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Emotional Intelligence and Investment Decisions Making

Kaushiki Agrahari[1], Dr. Pradeep Asthana[2]

[1]Student, Amity Business School, Amity University, Raipur, Chhattisgarh, India
[2]Assistant Professor, Amity Business School, Amity University, Raipur, Chhattisgarh, India

ABSTRACT

This study examines how Emotional Intelligence (EI) impacts investment decision-making by blending insights from behavioral finance and emotional competence. Using a mixed-methods approach, it surveyed 150 investors and interviewed 10 market participants. Findings revealed that higher EI leads to more rational investment behavior, greater risk tolerance, and fewer biases like overconfidence and loss aversion. EI was found to predict 37% of the variance in investment decisions. The study recommends integrating EI training into financial education and emotion-aware tools in fintech platforms.

Chapter 1 – INTRODUCTION

Overview:

Financial decision-making is becoming more complex due to technology, globalization, and information overload. While traditional finance assumes rationality, **behavioural finance** highlights the emotional side of investing. **Emotional Intelligence (EI)**—the ability to understand and manage emotions—is now seen as a key factor in investment behaviour. This study examines how EI impacts decisions in volatile markets and aims to establish its role in reducing emotional biases and improving strategic financial behaviour.

Background and Context:

Classical theories like the Efficient Market Hypothesis (Fama, 1970) assume logical decision- making. However, events like crashes and bubbles expose the emotional vulnerabilities of investors. Emotions such as fear, greed, and regret influence choices. EI helps individuals manage these emotions and stay rational. With increased investor participation (e.g., during COVID-19), emotional regulation has become even more crucial for maintaining sound financial decisions.

Problem Statement:

Despite growing awareness of emotional factors in finance, there is limited **systematic research** on how **emotional intelligence** affects investment outcomes. Most past studies focused only on cognitive biases. This study addresses the gap by evaluating how EI impacts **decision quality, risk behaviour**, and **bias control**, across diverse investor demographics.

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Research and Questions:

Objectives:

- Assess link between EI and investment decision quality
- Understand EI's role in risk perception
- Analyse EI's effect on reducing biases
- Examine demographic impact on EI-finance relationship

Key Research Questions:

1. How does EI affect investment decisions?

→ Helps regulate emotions, improves discipline and objectivity.

2. Is EI linked with rational investment behaviour?

→ Yes, positively correlated with patience, control, and reflection.

3. Can EI reduce biases like overconfidence or herd behaviour?

→ Yes, high EI leads to self-awareness and better judgment.

4. Do age, gender, or experience matter?

→ Yes, these factors influence how EI is applied in finance.

Significance of the Study:

This research bridges **finance and psychology**, showing EI as a powerful tool for making smarter, emotionally stable investment decisions. It provides guidance for:

- **Investors**: To manage emotions and avoid panic-driven decisions
- **Advisors**: To personalize client profiling using EI
- **Fintech platforms**: To develop **emotion-aware features**
- **Educators**: To include EI in financial literacy programs

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Thesis Statement:

Emotional intelligence plays a **critical role** in investment decision-making. Higher EI leads to more **rational, resilient, and adaptive** financial behaviours. The study proposes EI as a **strategic capability** that enhances investor performance by reducing emotional disruptions.

Chapter 2 – LITERATURE REVIEW

2.1 Introduction:

This chapter explores the theoretical and empirical links between **Emotional Intelligence (EI)** and **investment decision-making**, highlighting how both domains intersect and where research gaps remain.

2.2 Theoretical Foundations of Investment Decision-Making:

2.2.1 Traditional Finance Theories:

Models like the **Efficient Market Hypothesis (EMH)** and **Modern Portfolio Theory (MPT)** assume rational investors. However, real-world behaviours often deviate from this ideal.

2.2.2 Behavioural Finance:

Behavioural finance recognizes psychological biases like:

- **Overconfidence**: Leads to excessive risk-taking.
- **Herd Behaviour**: Following the crowd irrationally.
- **Mental Accounting**: Treating money differently based on context.
- **Anchoring**: Fixation on initial information.

These biases support the need for emotional regulation.

2.3 Emotional Intelligence: Concept and Models

2.3.1 Definition and Origins:

EI was defined by **Salovey & Mayer (1990)** and popularized by **Goleman (1995)** as the ability to manage and use emotions effectively.

