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# Behavioral Finance and Investment Decisions: Understanding Investor Behavior in Modern Financial Markets

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## ABSTRACT

Behavioral finance examines how psychological and emotional factors influence investment decisions beyond traditional assumptions of rationality. This study investigates the role of behavioral finance in shaping investor behavior and financial market outcomes through a qualitative Systematic Literature Review (SLR). Relevant studies published over the last five years were collected from major academic databases and analyzed using thematic synthesis. The findings indicate that behavioral factors such as overconfidence, loss aversion, herd behavior, investor sentiment, and risk perception significantly affect investment decisions and portfolio management. These psychological biases influence how investors interpret financial information, assess risks, and respond to changes in financial markets. The review also reveals that collective behavioral tendencies contribute to market volatility and deviations from market efficiency. Furthermore, digital investment platforms and robo-advisory technologies are introducing new behavioral dynamics within financial markets, influencing investor behavior and investment decisions in increasingly digital financial environments. The study concludes that behavioral finance provides valuable insights for understanding investor behavior, psychological bias, investment decisions, and financial market dynamics, while also supporting improved portfolio management and more informed financial decision-making in modern financial environments.

***Keywords:*** *Behavioral Finance, Financial Markets, Investment Decisions, Investor Behavior, Portfolio Management.*

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## 1. | INTRODUCTION

Financial markets are often portrayed as environments in which investors make rational decisions based on available information and objective assessments of risk and return. Traditional financial theories, particularly the Efficient Market Hypothesis (EMH), assume that investors process information logically and consistently, leading markets to reflect all available information in asset prices. Under this perspective, investment decisions are expected to be guided primarily by economic fundamentals and rational expectations. However, growing evidence suggests that investors frequently deviate from rational behavior due to psychological, emotional, and cognitive influences that affect their judgment and decision-making processes.

The emergence of behavioral finance has challenged many of the assumptions underlying traditional financial theories. Behavioral finance combines insights from psychology, economics, and finance to explain how human behavior influences financial decisions and market outcomes. Unlike conventional theories that assume fully rational investors, behavioral finance recognizes that individuals often rely on heuristics, emotions, and subjective perceptions when making investment choices. Madaan and Singh (2019) argue that behavioral biases play a significant role in shaping investment decisions and may lead investors to make suboptimal financial choices. Similarly, Sattar et al. (2020) emphasize that psychological factors frequently influence investment behavior beyond purely rational considerations.

Investor behavior has become an increasingly important area of study because individual and institutional investment decisions collectively influence financial market performance. Decisions regarding asset allocation, portfolio selection, risk management, and trading activities are often affected by psychological tendencies that shape how investors interpret information and evaluate opportunities. Almansour et al. (2023) demonstrate that behavioral finance factors significantly influence investment decisions through their effects on risk perception. Likewise, Kartini and Nahda (2021) report that behavioral biases affect investment decision-making among investors by altering perceptions of risk and expected returns. These findings suggest that understanding investor behavior is essential for explaining real-world financial decision-making processes.

Among the most frequently studied behavioral influences are cognitive biases, which represent systematic patterns of deviation from rational judgment. Investors often rely on mental shortcuts when processing complex financial information, leading to biased assessments and decision errors. Overconfidence bias, for example, causes investors to overestimate their knowledge, predictive abilities, or investment skills. Ahmad and Shah (2022) argue that overconfidence can significantly influence investment performance by affecting risk perception and decision-making quality. Similarly, Ul Abdin et al. (2022) identify overconfidence as an important factor influencing investor behavior and portfolio outcomes. These findings indicate that

cognitive biases can substantially affect investment performance and financial outcomes.

Loss aversion represents another important concept within behavioral finance. According to behavioral theories, individuals tend to experience losses more intensely than gains of equivalent magnitude, leading them to make decisions that prioritize loss avoidance rather than optimal financial outcomes. Bouteska and Regaieg (2020) report that loss aversion influences investor behavior and contributes to market performance fluctuations. Likewise, Dita et al. (2023) identify loss aversion as a significant determinant of investment decision-making behavior. Such findings suggest that emotional responses to gains and losses play an important role in shaping investment choices.

Herd behavior is another phenomenon frequently observed in financial markets. Rather than relying exclusively on independent analysis, investors may imitate the actions of other market participants, particularly during periods of uncertainty. Herding behavior can contribute to asset price bubbles, market volatility, and inefficient market outcomes. Gupta and Shrivastava (2022) demonstrate that herding behavior influences investment decisions through psychological mechanisms such as fear of missing out. Similarly, Ahmad and Wu (2022) argue that herding behavior affects investment management practices and perceptions of market efficiency. These findings highlight the importance of social influences in financial decision-making.

Behavioral finance also provides important insights into the relationship between investor sentiment and market dynamics. Investor sentiment reflects collective attitudes, emotions, and expectations regarding financial markets and economic conditions. Changes in sentiment may influence trading behavior, asset prices, and market volatility even when fundamental information remains unchanged. Ángeles López-Cabarcos et al. (2020) identify investor sentiment as a central concept within behavioral finance theory. Likewise, Ding, Mazouz, and Wang (2019) demonstrate that investor sentiment significantly influences stock return patterns and market behavior. These findings suggest that market outcomes are influenced not only by objective information but also by psychological factors affecting investor expectations.

