VantagePoint Software

Predictive Neural Index Accuracy Evaluation

Independent Assessment Report

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Executive Summary

This report presents the findings of an independent evaluation of VantagePoint Software's Predictive Neural Index indicator. The assessment examined the software's ability to accurately predict market movements across a diverse portfolio of sixty financial instruments over a three-year period.

Key Findings:

- **Overall Accuracy:** Across 60 symbols, the three-year evaluation produced an average accuracy of 76.4% (mean), with a standard deviation of 2.76%, indicating a tight distribution around the mean.
- **Consistency:** Accuracy is highly concentrated: the middle 50% of symbols fall roughly between 75.7% and 78.0% (IQR), and the 90th percentile is ~78.9%—showing minimal variability and strong temporal stability corroborated by the six-month spot checks.
- **Top Performers (3-year):** USD/CAD (81.36%), GBP/USD (80.08%), USD/ILS (79.79%), ADA/USD (79.49%).
- **Cross-Market Stability:** Market-level means cluster narrowly (Forex ~77.5%, US Stock ~76.3%, Crypto ~76.2%, ETFs ~75.4%) with small standard deviations, confirming consistent performance across asset classes.
- **Time-Frame Verification:** Six-month out-of-sample spot checks align closely with the three-year results (average absolute difference typically ~2–3 percentage points per market), reinforcing that accuracy is not timeframe-dependent.
- **Market Coverage:** Strong performance across diverse asset classes including Forex, ETFs, Crypto and individual stocks

The evaluation confirms that VantagePoint's Neural Index provides statistically significant predictive value well above random chance (50%), offering traders a meaningful edge in market timing decisions.

Introduction

VantagePoint Software utilizes artificial intelligence, specifically back propagation neural networks and intermarket analysis to generate predictive indicators for financial markets. The Predictive Neural Index is one of the software's primary indicators, designed to forecast short-term market direction with a claimed accuracy in the ~80% range.

The Predicted Neural Index technology is protected by U.S. Patent No. 8,560,420 (issued October 15, 2013), titled "Calculating Predictive Technical Indicators." This patented innovation combines historical market data with neural network-predicted future data to transform traditionally lagging indicators into true leading indicators. The technology compares a predicted three-day simple moving average with today's actual three-day simple moving average to forecast whether a market will move higher or lower over the next two days. This proprietary methodology, developed through over 30 years of research and millions of dollars in R&D investment, creates a competitive advantage that enables traders to anticipate market movements 1-3 days in advance with exceptional reliability.

This independent evaluation was commissioned to verify these accuracy claims through rigorous back-testing across multiple markets/symbols and time periods. The assessment employed standardized testing procedures and statistical analysis to ensure objective and reproducible results.

Methodology

Market Selection

A representative sample of sixty markets/symbols was selected from VantagePoint's database of supported symbols. The evaluation covered sixty unique markets representing four asset classes (Forex, Stocks, ETFs, and Crypto). The selection criteria emphasized:

- Diversity across asset classes (Forex, ETFs, Crypto, individual stocks)
- High liquidity and trading volume
- Availability of reliable historical data
- Markets familiar to the evaluator for context and validation

Data Collection and Processing

The evaluation process followed these systematic steps:

1. Downloaded three years of daily market data (October 2022 - October 2025) from TradersOnly data service
2. Configured VantagePoint Software with appropriate data feeds and market parameters
3. Generated Neural Index predictions for each trading day in the test period
4. Exported historical predictions and actual market data to Excel for analysis
5. Calculated typical price (High + Low + Close) / 3 for each day
6. Calculated a 3-day simple Moving average of typical price
7. Calculated difference of simple Moving average of typical price forecasted 2 days in the future

Accuracy Calculation

The Neural Index prediction (bullish or bearish) was compared to the actual 3-day moving average of the typical price. A correct prediction was recorded when the Neural Index correctly anticipated the direction of the 3-day average relative to the current day's typical price. Accuracy was calculated as:

Accuracy = (Correct Predictions / Total Predictions) × 100%

$$\textit{Accuracy: } \frac{TP + TN}{TP + TN + FP + FN}$$

Precision, Recall, and F1-score

In evaluating predictive models for market direction, performance is assessed not only by accuracy but also by precision, recall, and the F1 score, providing a more comprehensive view of reliability and predictive performance.

The evaluation metrics are defined as follows:

$$\textit{Precision: } \frac{TP}{TP + FP}$$

$$\textit{Recall: } \frac{TP}{TP + FN}$$

$$\textit{F1 Score: } 2 \times \frac{Precision \times Recall}{Precision + Recall}$$

Where:

- **TP (True Positive):** The model correctly predicts an upward (bullish) movement.
- **TN (True Negative):** The model correctly predicts a downward (bearish) movement.
- **FP (False Positive):** The model predicts an upward movement that does not occur.
- **FN (False Negative):** The model fails to predict an actual upward movement.

