"Financial Literacy and Investment Decisions Among Young Adults"

, Assistant Professor, Amity University Raipur (C.G.)

Priyanshi Relwani, Enrollment number A80306422231, BBA VI Sem, Batch 2022- 2025, , Amity University Raipur (C.G.)

Abstract

In today's dynamic financial environment, young adults are increasingly exposed to complex financial decisions and investment opportunities. However, their ability to make sound financial choices largely depends on their level of financial literacy. This study investigates the relationship between financial literacy and investment decision-making among young adults, aiming to assess how financial knowledge influences their ability to plan, evaluate, and engage in various investment activities.

The research adopts a quantitative approach, collecting primary data through structured questionnaires administered to a sample of young adults aged 18 to 35. The study evaluates respondents' understanding of key financial concepts such as budgeting, interest rates, inflation, risk diversification, and investment planning. It also explores behavioral factors, including risk tolerance, confidence, and the influence of technology on financial decisions.

Findings indicate a strong positive correlation between financial literacy and responsible investment behavior. Participants with higher levels of financial literacy demonstrated greater confidence in managing investments, preferred diversified portfolios, and showed better understanding of long-term financial planning. Conversely, low levels of financial literacy were associated with hesitancy, impulsive decisions, or complete avoidance of investment activities.

The study concludes that enhancing financial literacy through education and awareness programs can significantly improve the investment decisions of young adults, leading to better financial security and economic well-being. It recommends the integration of financial education into academic curricula and the development of accessible financial learning platforms tailored to youth.

1. Introduction

In the increasingly complex and fast-evolving global economy, financial literacy has emerged as an essential life skill. The ability to understand and manage personal finances is no longer a luxury but a necessity, especially for young adults transitioning into financial independence. With the proliferation of financial products, digital banking, fintech platforms, and investment opportunities, today's youth are confronted with more financial choices — and risks — than ever before. However, this abundance of options requires a foundational understanding of financial principles, which many young adults lack. This gap between access to financial tools and the ability to use them effectively raises crucial questions about the impact of financial literacy on investment decision-making.

Financial literacy refers to the knowledge and ability to understand financial concepts such as saving, investing, budgeting, credit management, and risk diversification. It encompasses not only theoretical knowledge but also practical skills that empower individuals to make informed and effective financial decisions. Among young adults, financial literacy plays a critical role as they begin managing their own finances, often for the first time. From choosing savings accounts and credit cards to investing in mutual funds or digital assets, every decision carries implications for their financial well-being and long-term security.

Investment decisions, in particular, require a nuanced understanding of financial markets, risk assessment, time value of money, and financial planning. For many young adults, however, investing appears daunting due to a lack of formal education, limited experience, and uncertainty about where and how to begin. This lack of confidence and competence often results in either financial inaction or poor investment choices driven by misinformation, social influence, or impulsivity. Financial illiteracy can lead to missed opportunities, under-saving for the future, or falling victim to scams and high-risk ventures.

The issue becomes even more pertinent in the Indian context, where a large proportion of the population is under the age of 35 — the so-called "demographic dividend." Despite this potential, studies have shown that financial literacy levels in India remain low, particularly among youth. This has implications not only for individual financial security but also for national economic growth, as financially aware citizens are more likely to contribute positively to the economy through responsible consumption, saving, and investing.

Recognizing the significance of this issue, governments, educational institutions, and financial organizations around the world are increasingly advocating for financial literacy programs targeted at youth. Nevertheless, the question remains: **Does financial literacy genuinely influence how young adults make investment decisions?** And if so, **to what extent?** This study aims to investigate these questions by exploring the relationship between financial literacy and investment behaviors among young adults.

The research is motivated by the need to understand whether improving financial education can lead to more informed investment decisions, better financial planning, and ultimately greater economic empowerment among the youth. It seeks to identify the factors that influence financial literacy, assess how it translates into actual investment practices, and explore barriers that may hinder effective financial decision-making.

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In conclusion, financial literacy is not merely an academic or theoretical concept — it is a vital determinant of financial health and independence. As young adults face increasing financial responsibilities in a digitally connected but economically volatile world, understanding the dynamics between their financial knowledge and investment choices becomes essential. This study contributes to this critical area of research by shedding light on how financial literacy shapes investment decisions among young adults, with implications for policy-makers, educators, financial institutions, and the youth themselves.