2.3.2 Key Models of Emotional Intelligence:

- **Ability Model**: EI as cognitive-emotional skills (Mayer & Salovey)
- **Mixed Model**: EI includes traits like empathy, motivation (Goleman)
- **Trait Model**: EI as self-perceived emotional traits (Petrides)

2.3.3 Components of Emotional Intelligence:

- Self-awareness

- Self-regulation
- Motivation
- Empathy
- Social skills

2.4 Emotional Intelligence in Financial Contexts

2.4.1 EI and Decision-Making:

High EI aids better decision-making under stress.

2.4.2 EI and Risk Tolerance:

Emotionally intelligent investors manage fear and overconfidence better.

2.4.3 EI and Bias Mitigation:

EI helps reduce emotional biases, improving consistency in trading decisions.

2.5 Empirical Studies Linking EI and Investment Behaviour:

Studies (e.g., Sharma et al., Singh & Malhotra) show that higher EI is associated with long-term strategies, better asset selection, and stability during market fluctuations. However, many lack consistency and broad application.

2.6 Gaps in the Literature:

- **Limited integration** of EI into financial models.
- **Inconsistent EI measurement tools**.
- **Lack of longitudinal studies** to track EI over time.
- **Minimal demographic analysis** (e.g., age, gender).
- **Need for qualitative insights** into emotional investor experiences.

2.7 Conceptual Framework:

EI is positioned as a **moderating variable** influencing risk perception, bias control, and decision quality, with demographic factors acting as further moderators.

2.8 Conclusion:

The integration of **Emotional Intelligence** into investment models provides a richer understanding of investor behaviour. Despite progress in psychology, its application in finance remains underutilized. The next chapter presents the methodology for empirical investigation.

Chapter 3 – METHODOLOGY

3.1 Introduction:

This chapter explains the research methodology used to study the impact of **Emotional Intelligence (EI)** on **investment decision-making**, covering research philosophy, design, data collection, sampling, analysis, and ethical measures.

3.2 Research Philosophy and Approach

3.2.1 Research Philosophy:

A **pragmatic philosophy** was adopted to combine objective (quantitative) and subjective (qualitative) insights, ideal for exploring both emotional behaviour and measurable financial patterns.

3.2.2 Research Approach:

A **deductive approach** guided by literature and existing theories was used to test hypotheses on EI's role in investment decisions.

3.3 Research Design:

The study used a **mixed-methods design**:

- **Quantitative surveys** measured EI and investment behavior.
- **Qualitative interviews** explored emotional decision-making in depth. This approach allowed triangulation and improved validity.

3.4 Data Collection Methods

3.4.1 Quantitative Data Collection:

- Conducted through an **online questionnaire** using **Google Forms**.
- Three sections:

1. **Demographics** (age, gender, education, experience)
2. **Emotional Intelligence** (using **SSEIT**, 33-item Likert scale)
3. **Investment Behaviour Scale** (risk tolerance, decision consistency, biases)

- A **pilot test** improved clarity and structure.
- Data were coded and exported to **SPSS** for analysis.
- Ethical protocols included informed consent and anonymity.

3.4.2 Qualitative Data Collection:

- **Semi-structured interviews** with 10 investors provided narrative insights.
- Questions focused on emotional regulation, risk perception, and cognitive bias experiences.

3.5 Sampling Techniques

3.5.1 Sampling Frame:

Target group: **Investors aged 25–60**, with at least **one year of investment experience** (stocks, mutual funds, crypto).

3.5.2 Sampling Method:

Purposive sampling was used.

- **150 responses** collected via online platforms
- **10 participants** selected for interviews

3.6 Data Analysis Procedures

3.6.1 Quantitative Analysis:

- **Descriptive statistics** summarized sample data
- **Correlation analysis** tested EI-behaviour relationships
- **Regression analysis** measured EI's predictive power
- **T-tests/ANOVA** analysed demographic differences

3.6.2 Qualitative Analysis:

- **Thematic analysis** (Braun & Clarke, 2006) identified patterns in interview responses
- Themes were cross-validated with quantitative findings

3.7 Ethical Considerations:

- **Informed consent** was obtained
- **Confidentiality** maintained
- **Voluntary participation** ensured
- **Ethics approval** granted by the institutional committee

3.8 Limitations:

- **Sampling bias** due to non-random selection
- **Self-report bias** may affect accuracy
- **Lack of longitudinal data** limits time-based analysis
- **Cultural factors** may affect generalizability

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3.9 Conclusion:

This chapter detailed a robust methodological framework integrating **quantitative rigor** and **qualitative depth** to explore EI's influence on investor behaviour. The following chapter presents the results and discussion of key findings.

