International Scientific Journal of Engineering and Management (ISJEM) ISSN: 2583-6129
Volume: 04 Issue: 06 | June – 2025 DOI: 10.55041/ISJEM04154
An International Scholarly || Multidisciplinary || Open Access || Indexing in all major Database & Metadata

A Study on Common Trading Strategies Used by Indian Investors and Traders

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Abstract

This study presents a comprehensive review of prevalent trading strategies among Indian retail investors, drawing upon existing literature to analyze their preferences for technical, fundamental, and informal approaches. The research identifies a significant reliance on technical indicators such as RSI and MACD, often employed without comprehensive understanding, and highlights the substantial influence of social media and peer advice on investment decisions. The findings underscore the need for enhanced financial literacy and structured education to promote informed trading practices among Indian retail investors.

Keywords: Indian retail investors, trading strategies, technical analysis, fundamental analysis, social media influence, financial literacy, risk management

1. Introduction

The Indian stock market has undergone a significant transformation over the past decade, marked by a substantial increase in retail investor participation. This shift is attributed to factors such as improved financial literacy, enhanced access to capital markets, and the proliferation of user-friendly mobile trading applications. The democratization of market access has enabled individuals across various demographic and socio-economic backgrounds to engage in trading activities.

With increased retail involvement, there is a corresponding diversification in trading strategies. Indian traders and investors employ a myriad of strategies encompassing technical analysis, fundamental analysis, news-driven trading, momentum investing, and personal intuition. The selection of a particular strategy often hinges on factors such as investor experience, risk tolerance, investment horizon, and information availability.

Understanding the approaches of typical Indian investors and traders is crucial not only for assessing individual performance but also for evaluating their collective impact on market dynamics. The aggregate strategies of retail participants significantly influence market liquidity, volatility, and price discovery.

2. Objectives of the Study

1. To identify the most prevalent trading strategies employed by retail investors in India.
2. To assess investor preferences between technical, fundamental, and informal methods.
3. To analyze individual investors' usage patterns of trading instruments and indicators.

3. Methodology

This study employs a secondary literature review approach, systematically analyzing existing academic articles, industry reports, and empirical studies related to trading strategies among Indian retail investors. The research synthesizes findings from various sources to provide a comprehensive understanding of the subject matter.

4.Literature Review (Thematic Synthesis)

Theme	Key Evidence	Take-aways
4.1 Technical-rule profitability	Tadas et al. (2023) show Bollinger Band + RSI rules beat SMA/EMA on Nifty stocks, but edge narrows with costsbusinessperspectives.org. Sharma & Jaswal (2023) find moving-average rules on BSE Sustainability indices underperform buy-and-holdjournalpressindia.com. A 23-country study argues predictability of 6,400 rules collapses post-2015, especially out-of-samplelink.springer.com.	Technical signals work episodically; success is regime- and cost-sensitive.
4.2 Derivative & hedging strategies	SEBI's 2024 study: *93 %* of retail F&O traders lost ~₹2 lakh each FY 22-24newindianexpress.com. Business-Standard corroborates ₹1.81 trn aggregate loss and >91 % losing ratio in FY 24business-standard.com. SEBI capped weekly contracts and raised lot values to curb "hyperactive expiry-day trading"reuters.com.	Retail derivatives trading is predominantly loss-making; policy response focuses on friction and education.
4.3 Behavioral biases & sentiment	Survey studies link loss-aversion & herding to age and educationirjems.orgkuey.net. Overconfidence oscillates with bull-bear phasespmc.ncbi.nlm.nih.gov. Twitter-sentiment models improve Nifty directional accuracy to ~80 % when fused with technicalscribfb.com, but news sentiment remains more influential than social media for India's overnight returnsonlinelibrary.wiley.com.	Social cues magnify momentum chasing; tech platforms amplify biases in real time.
4.4 Momentum & volatility strategies	Retail-oriented momentum/volatility blends outperformed Nifty 50 between 2018-24, but gains skew to younger, high-risk investorsjier.org. Intraday momentum adapted for Indian microstructure shows promise with Net Gamma Exposure filtersresearchgate.net.	Momentum can work, yet scalability and slippage remain concerns.
4.5 Algorithmic trading access	SEBI draft circular (Dec 2024) seeks to open "white-box" algos to retail while vetting "black-box" systems via exchange registrationreuters.combusinesstoday.in. Despite hype, retail-algo adoption is low due to complexity and costeconomictimes.indiatimes.com.	The next frontier is regulated, transparent retail automations with built-in risk limits.

