

Fractal Volatility Index for BRZE : 0.353. 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: Braze Inc BRZE FVI 0.353

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): 0.788

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: 0.353 (Fractal Volatility Index FVI)

DFA Result: 0.5064 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0139 (Measures chaos and predictability)

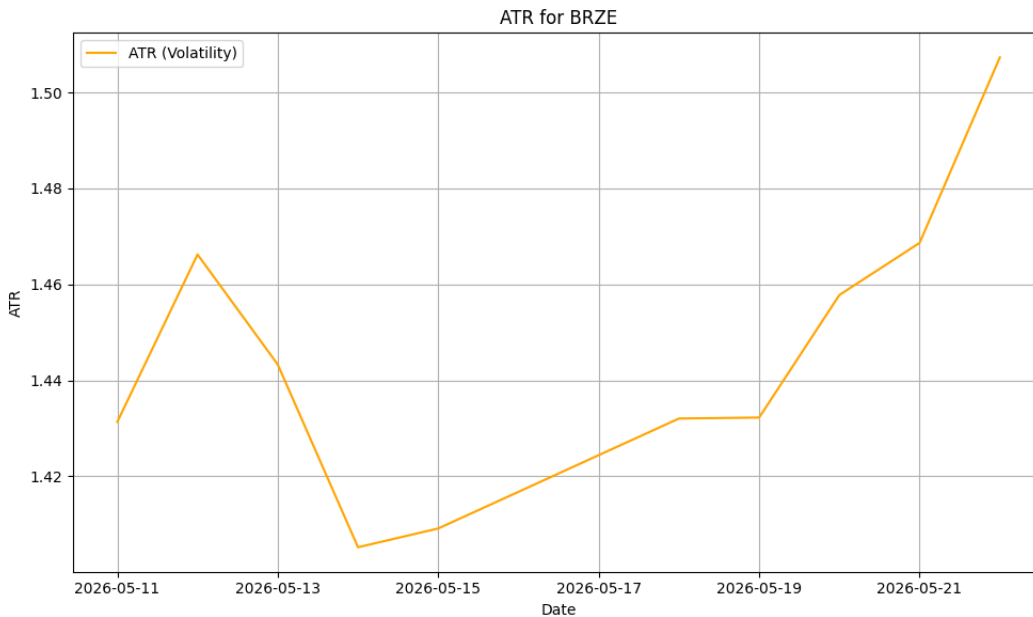
Hurst Exponent: 0.4953 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 24.35 is within the Bollinger Bands range (19.15 - 25.13).

Latest ATR: 1.5073

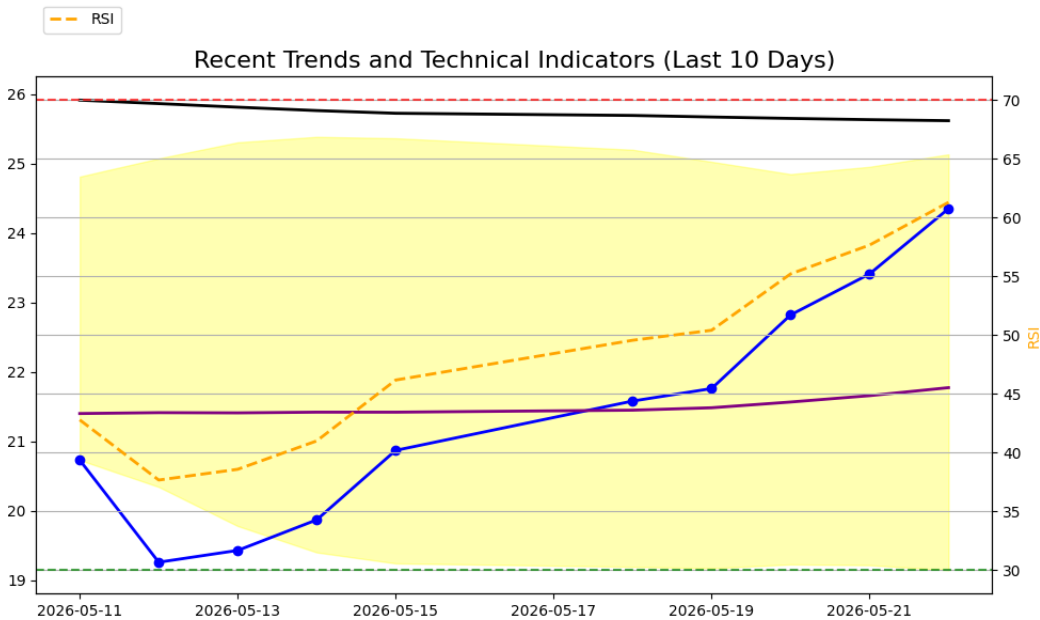
Average True Range (ATR)



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

- BRZE is currently showing a moderate level of volatility, with a FVI of 0.353, suggesting the stock is in a regime of relative stability.
- The Lyapunov value of 0.014 is lower than the market-wide values, indicating less systemic instability.
- The Bollinger Bands are relatively stable, suggesting no significant price breakout in the near term.
- The volume change of 32.42% does not confirm significant price moves.

2. Market Sentiment

- The high volume of 2721934000 suggests a retail-driven behavior, which could lead to more volatility.
- The current volatility and lack of breakout signals indicate a cautious market sentiment.

