

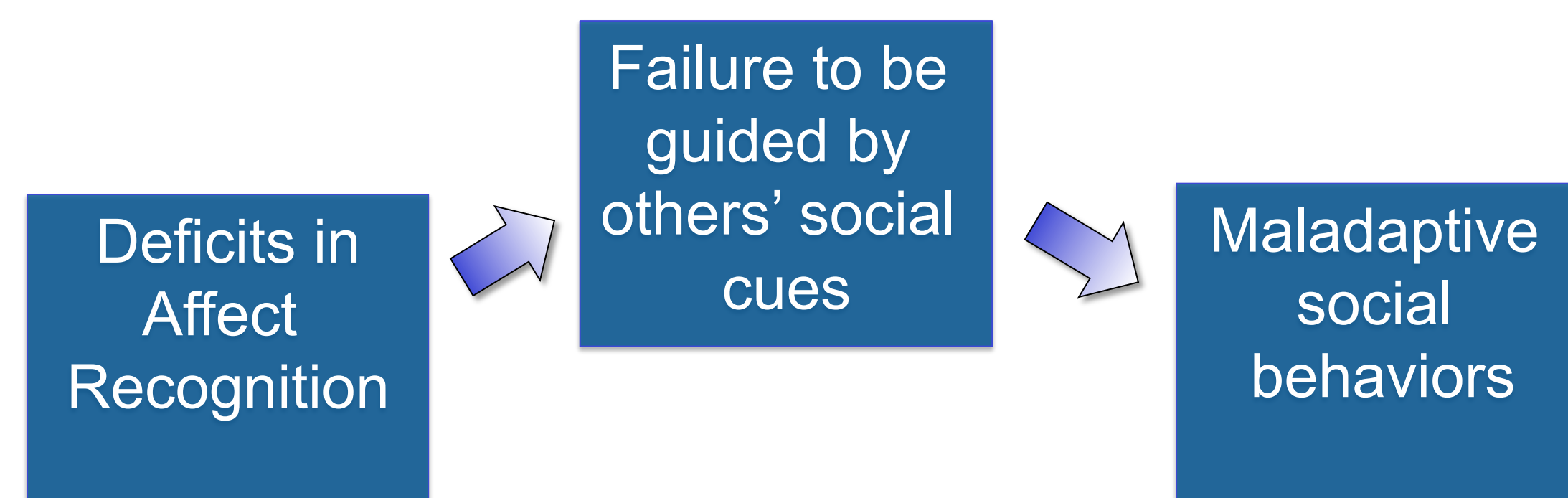
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Introduction

- Affect recognition (AR) is a sociocognitive skill that is crucial for socialization¹
- AR is related to prosocial and adaptive behavior in childhood²
- Deficits in AR, particularly the inability to recognize anger and fear, may be associated with the presence of maladaptive social behaviors^{3,4}



- Childhood externalizing behaviors also represent risk factors for the development of social problems later in life, such as delinquency, school failure, and substance abuse⁵
- Given that externalizing problems in childhood are related to later social problems, it appears important to identify which early factors may predict rule-breaking and aggressive behaviors
- The current study aims to investigate the contribution of affect recognition to rule-breaking and aggressive behaviors in childhood

Hypothesis

A poorer affect recognition will predict greater rule-breaking and aggressive behaviors

Method

Participants

- 76 typically developing children (41 girls) from middle-class families
- aged between 6 and 12 years old ($M = 9.2$ years old, $SD = 1.67$ years)

Measures

NEPSY II Affect Recognition subtest

- Measures children's ability to identify affect, discriminate between subtle emotional expressions, and their recognition memory for affect
- Children are asked to match photographs of children's faces displaying the same affect (e.g., happy, sad, angry).

Child Behavior Checklist (CBCL)