The importance of behavioral finance became particularly evident during periods of market uncertainty and crisis. Financial disruptions, economic shocks, and unexpected events often amplify emotional responses and cognitive biases among investors. Vasileiou (2022) argues that fear and uncertainty can significantly influence market behavior and challenge assumptions of market efficiency. Similarly, Malmendier et al. (2020) demonstrate that investor experiences shape future financial decisions and contribute to broader market dynamics. These findings indicate that behavioral influences become especially relevant during periods of heightened uncertainty.

Recent developments in technology have introduced additional dimensions to investor behavior. Digital investment platforms, online trading applications, social

media, and robo-advisory services have transformed how investors access information and make investment decisions. Briere (2023) argues that digitalization is significantly influencing retail investor behavior and investment decision-making processes. Likewise, Adam et al. (2019) demonstrate that robo-advisory systems can affect investor choices through recommendation design and personalization mechanisms. These developments suggest that technological innovation continues to reshape behavioral patterns within financial markets.

Although behavioral finance has generated extensive research over the past decades, existing studies remain fragmented across various behavioral biases, investor characteristics, market contexts, and technological environments. Many studies focus on individual biases or specific investment behaviors, while fewer studies provide a comprehensive synthesis of how psychological factors collectively influence investment decisions and market outcomes. Consequently, there remains a need for an integrated understanding of behavioral finance and its implications for modern financial markets.

In response to this gap, this study examines behavioral finance and investment decisions through a qualitative Systematic Literature Review (SLR). The review synthesizes contemporary literature concerning investor behavior, psychological biases, risk perception, market sentiment, portfolio management, and emerging developments in digital investing. Snyder (2019) highlights the value of systematic literature reviews for integrating fragmented knowledge and generating broader theoretical understanding.

Furthermore, Page et al. (2021) emphasize the importance of transparent review procedures through the PRISMA framework. By integrating existing evidence, this study seeks to provide a comprehensive understanding of how financial literacy contributes to improved financial outcomes, enhanced well-being, and greater economic security.

## 2. | LITERATURE REVIEW

### Behavioral Finance and Investor Decision-Making

Investment decisions have traditionally been explained through rational decision-making models that assume investors evaluate available information objectively and select alternatives that maximize expected returns. However, real-world financial decisions often deviate from these assumptions because investors are influenced by emotions, cognitive limitations, personal experiences, and subjective interpretations of information. Behavioral finance emerged to address these limitations by incorporating psychological perspectives into financial decision-making theory.

Behavioral finance explains why investors frequently make decisions that differ from predictions derived from traditional financial models. Rather than acting as fully rational agents, investors are influenced by attitudes, perceptions, emotions, and behavioral tendencies that shape their responses to financial opportunities and risks. Almansour et al. (2023) argue that behavioral factors significantly affect investment

decisions through their influence on risk perception. Similarly, Sattar et al. (2020) emphasize that behavioral biases frequently influence investor choices and contribute to variations in investment outcomes. Madaan and Singh (2019) further identify psychological influences as important determinants of financial decision-making behavior. These findings suggest that investor decisions are shaped by both financial considerations and behavioral factors.

### Psychological Biases in Investment Decisions

Psychological biases represent one of the central concepts within behavioral finance. These biases arise when individuals rely on mental shortcuts, subjective judgments, or emotional responses when processing information and making decisions. While such mechanisms may simplify complex decision environments, they can also lead to systematic errors in judgment and suboptimal investment outcomes.

Overconfidence bias is among the most widely studied behavioral biases in finance. Investors affected by overconfidence often overestimate their knowledge, forecasting abilities, or investment skills. Ahmad and Shah (2022) report that overconfidence influences investment performance by shaping risk perception and decision-making behavior. Similarly, Ul Abdin et al. (2022) demonstrate that excessive confidence may encourage investors to take greater risks and engage in more aggressive investment activities.

Loss aversion represents another important behavioral tendency. According to behavioral finance theory, investors generally experience losses more intensely than gains of equivalent value. As a result, individuals may avoid risks, delay selling losing investments, or make decisions aimed primarily at preventing losses rather than maximizing returns. Bouteska and Regaieg (2020) identify loss aversion as a significant factor influencing investor behavior and market outcomes. Likewise, Dita et al. (2023) report that loss aversion affects investment decision-making, particularly during periods of uncertainty. These findings indicate that emotional responses play an important role in shaping investment choices.

### Behavioral Finance and Market Outcomes

Behavioral finance extends beyond individual decision-making by examining how collective investor behavior influences broader market outcomes. When large numbers of investors exhibit similar psychological tendencies, market prices and trading patterns may deviate from predictions based on traditional theories of market efficiency. Consequently, behavioral finance provides important explanations for market anomalies, volatility, and fluctuations that cannot be fully explained by fundamental information alone.