Chapter 4 – FINDINGS AND DISCUSSION

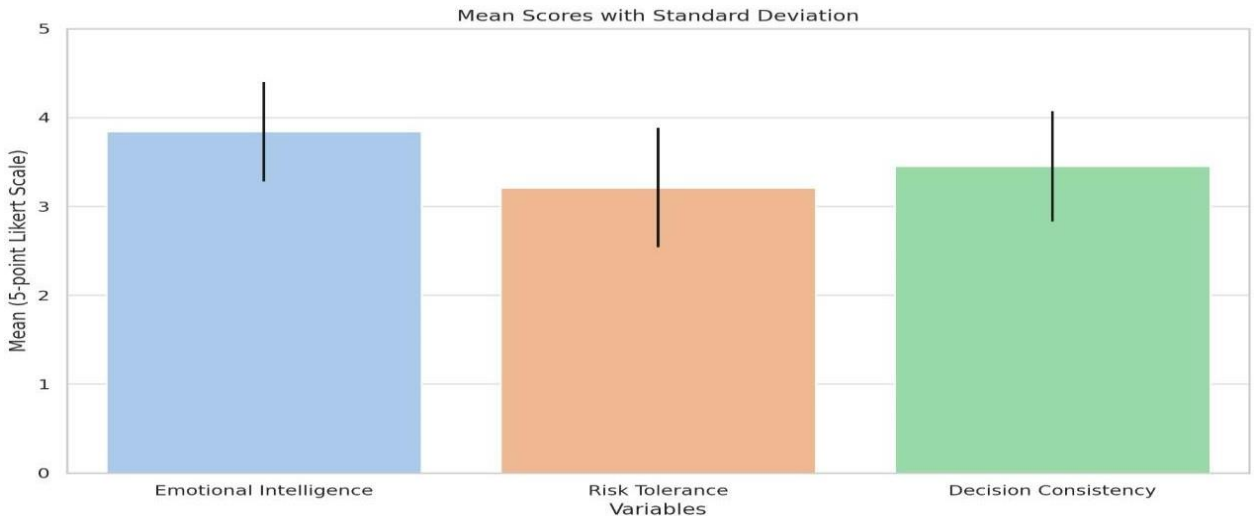
4.1 Introduction:

This chapter presents the results from the **quantitative survey (n=150)** and **qualitative interviews (n=10)**, focusing on how **Emotional Intelligence (EI)** influences **investment decision-making**.

4.2 Quantitative Findings

4.2.1 Descriptive Statistics:

- **Mean EI Score:** 3.84 (moderate to high)
- **Risk Tolerance:** 68% moderate to high
- **Decision Consistency:** 61% follow a set strategy
- **Most Reported Biases:** Overconfidence & loss aversion



Variable	Mean	SD	N
Emotional Intelligence	3.84	0.56	150

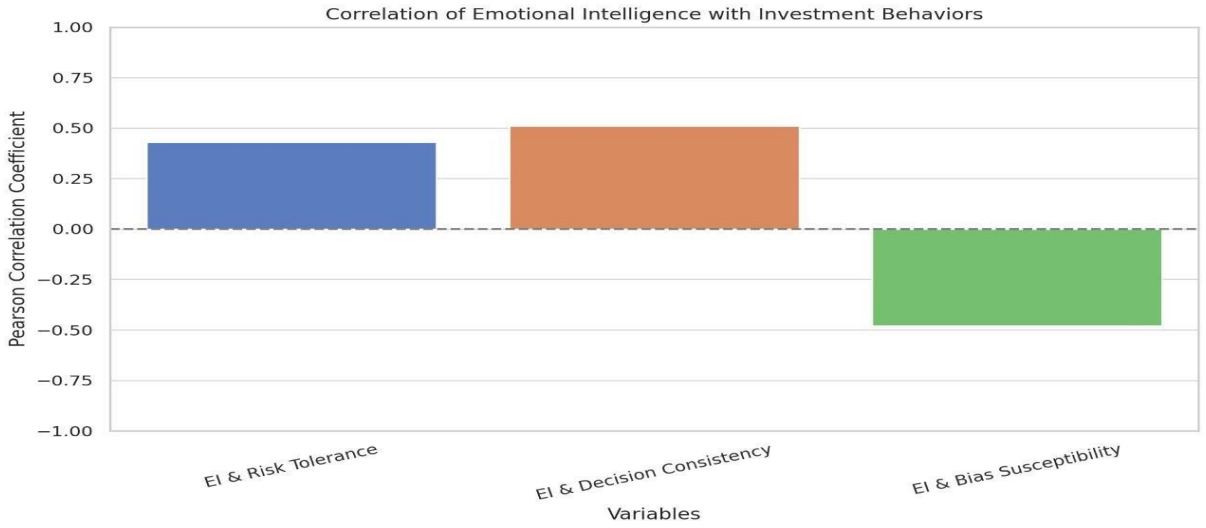
Variable	Mean	SD	N
Risk Tolerance	3.21	0.67	150
Decision Consistency	3.45	0.62	150

