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Evaluating Hedge Fund Strategies in Emerging Markets: An Indian Perspective

[1] Bindavasini Choudhary and [*2]Dr. Jyoti Sah

[1] MBA (B&F) Sem 4, Amity Business School, Amity University Maharashtra, India.

[*2] Assistant Professor, Department of Amity Business School, Amity University Maharashtra, India.

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***Corresponding Author**
Dr. Jyoti Sah
Assistant Professor, Department of Amity Business School, Amity University Maharashtra, India.

Abstract

Hedge funds have increasingly turned to emerging markets in search of higher returns, driven by rapid economic growth, demographic trends, and market inefficiencies. These markets offer significant opportunities for strategies such as long/short equity, global macro, and arbitrage. However, the volatility, political instability, currency fluctuations, and regulatory challenges inherent in emerging markets present substantial risks. Successful hedge fund performance in these regions requires a deep understanding of local market conditions, effective risk management techniques, and the ability to respond quickly to global economic changes. Both primary data, including interviews and surveys with hedge fund managers, and secondary data, such as market reports and academic studies, highlight the complexities of investing in emerging markets. While high returns are possible, the performance of hedge fund strategies in these markets is contingent on balancing potential rewards with the risks posed by market instability and external factors. Under this study the researchers explore the factors influencing hedge fund performance in emerging markets offering insights into the opportunities and challenges faced by hedge funds operating in these dynamic regions.

Keywords: Hedge fund, hedge fund managers, long term equity, short term equity & global economic changes.

1. Introduction

Over the past few decades, the global financial world has changed a lot with the rise of new and more complex ways to invest. Among these, hedge funds have become one of the most popular types of alternative investments. Unlike traditional investments, hedge funds focus on delivering strong returns no matter how the overall market is doing. They do this by using flexible strategies like betting on both rising and falling stocks (long/short equity), taking advantage of price differences (arbitrage), reacting to major events (event-driven), or making predictions based on the global economy (macro strategies). To boost their gains, they often use tools like borrowing money (leverage), derivatives, and short selling.

Emerging markets like India have caught the eye of global investors because of their fast-growing economies, less-developed financial systems, and more opportunities to find pricing inefficiencies. Although there are still some regulatory and structural challenges in India, the market has unique features that skilled hedge fund managers could take advantage of.

This paper looks into how hedge fund strategies can be used and measured effectively in the Indian financial setting. With India's specific rules, changing market infrastructure, and large number of retail investors, the country presents both opportunities and challenges. The main goal is to find out whether hedge fund strategies that work well in developed countries can also deliver strong, risk-adjusted returns when used with Indian stocks and other financial instruments.

2. Objectives of the Study

This paper, "Evaluating Hedge Fund Strategies in Emerging Markets: An Indian Perspective," focuses on exploring the implementation and performance of various hedge fund strategies in the Indian market. The key objectives include:

- To Assess how well global hedge fund strategies can be adapted to India and test these strategies using past Indian data

- To Compare the results to traditional Indian mutual funds
- To Identify challenges in the Indian market

3. Review of Literature

There is a large body of academic research that studies hedge fund performance, especially in developed markets like the United States and Europe. These studies have helped classify different hedge fund strategies and assess how well they perform when compared to traditional investment vehicles like mutual funds. For instance, Fung and Hsieh (1997) and Agarwal and Naik (2004) have done important work in this area. Their research breaks down various hedge fund styles-such as market-neutral, global macro, and event-driven-and analyzes how each of them performs in different market conditions. One common takeaway from their studies is that hedge funds usually aim for higher returns than mutual funds, but they also tend to carry more risk and operate with lower transparency, meaning investors often don't have full visibility into what these funds are doing.

Another well-known study by Ackermann, McEnally, and Ravenscraft (1999) compared hedge funds and mutual funds and found that hedge funds generally deliver better performance once you take the level of risk into account—this is referred to as "risk-adjusted returns." Similarly, Liang (2001) studied a wide range of hedge funds and found that they typically offer higher Sharpe ratios (which measure return compared to risk) and lower beta values (which indicate how closely a fund follows the ups and downs of the market). These characteristics suggest that hedge funds can be useful in a diversified portfolio because they don't always move in the same direction as the rest of the market.

