

**Fractal Volatility Index for ALL : 0.444. 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: The Allstate Corporation ALL FVI 0.444

Analysis Period: 2021-04-22 to 2026-04-22

### 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): 1.029

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: 0.444 (Fractal Volatility Index FVI)

DFA Result: 0.4742 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0156 (Measures chaos and predictability)

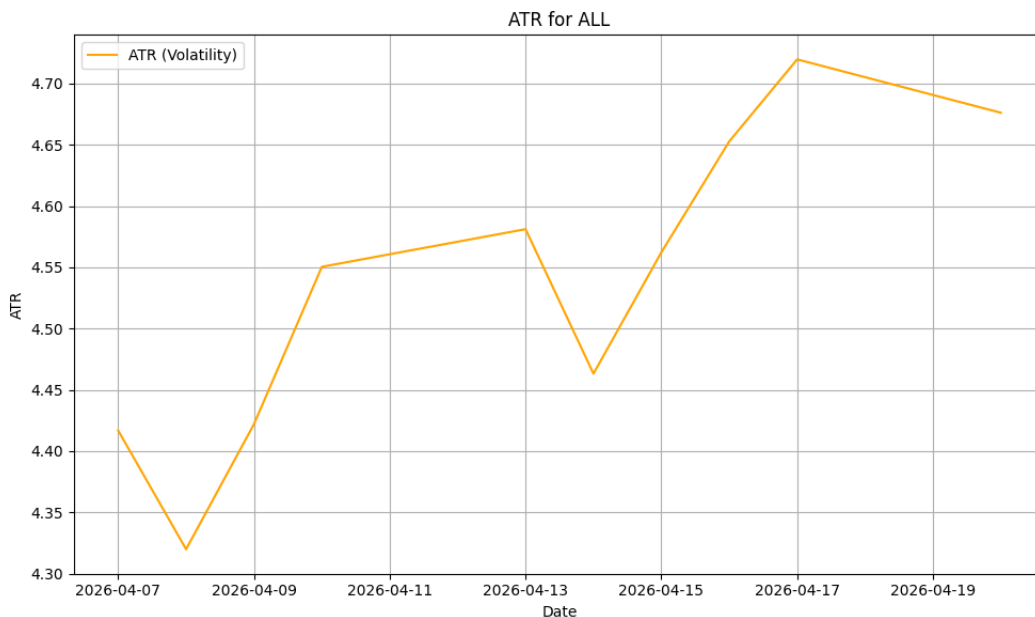
Hurst Exponent: 0.4625 (Indicates trending or mean-reverting behavior)

### Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 215.15 is within the Bollinger Bands range (201.50 - 219.02).

Latest ATR: 4.6762

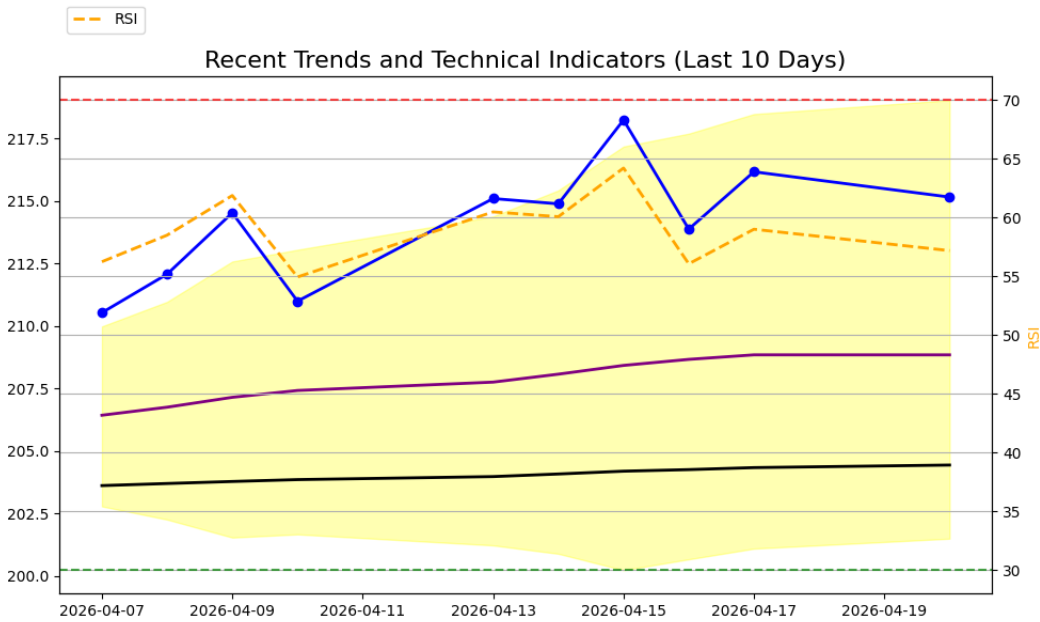
### Average True Range (ATR)



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

- The stock's FVI of 0.444 suggests a moderate level of volatility, indicating a regime of relative stability. The Lyapunov score of 0.016, which is lower than the market-wide values, further supports this stability.
- The BPS of 1.029 indicates a potential for a breakout, but the lack of strong breakout signals from the Bollinger Bands suggests it may not occur in the near term.
- The stock volume change of 26% is significant, suggesting price moves are being confirmed.

### 2. Market Sentiment

- The institutional-driven behavior suggests a more stable and calculated approach to the stock, which could indicate a positive investor mood despite the moderate volatility.

