## Exploring the relationship between mindfulness and episodic memory performance

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### Introduction

- Mindfulness and meditation has been widely practiced in Eastern cultures for centuries and has recently been adopted in the West as a holistic approach to improve well-being and quality of life.
- · Empirical evidence is needed to establish the link between mindfulness and quality of life, including its potential impact on cognitive functions such as episodic memory
- Episodic memory is a type of long-term, declarative, memory that relates to one's conscious recollection of past experiences.
- Mindfulness will be quantified using the Five Facet Mindfulness Questionnaire (FFMQ), which assesses different features of mindfulness.
- Episodic memory performance will be evaluated through two lab-based tasks that simulate memory processes in everyday experiences.

### **Research Questions**

- What is the relationship between mindfulness and episodic memory performance?
- Do any of the five facets of mindfulness facilitate episodic memory?
  - If so, which facets?

### **Hypothesis**

 Individuals who score higher on the Five Facet Mindfulness Questionnaire (FFMQ) will perform more accurately in the lab-based episodic memory tasks.

### **Methods**

# Five Facet Mindfulness Questionnaire Mindfulness Observe NonReact Describe NonJudae ActAware

- . Observing: The ability to attend to and recognize present moment experiences, such as physical sensations, thoughts, and emotions.
- 2. Describing: The ability to label and describe present moment experiences, particularly thoughts and emotions, in a non-judgmental way.
- 3. Acting with awareness: The ability to remain fully engaged and focused in the present moment while engaging in daily activities.
- 4. Non-iudaina: The ability to take an objective and non-evaluative stance towards one's own thoughts and emotions as they arise.
- 5. Non-reactivity: The ability to allow thoughts and emotions to come and go without becoming attached to them or getting caught up in them.



# **Anticipated Results** FFMQ & Exclusion Task Five Facets & Logical Memory Test

### **Experimental Design**

1. Logical memory test 2. Incidental encodina 3. Demographics 4. Logical memory test 5. Recognition phase of exclusion Task and FFMQ (Delayed recall) of exclusion task

### References

Déjà vu in unilateral temporal-lobe epilepsy is associated with selective familiatily impairments on experimental aius at fercognition menay. Neuropsychologia. 30(13), 2781–2791. https://doi.org/10.1016/j.neuropsychologia.2012.07.203. https://doi.org/10.1016/j.neuropsychologi

disease trials. Alzheimer's research & therapy, 8, 9. https://doi.org/10

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