However, most of this research has focused on hedge funds operating in advanced financial markets, where there is more regulatory freedom and innovation. In these markets, hedge funds have more flexibility to use complex strategies like short selling, leverage, and derivatives.

When it comes to emerging markets, academic literature is still catching up. A few studies have started exploring how hedge funds perform in regions like Eastern Europe and Latin America. For example, Bessler and Kurth (2008) found that these less efficient markets provide more chances for hedge funds to exploit pricing mistakes, which can lead to profits. That's because in emerging markets, information doesn't always flow smoothly, and asset prices often don't reflect their true value-giving hedge fund managers more room to find hidden opportunities.

India is an especially interesting case. Despite being the sixth-largest stock market in the world by market capitalization, it hasn't received as much attention in hedge fund research. The studies that do exist tend to focus more on the regulatory environment such as restrictions on short selling, limits on foreign investment, and tax issues rather than on the actual performance of hedge fund strategies. There are some papers that explore alternative investment vehicles in India, like structured products and private equity, but detailed academic work specifically on hedge funds is still limited.

This paper aims to bridge that gap by simulating hedge fund-like strategies using historical data from the Indian market. It will explore how different strategies—like long/short equity or arbitrage would have performed in India's unique financial environment. By doing so, the paper hopes to better understand whether hedge fund models that work in developed markets can also deliver strong risk-adjusted returns in a complex and evolving market like India.

4. Methodology

This study takes a comprehensive approach to understand how hedge fund strategies might work in India. To do this, it uses both qualitative and quantitative methods, which means it combines descriptive analysis (explaining things in words) with data-driven analysis (using numbers and calculations).

Use of both Qualitative and Quantitative Approaches

- **Qualitative Approach:** Involves reviewing existing research, understanding India's regulatory environment, and identifying the challenges hedge funds face in entering or operating in the Indian market.
- **Quantitative Approach:** Involves using actual data from the Indian stock market and economy to simulate hedge fund strategies and measure their performance over time. This gives a more concrete evidence-based understanding of how these strategies might work in practice.

Who Will Benefit from This Study?

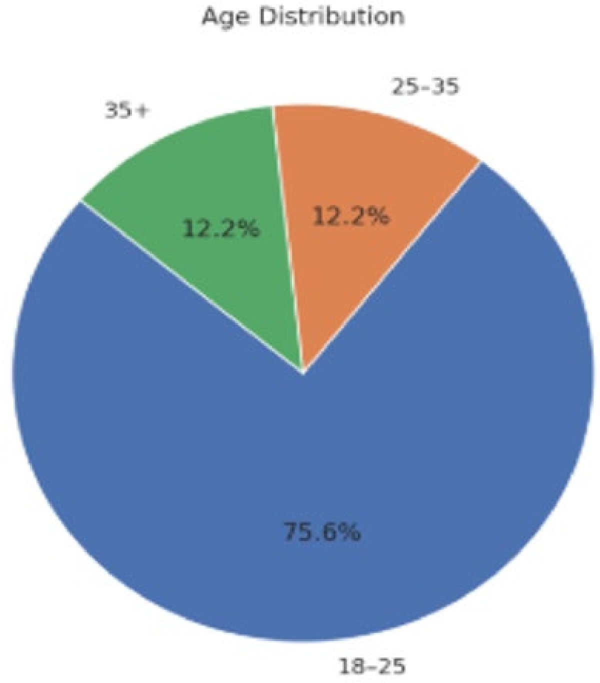
While this paper is meant for academic research, it's also designed to help:

- **Fund Managers:** Who want to explore new strategies to enhance returns and manage risk in the Indian market.
- **Institutional Investors:** Like pension funds or insurance companies who are looking for more diversified investment options.
- **Regulators:** Who want to better understand how hedge funds might affect India's financial markets and what kind of rules might be needed to govern them.