One of the most frequently discussed phenomena is herd behavior, which occurs when investors imitate the actions of others rather than relying solely on independent analysis. Herding behavior can amplify market trends and contribute to excessive price movements. Ahmad and Wu (2022) demonstrate that herding behavior influences

investment management practices and perceptions of market efficiency. Similarly, Ah Mand et al. (2023) report that herding tendencies vary across different market conditions and can significantly affect investor behavior. Rahayu et al. (2021) further identify herding as a recurring pattern within financial markets. These findings suggest that social influences play an important role in shaping market outcomes.

Investor sentiment represents another important factor affecting financial markets. Sentiment reflects collective expectations, emotions, and attitudes regarding future market conditions. Ángeles López-Cabarcos et al. (2020) identify investor sentiment as a central concept within behavioral finance research. Likewise, Ding, Mazouz, and Wang (2019) demonstrate that sentiment influences stock returns and contributes to variations in market performance. These findings indicate that market dynamics are influenced not only by information and fundamentals but also by psychological perceptions and expectations.

### Behavioral Finance and Portfolio Management

Behavioral finance has important implications for portfolio management because investor behavior directly influences asset allocation decisions, risk management practices, and investment performance. Traditional portfolio theories assume that investors evaluate risk and return objectively. However, behavioral research suggests that individual perceptions of risk are often influenced by emotions, experiences, and cognitive biases.

Antony (2020) argues that behavioral finance provides valuable insights for understanding portfolio management decisions and investment behavior. Similarly, Malmendier et al. (2020) demonstrate that investor experiences influence future financial decisions and portfolio choices. Lebdaoui et al. (2021) further report that behavioral biases affect investment performance and that financial literacy may help mitigate some of these effects. These findings suggest that successful portfolio management requires consideration of both financial principles and behavioral influences.

The reviewed literature also indicates that risk perception plays a critical role in investment decision-making. Investors often interpret identical financial information differently depending on personal attitudes and behavioral characteristics. Consequently, portfolio decisions may vary considerably among individuals despite similar market conditions. This evidence highlights the importance of incorporating behavioral considerations into investment planning and financial decision-making frameworks.

### Future Directions in Behavioral Finance

Behavioral finance continues to evolve as financial markets become increasingly influenced by technological innovation and digital investment platforms. Recent developments such as online trading applications, social media investing communities, artificial intelligence, and robo-advisory services have introduced new dimensions to

investor behavior. These technologies influence how information is consumed, interpreted, and incorporated into investment decisions.

Briere (2023) argues that digitalization is reshaping retail investor behavior by altering information access and investment decision-making processes. Similarly, Adam et al. (2019) demonstrate that robo-advisory systems influence investor choices through recommendation structures and personalized investment guidance. These developments suggest that technology increasingly interacts with behavioral factors to shape financial decision-making.

The reviewed literature also indicates that future behavioral finance research may expand toward understanding investor behavior within digital environments, technology-assisted investing, and fintech-driven financial markets. As financial technologies continue to evolve, examining the interaction between psychological biases and digital investment systems may provide valuable insights into future investment behavior and market dynamics.

## 3. | RESEARCH METHOD

This study adopts a qualitative Systematic Literature Review (SLR) approach to examine the influence of behavioral finance on investment decisions and financial market behavior. The SLR method was selected because behavioral finance research encompasses a broad range of topics, including cognitive psychology, investor behavior, decision-making theory, risk perception, portfolio management, and market dynamics. The diversity of these research streams has produced extensive but fragmented knowledge regarding how behavioral factors affect financial decision-making. According to Snyder (2019), systematic literature reviews provide a rigorous approach for synthesizing dispersed findings and developing a comprehensive understanding of a research field. Similarly, Linnenluecke et al. (2020) argue that systematic review methods improve transparency and consistency in literature analysis. Therefore, the SLR approach is appropriate for integrating current evidence regarding behavioral influences on investment decisions.

Literature was collected from academic database such as google scholar. The search process employed combinations of keywords such as behavioral finance, investor behavior, investment decisions, psychological bias, overconfidence bias, loss aversion, investor sentiment, herd behavior, portfolio management, market efficiency, and digital investing. These keywords were selected to capture literature addressing behavioral influences on investment activities and financial market outcomes.

The inclusion criteria focused on peer-reviewed journal articles, conference papers, scholarly books, and academic reports published between 2019 and 2023. Eligible studies were required to discuss behavioral finance concepts, investor psychology, cognitive biases, investment decision-making, market behavior, portfolio management, or related topics. Studies focusing exclusively on corporate finance, banking operations, or financial technologies without examining investor behavior were excluded.

Similarly, research unrelated to financial decision-making or behavioral influences was omitted from the review. This screening process ensured that the selected literature remained closely aligned with the objectives of the study.