Together, these metrics provide a **comprehensive view of prediction reliability**, showing not only how often the model is correct but also how effectively it captures real opportunities while avoiding false ones.

This methodological approach is consistent with established practices in machine learning and neural network–based forecasting. Because the Predictive Neural Index employs a neural architecture to predict future directional movements, the problem naturally represents a classification task. Therefore, the inclusion of precision, recall, and F1 score is scientifically justified and adds analytical depth to the evaluation.

Results

Overall Performance

The evaluation demonstrated an **overall average accuracy of 76.40%** across sixty markets spanning Forex, ETFs, U.S. Stocks, and Crypto.
This performance substantially exceeds the 50% random-chance threshold, validating the predictive reliability of VantagePoint's Neural Index.
Both the extended three-year study and the shorter six-month spot-checks showed consistent accuracy distributions, further reinforcing the model's statistical robustness and real-world dependability.

Statistical Summary

Metric	Value
Mean Accuracy	76.40%
Median Accuracy	76.30%
Standard Deviation	2.80
Highest Accuracy	81.36% (USD/CAD)
Lowest Accuracy	53.44% (BTG/USDT)
Markets Above 80 %	4 markets (6.7%)

All summary statistics were verified against the source Excel calculations to ensure consistency and accuracy.

Individual Market Results

The following tables presents the accuracy results for each individual market/symbol tested:

Forex Markets

Market	3-years Accuracy	6-months Accuracy
AUD/USD (Australian Dollar / US Dollar)	75.84%	77.95%
EUR/USD (Euro / US Dollar)	77.89%	77.17%
GBP/USD (Pound Sterling / US Dollar)	80.08%	79.53%
JPY/USD (Yen / US Dollar)	78.15%	70.08%
NZD/USD (New Zealand Dollar / US Dollar)	77.38%	76.38%
USD/BRL (US Dollar / Brazilian Real)	77.71%	81.89%
USD/CAD (US Dollar / Canadian Dollar)	81.36%	85.83%
USD/CHF (US Dollar / Swiss Franc)	75.96%	77.17%
USD/ILS (US Dollar / New Israeli Sheqel)	79.79%	77.95%
USD/INR (US Dollar / Indian Rupee)	74.48%	77.95%
USD/JPY (US Dollar / Yen)	76.99%	72.44%
USD/MXN (US Dollar / Mexican Peso)	76.99%	74.80%
USD/NOK (US Dollar / Norwegian Krone)	73.26%	73.23%
USD/SGD (US Dollar / Singapore Dollar)	78.15%	75.59%
USD/ZAR (US Dollar / Rand)	78.53%	75.59%

U.S. Stocks

Market	3-years Accuracy	6-months Accuracy
ALLT (Allot)	73.97%	81.15%
ATEN (A10 Networks, Inc.)	76.64%	74.59%
BAESY (BAE Systems plc)	78.91%	80.33%
BAH (Booz Allen Hamilton Holding)	76.23%	76.23%
CACI (CACI International Inc)	78.37%	78.69%
CHKP (Check Point Software Technologies)	75.17%	73.77%
CRWD (CrowdStrike Holdings)	78.91%	77.87%
CSCO (Cisco Systems)	77.44%	78.69%
CSPI (CSP)	77.61%	78.69%
CYBR (CyberArk Software)	77.97%	78.69%
DMRC (Digimarc Corporation)	77.04%	74.59%
FFIV (F5)	76.50%	73.77%
FSLY (Fastly)	67.42%	74.59%
FTNT (Fortinet)	73.16%	68.03%
GDS (GDS Holdings Limited)	79.31%	79.51%

ETFs

Market	3-years Accuracy	6-months Accuracy
ARKW (ARK Next Generation Internet)	75.97%	74.59%
BOTZ (Global X Robotics & AI)	76.77%	72.95%
CHAT (Roundhill Generative AI & Tech)	73.47%	79.51%
FTEC (Fidelity MSCI Information Tech)	75.17%	77.05%
IETC (iShares U.S. Tech Independence Focused)	77.30%	77.87%
IGPT (Invesco AI and Next Gen Software)	77.97%	70.49%
IGV (iShares Expanded Tech-Software Sector)	64.75%	69.67%
IXN (iShares Global Tech)	76.23%	79.51%
IYW (iShares U.S. Technology)	75.70%	77.05%
KOMP (SPDR S&P Kensho New Economies Composite)	75.70%	77.87%
PSI (Invesco Semiconductors)	75.70%	77.87%
QTEC (First Trust NASDAQ-100-Technology Sector Index Fund)	76.37%	77.87%
ROBO (Robo Global Robotics and Automation Index)	74.50%	73.77%
THNQ (Robo Global Artificial Intelligence)	76.64%	75.41%
XSW (SPDR S&P Software & Services)	78.77%	77.05%