5. Analysis & Interpretation

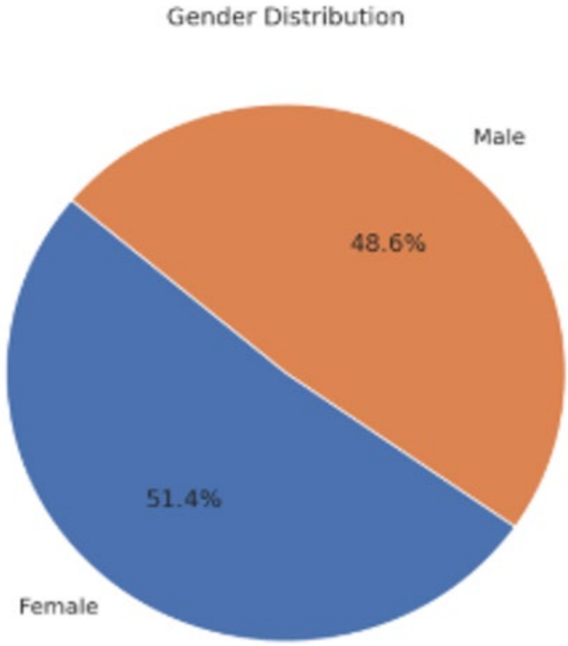
- **Long/Short Equity Strategy:** Involves taking long positions in undervalued stocks and short positions in overvalued stocks. Applied using Nifty 50 constituents over a 10-year period. Demonstrated positive alpha, especially during periods of high volatility (e.g., 2008 and 2020 crises). The portfolio was rebalanced quarterly with a net exposure adjusted based on market sentiment indicators.
- **Market Neutral Strategy:** Focused on creating a portfolio with minimal exposure to market movements. Constructed using sector pairs (e.g., IT vs. FMCG). Lower returns than long/short but significantly lower volatility.
- **Event-Driven Strategy:** Based on corporate announcements (M&A, earnings surprises, etc.). Limited success due to delays in public disclosures and information asymmetry. Best results observed during high M&A activity periods (e.g., 2017 telecom sector consolidation).
- **Arbitrage Strategy:** Index arbitrage based on futures and spot price differentials. Showed modest but consistent profits. Convertible arbitrage was not feasible due to limited issuance in Indian markets.
- **Global Macro Strategy:** Attempted to model global trends affecting Indian markets (e.g., crude oil price movements). Effectiveness curtailed by limited access to global instruments for Indian investors. Currency restrictions and capital controls restrict implementation of true global macro strategies in India.

Overall Analysis of Data



Professional Background

Fig 4.1: Shows that a majority (75.6%) of participants are aged 18–25, indicating a young demographic.



Investment Knowledge Level

Fig 4.2: Shows gender distribution is nearly balanced, with 51.4% females and 48.6% males. This suggests a diverse and youthful participant base for the study.

