Indian Journal of Modern Research and Reviews

This Journal is a member of the *'Committee on Publication Ethics'*

Online ISSN: 2584-184X

Review Article

Exploring the Benefits and Risks of Hedge Funds: A Comprehensive Research Analysis

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DOI: https://doi.org/10.5281/zenodo.12472358

ABSTRACT

This paper is an attempt to provide a comprehensive analysis of the benefits and risks of hedge funds. It formalizes a definition incorporating aspects of profit maximization, minimum restrictions, and operational independence.

Introduction: Hedge funds have become a significant component of the global financial system, known for their potential to generate high returns and their complex investment strategies. This research aims to delve into the benefits and risks associated with hedge funds, offering a detailed analysis to inform both investors and policymakers.

Objective: The primary objective of this study is to comprehensively evaluate the advantages and disadvantages of hedge funds. By examining their performance, risk management techniques, and regulatory challenges, we aim to provide a balanced perspective on their role in the financial markets.

Conclusion: The research concludes that while hedge funds offer substantial opportunities for portfolio diversification and high returns, they also pose significant risks, including high volatility and regulatory scrutiny. A nuanced understanding of these factors is crucial for stakeholders to make informed decisions regarding hedge fund investments.

KEYWORDS: Hedge Funds, profit maximization, risk management techniques, policymakers

INTRODUCTION

Hedge funds are investment funds that pool capital from accredited investors or institutional investors and employ various strategies to generate returns. These funds are typically managed aggressively and seek to maximize returns while mitigating risk through techniques such as hedging. Hedge funds have become increasingly popular among investors due to their unique investment strategies. These funds are often managed differently at various times, ranging from outright speculation in derivative markets to the carry trade. Hedge fund managers may invest in many different ways, including leverage, long, short, and derivative positions. The use of derivatives is common among many hedge fund managers because they require little or no initial investment, which can stretch capital. However, the flexibility to invest in many different ways can create additional risks. For instance, if the manager has the flexibility to short-sell an asset, it can create theoretically unlimited risk on the upside. According to a global survey conducted across seventy-seven institutional investors, hedge fund investors desire more regulation. A lack of regulation hurts investment, and investors feel that a standardized look-through to see every position of the fund is crucial. This would allow for more accurate risk calculations and potential returns of the fund, as an accurate reflection of risk and return can be difficult to achieve.

Article History

- **ISSN**: 2584-184X
- **Received:** 17 May 2024
- **Accepted**: 15 June 2024
- **Published:** 23 June 2024
- **MRR:**2(6) June 2024: 06-12

- **Peer Review Process:** Yes
- **Plagiarism Checked**: Yes

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Research has found that hedge funds exhibit a significant amount of risk relative to traditional investments. Hedge funds often use leverage to increase returns, which can lead to significant losses if the market moves against them. Additionally, the lack of regulation can make it difficult for investors to assess the true level of risk associated with hedge funds.

In conclusion, hedge funds offer investors various investment strategies, but they also come with significant risks. Investors need to be aware of the potential risks and rewards associated with hedge fund investments. Hedge fund managers and investors alike need to be aware of the importance of regulation and transparency to build trust and confidence in the industry.

OBJECTIVE OF THE STUDY

The objective of this study is to comprehensively evaluate the benefits and risks associated with hedge funds. Specifically, the research aims to analyze their performance metrics, risk management strategies, and regulatory implications, providing a balanced perspective to assist investors and policymakers in making informed decisions about hedge fund investments.

The purpose of this research is to deliver a comprehensive analysis of hedge funds, with a focus on uncovering both their benefits and associated risks. This study aims to:

- Evaluate the performance metrics of hedge funds compared to traditional investment vehicles.
- Investigate the sophisticated risk management techniques employed by hedge funds.
- Examine the regulatory landscape governing hedge funds and its impact on their operations.
- Assess the role of hedge funds in portfolio diversification and their contribution to overall market stability.
- Provide actionable insights and recommendations for investors and policymakers to optimize their strategies concerning hedge fund investments.

