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### Accuracy of Recollection Without Rehearsal

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## Accuracy of Recollection Without Rehearsal

Dr. Scherling

Jen Bui, Carolyn Lowe, Ella Marks, Maddie Rowe

Priming refers to the influence of encountered objects on future responses to similar objects (Wang et. al., 2003). Cross-modality priming occurs when the stimuli are presented in one modality and tested within another (Marinis, 2018). However, there is not much research done on verbal and visual cross-modality priming. This study looks at the effects of cross-modality implicit priming on recall and recognition. Participants read 8 different priming stories. After each, participants completed a visual memory task where they looked at a slide of several images for 5 seconds, and then wrote which images they remembered. After this, they answered 2 questions about the story. This repeated for all 8 stories. After these tasks, participants completed a visual recognition task with 8 images that were primed and 8 novel images. They then completed a visual recognition task with 8 images that had been seen before but not primed, and 8 novel images. Lastly, they completed a visual recognition task with 8 images that related to the prime but had not been seen before, and 8 novel images. A within-subjects ANOVA was used for the primed images, and a within-subjects T test was used for the image recognition task. Results of this study are still being processed. These results provide more data for the effect of cross-modality priming, but more research needs to be done in this area.

Keywords: Cross-modality priming, recollection, recognition, forced-choice task, memory