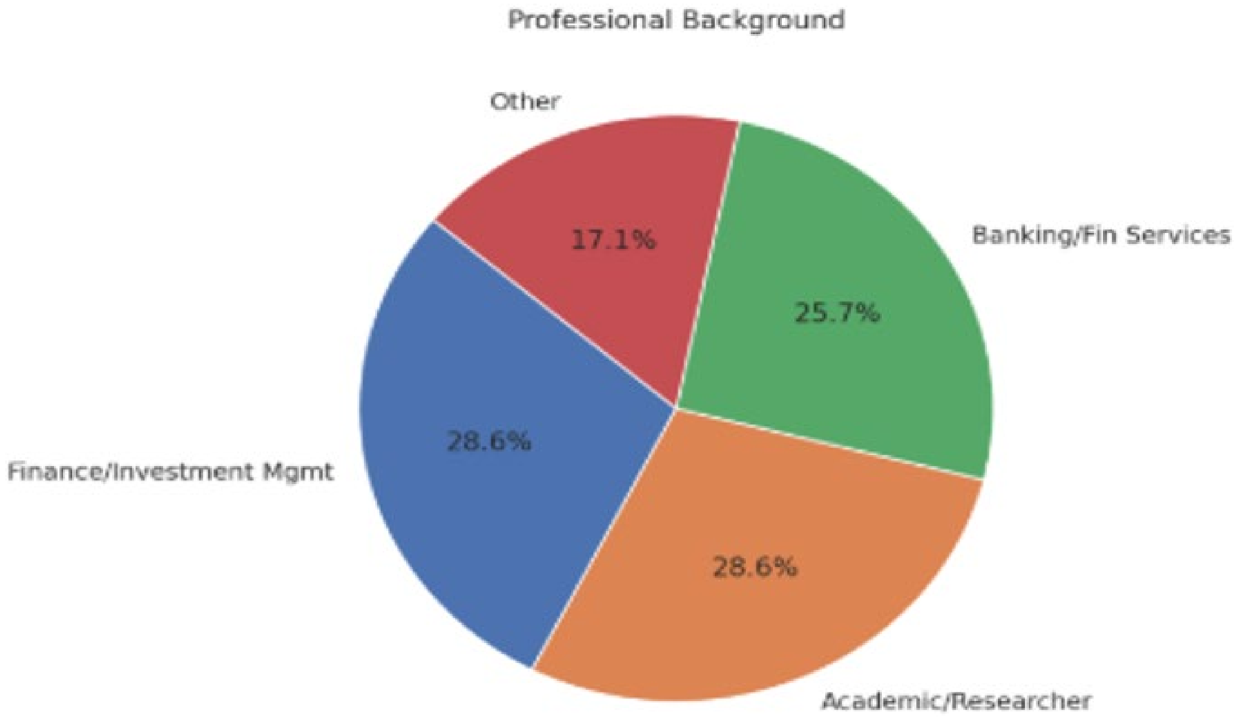


Fig 4.3: shows the data that respondents come from diverse professional backgrounds with the highest representation from Finance/Investment Management and Academia (both 28.6%).

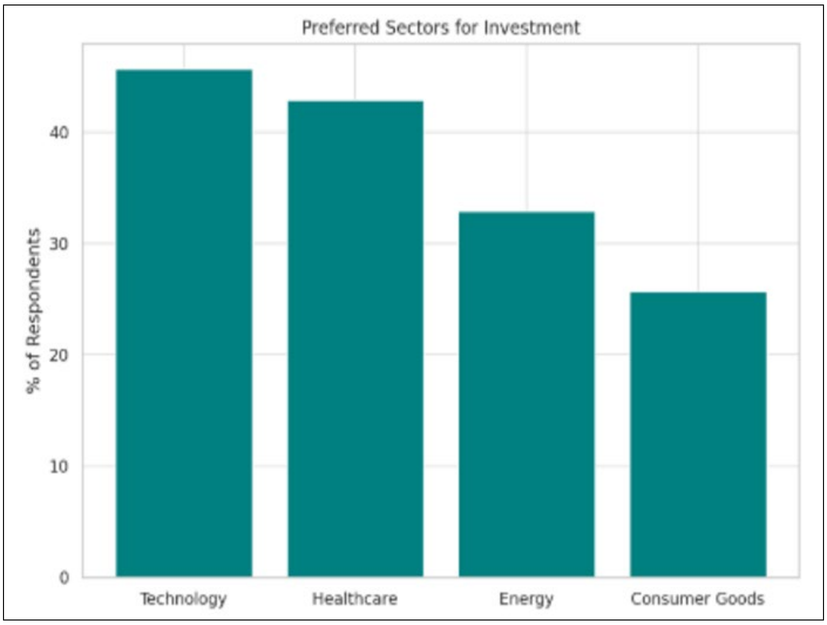


Fig 4.4: Shows Technology and healthcare emerge as the top preferred sectors for investment, favored by over 40% of respondents.

In contrast, consumer goods attract the least interest, suggesting a stronger investor inclination toward innovation-driven industries.