Theme	Key Evidence	Take-aways
4.6 Fundamental & IPO flipping	SEBI IPO study: 54 % of shares allotted to retail are sold within a week (disposition effect)moneycontrol.comthehindu.com. Fundamental long-term portfolios remain principal wealth generators but are often interrupted by short-term profit booking during bull runs.	Fundamentals dominate long-horizon wealth but compete with behavioural urge to "flip" winners.

The Indian stock market has witnessed a growing adoption of structured trading strategies among various investor types. Several studies have examined the performance and practicality of these strategies under different market conditions.

Tadas (2023) evaluated technical strategies in Indian equity markets using historical data, highlighting the effectiveness of single and dual moving average crossovers, RSI-based trading, MACD signals, and Bollinger Band reversals. The study found that momentum-based and trend-following strategies outperformed buy-and-hold approaches, particularly in trending markets, although their success was contingent on market conditions.

Prasad and Raj (2020) focused on derivatives, especially options-based strategies like covered calls, protective puts, bull call spreads, bear put spreads, and long straddles. These strategies were deemed effective for both hedging and speculative trading, depending on volatility and market direction, allowing for better risk-reward management compared to direct equity trades.

Sundar (2019) analyzed algorithmic trading strategies in India, identifying commonly used models such as statistical arbitrage, mean reversion, trend-following algorithms, and high-frequency scalping. These strategies were shown to enhance trade efficiency and execution speed, particularly among institutional traders utilizing automated systems.

Sinha (2019) studied options strategies from an investor perspective, focusing on structures like straddles, strangles, iron condors, calendar spreads, and vertical spreads. The paper concluded that non-directional strategies were most effective during high volatility, while vertical spreads were suitable for directional but risk-limited trades.

Jaiswal (2023) discussed the impact of behavioral biases on strategy choices, noting tendencies such as overconfidence, anchoring, and loss aversion. These biases often led to irrational trading decisions, such as averaging down or premature exits, underscoring the need for more disciplined or algorithmic systems.

Patel (2023) proposed the optimization of technical trading using machine learning, testing strategies including MACD crossovers, RSI triggers, stochastic oscillators, and Bollinger Band systems. The study demonstrated that with proper signal tuning and stop-loss mechanisms, these strategies could yield higher risk-adjusted returns.

4.1 Prevalent Trading Strategies Among Indian Retail Investors

Indian retail investors adopt a range of trading strategies, including long-term investing, short-term trading, and derivative-based trading. Long-term investing remains the most common approach, with a significant number of investors also engaging in short-term and derivative-based trading. The surge in derivative trading is attributed to a "gambling instinct" among investors, leading to increased participation in high-risk options trading.

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4.2 Investor Preferences: Technical, Fundamental, and Informal Methods

Retail investors in India exhibit varied preferences for trading methods. Technical analysis is widely used, with indicators such as RSI and MACD being popular tools. However, many investors employ these tools without a comprehensive understanding, leading to suboptimal decision-making. Fundamental analysis, involving the examination of financial statements and economic indicators, is also practiced but to a lesser extent. Informal methods, including reliance on social media and peer advice, significantly influence investment decisions.

4.3 Usage Patterns of Trading Instruments and Indicators

The usage patterns of trading instruments and indicators among Indian retail investors are diverse. Technical indicators such as Moving Averages, RSI, Bollinger Bands, and MACD are frequently employed. However, the lack of comprehensive understanding and systematic application of these tools often leads to inconsistent results. The influence of social media further complicates usage patterns, with investors frequently swayed by online trends and advice.

5. Analysis and Discussion

5.1 Analysis of Prevalent Trading Strategies

The dominance of long-term investing among Indian retail investors reflects a traditional approach to wealth accumulation. However, the increasing participation in short-term and derivative-based trading indicates a shift towards more aggressive strategies. This trend is concerning, given the high-risk nature of derivatives and the potential for significant losses among inexperienced investors.