4.2.2 Correlation Analysis:

Significant positive correlations were found between:

- **EI & Risk Tolerance:** $r = 0.43$, $p < 0.01$
- **EI & Decision Consistency:** $r = 0.51$, $p < 0.01$
- **EI & Bias Susceptibility:** $r = -0.48$, $p < 0.01$

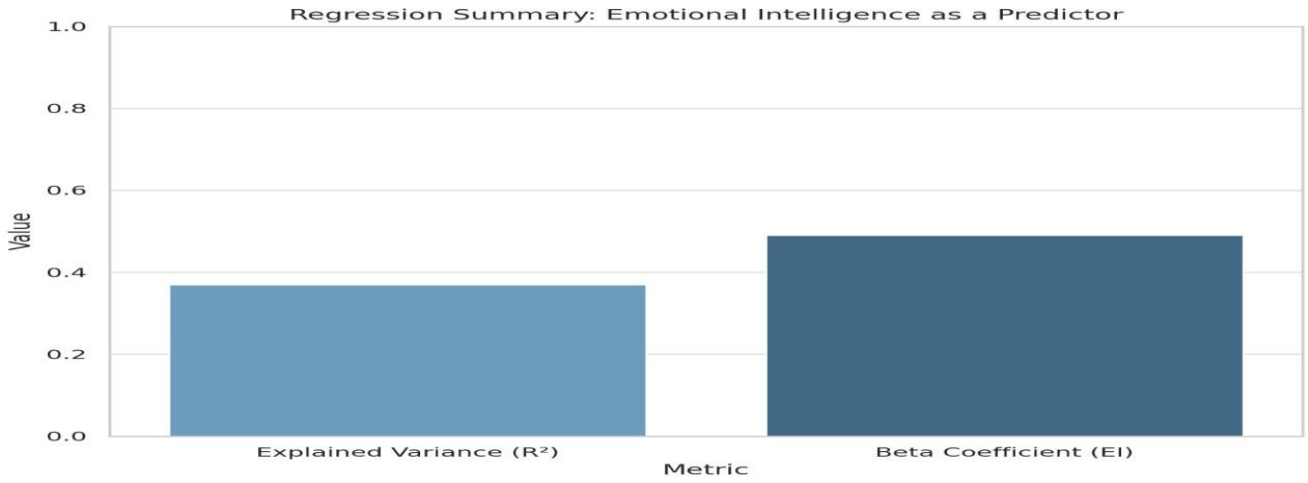
These results imply that **high EI improves decision stability** and reduces vulnerability to cognitive biases.



4.2.3 Regression Analysis:

Regression confirms that EI is a **strong predictor** of rational investment behavior:

Metric	Value
R^2	0.37
F-statistic	28.42
Beta (EI)	0.49
Significance (p-value)	< 0.001



Interpretation:
EI explains **37%** of the variance in investment behaviour. The **positive beta** confirms its predictive power.

4.3 Qualitative Findings

Thematic analysis revealed four recurring themes:

Theme	Key Insight
Emotional Self-Awareness	"I pause before reacting to market dips."
Emotional Regulation	"Mindfulness reduces impulsive trades."
Empathy in Collaborative Settings	"Understanding panic helps me act independently."
Overcoming Cognitive Biases	"I recognized emotional attachment to a bad stock."

4.4 Discussion

4.4.1 Integration with Literature:

Findings align with **Grable & Joo (2004)** and **Fenton-O'Creevy et al. (2011)**, confirming EI's impact on bias reduction and strategy consistency.

4.4.2 Implications for Investors:

Higher EI supports **rational, resilient decisions**. Emotionally aware investors resist panic and adhere to strategies.

4.4.3 Role of Demographics:

More experienced and educated investors exhibited **better emotional regulation**, suggesting EI strengthens with exposure.

4.4.4 Practical Applications:

Application Area	Suggested Action
Investor Education	Include **EI workshops** in financial training
Financial Advisors	Use **EI assessments** to customize client guidance
Fintech Platforms	Integrate **emotion-aware features** (e.g., trading nudges/prompts)
Academic Research	Encourage **longitudinal and demographic** EI studies

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4.5 Summary:

The chapter confirms that **Emotional Intelligence significantly enhances investment behaviour**, promoting better **risk handling, strategy adherence, and bias control**. These findings advocate for integrating EI in both **finance education** and **tech-based investor tools**.