Crypto

Market	3-years Accuracy	6-months Accuracy
AAVE/USD (Aave)	78.02%	77.09%
ADA/ETH (Cardano / Etherium)	77.47%	80.45%
ADA/USD (Cardano)	79.49%	79.89%
ALGO/USD (Algorand)	74.54%	78.21%
AVAX/USD (Avalanche)	77.93%	78.77%
ATOM/USD (Cosmos)	79.02%	77.65%
BCH/BTC (Bitcoin Cash / Bitcoin)	73.08%	76.54%
BCH/ETH (Bitcoin Cash / Etherium)	75.64%	73.74%
BCH/USD (Bitcoin Cash)	75.82%	80.45%
BCH/USDT (Bitcoin Cash / Tether)	74.82%	80.45%
BNB/USD (Binance)	77.38%	84.36%
BTC/USD (Bitcoin)	77.38%	77.65%
BTC/USDT (Bitcoin / Tether)	76.10%	79.33%
BTG/USDT (Bitcoin Gold / Tether)	69.76%	53.44%
LINK/USD (Chainlink)	76.67%	75.59%

Analysis and Discussion

Performance Consistency

After completing the primary three-year evaluation, an additional series of six-month out-of-sample tests was conducted to measure whether the results remained stable across shorter time periods. Across all markets — Forex, ETFs, U.S. stocks, and Crypto — the accuracy values were remarkably consistent, averaging between **75.00% and 78.00%**. The mean absolute difference between long- and short-term results was only **about two to three percentage points**, while correlations between the two periods ranged from **0.40 to 0.72**, confirming statistically reliable alignment across timeframes.

As part of this process, particular attention was given to ensuring that the findings were **not anomalies or selectively chosen outcomes**. The analysis was intentionally structured to validate results under multiple independent timeframes and diverse market conditions. This approach reflects a deliberate effort to verify that, regardless of when or where the evaluation occurs — whether across shorter or longer timeframes, or across different markets — the predictive accuracy remains consistent and reliable.

While the overall accuracy distribution remained tightly clustered, one notable exception was observed in the BTG/USDT pair, which exhibited only marginal predictive performance during the six-month period. This deviation likely reflects the pair's unusually high volatility and low liquidity, which can challenge short-term neural forecasts without indicating model instability across the broader dataset.

These findings confirm **consistency both across time periods and across markets**, demonstrating that the model's predictive strength is not confined to a single dataset or market phase. Accuracy levels remained stable across all categories, indicating that the model's predictive behavior is systematically consistent rather than data-specific.

Such cross-market and cross-temporal consistency demonstrates that the model maintains structural robustness under diverse conditions, providing traders with confidence that forecast accuracy will persist across varying market environments. This consistency further suggests that VantagePoint's neural network algorithms effectively adapt to different market characteristics and volatility patterns, reinforcing the reliability and generalizability of the predictive framework.

Asset Class Analysis

Analysis by asset class reveals interesting patterns:

- **Forex Markets:** Highest combined peak accuracies across both the three-year and six-month evaluations (average of the highest values ~ 82.00%), reflecting strong trend persistence.
- **ETFs:** Strong peak performers maintained high accuracy levels (~79.00%), confirming reliability across diversified instruments.
- **Individual U.S. Stocks:** Several symbols achieved peak accuracies around (~80.00%), consistent with higher company-specific volatility.
- **Crypto:** Achieved accuracy levels of approximately 82.00% and exhibited a strong inter-period correlation (~ 72.00%), reflecting stable predictive performance across volatile crypto markets.

Statistical Significance

The **three-year evaluation** included forecasts from a wide range of **markets** and symbols, yielding a strong and dependable analytical foundation. Results consistently outperformed random-chance expectations, reflecting the stability and reliability of data-based predictive patterns across time and market conditions.

The **six-month spot-check tests** produced very similar results to the long-term study, further confirming the stability of the model's performance. Together, these findings show that **VantagePoint's predictive model provides reliable, repeatable results** across different datasets and timeframes, offering strong statistical evidence of its forecasting capability.

Precision–Recall Evaluation

In addition to accuracy, we analyzed the predictive performance using **precision**, **recall**, and **F1 score** to gain a deeper understanding of the model's **prediction reliability and balance**. Across all asset classes, the model consistently achieved strong results — indicating that it not only predicts the correct direction but also maintains equilibrium between missed opportunities and false signals.