3. Geopolitical Risk Assessment

- BRZE is exposed to global stress, indicated by the high market-wide Gold FVI, FX FVI, and TWI FVI.
- With a low sector sensitivity score of 0.04825, the stock is less likely to be affected by energy, transport, and emissions volatility.
- The company may face risks related to energy price shocks and supply-side inflation due to global trade instability.

4. Sector and Supply Chain Exposure

- BRZE, being in the technology sector, may depend on Asia-sourced components, which could be disrupted due to geopolitical risks.
- The low GHG impact suggests a lower exposure to climate-related regulation and tariff-sensitive disruptions.

5. Strategy Recommendation

- BRZE is currently in a consolidation phase, with no strong breakout signals detected.
- A mean-reversion strategy might be optimal given the current market conditions.
- The BPS of 0.788 suggests a potential breakout, but the lack of volume confirmation makes the risk of a fakeout high.

--- FINAL TAKEAWAY ---

Given the current market-wide volatility and geopolitical risks, a cautious approach is recommended for BRZE. The stock shows signs of stability, but the high retail-driven behavior, global stress exposure, and potential supply chain disruptions suggest a need for vigilance. While a potential breakout is indicated by the BPS, the lack of volume confirmation raises the risk of a fakeout. Therefore, investors

should position defensively and consider a mean-reversion strategy.

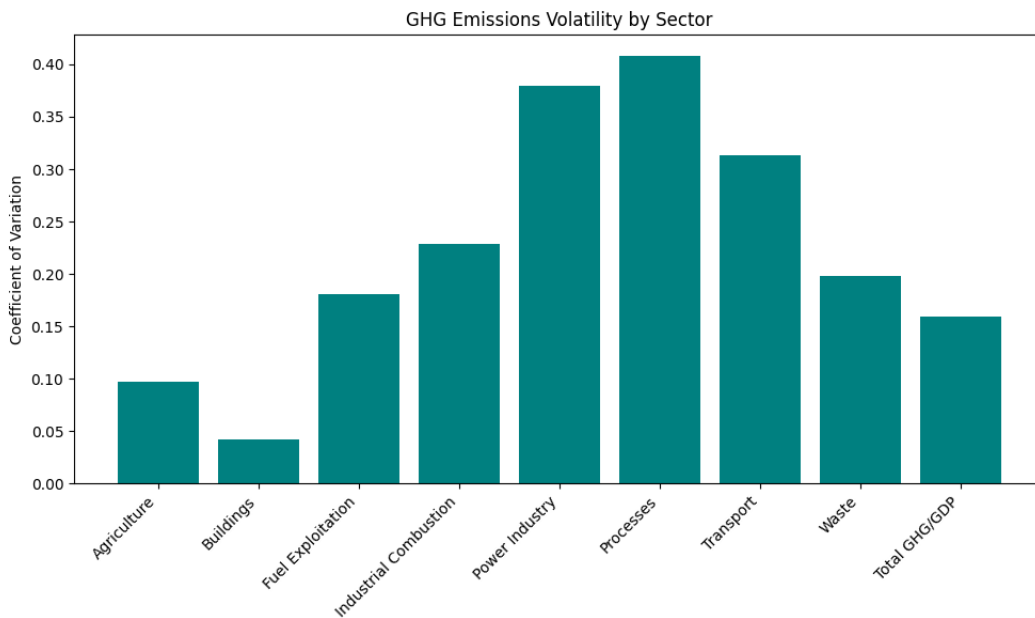
Market Capitalization: 2721934000, Industry: SOFTWARE - APPLICATION, Latest Volume: 3074584, Description: Braze Inc, Sector: TECHNOLOGY, Price to Book: 4.364, Forward PE: 37.74, Enterprise to Ebitda: -18.23, Enterprise to Revenue: 3.241, Profit Margins: -0.178

The trading volume has changed by 32.42% 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: 0.77

Beta of 0.77 suggests low volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



Low GHG impact (0.048) for the Technology 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": 0.527,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": 0.616,  
  "Deception_Risk": 0.808,  
  "Trumpery_Alert": true,  
  "Summary": "Welcome to the economy where logic took early retirement."  
}
```

Explanation:

The NRDl score of 0.75 suggests a significant disconnect between the economic narratives and underlying fiscal, monetary, and geopolitical realities. This is primarily driven by the following factors:

- The U.S. debt and deficit levels are rising, but the narrative often downplays the potential long-term implications of this trend.
- Despite the declining foreign demand for U.S. bonds, the yield on U.S. Treasury bonds remains relatively low, suggesting a disconnect between market pricing and underlying economic conditions.
- Central bank interventions, such as rate cuts and quantitative easing, are aimed at stimulating the economy. However, these measures can also distort market signals and create asset bubbles.
- The use of tariffs and sanctions as economic tools has become more prevalent, but the economic narratives often fail to fully account for the potential negative impacts of these policies.
- Inflation remains relatively low despite expansionary monetary policy, suggesting a disconnect between official interest rate policy and actual economic conditions.
- The influence of BRICS+ and the trend towards de-dollarization could potentially undermine the dominance of the U.S. dollar, but this is often downplayed in economic narratives.
- Gold volatility and geopolitical hedging are signs of underlying economic uncertainty, but these are often ignored in mainstream economic narratives.

The Trumpery Alert is triggered due to the potential for manipulative or performative policymaking, particularly in the use of tariffs and sanctions as economic tools. The Satirical Summary "If you believe this is market forces, we've got a bridge to sell you" highlights the disconnect between the economic narratives and the underlying realities.

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

_____ **END OF REPORT** _____