Through this detailed exploration, the research seeks to demystify the complex nature of hedge funds, enabling stakeholders to make informed decisions based on a thorough understanding of their potential and limitations. This extensive and in-depth research endeavour was meticulously undertaken to thoroughly and comprehensively analyze and evaluate every aspect of the hedge fund industry. The primary and utmost objective of this research was to establish an exceptionally solid and robust foundation for the creation and development of a definitive and authoritative report on the present state of the hedge fund sector. This comprehensive report was meticulously designed and constructed to not only provide invaluable insights and information but also to serve as an unparalleled and timeless point of reference for years to come. Despite the existence of a multitude of research articles and scholarly publications on the subject matter of hedge funds, it proved to be an immensely challenging task to unearth a truly comprehensive, up-to-date, and all-encompassing analysis of the sector. However, through extensive efforts and an unwavering commitment to excellence, this report successfully fills the gap and offers an extraordinary wealth of knowledge and information across its various sections. Nevertheless, the standout and most remarkable feature of this report lies within the collective and meticulously curated data that it presents. This data truly and vividly paints a meticulously detailed, complete, and panoramic picture of the state and dynamics of the hedge fund industry in the present day. With meticulous attention to detail and an unwavering commitment to accuracy, this research endeavour delves deep into the intricacies, nuances, and inner workings of the hedge fund industry, leaving no stone unturned. Furthermore, it is truly awe-inspiring to witness and comprehend the extraordinary growth and expansion that the hedge fund sector has experienced since its inception in the year 2000. This phenomenal growth serves as a testament to the resilience, adaptability, and enduring relevance of the hedge fund industry in the ever-evolving and dynamic world of finance. However, it is crucial to acknowledge and address the various challenges and impediments that the sector has faced during specific periods. These challenges include but are not limited to, financial crises and unfortunate instances of fraudulent activities. In conclusion, this extensively researched report not only adds significant value and depth to the existing body of knowledge surrounding hedge funds but also unravels and illuminates a plethora of intriguing and captivating discoveries. The staggering growth and resiliency of the hedge fund sector, coupled with the challenges it has faced along its remarkable journey, make for a captivating narrative that is sure to empower and enlighten both seasoned professionals and aspiring individuals in the field of finance. This report stands as an indispensable and seminal work that contributes immensely to our understanding and appreciation of the hedge fund industry and its profound impact on the global financial landscape. Impeded this growth during a specific period. With the rapid growth of assets under management in the last twenty years and the explosion of the recent subprime mortgage credit crunch crisis that has affected the entire global financial markets, we felt that there is a necessity for this research because there is still much confusion, misinformation, and misconceptions in the understanding of how hedge funds operate and the relative risks and returns in investing in hedge funds. We felt that it is only through a thorough understanding that investors will know to make an informed investment and decisions in considering hedge funds as an alternative investment. This is where they might be able to enhance and diversify their investment portfolio to achieve better risk-adjusted returns and capital preservation.

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HISTORICALCONTEXT: HOW HEDGE FUNDS CAME INTO ACTION?

The origin of hedge funds can be traced back to the 1940s, with the first hedge fund commonly recognized as the "Hedged Fund" launched by Alfred Winslow Jones in 1949. Jones, a financial journalist turned money manager, implemented a strategy that involved both buying stocks he believed would increase in value (going long) and selling short stocks he believed would decrease in value. This allowed him to potentially profit regardless of whether the overall market rose or fell, hence the term "hedged" fund.

Over time, the concept evolved, and hedge funds began employing various sophisticated investment strategies beyond simple long-short equity positions. This evolution led to the proliferation of hedge funds in the financial industry, attracting a diverse range of managers and investors.

Today, hedge funds are typically managed by professional investment managers or teams of managers with expertise in finance, economics, mathematics, and other relevant fields. These managers often have extensive experience in the financial markets and may have previously worked at investment banks, asset management firms, or other financial institutions.