Behavioral finance challenges the assumption of rationality by recognizing that investors often act irrationally due to biases such as overconfidence, loss aversion, herd mentality, and anchoring. These biases can significantly distort market outcomes, leading to inefficiencies and unpredictable trends. In a complex and emotionally driven market like India's, where retail participation has surged in recent years due to digital platforms and growing financial awareness, understanding the behavioral patterns of investors has become increasingly important.

The **Indian stock market**, characterized by high volatility, a diverse investor base, and rapid growth, provides a fertile ground for studying the influence of behavioral factors. Indian investors often rely on advice from peers, follow media trends, or base decisions on recent events rather than in-depth financial analysis. Such tendencies make them susceptible to psychological errors that can impact portfolio performance and market dynamics as a whole.

This research aims to explore how behavioral biases shape investment decisions in the Indian context. By identifying the key psychological factors affecting Indian investors and examining their influence on decision-making, this study seeks to bridge the gap between theory and practice in investment behavior. The findings can help improve investor education, support the development of better advisory tools, and contribute to more stable financial markets.

2. Literature Review

Behavioral finance challenges the notion of investor rationality, introducing psychological dimensions to financial decision-making. According to **Kahneman and Tversky's Prospect Theory (1979)**, individuals evaluate potential losses and gains differently, leading to inconsistent risk preferences.

Barberis, Shleifer, and Vishny (1998) found that cognitive errors such as overreaction and underreaction to market news create inefficiencies. **Thaler (1999)** expanded on this, introducing the idea of mental accounting, where individuals treat money differently based on subjective criteria.

In the Indian context, **Pompian (2006)** and **Chandra (2008)** observed that retail investors are often driven by heuristics and social proof rather than fundamental analysis. **Shefrin (2000)** notes that loss aversion, regret aversion, and overconfidence are especially pronounced among Indian investors.

Recent literature suggests that education, age, income, and trading experience influence the intensity of behavioral biases. **Statman (2014)** argues that emotional investors tend to chase market trends, often resulting in suboptimal returns.

Behavioral finance has emerged as a powerful tool in understanding the psychology behind investment decisions, especially in markets like India, where investor sentiment often overrides fundamental analysis. This literature review presents key theories, concepts, and empirical studies that underline the role of behavioral finance in shaping investment behaviors.

1. Foundations of Behavioral Finance

Kahneman and Tversky (1979) laid the groundwork for behavioral finance with their *Prospect Theory*, which argues that individuals value gains and losses differently, leading to risk-averse or risk-seeking behaviors based on perceived outcomes. Investors are more sensitive to losses than to gains of the same magnitude, which often leads to irrational investment decisions.

Thaler (1980) introduced concepts like mental accounting and the endowment effect, showing how people make inconsistent financial decisions based on how they frame outcomes or perceive ownership value.

Shefrin (2000) emphasized that psychological factors such as fear, greed, regret, and overconfidence significantly influence investment behavior, often leading to irrational asset pricing and market bubbles.

2. Key Behavioral Biases

Several behavioral biases have been identified in the literature as influencing investor decisions:

- **Overconfidence Bias**: Investors tend to overestimate their knowledge, skills, or ability to predict market movements. **Barber and Odean (2001)** found that overconfident investors trade more frequently and achieve lower returns.
- **Herd Behavior**: Investors follow the actions of others, especially in uncertain situations. **Banerjee (1992)** observed that herd behavior is prevalent in emerging markets where information asymmetry is high.
- **Anchoring**: Investors rely too heavily on the first piece of information they receive (the "anchor") when making decisions, even when irrelevant. This can lead to price inefficiencies.
- **Loss Aversion**: Investors exhibit a stronger emotional reaction to losses than to gains. This can result in holding on to losing stocks too long or selling winners too early.
- **Regret Aversion**: Investors may avoid taking actions because they fear the potential regret that could follow a poor outcome, leading to inertia and missed opportunities.

3. Behavioral Finance in the Indian Context

India's stock market is unique due to the dominance of retail investors, limited financial literacy, and the influence of informal advice and social media.

Chandra (2008) explored Indian investor behavior and identified key psychological traits like overconfidence, anchoring, and herd mentality among retail investors. He noted that these biases often lead to decisions that deviate from rational financial planning.

Pompian (2006) classified behavioral biases into cognitive and emotional categories and emphasized that Indian investors tend to exhibit more emotional biases due to socio-cultural and informational factors.

Sultana and Pardhasaradhi (2012) conducted an empirical study in South India and found that psychological biases significantly influence investment decisions, especially among young and inexperienced investors.

Statman (2014) suggested that Indian investors are heavily influenced by narratives, short-term gains, and speculative behavior, rather than long-term planning and diversification.