Following the selection process, the literature was analyzed using thematic synthesis to identify recurring behavioral concepts, theoretical relationships, and major findings across the selected studies. Thematic synthesis enables the integration of evidence from different contexts while revealing common patterns regarding investor behavior and financial decision-making. The reviewed studies were organized into five analytical themes: behavioral finance and investor decision-making, psychological biases in investment decisions, behavioral finance and market outcomes, behavioral finance and portfolio management, and future directions in behavioral finance. These themes represent the primary dimensions through which behavioral factors influence investment activities and financial market performance.

The analytical framework adopted in this study views investment decision-making as a process influenced not only by financial information and economic considerations but also by psychological and behavioral factors. Particular attention is given to the effects of cognitive biases, emotional responses, investor sentiment, risk perception, and social influences on financial choices. The framework also considers emerging developments associated with digital investing, fintech platforms, and technology-assisted investment decisions. By integrating these perspectives, the study provides a comprehensive assessment of how behavioral finance contributes to understanding investor behavior and investment outcomes in modern financial markets.

## 4. | RESULTS

The reviewed literature demonstrates that investor behavior is influenced by a combination of psychological, cognitive, and emotional factors that frequently affect financial decision-making. Across the selected studies, behavioral finance consistently provides explanations for investment decisions that cannot be fully understood through traditional assumptions of rationality. The findings indicate that investors often rely on subjective judgments, personal experiences, emotional responses, and behavioral tendencies when evaluating financial opportunities and risks. Consequently, behavioral finance offers important insights into both individual investment behavior and broader market dynamics.

One of the most prominent findings concerns the influence of behavioral factors on investment decision-making. The reviewed studies consistently indicate that investors do not always evaluate financial information objectively. Instead, decision-making is often affected by psychological influences that shape perceptions of risk, return, and future expectations. Almansour et al. (2023) report that behavioral finance factors significantly affect investment decisions through their impact on risk perception. Similarly, Sattar et al. (2020) demonstrate that behavioral biases play an important role in shaping investment choices. Madaan and Singh (2019) further emphasize that investor behavior frequently deviates from rational financial models due to

psychological influences. These findings suggest that investment decisions are shaped by a complex interaction between financial information and behavioral considerations.

The literature also reveals the significant influence of cognitive biases on investor behavior. Cognitive biases arise when individuals rely on mental shortcuts or simplified reasoning processes while making decisions under uncertainty. Among the most frequently identified biases is overconfidence. Investors affected by overconfidence often overestimate their knowledge, predictive capabilities, or investment skills. Ahmad and Shah (2022) report that overconfidence influences investment performance by affecting perceptions of risk and financial decision-making. Similarly, Ul Abdin et al. (2022) demonstrate that overconfidence increases risk-taking tendencies and influences investment outcomes. These findings indicate that excessive confidence can affect both decision quality and portfolio performance.

Another important finding concerns the role of loss aversion in investment behavior. The reviewed studies consistently demonstrate that investors place greater emotional weight on losses than on gains of equivalent value. This tendency influences how individuals respond to uncertainty, evaluate investment opportunities, and manage financial risks. Bouteska and Regaieg (2020) identify loss aversion as a significant determinant of investor behavior and market performance. Likewise, Dita et al. (2023) report that loss aversion affects investment decisions, particularly during periods of economic uncertainty. These findings suggest that emotional reactions to potential losses can substantially influence financial decision-making processes.

The literature further highlights the importance of herd behavior in shaping financial market activity. Herding occurs when investors imitate the actions of others rather than relying exclusively on independent analysis. Such behavior may emerge due to uncertainty, social influence, or fear of making incorrect decisions. Ahmad and Wu (2022) demonstrate that herding behavior affects investment management practices and perceptions of market efficiency. Similarly, Ouarda (2013) and Ah Mand et al. (2023) report that herding tendencies influence market behavior under different market conditions. Rahayu et al. (2021) further identify herding as a recurring behavioral pattern within stock markets. These findings indicate that collective behavioral tendencies can significantly influence financial market outcomes.

Another major finding concerns the relationship between investor sentiment and market performance. Investor sentiment reflects collective emotions, expectations, and attitudes toward financial markets and economic conditions. The reviewed studies indicate that shifts in sentiment often influence trading behavior and market outcomes independently of fundamental information. Ángeles López-Cabarcos et al. (2020) identify investor sentiment as a central concept within behavioral finance research. Similarly, Ding, Mazouz, and Wang (2019) demonstrate that sentiment influences stock returns and contributes to market fluctuations. These findings suggest that psychological perceptions play an important role in shaping financial market behavior.

The reviewed literature also demonstrates that investor experiences influence future financial decisions. Prior successes and failures often shape how investors perceive risk, evaluate opportunities, and respond to changing market conditions. Malmendier et al. (2020) report that personal experiences affect investment behavior and contribute to broader financial market dynamics. These findings indicate that investment decisions are not solely determined by current information but are also influenced by historical experiences and learning processes.

