

The Behavioral Biases of Individuals

1. INTRODUCTION

Traditional finance theories typically assume that:

- i. Individuals are rational
- ii. Markets are efficient

Behavioral finance challenges these assumptions

2. CATEGORIZATIONS OF BEHAVIORAL BIASES

Behavioral Biases

Cognitive Errors

- faulty cognitive reasoning
- easy to correct than emotional biases

Emotional Biases

- stem from impulse or intuition.
- errors based on feelings and emotions
- are difficult to correct.
- can be adapted not moderated

3. COGNITIVE ERRORS

Belief Perseverance Biases

The tendency to cling to one's previously held beliefs irrationally or illogically.

Types of Belief perseverance biases:

- i. Conservatism
- ii. Confirmation
- iii. Representativeness
- iv. Illusion of control
- v. Hindsight

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Processing Errors

irrational or illogical information processing in financial decision making.

Types of Processing Errors Biases:

- i. Anchoring & Adjustment
- ii. Mental Accounting
- iii. Framing
- iv. Availability

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**3.1
Belief Perseverance Biases**

**3.1.1
Conservatism
Bias**

Maintaining their prior beliefs by not incorporating new information properly.

Consequences:

- Maintain prior views
- Slow to react to new info.

Guidelines

- Look carefully at new info to determine its value.
- Seek expert's advice.

**3.1.2
Confirmation
Bias**

Focusing only on data that **confirms their beliefs** and ignoring info. that contradicts their beliefs.

Consequences:

- Focus only on confirmatory info.
- Develop biased screening criteria

Guidelines

- Look for contradictory info.
- Perform additional research

**3.1.3
Representativeness
Bias**

Typcasting new info. based on past experiences or labels. Its two types are:

- Base rate neglect
- Sample size neglect

Consequences:

- Overreact to new info.
- Update beliefs based on simple classification

Guidelines

- Conduct more research

**3.1.4
Illusion of
Control Bias**

Believing that they can **control outcomes**, when in fact they can't.

Consequences:

- Excessive trading & poor results.
- Less diversified portfolio.

Guidelines

- Look for contradictory views
- accept that investing is a probabilistic activity.

**3.1.5
Hindsight
Bias**

Overestimating 'afterwards' the likelihood of outcomes that have happened in the past.

Consequences:

- Unfair assessment of managers & performance
- Overrating one's own ability to predict

Guidelines

- Own your investment mistake
- Maintain records.

**3.2
Processing Errors**

**3.2.1
Anchoring &
Adjustment Bias**

Relying on **anchor** (initial info) to make subsequent decision.

Consequences:

- Stay close to their initial anchor value.

Guidelines

- Objectively examine new data.

**3.2.2
Mental
Accounting Bias**

Dividing one sum of money into different mental accounts.

Consequences:

- Invest inefficiently
- Treat income returns different from capital appreciation.

Guidelines

- Focus on total return
- Combine all assets at one spreadsheet.

**3.2.3
Framing Bias**

Responding differently based on how questions are **framed**.

Consequences:

- Risk averse – when presented with a gain frame
- Risk-seeking – when presented with a loss frame

Guidelines

- Be neutral & open minded in investment related issues.

**3.2.4
Availability Bias**

Placing too much weight on evidence that is **available** or **easily recalled**.

Four sources of this bias are:

- Retrievability: info.** easily retrieved.
- Categorization:** categorize info by using familiar classes.
- Narrow range of experience:**
- Resonance:** overweight outcome that **resonate** with their thinking.

Consequences:

- Pay attention to few specific points

Guidelines

- Conduct thorough research analysis
- Focus on long-term historical