4. Impact on Market Outcomes

Behavioral finance not only affects individual decisions but also influences broader market phenomena:

- **Market Bubbles and Crashes**: Behavioral tendencies such as optimism bias and herd behavior have contributed to irrational exuberance in markets, leading to speculative bubbles (e.g., tech bubble, crypto hype, etc.).
- **Volatility**: Emotionally driven trades can cause frequent price swings in stock prices, as shown by **Shiller (2003)**, who argued that volatility often cannot be explained by fundamentals alone.
- **Portfolio Performance**: Studies by **Odean (1999)** and **Chaudhary et al. (2020)** suggest that behavioral biases reduce portfolio efficiency, as investors often make suboptimal choices that deviate from risk-return rationality.

5. Behavioral Interventions

To counter the adverse effects of behavioral biases, several solutions have been proposed:

- **Nudges and Financial Education**: **Thaler and Sunstein (2008)** introduced the concept of "nudging" to help individuals make better financial choices without restricting freedom of choice.

- **Robo-Advisors and Algorithms**: These tools reduce emotional involvement by offering logic-driven, automated suggestions.
- **Behavioral Checklists**: Some financial planners advocate structured frameworks that force investors to consider potential biases before executing trades.

6. Research Gaps Identified

While there is growing research on behavioral finance in global markets, literature specific to Indian retail investors is relatively limited. Most studies have small sample sizes or are region-specific. There is also a need for longitudinal studies to measure the long-term impact of behavioral biases on portfolio outcomes.

3. Objectives

1. To examine the influence of behavioral finance theories on investment decisions in the Indian stock market.
2. To identify the most common behavioral biases affecting Indian investors.
3. To analyze the impact of investor psychology on stock market trends and movements.
4. To assess the relationship between demographic factors and behavioral biases.

4. Research Methodology

4.1 Research Design:

Descriptive and analytical design combining both qualitative and quantitative data.

4.2 Population and Sample:

Retail investors across metropolitan cities in India.

Sample size: 150 respondents selected via stratified random sampling.

4.3 Data Collection Methods:

Primary data: Structured questionnaires (Likert scale).

Secondary data: Books, research journals, NSE/BSE data, SEBI reports.

4.4 Tools Used:

- Descriptive statistics
- Chi-square tests
- Correlation analysis
- Graphs and charts for interpretation

5. Analysis and Interpretation

Bias Awareness among Investors

Bias Type	**Aware (%)**	**Unaware (%)**
Overconfidence	68	32

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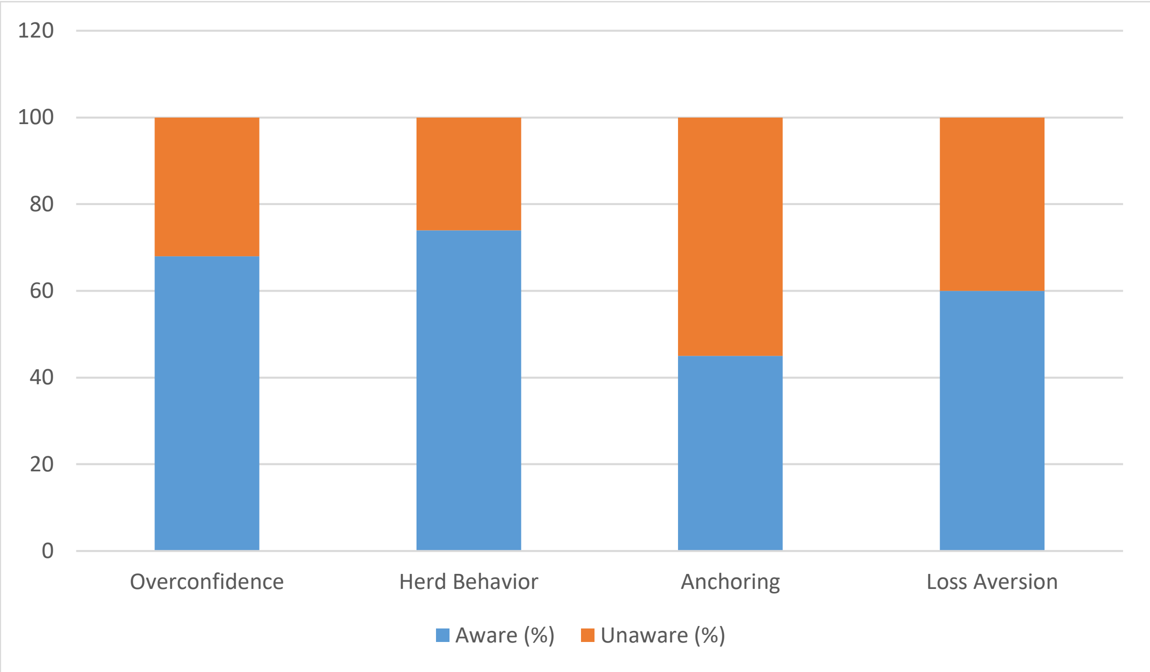
Herd Behavior	74	26
Anchoring	45	55
Loss Aversion	60	40

