

How and When does Perceptual Fluency Impact Predictions of Future Memory Performance? Skylar J. Laursen, Evan E. Mitton, Jasmyn Skinner & Christopher M. Fiacconi

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Background and Rationale

Judgments of learning (JOLs) refer to individuals' predictions of future memory performance based on their evaluation of prior learning.

Increased *perceptual fluency* (i.e., subjective ease of processing) has been shown to inflate individuals' JOL ratings.

Experience-based influences: JOLs can be impacted by in-the-moment processing experiences that reflect properties intrinsic to experimental stimuli (i.e. perceptual fluency).

Theory-based influences: JOLs can be impacted by deliberate applications of prior knowledge or beliefs concerning how a given experimental manipulation affects memory performance (i.e. a belief that more fluent stimuli are easier to remember).

Rationale

- Creating a manipulation of perceptual fluency that participants are unaware of
- Allows for examination of an exclusively experience-based influence of perceptual fluency on JOLs

Overview of Methods and Procedure





Training Phase



JOL Phase Experiment 1



Experiment 1 (n=36)



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2a. Increased the saliency of the perceptual fluency of the primed letter set



2b. Added pronunciation requirement and sequential presentation



2c. Removed pronunciation requirement and yoked presentation times to Experiment 2b



Removed pronunciation requirement and yoked presentation times to Experiment 1 Used traditional JOL ratings