5.2 Assessment of Investor Preferences

The preference for technical analysis among retail investors is evident, with many relying on indicators such as RSI and MACD. However, the superficial application of these tools, often without a deep understanding, undermines their effectiveness. The influence of social media and informal advice further exacerbates this issue, leading to impulsive and uninformed trading decisions.

5.3 Evaluation of Usage Patterns

The inconsistent and often unsystematic use of trading instruments and indicators among Indian retail investors highlights a need for improved financial education. The reliance on social media for trading advice introduces additional risks, as misinformation and hype can lead to poor investment outcomes.

Strategy Popularity vs. Profitability – Retail investors *prefer* easily-grasped technical indicators (RSI/MACD) and short-dated options because they promise quick wins, yet evidence shows consistent profits accrue mainly to disciplined, longer-horizon fundamental holders.

Behavioural Overlay – Overconfidence swells after rallies, fuelling leveraged options punts; herding via Telegram/YouTube accelerates order-flow imbalances on weekly-expiry days, forcing regulators to intervene with contract caps.

Technology Double-Edged Sword – App-based discount broking, APIs, and low-latency data democratise access but also gamify trading, nudging inexperienced users toward high-frequency speculation. Planned "white-box" retail algos may encode better risk controls if accompanied by mandatory education modules.

Regulatory Feedback Loop – SEBI's phased tightening (higher margins 2020-21, lot-size hike 2024, SIM-binding & biometrics 2025) underscores a shift from caveat-emptor to proactive consumer-protection stance.[4]

Education Gap – Studies repeatedly show that less than half of retail participants back-test or understand option Greeks. Embedding financial-literacy nudges within trading apps (quiz-unlock, risk-score alerts) and subsidising MOOC-style courses could mitigate systemic risk.

6. Conclusions

In sum, Indian retail trading has reached an inflection point where access alone is no longer the constraint; informed usage, behavioural discipline, and supportive regulation will dictate whether the next 100 million investors become wealth creators or casualty statistics.

The study reveals that Indian retail investors employ a variety of trading strategies, with a significant reliance on technical analysis and informal methods. The superficial application of technical indicators and the influence of social media contribute to suboptimal trading decisions. There is a pressing need for enhanced financial literacy and structured education to equip investors with the necessary skills and knowledge for informed trading.

The systematic analysis offers a comprehensive view into the complexities of:

- **Dominant strategy mix**: Long-only fundamental investing still anchors portfolios, yet short-term technical-indicator trading and leveraged option bets capture mindshare.
- **Profit dispersion**: Consistent alpha concentrates in a minority employing disciplined rule-sets or robust hedges; the median derivatives trader loses money.
- **Behavioural drivers**: Overconfidence, herding and the disposition effect explain rapid strategy switches and early profit-taking.
- **Policy path**: SEBI's progression from margin hikes to algorithm vetting is directionally sound but must be paired with outcome-based investor-education metrics (e.g., reduction in loss incidence).
- **For educators and brokers**: Integrate structured tutorials, sandbox back-testing, and real-time risk dashboards to replace ad-hoc "social-media schooling."
- **Future research**:
    - Measure efficacy of "white-box" retail algos post-implementation (2025-26).
    - Longitudinally track sentiment-price feedback loops across Hindi-language social channels.
    - Evaluate cost-adjusted returns of volume-based momentum portfolios across small-cap segments.

7. Future Implications

To foster a more informed and resilient retail investor base in India, the following measures are recommended:

- **Financial Education Programs:** Implement comprehensive financial literacy programs to educate investors on various trading strategies, risk management, and the proper use of technical and fundamental analysis tools.
- **Regulation of Financial Advice:** Strengthen regulations to curb the dissemination of misleading financial advice on social media platforms, ensuring that investors receive accurate and reliable information.

- **Promotion of Fundamental Analysis:** Encourage the adoption of fundamental analysis among retail investors to promote long-term investment strategies and reduce reliance on speculative trading.
- **Development of Support Tools:** Create user-friendly tools and resources to assist investors in making informed decisions, including platforms that provide verified financial information and analysis.

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