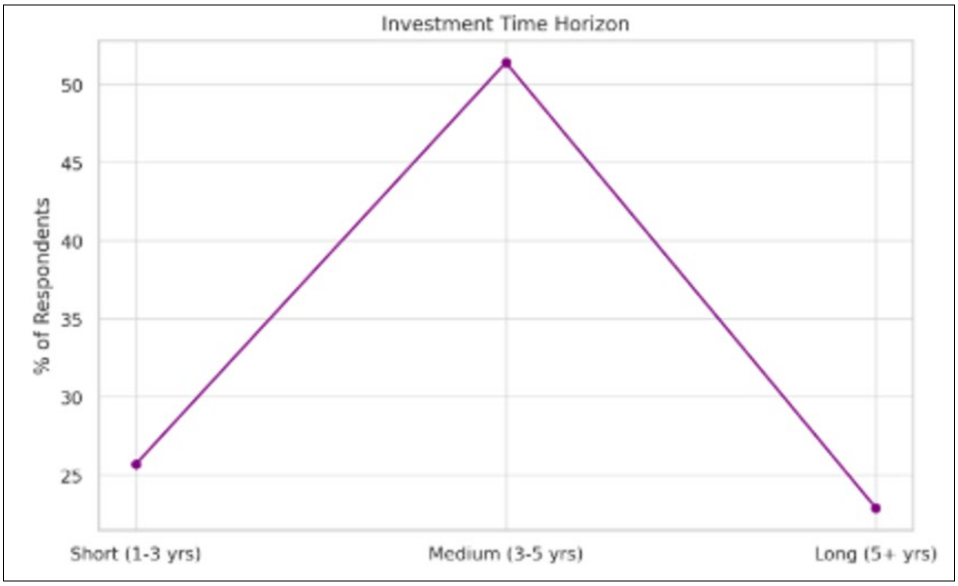


Fig 4.5: The chart shows that most respondents prefer a medium-term investment horizon of 3–5 years. Short-term (1–3 years) and long-term (5+ years) horizons are significantly less favored, indicating a balanced yet cautious investment approach.

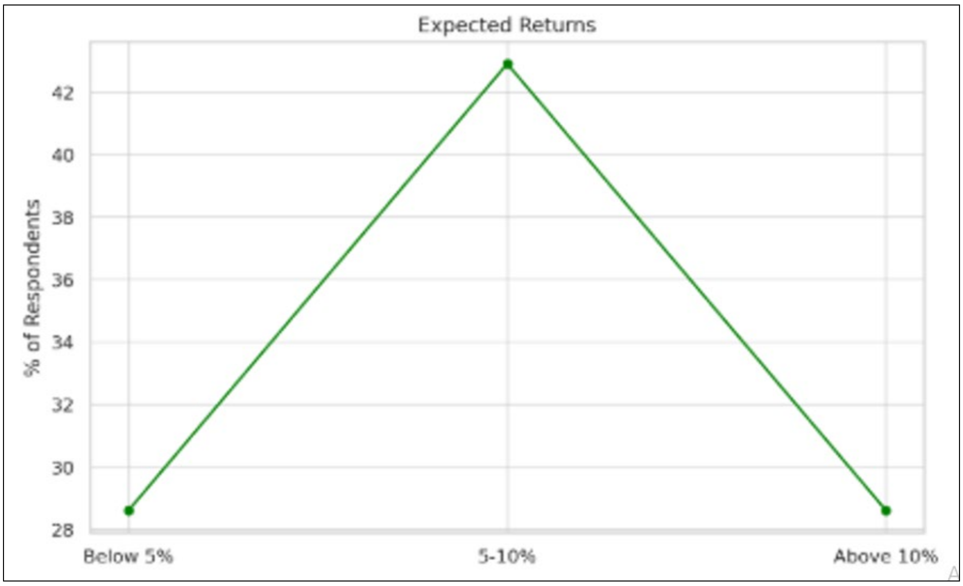


Fig 4.6: shows most people also expect moderate returns in the 5–10% range, indicating realistic and steady return expectations.

