

The Role of Affective Arousal in the Description-Experience Gap of Risky Decision Making: A Skin Conductance Response (SCR) Study



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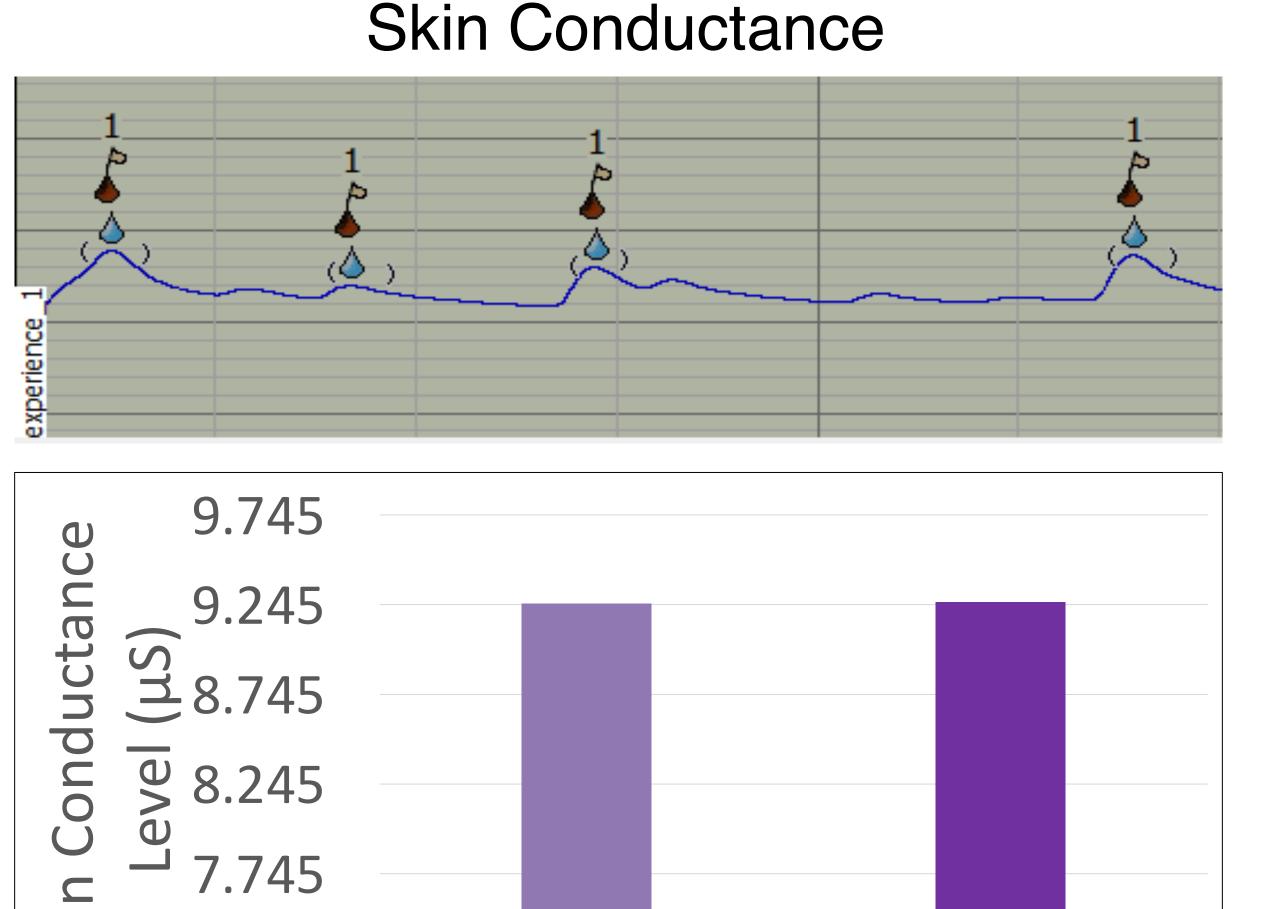
Background

Decisions From:

	Description	Experience
Gains:	Risk Averse	Risk Seeking
Losses:	Risk Seeking	Risk Averse
	Reflection	Reversal of
	Effect	Reflection Effect

- This reflection effect reversal may be partially explained by an increased level of affective arousal during decisions from experience
- Skin conductance responses (SCRs) are a physiological measure of arousal thought to reflect the affective evaluation processes of options during decision making
- Here, we use SCRs to compare arousal between decisions from description and decisions from experience

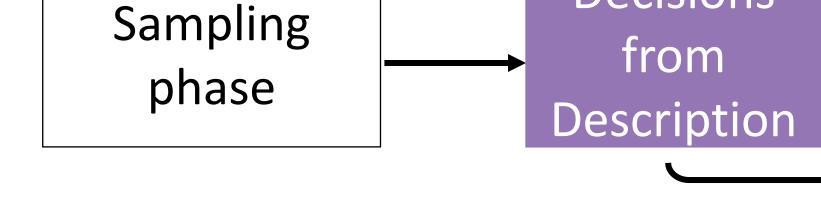
Preliminary Results (N = 5) Reflection Effect 0.2 0.05 Refle -0.05 -0.1



Tasks.

Decisions from Description

Win GAMBLE OR 20 Points Win 0 Win 40 Decisions



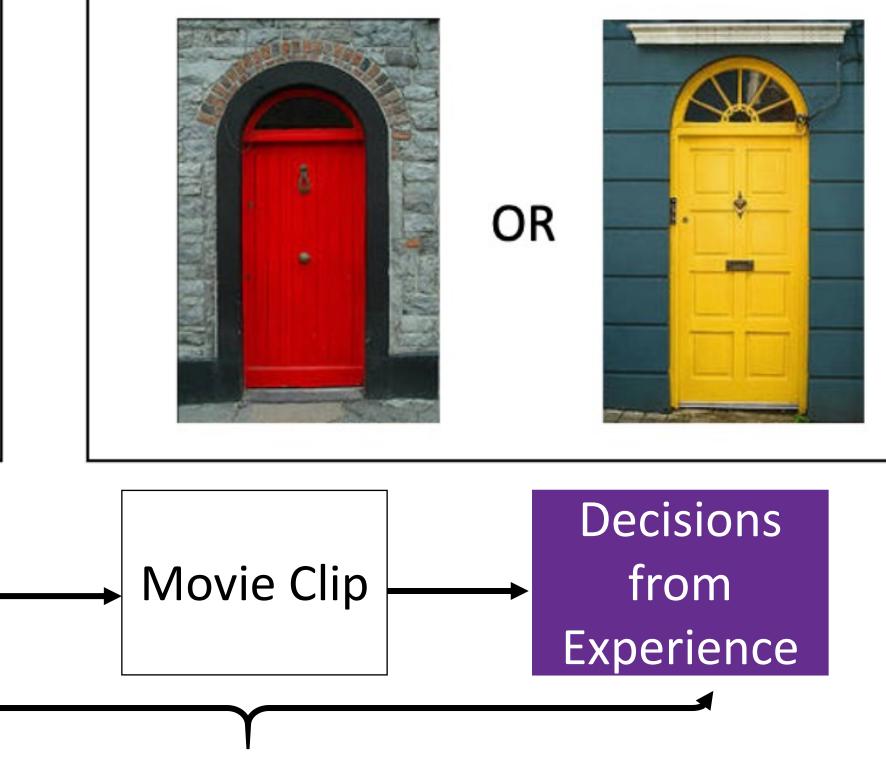
6 loops; Feedback provided after each run

Variables.

of Risky Choices Chosen $Gambling\ Quotients\ (GQ) =$ Total # of Choices $Reflection\ Score = Loss\ Trial\ GQs - Gain\ Trial\ GQs$