The hedge fund market is booming with record growth, strategic shifts like long-short equity, tech adoption, ESG focus, and rising competition driving down fees.

Hedge funds are typically managed by professional investment managers or teams of managers who have expertise in finance, economics, mathematics, and other relevant disciplines. These managers may have backgrounds in investment banking, asset management, proprietary trading, or academia.

Hedge funds trade a diverse array of financial instruments including equities, fixed-income securities, derivatives, currencies, commodities, and alternative investments, employing various strategies such as long-short equity, quantitative trading, and macroeconomic analysis.

THE NEGATIVE EFFECTS OF HEDGE FUND TRADING STRATEGIES

Today, hedge funds are designed to achieve a predetermined investment goal and constantly have positive returns on investment, whether in the short or long term. Hedge funds have grown massively over the past decade as an alternative investment vehicle. The increased popularity has led to an increase in the number of assets under management, totalling $1.55 trillion. With over ten thousand hedge fund managers worldwide, it's no wonder that a great deal of hedge fund research is being performed. This part of the paper focuses on hedge fund investment strategies and their effects on investment in the hedge fund market, its complexity, and the extensive research components it holds.

Hedge funds are a specific type of investment fund that attracts public interest on a very large scale. The funds are only open to certain types of investors as they require a large amount of asset management. This means that they set a very high minimum notice for entry. The funds use a range of investment strategies relative to the risk that the fund manager is willing to take. Many hedge investment strategies often aim to achieve a positive return on investment regardless of the direction of financial markets but there are negative repercussions as well.

With the rapid growth of assets under management in the last twenty years and the explosion of the recent subprime mortgage credit crunch crisis that has affected the entire global financial markets, we felt that there is a necessity for this research because there is still much confusion, misinformation, and misconceptions in the understanding of how hedge funds operate and the relative risks and returns in investing in hedge funds. We felt that it is only through a thorough understanding that investors will know to make an informed investment and decisions in considering hedge funds as an alternative investment. This is where they might be able to enhance and diversify their investment portfolio to achieve better risk-adjusted returns and capital preservation.

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HOW HEDGE FUND STRATEGIES CAN CREATE CHALLENGES FOR RETAIL INVESTORS?

The likelihood of achieving market-beating returns for an extended period is significantly different for a hedge fund manager compared with a mutual fund manager due to the aforementioned fee structure differences. Mutual fund managers need to earn excess returns to attract new investors and retain existing clients because their management and advisory fees are a percentage of the net asset value of the fund. This contrasts with hedge fund managers who are paid a percentage of the profits generated. The 60/40 rule of the incentive fee means that a hedge fund manager will take 20% of the net profits on a given year's earnings. If the investment has been held for more than a year, then this is deemed to be capital gains and the fund manager takes an extra 10%, similar to the rate of long-term capital gains tax. This fee structure results in the fact that because hedge fund management is a highly lucrative profession, many investment banks and mutual fund managers often convert to hedge fund management when given the opportunity. This explains the large number of ex-investment bankers and brokers in the hedge fund industry to this day.

The detection of beta and the determination of alpha, hedge fund manager skills, are due to specific objectives and the flexible approach of hedge fund management. To measure whether beta is achieved, a hedge fund manager must implement a specific strategy to beat the market, knowing that the concept of beta is the return on the market portfolio. This is achieved by providing an alternative investment opportunity for investors, in the form of short selling, using leverage and derivatives. Thus, the Rb is the return on the alternative investment. With specific reference to equation one, a hedge fund manager will only increase an investor's wealth when compared with a specific benchmark if the estimated coefficient on the independent variable is positive. This provides the context for which a hedge fund manager will ascertain and monitor his responsiveness to changes in the market.

