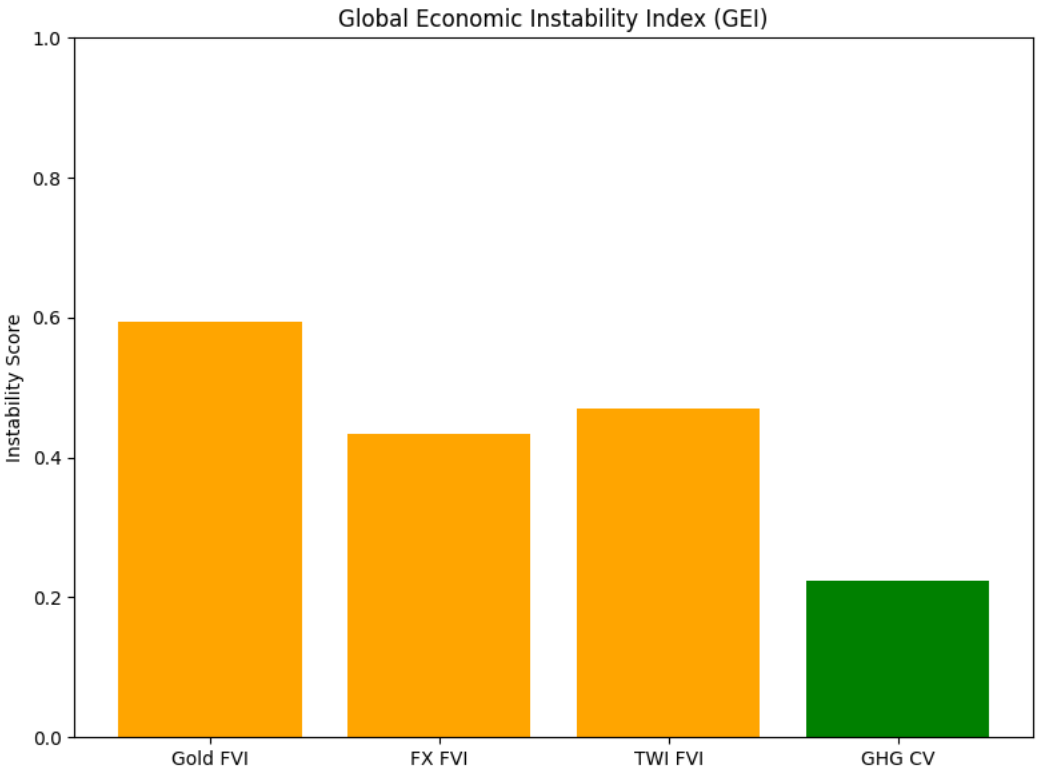
sensitivity and consistent profitability, where the investor accepts episodic trading-range volatility and does not require breakout-driven momentum.

Fractal Volatility Indices

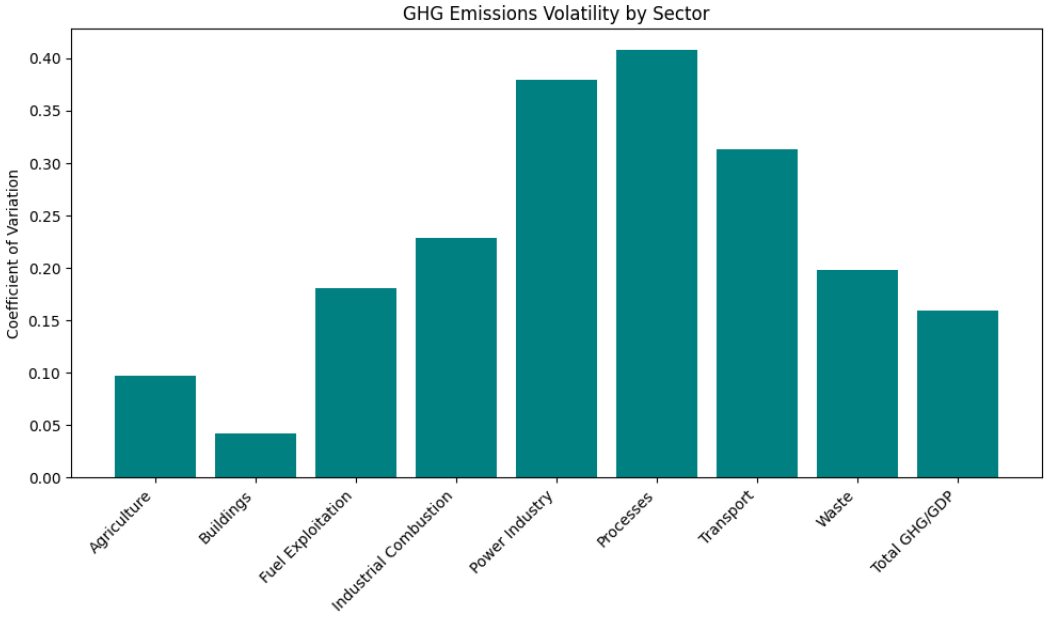
Global Geopolitical Fractal Volatility (Gold, Forex, TWI (Tariffs) and GHG Emissions)
FVI_GOLD: 0.593608 => Moderate gold volatility indicates increased investor caution
FVI_FX: 0.434301 => Moderate FX volatility indicates ongoing currency-market adjustment
FVI_TWI: 0.469352 => Moderate trade-weighted volatility indicates some external-sector adjustment
GHG_CV: 0.223036 => Moderate GHG sector variability indicates some sector-level carbon-risk dispersion

Primary Risk Driver: Gold volatility is a good proxy for global geopolitical risk. 0.593608.

Global Geopolitical Volatility



Volatility Indicators of GHG Emissions by Industry and GDP



No GHG score available for Financial 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.

_____END OF REPORT_____