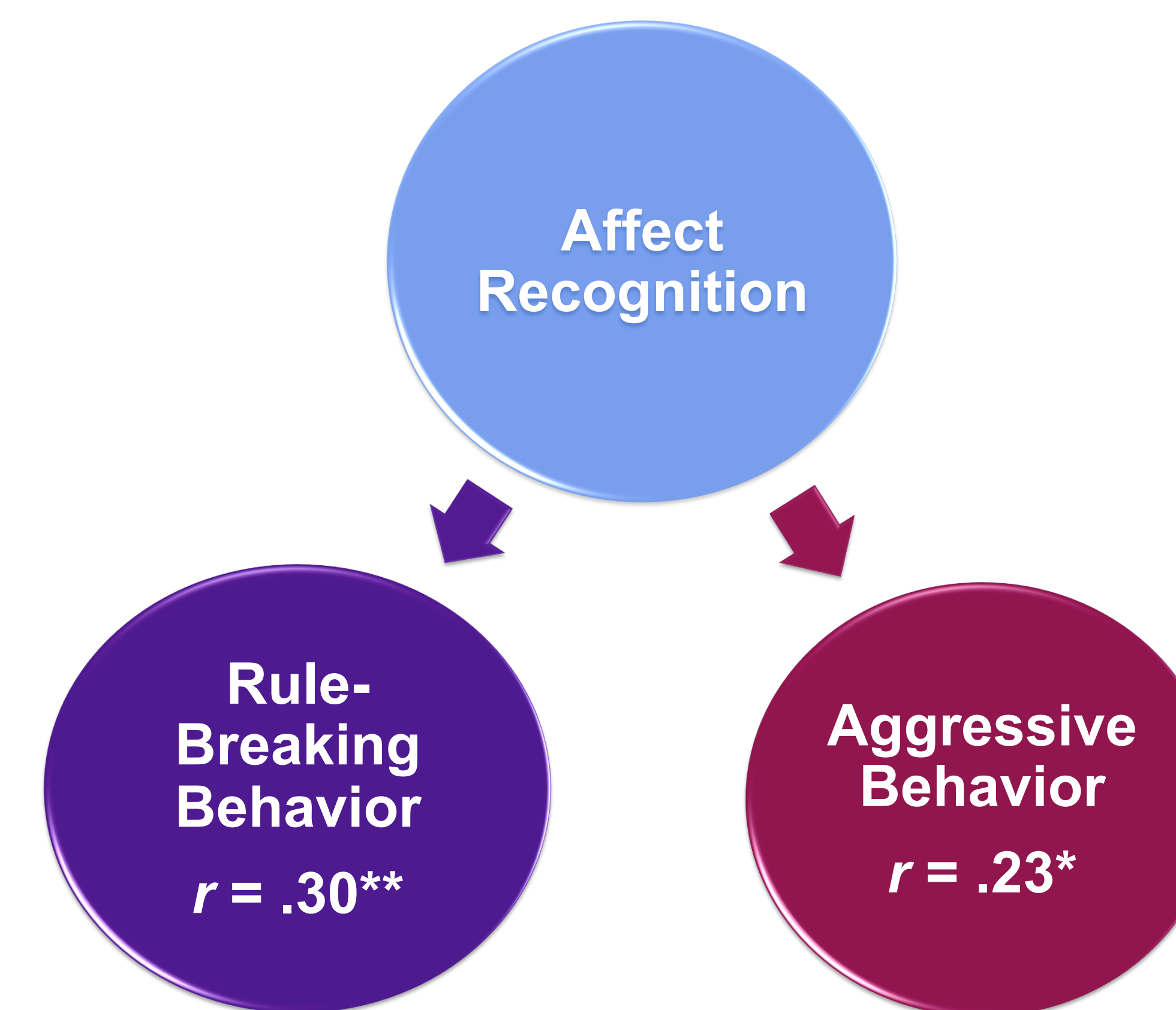
- Behavior problems in the last 6 months reported by the primary caregiver
- Rule-breaking behavior subscale
 - ex: Breaks his/her own things
- Aggressive behavior subscale
 - ex: Hurts other

Statistical analyses

- Two linear regressions were conducted to predict Rule-Breaking and Aggressive Behaviors based on Affect Recognition

Results

Correlations between Rule-Breaking and Aggressive Behaviors and Affect Recognition



* $p < .05$. ** $p < .01$.

Linear regression

Rule-Breaking Behavior

- A significant regression equation was found ($F(1,73) = 7.28$, $p = .009$)
- Rule-Breaking Behavior is negatively associated with Affect Recognition ($\beta = -.30$, $p = .009$)
- Affect Recognition predicts 9.1% of Rule-Breaking Behavior ($R^2 = .091$)

Aggressive Behavior

- A significant regression equation was found ($F(1,73) = 4.02$, $p = .049$)
- Aggressive Behavior is negatively associated with Affect Recognition ($\beta = -.23$, $p = .049$)
- Affect Recognition predicts 5.2% of Aggressive Behavior ($R^2 = .052$)

Discussion

- AR has been previously associated with social competence²
- Results indicate that AR predicts the rate of rule-breaking and aggressive behaviors among typically developing children
- Deficits in AR are more consistently related to externalizing problems in clinical populations than in normative populations²
- Emotion-based prevention programs show promise by improving affect recognition and decreasing externalizing behaviors in children at-risk⁴
- Results suggest that early intervention on emotion processing in childhood could lead to a decrease in rule-breaking and aggressive behavior in children

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