

## The Impact of Investor Psychology on Market Movements in Behavioral Finance

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### ABSTRACT

*This study examines, via the prism of behavioral finance, how investor psychology affects market movements. Although empirical evidence increasingly emphasizes the impact of cognitive biases and emotional aspects on financial decision-making, traditional financial theories, such as the Efficient Market Hypothesis, presume rational investor behavior. With the use of ideas from psychology, cognitive science, and sociology, behavioral finance explains how market oddities like bubbles, crashes, and mispricing are caused by heuristics, prospect theory, overconfidence, herding, and other biases. In addition to discussing important cognitive biases like overconfidence, loss aversion, swarming behavior, confirmation bias, and home bias, the paper first looks at the theoretical underpinnings of behavioral finance, specifically prospect theory. It demonstrates how these biases cause systematic departures in market behavior by upsetting logical investing patterns. The study assesses academic studies on market dynamics and investor psychology using a qualitative literature screening method. Results indicate that psychological biases increase systemic risk by influencing individual decision-making as well as by collectively producing extensive market phenomena. Investors, legislators, and financial institutions seeking to enhance decision-making procedures and market stability must be aware of these trends. Understanding behavioral finance is crucial for developing robust investment strategies and avoiding the traps of excessive exuberance and panic as financial markets become more complicated.*

**Keywords:** Investor Psychology, Cognitive Biases, Overconfidence Bias, Loss Aversion, Confirmation Bias, Market Anomalies.

### Introduction

Economic data and rudimentary company analysis alone cannot adequately explain the intricate structure of financial market swings. The shortcomings of conventional financial theories were exposed by the regular observation of circumstances in which investors do not act rationally during decision-making processes. The foundation of these theories was the idea that market participants give everyone access to information, operate rationally, and aim to maximize their earnings (Fama, 1970). Nonetheless, studies carried out since the 1980s have demonstrated that investors frequently behave with cognitive, emotional, and intuitive biases, and that these biases cause persistent market aberrations (Kahneman & Tversky, 1979; Shefrin, 2000).

A branch of financial economics known as "behavioral finance" combines ideas from cognitive science, psychology, and sociology to explain why investor behavior and market results are unusual. Behavioral finance contends that investors' financial decisions are influenced by biases, emotions, and cognitive limitations, in contrast to traditional finance's premise that people are rational actors looking to maximize utility (Kikkawa K, Xing Y, 2014). Heuristics, prospect theory, framing effects, and overconfidence are some of the ideas that form the basis of behavioral finance and all lead to departures from logical decision-making. Mispricing, bubbles, herding behavior, and excessive volatility can result from these abnormalities (Md R, Tanvir Rahman A, 2019). Additionally, behavioral finance offers a framework for comprehending the psychological foundations of market dynamics, such as how social influences, narratives, and emotions impact investing strategies.

The discipline has changed over the last 20 years from a specialized area of scholarly study to a useful toolset that is frequently utilized by fund managers, financial analysts, and policymakers. It makes it possible to comprehend real-world occurrences like investor lethargy, irrational exuberance, and market crashes on a deeper level. Behavioral finance provides vital insights for analyzing both individual and group financial behavior as financial markets grow more intricate and linked.

Economic crises, speculative bubbles, and abrupt market crashes in recent years have all highlighted the significant influence of irrational factors in investment choices. It is shown that psychological biases occasionally affect even experienced portfolio managers, particularly when combined with individual investors. Financial market predictability, inaccurate pricing, and elevated systemic risks could result from this (Shiller, 2015).

This paper attempts to discuss how investor psychology affects market movements using behavioral finance theory as a framework. The study will first look at the theoretical underpinnings of behavioral finance before going into detail on the role that investors' emotional and cognitive biases have in their decision-making. Lastly, an analysis of the practical application of behavioral finance and the tangible manifestations of these biases in financial markets will be conducted. In this way, a more comprehensive approach is taken to assess the investment behaviors in both academic and practical perspectives.