Method

Decisions from Experience

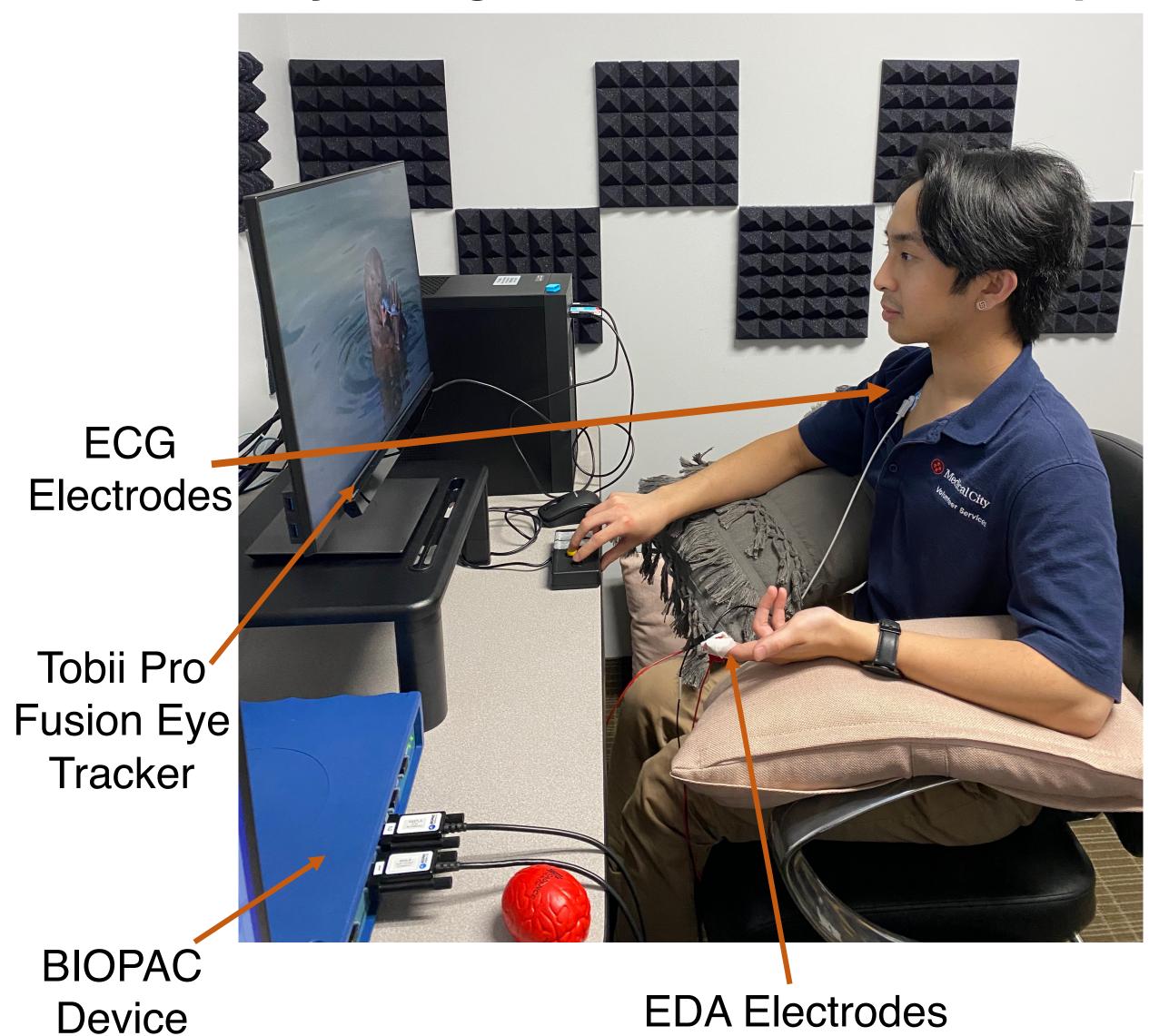


-0.15 Description Experience Description Experience

Expected

Physiological Measurement Setup.

Actual



Future Directions

Experience

- Analyze additional measures of affective arousal
 - Pupillometry

7.245

Heart rate activity

Description

- Subjective ratings
- Examine eye tracking data during choices
- Collect more data for pilot
- Preregister for full experiment

Contact Us!



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