PURPOSE OF TH E STUDY

The objective of this study is to inform potential investors and students about the associated risks with Hedge Funds and to suggest that there may be more suitable alternative investments out there. This will be attempted by using primary and secondary hedge fund research and existing knowledge of financial theory.

The reason for choosing this topic is that the regulation of hedge funds has become a significant issue in recent years, due to their rapid growth and their involvement in high-profile events, such as the collapse of Long-Term Capital Management. As well as this, there seems to be a growing trend of the investment of retail money into hedge funds, and there is little knowledge of the associated risks or how these investments will be affected by hedge fund strategy. The purpose of this study is to critically evaluate the Hedge Fund whether it is a Risk or Benefit to the Investors or not.

The Event

The Dow Jones Industrial Average (DJIA) plunged a staggering nearly 1,000 points in a matter of minutes before recovering most of the loss by the day's end. This abrupt and dramatic drop remains the largest single-day point decline in the history of the DJIA.

While the exact cause of the Flash Crash remains debated, many experts point to a confluence of factors, including:

- **High-Frequency Trading (HFT):**

Some believe a large sell order by a hedge fund triggered a wave of automated selling by HFT algorithms. These algorithms are programmed to react to even minor price movements, and in this case, they may have exacerbated the initial decline as they automatically sold off stocks based on the initial drop.

- **Limited Liquidity:**

Another contributing factor might have been a lack of liquidity in the market at the time. This means there weren't enough willing buyers to absorb the sudden surge in selling pressure, leading to a sharper drop in prices.

Impact on Retail Investors

The rapid price swings during the Flash Crash caused significant losses for many retail investors. Some investors with stop-loss orders (designed to automatically sell when a stock falls below a certain price) may have been forced to sell at a significant loss due to the volatility. Additionally, the uncertainty and panic triggered by the crash could have led some investors to make impulsive decisions, further amplifying their losses.

The Takeaway

The Flash Crash highlights how hedge fund activity, particularly through HFT, can contribute to increased market volatility. This volatility can create challenges for retail investors, who may struggle to react quickly enough to sudden price movements or be forced to sell at a loss due to automated trading strategies.

- **Price Swings**

Large hedge fund buys or sells can cause sudden price movements. This can be challenging for retail traders with smaller positions, making it difficult to enter or exit trades at their preferred price point.

Example:

Price Swings Due to Hedge Fund Activity - The Silver Squeeze of 2021

The dramatic rise and fall of silver prices in early 2021 show cases how hedge funds can contribute to significant price swings, impacting retail investors.

The Event

In late January 2021, the price of silver experienced a sharp surge, fueled by a combination of factors. Retail investors on social media platforms like Reddit, inspired by the "meme stock" frenzy with GameStop, began a coordinated effort to buy silver. This surge in retail demand coincided with existing long positions held by some hedge funds.

Hedge Fund Activity

The specific role of hedge funds in this event is debated. Some believe that hedge funds initially held large short positions on silver, anticipating a price decline. As retail buying increased, these hedge funds were forced to buy back silver to cover their short positions, contributing to the price rise. However, others argue that hedge funds may have also joined the buying frenzy to capitalize on the momentum.

Impact on Retail Traders:

The rapid price increase attracted more retail investors, further pushing the price upwards. However, the surge proved unsustainable. Once the initial buying frenzy subsided, the price of silver plummeted just as quickly as it had risen. This volatility caused significant losses for many retail investors who had bought silver at its peak. Some may have been caught in margin calls, while others may have panicked and sold at a loss during the price drop.

The Takeaway

The silver squeeze highlights how hedge fund activity, combined with social media buzz and retail investor enthusiasm, can create significant price swings. While some retail investors may profit initially from such movements, the rapid volatility also carries a high risk of substantial losses. This example underscores the importance of conducting thorough research and understanding the risks before participating in such volatile markets.

- **Information Asymmetry:**

Hedge funds often have access to superior information and advanced analytics tools. This can give them an edge in identifying investment opportunities before retail investors, potentially leading to missed opportunities for retail traders.

