

Introduction

- Derived relational responding (DRR) is behavior that looks to be guided by certain stimuli or relations among stimuli, in the absence of any previous experiences that could have directly established the relevant stimulus functions. Instead, they arise indirectly from other experiences.
- Example: You confidently turn into the parking lot by the white building behind the Texaco station, neither of which you have seen before, because that's what you were verbally told you could park.
- Although DRR may look novel, it has been proposed to be guided by private verbal or visual stimuli based on previous direct experience (e.g., Horne & Lowe, 1996; Miguel, 2018).
- Behavior that occurs during the initial direct experience may affect the availability of stimuli to effectively guide DRR; for example, visual imagining (Cox, 2022; Cox et al., in preparation) or verbal mnemonic strategies. Are some such strategies better than others?
- Visual imagining leads to better retention of word associations than verbal mnemonic strategies or verbal rehearsal (e.g., Bower & Winzenz, 1970), but these findings have not been extended to DRR tasks in published research.
- An unpublished pilot study found that both visual imagining and verbal mnemonic learning strategies produced similar enhancement of outcomes in a DRR task (Rohm et al., 2022). However, many participants reported not having followed their task instructions.
- The present study compared the effects of visual and verbal learning strategies on DRR performance when the strategies are performed overtly using paper and pen.

Participants

- 30 undergraduate students (18-23 years of age) were recruited from the psychology department's human participant pool
- Randomly assigned to three groups: Drawing, Mnemonic, and Copy (Control)
- SuperLab 6 software run on a computer in one of the research lab's offices with an experimenter present

Effects of Learner Behavior on Derived Stimulus Relations

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	Tact Training Trial: Sample	Tact Training Trial: Comparisons	
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