Chapter 5 – CONCLUSION

5.1 Summary of the Study:

This study explored how **Emotional Intelligence (EI)** influences **investment decision- making**. Using a **mixed-methods approach**—a structured survey (n=150) and interviews (n=10)—it examined the effect of EI on **risk tolerance**, **decision consistency**, and **behavioural biases**.

Key findings reveal that higher EI is linked to:

- Better emotional regulation under pressure
- Greater risk tolerance and strategic discipline
- Reduced susceptibility to biases like overconfidence and herd behaviour

Quantitative analysis showed EI predicts **37%** of investment behaviour variance. Qualitative insights added depth, confirming EI is not fixed but **developable over time**. Demographic factors such as age and experience were found to shape the impact of EI.

In summary, EI is a **critical factor** in financial behaviour. Incorporating EI into **education, fintech tools, and advisory practices** can significantly enhance investor decision-making and overall well-being.

5.2 Key Findings:

Insight	Description
EI Predicts Investment Behaviour	Higher EI leads to more rational and consistent decisions
Bias Mitigation	EI helps reduce overconfidence and herd behaviour
EI is Learnable	Many participants improved EI over time via experience and reflection
Demographic Influence	Age, gender, and experience shape how EI affects investment choices

Statistical Highlights:

- EI & Risk Tolerance: **Positive correlation**
- EI & Decision Consistency: **Positive correlation**
- EI & Bias Susceptibility: **Negative correlation**
- Regression ($R^2 = 0.37$): EI significantly predicts investment outcomes

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5.4 Recommendations For Individual Investors

- Practice mindfulness to enhance emotional awareness
- Track emotional triggers that influence investment decisions

For Financial Advisors

- Use EI assessments in client onboarding
- Educate clients about emotional traps (e.g., panic selling, anchoring)

For Fintech Platforms

- Add emotion-aware prompts (e.g., check-ins before risky trades)
- Flag impulsive patterns to promote reflection

For Policymakers & Educators

- Embed EI into financial literacy programs
- Promote campaigns focused on resilience during market uncertainty

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5.5 Conclusion:

Emotional intelligence is a **key predictor** of rational and effective investment decisions. It enhances risk perception, reduces emotional reactivity, and supports long-term strategy. As financial markets grow more complex, emotionally intelligent investors—grounded in **self- awareness, emotional regulation**, and **resilience**—are better equipped to thrive.

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Appendix:

Appendix A: Survey Questionnaire Section 1: Demographic Information Age: ___
Gender: Male / Female / Other Education Level:
High School Undergraduate Postgraduate Other:
Occupation: _____

Investment Experience (in years): _____

Section 2: Emotional Intelligence

(Use a 5-point Likert scale: 1 = Strongly Disagree to 5 = Strongly Agree) I know when to speak about my personal problems to others.
I find it hard to understand the non-verbal messages of other people. I have control over my emotions.
Section 3: Investment Decision-Making Behavior

I make investment decisions based on thorough research and analysis. I tend to follow the advice of others without independent verification. I often react emotionally to market fluctuations.

Appendix B: Statistical Output (SPSS/Excel Results)

This section includes selected tables from the data analysis phase. Table B1: Descriptive Statistics
Variable Mean Std. DeviationN Emotional Intelligence 3.84 0.56 150
Risk Tolerance 3.21 0.67 150

Decision Consistency 3.45 0.62 150 Table B2: Correlation Matrix
EI Risk Tolerance Consistency Emotional Intelligence 1.00 0.43 0.51
Risk Tolerance 0.43 1.00 0.38

Decision Consistency 0.51 0.38 1.00

Annexure:

Annexure I: Emotional Intelligence Scale (Adapted from Schutte et al., 1998)
Participants were asked to respond to the following statements on a 5-point Likert scale (1 = Strongly Disagree to 5 = Strongly Agree):

I find it easy to understand the emotions of others. I know why my emotions change.
I can handle stressful situations calmly.

I motivate myself even when things are tough.

I can read others' body language well.

Annexure II: Investment Behavior Indicators

Investors were evaluated on the following behavioral attributes:

Tendency toward herd behavior

Degree of overconfidence in investment decisions Reaction to losses vs. Gains (loss aversion) Frequency of portfolio reviews
Decision-making based on emotional impulses Annexure III: Consent
Participant Consent Statement

I voluntarily agree to participate in the research study titled "Emotional Intelligence and Investment Decision-Making." I understand that my responses will be used only for academic purposes, and my identity will remain confidential.

Signature: _____ Date: _____