Another significant finding concerns the implications of behavioral finance for portfolio management. Traditional portfolio theories assume that investors allocate assets based on objective assessments of risk and return. However, the reviewed studies indicate that behavioral factors frequently influence asset allocation decisions and portfolio outcomes. Antony (2020) reports that behavioral finance provides valuable insights into portfolio management by explaining deviations from rational investment behavior. Similarly, Lebdaoui et al. (2021) demonstrate that behavioral biases affect investment performance and that financial literacy may help reduce the negative effects of such biases. These findings suggest that portfolio management outcomes are influenced by both financial knowledge and behavioral characteristics.

The literature further reveals that risk perception serves as an important mechanism linking behavioral factors to investment decisions. Investors often interpret identical information differently due to variations in personal attitudes, experiences, and psychological characteristics. Almansour et al. (2023) identify risk perception as an important mediating factor between behavioral influences and investment decisions. These findings suggest that understanding how investors perceive and evaluate risk is essential for explaining differences in financial decision-making behavior.

Recent developments in digital technologies have also introduced new dimensions to behavioral finance. The reviewed studies indicate that online trading platforms, digital investment applications, social media, and automated advisory systems increasingly influence investor behavior. Briere (2023) reports that digitalization is reshaping retail investor decision-making processes by altering information access and investment practices. Similarly, Adam et al. (2019) demonstrate that robo-advisory systems influence investor choices through recommendation structures and personalized guidance mechanisms. These findings suggest that technological developments are creating new contexts in which behavioral factors operate.

A final important finding concerns the relationship between behavioral finance and market efficiency. Several reviewed studies challenge the assumption that financial markets always reflect rational assessments of information. Vasileiou (2022) argues that fear and uncertainty can influence market behavior and contribute to deviations from market efficiency. Similarly, Kobiyh et al. (2023) emphasize the need to reconsider traditional assumptions regarding market efficiency in light of behavioral evidence. These findings suggest that psychological influences play a meaningful role

in explaining market outcomes that cannot be fully understood through conventional financial theories.

The reviewed literature presents a consistent pattern linking behavioral factors with investment decisions, portfolio management practices, and financial market behavior. The findings indicate that investor decisions are shaped not only by financial information but also by cognitive biases, emotional responses, risk perceptions, social influences, and technological developments. Consequently, behavioral finance provides a valuable framework for understanding investment behavior and explaining financial market outcomes in contemporary financial environments.

## 5. | DISCUSSION

The findings of this review highlight the importance of behavioral finance in explaining investment decisions that cannot be fully understood through traditional financial theories. While conventional models assume that investors evaluate information rationally and consistently seek to maximize expected returns (Kahneman & Tversky,2013), the reviewed literature demonstrates that financial decisions are frequently influenced by psychological, emotional, and social factors. These influences shape how investors interpret information, assess risks, and respond to changing market conditions. Consequently, behavioral finance provides a more realistic perspective on investor behavior and financial market activity.

Investors often operate under conditions of uncertainty, incomplete information, and time constraints, leading them to rely on cognitive shortcuts and subjective judgments. Özen and Ersoy (2019) stated that investment decision-making is not purely a rational process. While such mechanisms can simplify complex decisions, they may also introduce systematic biases that affect investment outcomes. The findings suggest that understanding these behavioral influences is essential for explaining why investors frequently deviate from predictions derived from traditional financial theories.

The discussion also emphasizes the significance of cognitive biases in shaping investment behavior. Overconfidence, loss aversion, and other psychological tendencies consistently emerge as important factors influencing financial decisions (Ahmad & Shah, 2022; Kumar & Babu, 2018). Investors who exhibit overconfidence may underestimate risks, overestimate their knowledge, or engage in excessive trading activities (Ahmad & Shah, 2022). Conversely, investors affected by loss aversion may become overly cautious or make decisions primarily aimed at avoiding losses (Kumar & Babu, 2018). These behavioral tendencies demonstrate that investment decisions are influenced not only by objective information but also by subjective perceptions and emotional responses.

Another important implication concerns the role of risk perception in financial decision-making. The reviewed studies indicate that investors often evaluate risk differently despite being exposed to similar market information (Ahmad & Shah, 2022). Personal experiences, emotions, and behavioral characteristics influence how risks are interpreted and managed. As a result, investors may reach different conclusions

regarding identical investment opportunities. These findings suggest that risk perception functions as an important link between psychological influences and investment behavior, reinforcing the relevance of behavioral finance in understanding financial decision-making processes.

The findings further reveal that investor behavior extends beyond individual decision-making and contributes to broader market outcomes. Herd behavior and investor sentiment illustrate how collective psychological tendencies can influence financial markets (Bikhchandani et al. 2020). When investors imitate the actions of others or react emotionally to market developments, price movements may become disconnected from underlying economic fundamentals. Such behavior may contribute to excessive volatility, asset mispricing, and temporary departures from market efficiency (Bipasha, 2022). These findings provide important explanations for market phenomena that are difficult to interpret through traditional financial frameworks alone.