### **Theoretical Foundations of Behavioral Finance**

The multidisciplinary field of behavioral finance is predicated on the notion that people deviate from rationality while making investment decisions, and that these deviances have an impact on market outcomes. Conventional financial theories, including the efficient market hypothesis (EMH), investors, rational knowledge, prices that always represent reality, and a self-balancing market (Fama, 1970). Even while this theoretical framework provided a powerful model for understanding investor behavior, numerous financial crises, bubbles, and abrupt collapses showed that this strategy was insufficient (Shiller, 2015).

By offering a different perspective from conventional assumptions, behavioral finance now incorporates psychological ideas into financial procedures. Specifically, the expectancy theory (Prospect Theory) developed by Daniel Kahneman and Amos Tversky explains how people assess risk perceptions, profits, and losses as well as how they display systematic biases while making decisions (Kahneman & Tversky, 1979). This theory holds that investors make irrational choices to reduce the chance of loss and concentrate more on losses than profits.

The theoretical underpinnings of behavioral finance extend beyond cognitive psychology to encompass socio-psychological influences and emotional aspects. Investors frequently exhibit certain cognitive biases when making decisions, including overconfidence, the framing effect, representativeness, anchoring, and herd behavior. These biases lead investors to interpret information subjectively and engage in irrational pricing activities (Barberis & Thaler, 2003).

Neurofinance research, emerging in the 2000s, has reinforced the foundational concepts of behavioral finance. These investigations utilized brain imaging methods to reveal the emotional and cognitive areas involved in investment decision-making, thereby prompting a biological critique of the rational investor model (Lo, 2005).

According to behavioral finance, investor actions have an impact on markets both individually and collectively; irrational pricing, market oddities, balloons, and collapses provide a solid framework. This method enables more comprehensive analysis of investors' decision-making processes and the development of more useful models at the scholarly and applied levels.

### **Psychological Aspects of Investors and Cognitive Trends**

One of the primary tenets of behavioral finance is that investors frequently let their emotions and cognitive biases guide their decision-making. These biases lead to unreasonable changes in market pricing and systematic variations in investing choices. The most prevalent cognitive tendencies are explained in this section.

Unrealistic faith in investors' own expertise, aptitudes, and forecasting abilities is known as excessive trust (overconfidence bias). People who are extremely sure think they can accurately foresee market trends and typically complete more transactions (Barber & Odean, 2001). Because investors take needless risks, portfolio performance typically suffers as a result. For instance, many private investors made significant investments during the 1999–2000 DOT-COM bubble, assuming that the stocks of

technological companies would continue to grow. The balloon swelled due to overconfidence, and investors lost a lot of money when it burst.

Prospect Theory states that people experience loss aversion more strongly than they do earnings of the same magnitude (Kahneman & Tversky, 1979). As a result, investors are reluctant to liquidate their harmed positions since they do not wish to "realize" their losses. For instance, an investor will take the damage with sales and does not want to sell a stock that is causing him harm. This conduct may open the door to more serious harm.

Herd behavior is when investors mimic other people's actions instead of using their own judgment. One of the main causes of market bubbles and busts is herd behavior (BANENER, 1992). For instance, people in the US bought expensive housing before the 2008 mortgage crisis because they thought that prices would keep rising. Prices artificially increased as a result of this behavior reaching mass, and the crash followed.

Confirmation bias refers to the propensity to value additional knowledge and to look for evidence that confirms people's prevailing opinions. On the other hand, they disregard or undervalue information that challenges their opinions. Investors are prevented from doing unbiased analysis by their propensity for approbation, which can result in erroneous investments and price bubbles. This propensity leads investors to generate information cycles that reinforce one another, particularly in social media and financial forums. For instance, an investor who thinks that a company's stock would increase will only read the news that confirms this opinion and pay attention to the analysis. It disregards the company's dangers and unfavorable developments, nevertheless. The investor may decide in this situation without considering the fundamentals of the market. For instance, investors who strongly support businesses like Tesla might overlook the risks associated with the company's price.

