The Emotions and Cognitions Behind Financial Decisions: The Implications of Theory for Practice

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Prepared for presentation at the 2010 Annual Conference of the Financial Literacy Research Consortium November 18, 2010
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The research reported herein was performed pursuant to a grant from the U.S. Social Security Administration (SSA) funded as part of the Financial Literacy Research Consortium.

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Presentation Overview

- Abstract
- Key articles and overview
- theoretical constructs: financial decisions.
  - Overview of each theory
  - Motivations and constraints targeted
- Implications for financial literacy education
Project Report Abstract:

Financial decisions are compelled and constrained by non-financial factors. These include personality characteristics of individuals as well as the social environments in which decisions are made. This paper provides an overview of theories that seek to explain how non-financial factors influence financial decisions:

– Developmental Psychology,
– Crystallized and Fluid Intelligence,
– Behavioral Economics,
– Neuro-Brain Research,
– Culture of Poverty.

Our interest is in what these theories imply about the behavior of vulnerable, particularly low-income groups. The literature reviewed indicates the importance of emotions and feelings in decision making; these must be considered in developing and evaluating financial literacy education programs.
Suggested Key Readings


“Standard economic theory …describes a formal process for making rational decisions: People consider all the options available to them. They consider the outcomes of all these options and how advantageous each outcome would be. They consider the probabilities of each of these options. And then they make a decision. But can we really do this? …Many of decisions...are made because they “feel right.”


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“Behavioral impediments”*

- **Decision-making under ignorance**
  - Avoid decisions in areas feel comparatively ignorant
    > Relative to others and to their own knowledge in other areas
  - Rely on friends more often than those with expertise

- **Distortion of information in systematic ways**
  - Heuristics, rules of thumb, frequency validity
  - Status quo and default preferences

- **Lack of self-control and procrastination**
  - Hyperbolic discounting

* From Knoll (2010)
Emotions

- A mental state that arises spontaneously rather than through conscious effort and is often accompanied by physiological changes; a feeling: *the emotions of joy, sorrow, reverence, hate, and love*

- An emotion is defined as a collection of changes in body and brain states triggered by a dedicated brain system that responds to specific contents of one’s perceptions, actual or recalled, relative to a particular object or event (Damasio 1994, 1999).

Sources: [www.thefreedictionary.com/emotion](http://www.thefreedictionary.com/emotion); Damasio, 1999
DEVELOPMENTAL PSYCHOLOGY

_Psychoanalysis_—instinctive urges vs. social norms

_Psychosocial theory_—resolution of stage-related conflicts

_Learning Theory_—learned observable behavior

_Cognitive Development_—process between cause and behavior
MEASUREMENT OF COGNITION

- The measurement of intelligence
  More difficult in adults
  Complex intelligence
- Fluid and crystallized intelligence
  Fluid: *Experiences directly affect brain structure*
  Crystallized: *Education and acculturation*
Role of emotions in decision making
Activation when faced with low versus high risk
Learning from negative versus positive outcomes.

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CULTURE OF POVERTY

Culture: passing on of non-genetic traits (values, attitudes) over generations.

Persistent poverty: is economic status a cultural trait?

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Implications: Developmental Psychology

- Financial literacy is about imposing social norms—of individual responsibility for financial future.
- Social norms and individual urges may conflict.
- Behavior within families may reflect power, dependency.
- Childhood experiences are key to adult financial attitudes to social/financial institutions.
- Childhood experiences have lasting effects on conscious and unconscious mind.
- Time matters to effectiveness of reinforcers.
- Use of new information depends on existing cognition.
Implications: Measurement of Cognition

- Complexity and diversity of learning paths.
- Importance of early learning, yet financial education can persist throughout adulthood.
- Brain studies indicate:
  - Reaction to risk is not symmetric.
  - Sequencing of options matter
  - Behavior can be patterned to become automatic
- Underlying physical differences in neural pathways affect learning and reactions to stimuli
- Expectations matter to making sense of new information
Implications: Culture of Poverty

- Behavior influenced by social constraints and context.
- Importance of childhood experiences.
- Importance of community in developing behavioral patterns.
- Vulnerable have similar values but assess options in a different context?
Conclusions

- Financial education is psycho-socio-neuro-economics
- The brain is where information is processed, it is a complex, emotional, & physically programmed organ
- Early education within the family and community imposes norms and expectations.
- Financial education must take into account the larger context of individual and community values, misperceptions, fears and community goals.
- Vulnerability is a consequence of complex life experiences, norms, brain function.
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