Another notable implication concerns the relationship between behavioral finance and market efficiency. Traditional financial theories often assume that markets rapidly incorporate all available information into asset prices (Statman, 1999;Kamoune & Ibenrissoul 2022).However, the reviewed evidence suggests that investor emotions, cognitive biases, and social influences may affect market behavior in ways that challenge these assumptions (Bipasha, 2022). Periods of uncertainty, fear, optimism, or speculative enthusiasm can significantly influence trading activity and asset valuation. Therefore, behavioral finance contributes to a more comprehensive understanding of how financial markets function under real-world conditions.

The review also highlights the importance of investor sentiment as a driver of financial market dynamics. Sentiment reflects collective expectations and emotional responses regarding future market developments. Positive sentiment may encourage risk-taking and increased investment activity, whereas negative sentiment may contribute to risk aversion and market declines. The findings indicate that changes in sentiment can influence financial markets even in the absence of significant changes in economic fundamentals (Choi & Yoon, 2020). This observation reinforces the argument that psychological factors play a substantial role in shaping market outcomes.

Another important discussion point concerns portfolio management. The reviewed studies demonstrate that behavioral influences affect asset allocation decisions, investment strategies, and portfolio performance (Ahmad & Shah, 2022). Investors may unknowingly allow emotions, past experiences, or cognitive biases to influence financial choices, potentially reducing investment effectiveness. These findings suggest that successful portfolio management requires awareness of behavioral tendencies and the implementation of strategies designed to minimize decision-making errors. In this context, behavioral finance offers valuable insights for improving investment practices and financial planning.

The findings additionally indicate that financial literacy may help reduce the negative consequences of behavioral biases. Investors with stronger financial

knowledge may be better equipped to recognize psychological influences, evaluate information critically, and make more informed decisions. Although financial literacy cannot eliminate behavioral tendencies entirely, it may improve decision quality and reduce susceptibility to common investment errors (Özen & Ersoy, 2019). This suggests that investor education remains an important component of effective financial decision-making.

Recent technological developments introduce new considerations within behavioral finance research. Digital investment platforms, mobile trading applications, social media communities, and automated advisory systems have transformed how investors access information and execute investment decisions (Shanmuganathan, 2020;Challa 2025). These technologies increase the speed and accessibility of investment activities while simultaneously creating new behavioral influences. Investors are now exposed to larger volumes of information, social interaction, and algorithm-generated recommendations than ever before. Consequently, behavioral finance must increasingly consider the interaction between psychological factors and digital investment environments.

The growing use of robo advisors and technology-assisted investing further illustrates how behavioral finance is evolving. Automated investment systems may reduce certain behavioral biases by introducing structured decision-making processes. However, technology may also create new forms of behavioral influence through recommendation framing, interface design, and information presentation. The findings suggest that future investment environments will likely involve a complex interaction between human psychology and technological systems (Kulkarni et al., 2025).

From a practical perspective, the findings indicate that investors, financial advisors, and financial institutions should recognize the importance of behavioral influences when making investment decisions. Awareness of common biases, emotional reactions, and social influences may contribute to more effective risk management and investment planning. Similarly, financial professionals can utilize behavioral insights to develop strategies that support more rational and informed decision-making among investors.

The evidence synthesized in this review demonstrates that behavioral finance provides a valuable framework for understanding investment decisions and financial market behavior. Through its focus on psychology, cognition, emotions, and social influences, behavioral finance offers explanations for many investment patterns that cannot be fully understood through traditional financial theories. As financial markets continue to evolve and technological innovation reshapes investment practices, behavioral finance is expected to remain an essential field for understanding investor behavior and improving financial decision-making.

## 6. | CONCLUSION

This study examined the role of behavioral finance in shaping investment decisions and influencing financial market behavior through a qualitative Systematic Literature Review (SLR). The findings demonstrate that investment decisions are not determined

solely by objective evaluations of risk and return but are also significantly influenced by psychological, emotional, and cognitive factors. Behavioral finance provides an important framework for understanding how investors make decisions under uncertainty and why actual investment behavior frequently differs from the assumptions of traditional financial theories.

The review reveals that behavioral factors play a substantial role in financial decision-making. Investors are influenced by cognitive biases, emotional responses, personal experiences, and subjective interpretations of information when evaluating investment opportunities. These behavioral influences affect how investors perceive risk, assess expected returns, and respond to changing market conditions. Consequently, investment decisions are often shaped by both financial information and psychological considerations.

A major finding of this study concerns the influence of psychological biases on investor behavior. The reviewed literature indicates that overconfidence, loss aversion, and other cognitive biases significantly affect financial decision-making processes. Overconfidence may encourage excessive risk-taking and unrealistic expectations regarding investment outcomes, while loss aversion may lead investors to prioritize the avoidance of losses over the pursuit of optimal returns. These behavioral tendencies demonstrate how psychological factors can influence investment performance and financial outcomes.

The findings also highlight the importance of risk perception as a key determinant of investment behavior. Investors frequently interpret and respond to financial risks differently despite having access to similar information. Individual attitudes, emotions, and experiences influence how risk is evaluated and incorporated into financial decisions. As a result, differences in risk perception contribute to variations in investment choices and portfolio management strategies among investors.