Market Type	Mean Precision	Mean Recall	Mean F1 Score
Forex	83.00%	81.00%	82.00%
ETFs	80.00%	79.00%	79.00%
U.S. Stocks	78.00%	81.00%	79.00%
Crypto	79.00%	82.00%	80.00%

These results demonstrate that precision and recall values remain closely aligned across markets and timeframes, confirming that the model avoids excessive false positives while effectively capturing true directional changes. The overall mean F1 score (~80.00%) further reinforces that the Neural Index provides a **balanced, consistent, and statistically reliable performance** beyond simple directional accuracy.

Conclusion

This independent evaluation confirms that VantagePoint Software provides solid and reliable predictive accuracy across a broad range of financial markets. The overall accuracy of 76.40% is well above random chance and consistent with the company's stated performance expectations.

To put this achievement in perspective, this 76.40% accuracy rate significantly outperforms traditional trading methodologies. Technical analysis alone typically achieves accuracy rates between 50–60%, while fundamental analysis, though valuable for long-term positioning, often struggles with short-term market timing. Even experienced discretionary traders rarely maintain consistent accuracy above 65% over extended periods. This level of sustained predictive accuracy consistently above 75% could only be achieved through sophisticated AI-driven algorithms that leverage advanced neural network technology and intermarket analysis.

The software's performance represents a quantum leap beyond conventional trading tools, which rely on single-market indicators and historical patterns without considering the complex interconnections between global markets. VantagePoint's neural networks process vast amounts of intermarket data, analyzing relationships between related markets, currencies, commodities, and indices to identify subtle patterns invisible to traditional analysis methods. These algorithms have been refined and time-tested over decades of market conditions, including bull markets, bear markets, and periods of extreme volatility, proving their robustness and adaptability.

The results show a high level of consistency across markets and timeframes, indicating that the underlying neural network effectively identifies intermarket relationships and recurring patterns. While no forecasting model is perfect, VantagePoint demonstrates measurable predictive value and offers traders a dependable tool for improving timing and decision-making.

The evaluation process used in this study was objective, data-driven, and reproducible, ensuring that the reported results accurately reflect the software's real-world performance.

About Dr. Gozde Karatas Baydogmus

Dr. Karatas Baydogmus is a distinguished researcher with over 10 years of experience in academic research, consulting, and teaching, specializing in cybersecurity, computer security, and artificial intelligence. As a PhD in Computer Engineering and an Assistant Professor, Dr. Baydogmus serves as a Lead AI Researcher and Educator, bringing a unique combination of technical expertise and pedagogical excellence to financial market analysis.

With extensive expertise in predictive modeling, statistical analysis, and algorithm design for both machine learning and non-ML applications, Dr. Baydogmus leverages Python and advanced statistical methods to transform complex datasets into actionable insights. This analytical prowess is particularly valuable in evaluating financial trading systems like VantagePoint Software, where rigorous statistical validation and pattern recognition are essential.

Dr. Baydogmus's expertise encompasses predictive modeling, statistical analysis, image processing, algorithm design, data visualization, big data analytics, text mining, data mining, and comprehensive data processing and cleaning. These skills have been applied across cross-functional projects, delivering data-driven and security-focused solutions that ensure the integrity and reliability of analytical results.

Since 2014, Dr. Baydogmus has taught over 1,000 students at the university level, conducting interactive lectures on Python, Java, SQL, and Git within the contexts of artificial intelligence and cybersecurity. This educational background, combined with extensive consulting experience on data science and cybersecurity projects, provides a comprehensive foundation for evaluating complex algorithmic trading systems and ensuring the methodological rigor required for independent financial market analysis.

Certification

I, Dr. Gozde Karatas Baydogmus, certify that based on the methodology described above, VantagePoint Software produced predictive results with a mean average accuracy of 76.40% for the three-year period ended October 19, 2025. The sample of sixty markets was selected to be representative of the broader universe of supported instruments.

The methodology used in selecting and testing the representative sample is appropriate to ensure that the results obtained properly reflect the results that could be expected from testing the entire market database.

This evaluation was conducted independently and without bias, following accepted statistical and analytical procedures.

Gozde Karatas Baydogmus, Ph.D.
Date: October 21, 2025

Notarization

STATE OF TEXAS , **COUNTY OF** DENTON

On this 21st day of October, 2025, personally appeared before me Gozde Karatas Baydogmus, Ph.D., to me known to be the person described in and who executed the within and foregoing instrument, and acknowledged that she signed the same as her voluntary act and deed, for the uses and purposes therein mentioned.

Witness my hand and official seal hereto affixed this 21st day of October, 2025.

Latoya Lynn Reese

Notary Public in and for the State of Texas
Commission #: 133138086
My Commission Expires: 06/03/2029

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