Optimism/Host Prejudice (Home Bias): Investors typically put their money into domestic businesses or markets they are familiar with rather than foreign or unrelated industries. This conduct can restrict the portfolio's ability to diversify. Market imbalance and a lack of diversification are caused by home bias. Because local investors do not sufficiently diversify risks, the nation's economies grow increasingly vulnerable to catastrophes. For instance, a Turkish investor only makes investments in local businesses in Borsa Istanbul rather than in tech giants that are listed on international markets. A more risky and constrained portfolio structure is the result of the investor's ignorance and cultural proximity.

### **Literature Review**

Investor choices are often influenced by emotional and cognitive biases that diverge from sound reasoning. Overconfidence, which causes people to overestimate their knowledge, predicting skills, or control over results, is one of the most common. Investors that are overconfident frequently trade excessively, undervalue risk, and disregard contradicting evidence, which results in worse than ideal portfolio performance (Mulili BM,2020)

Another fundamental bias that stems from prospect theory is loss aversion. It implies that people experience the anguish of losses more keenly than they do the joy of comparable gains. The disposition effect is a phenomena that can lead to actions like holding onto losing stocks for an extended period of time or selling winning equities too soon in order to "lock in" gains (Lal T,2018).

When investors place an excessive amount of weight on early bits of information—like past stock prices or arbitrary benchmarks—even when they are no longer relevant, this is known as anchoring. For example, despite shifts in the fundamentals, an investor may become fixated on a stock's previous high and refuse to sell below that price (Hendriks S,2019). This may skew value and postpone essential portfolio modifications. These prejudices frequently interact and support one another; they are not isolated. For instance, mental accounting may be impacted by loss aversion, whereas overconfidence may strengthen anchoring. Both individual investors and financial advisors looking to reduce irrational behavior and encourage disciplined investment methods must be aware of these trends. Therefore, behavioral finance offers a methodical framework for recognizing, evaluating, and combating the psychological inclinations that frequently thwart sound investment choices, particularly in erratic markets.

Decisions on investments are always made in an uncertain environment. Alternative frameworks are required in these situations since conventional utility-based models are unable to adequately represent the complexity of human behavior. Prospect theory, which was created by Daniel Kahneman and Amos Tversky, is among the most significant models in behavioral finance. Prospect theory proposes that people assess benefits and losses in relation to a reference point rather than in absolute terms, in contrast to expected utility theory (Tran HT, Le HT,2021).

Additionally, risk preferences vary depending on the situation. Behavioral studies demonstrate that risk preferences are dynamic and context-dependent, in contrast to classical finance's assumption of constant risk aversion. In times of economic stability, an investor may be risk-averse, but in times of crisis or FOMO, they may become risk-seeking. These changes are brought about by mood, social cues, and recent events; this is known as recency bias (Adegbesan, B.O., Ogunlabi, O.O., Olawale, O.O., Edema, A.A., Onasanya, O.O, 2020).

Overreaction, which happens when investors react disproportionately to new information and cause exaggerated price fluctuations, is one of the most enduring behavioral patterns seen during market turbulence. Overreaction in bull markets frequently takes the form of irrational enthusiasm, which pushes prices much above their fundamental levels. Due to their recent profits, investors may mistakenly believe that any positive signal confirms rising trends, which can lead to asset bubbles and momentum trading (Lal T, 2018).

### Methodology

One of the qualitative research techniques used in this study was the literature screening (compilation) method. The goal of the literature screening method is to methodically review and evaluate what is currently known about a certain topic (Yıldırım & Şimşek, 2016). In this regard, the effects of investor psychology on market movements were thoroughly assessed, and the theoretical and empirical studies carried out in the subject of behavioral finance were filtered. Academic books, articles, theses, and conference papers published in both domestic and foreign peer-reviewed publications were reviewed during the data collection procedure. The publications in the topic are particularly the focus of the Journal of Economic Psychology, the Journal of Behavioral Finance, and the Journal of Finance.