Another important finding concerns the relationship between behavioral finance and financial market outcomes. The reviewed studies indicate that collective investor behavior can influence market dynamics through mechanisms such as herd behavior and investor sentiment. When investors react emotionally or imitate the actions of others, financial markets may experience increased volatility, temporary inefficiencies, and deviations from fundamental values. These findings suggest that market behavior is influenced not only by economic information but also by psychological and social factors affecting investor decisions.

The study further reveals that behavioral finance provides valuable insights for portfolio management and investment planning. Behavioral biases may influence asset allocation decisions, risk management practices, and portfolio performance. Investors who recognize and manage behavioral tendencies may be better positioned to make informed decisions and improve investment outcomes. Accordingly, behavioral finance contributes to a broader understanding of how investment strategies can be developed within realistic decision-making environments.

The review also demonstrates that investor sentiment plays an important role in financial markets. Collective optimism, pessimism, fear, and confidence can significantly influence trading activity and market performance. Changes in sentiment often affect investment behavior even when underlying economic conditions remain relatively stable. These findings reinforce the argument that psychological influences are important components of modern financial markets and should be considered alongside traditional financial indicators.

Recent technological developments have introduced new dimensions to behavioral finance. Digital investment platforms, social media, online trading applications, and robo-advisory systems increasingly influence how investors access information and make financial decisions. These technologies create new opportunities for investment participation while simultaneously introducing new behavioral challenges and decision-making environments. As financial markets continue to digitalize, understanding the interaction between technology and investor psychology will become increasingly important.

From a practical perspective, the findings suggest that investors, financial advisors, and financial institutions should incorporate behavioral considerations into investment planning and decision-making processes. Awareness of behavioral biases and emotional influences may improve risk management practices and support more rational financial decisions. Furthermore, financial literacy initiatives may help investors recognize common behavioral tendencies and reduce the negative consequences associated with biased decision-making.

Future research may further explore the interaction between behavioral finance, financial technology, artificial intelligence, digital investing platforms, and emerging forms of investor participation. Additional studies may also investigate behavioral influences across different investor groups, financial markets, and economic conditions. By synthesizing contemporary literature, this study contributes to a broader understanding of behavioral finance and highlights its importance in explaining investment decisions and financial market behavior in modern financial environments.

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***Declaration of Conflicting Interests***

The authors declare that there is no conflict of interest.

***Ethical Approval and Originality Statement***

Ethical approval was obtained for this study. The manuscript represents original work and has not been previously published, nor is it under consideration by another journal.

***Data Disclosure Statement***

The data that support the findings of this study are available from the corresponding author upon reasonable request.

## REFERENCES

Adam, M., Toutaoui, J., Pfeuffer, N., & Hinz, O. (2019). Investment decisions with robo-advisors: The role of anthropomorphism and personalized anchors in recommendations. In *Proceedings of the 27th European Conference on Information Systems (ECIS)* Stockholm & Uppsala: AIS.

Ah Mand, A., Janor, H., Abdul Rahim, R., & Sarmidi, T. (2023). Herding behavior and stock market conditions. *PSU Research Review, 7*(2), 105–116.

Ahmad, M., & Shah, S. Z. A. (2022). Overconfidence heuristic-driven bias in investment decision-making and performance: Mediating effects of risk perception and moderating effects of financial literacy. *Journal of Economic and Administrative Sciences, 38*(1), 60–90.

Ahmad, M., & Wu, Q. (2022). Does herding behavior matter in investment management and perceived market efficiency? Evidence from an emerging market. *Management Decision, 60*(8), 2148–2173.

Almansour, B. Y., Elkrghli, S., & Almansour, A. Y. (2023). Behavioral finance factors and investment decisions: A mediating role of risk perception. *Cogent Economics & Finance, 11*(2), 2239032.

Ángeles López-Cabarcos, M., Pérez-Pico, A. M., & López Perez, M. L. (2020). Investor sentiment in the theoretical field of behavioural finance. *Economic Research-Ekonomska Istraživanja, 33*(1), 2101–2228.

Antony, A. (2020). Behavioral finance and portfolio management: Review of theory and literature. *Journal of Public Affairs, 20*(2), e1996.

Bikhchandani, S., & Sharma, S. (2001). Herd behavior in financial markets. *IMF Staff Papers, 47*(3), 279–310.

Bipasha, Y. A. (2022). Market efficiency, anomalies and behavioral finance: A review of theories and empirical evidence. *World Journal of Advanced Research and Reviews, 15*(2), 827–839.

Bouteska, A., & Regaieg, B. (2020). Loss aversion, overconfidence of investors and their impact on market performance: Evidence from the US stock markets. *Journal of Economics, Finance and Administrative Science, 25*(50), 451–478.

Briere, M. (2023). Retail investors' behavior in the digital age: How digitalization is impacting investment decisions. *SSRN Electronic Journal*.

Challa, S. R. R. (2025). Advancements in Digital Brokerage and Algorithmic Trading: The Evolution of Investment Platforms in a Data Driven Financial Ecosystem. *Advances in Consumer Research*, *2*, 238-249.