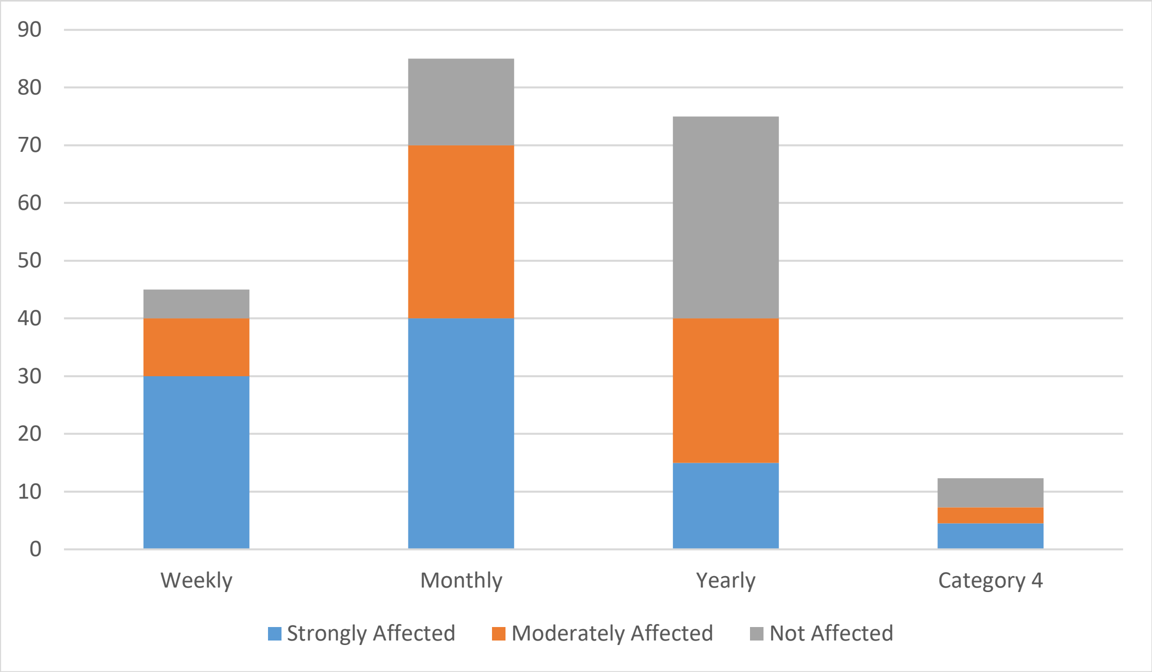


Interpretation:

Herd behavior and overconfidence are widely recognized, while anchoring remains less understood.

Influence of Behavioral Biases on Investment Frequency

Investment Frequency	Strongly Affected	Moderately Affected	Not Affected
Weekly	30	10	5
Monthly	40	30	15
Yearly	15	25	35



Interpretation:

Frequent investors are more affected by behavioral biases than occasional investors.

Correlation: Age and Risk Aversion

- Correlation coefficient (r) = -0.42
- **Interpretation:**

  There is a moderate negative correlation between age and risk-taking ability—older investors are more risk-averse.

6. Findings

- Behavioral biases are widespread among Indian investors, with herd behavior and overconfidence being most prominent.
- Young and new investors are more prone to emotional decision-making and less reliant on technical or fundamental analysis.
- Investors with higher education and experience are relatively better at managing biases.
- Media, peer influence, and market rumors significantly affect investor sentiment in India.

7. Suggestions

1. **Investor Education Programs:** SEBI and financial institutions should enhance awareness about behavioral finance.
2. **Use of Technology:** Robo-advisors and algorithm-based tools can reduce emotional interference in investing.

3. **Personal Finance Counseling:** Periodic behavior-focused counseling can help investors stay aligned with long-term goals.
4. **Behavioral Checklists:** Encourage use of rational frameworks and pre-investment checklists to counteract impulsive decisions.

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