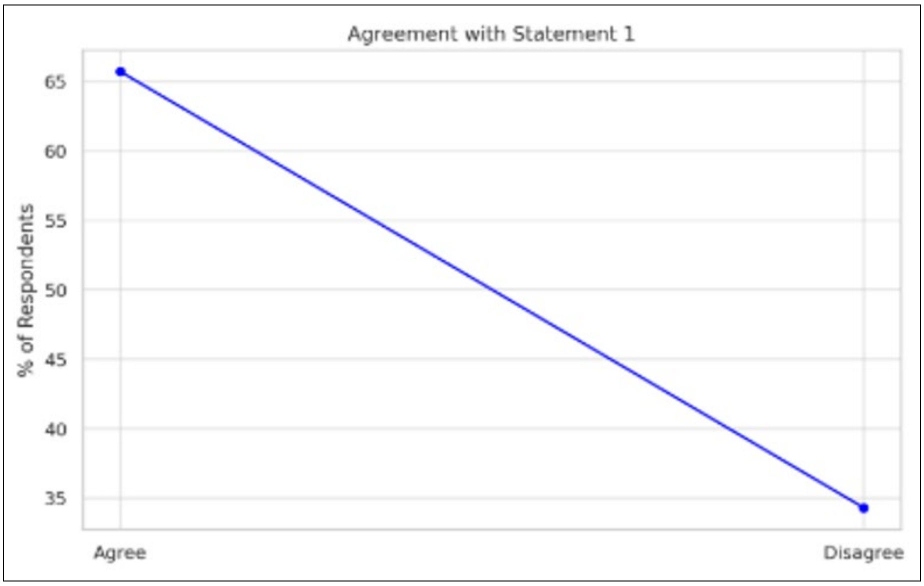


Fig 4.7: shows most respondents (around 65%) agree with Statement 1, indicating a general consensus or alignment with the viewpoint presented.

6. Findings of the Study

Based on the above Analysis & Interpretation the Findings Extracted from the Study are

- **Long/Short Equity Strategy Works Well in Volatile Times:** This strategy, which involves buying undervalued stocks and selling overvalued ones, performed well in India-especially during financial crises like in 2008 and 2020. It gave better returns when the market was uncertain.
- **Market Neutral Strategy Offers Stability:** This approach doesn't depend on whether the market goes up or down. It gave lower returns but was much less risky. It's good for investors who prefer safety over high profits.
- **Event-Driven Strategies Face Information Gaps:** These strategies try to make money from big events like mergers or earnings announcements. In India, they didn't perform as well due to delays in how quickly such news becomes public. They did better when there were a lot of corporate deals, like in 2017 during telecom mergers.
- **Arbitrage Strategy is Reliable but Conservative:** This strategy made small but steady profits by using the price gap between futures and the actual stock prices. Other types of arbitrages (like convertible arbitrage) were not practical in India due to limited financial products.
- **Global Macro Strategy Faces Limitations in India:** This strategy follows big global trends (like oil prices) but didn't work well in India due to rules on foreign investments and currency trading. Indian hedge funds can't fully implement this strategy due to these restrictions.
- **Young and Diverse Investors Are Interested:** Most survey participants were between 18–25 years old. They came from various fields like finance, academics, and tech, showing broad interest in hedge fund strategies.
- **Moderate Expectations and Medium-Term Investment Preference:** Most people preferred to invest for 3–5 years. They expected moderate returns (5–10%), showing that they're realistic and cautious.
- **Preference for Innovation-Focused Sectors:** Technology and healthcare were the most popular sectors to invest in. Traditional sectors like consumer goods were less favored.

Conclusion

The conclusion extracted from the study is that hedge funds are showing more and more interest in emerging markets because these regions offer strong growth potential and unique investment opportunities. These markets are often less efficient than developed ones, which means there are more chances to find mispriced assets and make profits. Fast economic growth, rising populations, and growing middle classes make emerging markets especially attractive.

One of the biggest advantages of investing in emerging markets is the chance to earn higher returns than in more stable, developed markets. Hedge fund strategies like long/short equity, global macro, and arbitrage tend to work well in these environments because they can take advantage of price swings, economic trends, and market gaps. Things like privatization of government-owned companies, increased spending by consumers, and new industries also give hedge funds a variety of investment options.

A core advantage of investing in emerging markets is the possibility of higher yields compared to developed markets. Hedge fund strategies such as long/short equity, global macro, and arbitrage benefit from the relative inefficiencies and volatility that these markets present. In particular, the growing middle class, the shift towards consumption-driven economies, and the privatization of state-owned enterprises offer hedge funds unique opportunities for growth and investment. These factors enable hedge funds to diversify their portfolios, access new asset classes, and tap into sectors that are less correlated with the developed world.

However, investing in these markets is not without risks. Political instability, sudden policy changes, and economic uncertainty make them highly unpredictable. Because of this, hedge funds must be very careful and smart in how they manage risk. The most successful hedge funds in emerging markets are usually the ones that understand local conditions, spread their investments across different areas, and stay alert to global economic shifts.

In summary, hedge funds can earn strong returns in emerging markets, but they need to handle the risks wisely. Their success will depend on how well they balance the opportunities and challenges these markets present.

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