### 3. Geopolitical Risk Assessment

- The elevated market-wide FVI indicators, particularly in Gold and TWI, suggest potential global stress that could impact the stock.
- As a financial services sector stock, it may not be directly exposed to tariff or supply-chain disruptions, but indirect effects due to overall market sentiment and economic conditions should be considered.

### 4. Sector and Supply Chain Exposure

- The financial services sector is generally less exposed to global input risks compared to sectors like energy, manufacturing, or agriculture. However, potential disruptions in these sectors could indirectly impact financial services through loan defaults or reduced investment.

### Strategy Recommendation

- The stock appears to be in a consolidation phase, with a potential breakout suggested by the BPS but not strongly supported by other indicators.
- A trend-following strategy could be considered due to the Hurst score of 0.463, indicating a slight tendency towards mean-reversion.
- The moderate FVI and lack of strong breakout signals suggest caution is warranted.

--- FINAL TAKEAWAY ---

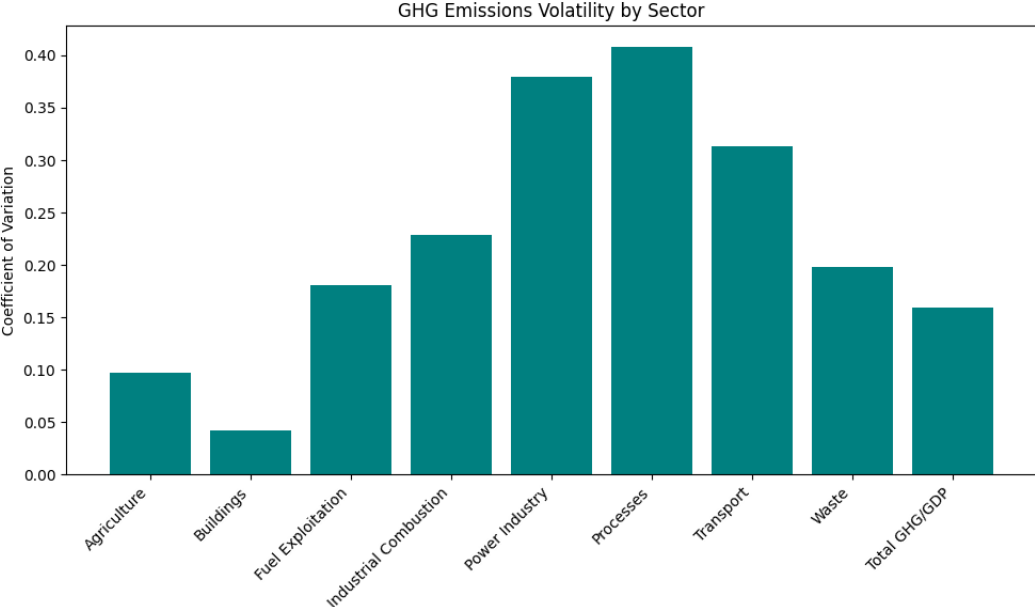
Despite the potential for a breakout indicated by the BPS, the lack of strong breakout signals and moderate volatility suggest caution. The stock is in a relatively stable regime, but the elevated market-wide volatility and potential for global stress could impact the stock indirectly. A trend-following strategy with a focus on downside risk could be suitable in the current environment.

Market Capitalization: 55839134000, Industry: INSURANCE - PROPERTY & CASUALTY, Latest Volume: 1281622, Description: The Allstate Corporation, Sector: FINANCIAL SERVICES, Price to Book: 1.951, Trailing PE: 5.65, Forward PE: 8.64, Enterprise to Revenue: 0.964, Profit Margins: 0.152

The trading volume has changed by 26.00% 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: 0.22  
Beta of 0.22 suggests low volatility compared to the market.

### 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.

# Stock Market Price Credibility Report

Analysis based on current global macroeconomic and geopolitical information.

Market\_Price\_Credibility\_Analysis:

```
{  
  "Final_Score": 0.311,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": -0.463,  
  "Deception_Risk": 0.808,  
  "Trumpery_Alert": true,  
  "Summary": "The bridge is open—just ignore the termites and missing planks."  
}  
{  
  "NRDI": 0.75,  
  "Trumpery_Alert": true,  
  "Satirical_Summary": "If you believe this is market forces, we've got a bridge to sell you."  
}
```

The NRDI score of 0.75 indicates a significant disconnect between the economic narrative and the underlying fiscal, monetary, and geopolitical realities. This is due to several factors such as the rising U.S. debt and deficit levels, changes in U.S. Treasury bond yields and issuance, and reported declining foreign demand for U.S. bonds.

Central bank interventions, such as rate cuts and quantitative easing, while intended to stimulate the economy, can distort market signals and contribute to the disconnect. The use of tariffs and sanctions as economic tools has added uncertainty and volatility to the market, further complicating the economic narrative.

Inflation vs. official interest rate policy is also a point of concern. Despite low official interest rates, inflation has been rising, which contradicts the traditional economic narrative.

The influence of BRICS+ countries and their de-dollarization trends, coupled with gold volatility and geopolitical hedging, are also contributing to the disconnect. These factors suggest a shift away from U.S. financial dominance, which is not reflected in the current economic narrative.

The Trumpery Alert is set to true, indicating evidence of manipulative or performative policymaking. The satirical summary, "If you believe this is market forces, we've got a bridge to sell you," highlights the skepticism towards the current economic narrative.

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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** \_\_\_\_\_