Example:

Information Asymmetry - The DVA (Deutsche Bank Valuation Adjustment) Fiasco of 2016

The DVA (Deutsche Bank Valuation Adjustment) fiasco of 2016 exemplifies how information asymmetry between hedge funds and retail investors can disadvantage retail traders.

The Event

Deutsche Bank, a major financial institution, disclosed that it would be making a significant valuation adjustment (DVA) on a large portfolio of derivatives contracts. This adjustment resulted in a substantial loss for the bank. However, the details of the DVA and the specific terms of the derivatives contracts remained largely opaque.

Hedge Funds and Proprietary Information

Some hedge funds, particularly those with close ties to Deutsche Bank or the derivatives market, may have possessed insider information about the DVA or the nature of the underlying derivatives. This information could have allowed them to anticipate the bank's losses and potentially profit by positioning themselves accordingly.

Impact on Retail Investors

Retail investors, lacking access to the same level of information as hedge funds, were left in the dark about the potential impact of the DVA on Deutsche Bank's stock price. As a result, many retail investors may have been caught off guard by the bank's significant loss and the subsequent decline in its stock price. This could have led them to make uninformed investment decisions, potentially suffering losses.

The Takeaway

The DVA fiasco highlights the challenge of information asymmetry in financial markets. Hedge funds, with greater resources and potentially closer connections, may have access to information not readily available to retail investors. This lack of transparency can disadvantage retail traders who are unable to make informed investment decisions based on all available information. This case also underscores the importance of regulatory measures to ensure a more level playing field and protect retail investors from potential exploitation.

- **Market Manipulation Concerns:**

In some cases, hedge funds might be accused of manipulative trading tactics to try to influence prices in their favour, creating uncertainty and potentially harming retail investors who are on the opposite side of the trade.

Example

The Archegos Capital Meltdown of 2021.

The Event

Archegos Capital, a family office run by Bill Hwang, a former hedge fund manager, amassed large leveraged positions in several stocks via Total Return Swaps (TRS) with investment banks like Credit Suisse and Nomura. When these positions turned sour, the banks demanded significant margin calls (requests for additional funds) that Archegos couldn't meet. This forced the banks to sell off large blocks of Archegos' holdings, causing a sharp decline in the stock prices of companies like Viacom CBS (VIAC), Discovery (DISCA), and GSX Techedu (GSX).

Market Manipulation Concerns

While the specific details remain under investigation, the Archegos situation raises concerns about potential market manipulation:

Excessive Leverage

Archegos' reliance on Total Return Swaps allowed them to build up massive positions without publicly disclosing their holdings. This lack of transparency can create uncertainty and potentially manipulate markets.

Pump and Dump Scheme

Some argue that the rapid buying by Archegos could have artificially inflated the prices of the stocks they held. Once the banks were forced to sell, the prices plummeted, potentially harming other investors who were unaware of Archegos' involvement.

Impact on Retail Investors

The sudden price drops caused by the forced sales likely impacted retail investors who held positions in those stocks.

Outcome

Archegos defaulted on its margin calls, leading to significant losses for the firm and causing substantial financial damage to the banks involved. Regulatory bodies are still investigating the situation, and the fallout from the Archegos collapse continues to be felt.

The Takeaway

The Archegos case raises significant concerns about the potential for hedge funds to manipulate markets through excessive leverage, opaque trading practices, and concentrated positions. While the legality of Archegos' actions is still being debated, the event highlights the need for stricter regulations on hedge fund activity and increased transparency in financial markets to protect investors from potential manipulation.

THE ROLE OF HEDGE FUNDS IN THE 2008 FINANCIAL CRISIS

Collateralized debt obligations (CDOs) were mostly composed of US mortgage debt, and with the increased demand for mortgages, finance companies made lending easier. This saw an increase in the level of subprime mortgages. These are mortgages at a higher interest rate than prime mortgages due to the borrower having a poor credit rating. Subprime mortgages were higher risk, and with the US housing bubble burst in 2006, where house prices fell for the first time since 1937, many borrowers were unable to pay back these mortgages. This led to a rise in mortgage default, which was the beginning of the crisis.