### Conclusion

Conventional economic models that presume investor rationality fall short in explaining the complex behavior of financial markets. By incorporating psychological, cognitive, and emotional factors into financial decision-making, behavioral finance provides a more grounded framework. The literature repeatedly demonstrates that investors are impacted by biases that cumulatively affect market efficiency, including confirmation bias, herding, anchoring, loss aversion, and overconfidence. In addition to influencing individual investing choices, these cognitive inclinations also contribute to widespread market events including bubbles, collapses, and excessive volatility.

Prospect Theory's theoretical underpinnings and later developments in neurofinance emphasize how context-dependent and emotionally motivated investors' responses to gains and losses are. Home bias and recency bias are two psychological flaws that make investing even more difficult and frequently result in systemic risks and less-than-ideal portfolio management. Recent financial catastrophes, including the 2008 mortgage debacle and the dot-com bubble, clearly illustrate the negative effects of irrational investment behavior.

To sum up, behavioral finance offers a more comprehensive understanding of financial behavior by shedding light on the irrational forces that shape market dynamics. A more robust financial system and better investment choices can result from identifying and reducing psychological biases. In order to better understand how emotions and cognition influence the financial landscape, future study should keep examining behavioral patterns in various market scenarios.

### References

1. Fama, E. F. (1970). Efficient capital markets. *Journal of finance*, 25(2), 383-417.
2. Kahneman, D., & Tversky, A. (2013). Prospect theory: An analysis of decision under risk. In *Handbook of the fundamentals of financial decision making: Part I* (pp.99-127).
3. Shefrin, H. (2002). Beyond greed and fear: Understanding behavioral finance and the psychology of *investing*. Oxford University Press.
4. Kikkawa K, Xing Y. Financial inclusion in Indonesia: a poverty alleviation strategy. *Financial Inclusion in Asia*. 2014:45.
5. Md R, Tanvir Rahman A. The Effects of Financial Inclusion Initiatives on Economic Development in Underserved Communities. *American Journal of Economics and Business Management*. 2019;2(4):191- 8.
6. Shiller, R. J. (2015). *Irrational exuberance: Revised and expanded third edition*.

7. Barberis, N., & Thaler, R. (2003). A survey of behavioral finance. *Handbook of the Economics of Finance*, 1, 1053-1128.
8. Lo, A. W. (2005). Reconciling efficient markets with behavioral finance: the adaptive markets hypothesis. *Journal of investment consulting*, 7(2), 21-44.
9. Mulili BM. Financial inclusion as a tool for women's economic empowerment in Africa: Achieving UN's 2030 SDG. *Empowering African Women for Sustainable Development: Toward Achieving the United Nations' 2030 Goals*. 2020:133-43.
10. Lal T. Impact of financial inclusion on poverty alleviation through cooperative banks. *International Journal of Social Economics*. 2018 May 14;45(5):808-28.
11. Hendriks S. The role of financial inclusion in driving women's economic empowerment. *Development in Practice*. 2019 Nov 17;29(8):1029-38.
12. Tran HT, Le HT. The impact of financial inclusion on poverty reduction. *Asian Journal of Law and Economics*. 2021 Apr 21;12(1):95-119.
13. Adegbesan, B.O., Ogunlabi, O.O., Olawale, O.O., Edema, A.A., Onasanya, O.O. (2020) Oral Cellgevity improves antioxidant parameters and stalls damages in STZ-diabetic rat pancreas. *FUW Trends in Science & Technology Journal*, [www.ftstjournal.com](http://www.ftstjournal.com) e-ISSN: 24085162; p-ISSN: 204851706(1): 127-131.
14. Barber, B. M., & Odean, T. (2000). Trading is hazardous to your wealth: The common stock investment performance of individual investors. *The journal of Finance*, 55(2), 773-806.
15. Kahneman, D., & Tversky, A. (2013). Prospect theory: An analysis of decision under risk. In *Handbook of the fundamentals of financial decision making: Part I* (pp. 99-127).