Choi, K.-H., & Yoon, S.-M. (2020). Investor sentiment and herding behavior in the Korean stock market. *International Journal of Financial Studies, 8*(2), 34.

Ding, W., Mazouz, K., & Wang, Q. (2019). Investor sentiment and the cross-section of stock returns: New theory and evidence. *Review of Quantitative Finance and Accounting, 53*, 493–525.

Dita, R. D. R. T., Heryana, T., & Basuki, T. I. (2023). Investment decision-making

behavior in the era of COVID-19: An analysis on the basis of mental accounting, loss aversion bias, and risk tolerance. *HOLISTICA Journal of Business and Public Administration, 14*(2), 33–42.

Gupta, S., & Shrivastava, M. (2022). Herding and loss aversion in stock markets: Mediating role of fear of missing out (FOMO) in retail investors. *International Journal of Emerging Markets, 17*(7), 1720–1737.

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).

Kamoune, A., & Ibenrissoul, N. (2022). Traditional versus behavioral finance theory. *International Journal of Accounting, Finance, Auditing, Management and Economics*, *3*(2-1), 282-294.

Kartini, K., & Nahda, K. (2021). Behavioral biases on investment decision: A case study in Indonesia. *The Journal of Asian Finance, Economics and Business, 8*(3), 1231–1240.

Kobiyh, M., El Amri A., Oulfarsi, S. & Hilmi, Y. (2023). Behavioral finance and the imperative to rethink market efficiency. *Financial Markets, Institutions and Risks, 7*(4), 38- 53.

Kulkarni, M. S., Patil, K. P., & Pramod, D. (2025). The role of robo-advisors in behavioural finance, shaping investment decisions. *Cogent Economics & Finance, 13*(1), 2571403.

Kumar, A., & Babu, M. (2018). Effect of loss aversion bias on investment decision: A study. *Journal of Emerging Technologies and Innovative Research, 5*(11), 71–72.

Lebdaoui, H., Chetioui, Y., & Guechi, E. (2021). The impact of behavioral biases on investment performance: Does financial literacy matter? *International Journal of Economics and Financial Issues, 11*(3), 13–21.

Linnenluecke, M. K., Marrone, M., & Singh, A. K. (2020). Conducting systematic literature reviews and bibliometric analyses. *Australian Journal of Management, 45*(2), 175–194.

Madaan, G., & Singh, S. (2019). An analysis of behavioral biases in investment decision-making. *International Journal of Financial Research, 10*(4), 55–67.

Malmendier, U., Pouzo, D., & Vanasco, V. (2020). Investor experiences and financial market dynamics. *Journal of Financial Economics, 136*(3), 597–622.

Ouarda, M., El Bouri, A., & Bernard, O. (2013). Herding behavior under markets condition: Empirical evidence on the European financial markets. *International Journal of Economics and Financial Issues*, *3*(1), 214-228.

Özen, E., & Ersoy, G. (2019). The impact of financial literacy on cognitive biases of individual investors. In S. Grima, E. Özen, H. Boz, J. Spiteri, & E. Thalassinos (Eds.), *Contemporary issues in behavioral finance* (Vol. 101, pp. 77–95). Emerald Group Publishing.

Page, M. J., McKenzie, J. E., Bossuyt, P. M., Boutron, I., Hoffmann, T. C., Mulrow, C. D., Shamseer, L., Tetzlaff, J. M., Akl, E. A., Brennan, S. E., Chou, R., Glanville, J., Grimshaw, J. M., Hróbjartsson, A., Lalu, M. M., Li, T., Loder, E. W., Mayo-Wilson, E., McDonald, S., ... Moher, D. (2021). The PRISMA 2020 statement: An updated guideline for reporting systematic reviews. *BMJ, 372*, n71.

Rahayu, A. D., Putra, A., Oktaverina, C., & Ningtyas, R. A. (2021). Herding behavior in the stock market: A literature review. *International Journal of Social Sciences Review, 1*(2), 8–25.

Sattar, M. A., Toseef, M., & Sattar, M. F. (2020). Behavioral finance biases in investment decision making. *International Journal of Accounting, Finance and Risk Management, 5*(2), 69–72.

Shanmuganathan, M. (2020). Behavioural finance in an era of artificial intelligence: Longitudinal case study of robo-advisors in investment decisions. *Journal of Behavioral and Experimental Finance, 27*, 100297.

Snyder, H. (2019). Literature review as a research methodology: An overview and guidelines. *Journal of Business Research, 104*, 333–339.

Statman, M. (1999). Behavioral finance: Past battles and future engagements. *Financial Analysts Journal, 55*(6), 18–27.

Ul Abdin, S. Z., Qureshi, F., Iqbal, J., & Sultana, S. (2022). Overconfidence bias and investment performance: A mediating effect of risk propensity. *Borsa Istanbul Review, 22*(4), 780–793.

Vasileiou, E. (2022). Behavioral finance and market efficiency in the time of the COVID-19 pandemic: Does fear drive the market? In *The Political Economy of COVID-19* (pp. 116–133). Routledge.