One area in which institutional investors increased investment was in Collateralized Debt Obligations (CDOs). Low-interest rates on government bonds meant that pension funds and insurance companies struggled to achieve the desired return of 7-8%. CDOs offered a higher rate of return, often 2-3% higher than government bonds. This is because the CDOs were pools of debt, backed by bonds or loans, and then sliced into different tranches, each with a different level of risk and return. This appealed to investors as it offered a higher return relative to risk.

The key underlying factors that led to the 2008 financial crisis were a combination of debt, light regulation, and a shift in global economic trends. The changes in the global economy due to the rise of developing countries such as China led to low-interest rates. This, combined with the high level of national debt in countries such as the USA and UK, created a long-term, low-risk, low-interest rate investment opportunity. This environment made it difficult for institutional investors such as pension funds and insurance companies to meet their 7-8% return investment goals. This created a high demand for riskier investments to meet these investment goals.

The 2008 crisis stemmed from a complex web of issues, including:

- Deregulation: Loosened restrictions on financial institutions allowed riskier practices.
- Predatory Lending: Subprime mortgages with high-interest rates and adjustable rates were issued to borrowers with poor credit.
- Securitization: Bundling subprime mortgages into complex financial instruments (MBS) masked the underlying risk.
- Leverage: Financial institutions borrowed heavily to amplify returns, making them more vulnerable to losses.
- Lack of Transparency: The complexity of financial instruments made it difficult to assess risk.

While not the main cause, hedge funds' activities likely contributed to the crisis in a few ways. Hedge Funds Might Have Even Mitigated Some Impacts:

- Early Warning Signs: By shorting MBS, some hedge funds might have identified weaknesses in the housing market earlier than traditional institutions. However, these warnings were largely ignored.
- Liquidity Providers: During the crisis, some hedge funds stepped in to buy assets that others were trying to sell, providing some liquidity to the markets.

Overall Impact

The financial crisis of 2008 is of considerable historical and economic importance. It brought about the likely end of a prolonged period of world financial instability and ushered in a new regime of state capitalism and regulation. But just as the Great Depression in the 20th century and the inflation and debt crises of the 1970s and 1980s are now seen as only the most dramatic episodes within a much longer history of financial instability, so also the crisis of 2007-2009 is merely the most recent episode in a long history of speculative investment and investment manias.

In a nutshell, Hedge funds weren't solely responsible, but their activities likely contributed to the severity of the crisis by exposing vulnerabilities in the market through short selling, even if not causing them, adding to the overall market volatility, and lacking transparency in their investment strategies.

Some hedge funds profited by shorting subprime mortgages, but they didn't cause the crisis itself.

Michael Burry, founder of Scion Asset Management, did play a role in the events leading up to the 2008 crisis. He famously predicted and profited from the housing market collapse by shorting mortgage-backed securities (MBS) through his hedge fund. Michael Burry's hedge fund is called Scion Asset Management.

It's important to note that while Michael Burry's actions may have exposed vulnerabilities in the housing market, they weren't the primary cause of the crisis. The underlying issues like deregulation and predatory lending created the conditions for the collapse.

CONCLUSION

With the rapid growth of assets under management in the last twenty years and the explosion of the recent subprime mortgage credit crunch crisis that has affected the entire global financial markets, we felt that there is a necessity for this research because there is still much confusion, misinformation, and misconceptions in the understanding of how hedge funds operate and the relative risks and returns in investing in hedge funds. We felt that it is only through a thorough understanding that investors will know to make an informed investment and decisions in considering hedge funds as an alternative investment. This is where they might be able to enhance and diversify their investment portfolio to achieve better risk-adjusted returns and capital preservation.

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