

# Internalizing Psychopathology Correlates with Emotion Regulation, but not IQ in Subclinical Undergraduates

# Introduction

- Past research has shown that emotion regulation competency and IQ are related to mental health (Gross & Munoz, 1995)
- Two commonly studied strategies of emotion regulation are cognitive reappraisal and expressive suppression (Gross & John, 2003)
- In Western samples, reappraisal is associated with better mental health outcomes while the opposite has been found for suppression
- One common method of categorizing psychopathology is by separating it into "internalizing" and "externalizing" dimensions (Kotov et al., 2017)
- Internalizing disorders involve negative affect, anxiety, and depression symptoms (Krueger et al., 1998)
- This study aims to confirm **the presence of an internalizing dimension** in subclinical undergraduates, and explore its **associations** with IQ and choice of emotion regulation strategies

Methods

### **Participants**

• 79 participants aged 18-35 years old from the "iNetworks" data set

#### Self-Report Psychopathology Surveys

- ASRS (Adult ADHD Self-Report Survey)
- PSQW (Penn State Worry Questionnaire)
- Behavioral Activation/Behavioral Inhibition Scale
- DAST (Drug Abuse Screening Test)
- ERQ (Emotion Regulation Questionnaire)
- CAPE (Community Assessment of Psychic Experience)
- 7 Up 7 Down Inventory
- STAI (State Trait Anxiety Inventory)
- MASQ (Mood and Anxiety Symptom Questionnaire)
- SAPA (Synthetic Aperture Personality Assessment)
- ICAR (International Cognitive Ability Resource)

### **Statistical Analysis**

• All statistical tests and figures were created using R

## Discussion

- While a significant negative correlation was found between internalizing symptom severity and cognitive reappraisal, a non-significant positive correlation was observed between expressive suppression and internalizing symptoms
- Consistent with past studies in Western samples, cognitive reappraisal was linked to lower internalizing symptoms (i.e., better mental health outcomes), while expressive suppression associated with higher internalizing symptoms
- Undergraduates' mental health may benefit from psychoeducation of cognitive reappraisal skills
- Did not replicate previous findings of a consistent relationship between psychopathology and IQ
- The relationship between psychopathology and IQ may not be as strong in undergraduates that are not currently diagnosed with a psychiatric disorder

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