

The role of retrieval during study: Evidence of reminding from self-paced study time and overt rehearsal

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What is reminding?

The potential for events to effect retrieval of similar, earlier events.

The reminding effect:

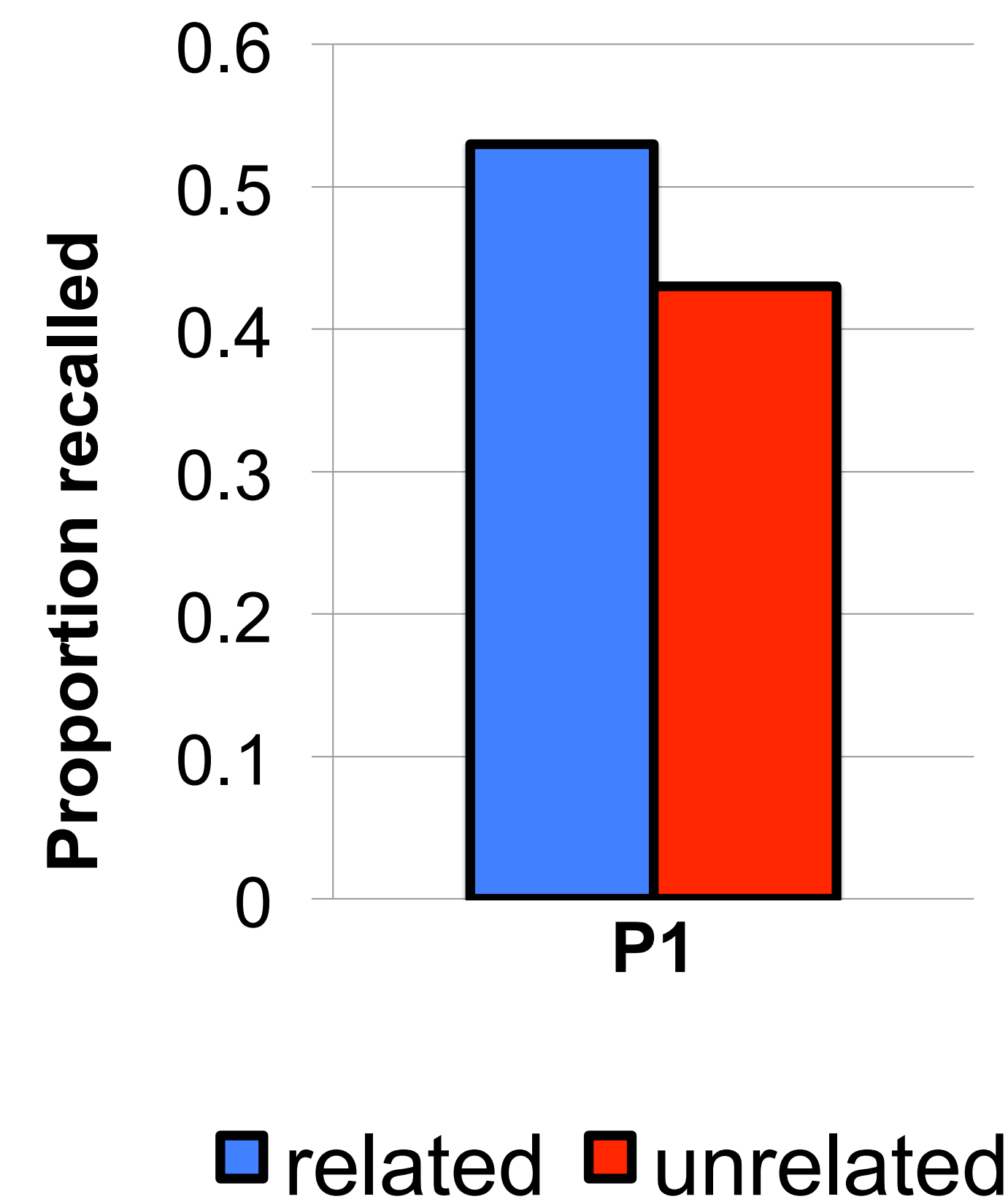
Memory for a stimulus (P1) is superior when followed somewhere in the list by a related stimulus (P2) (Tullis et al., 2014).

Current motivation:

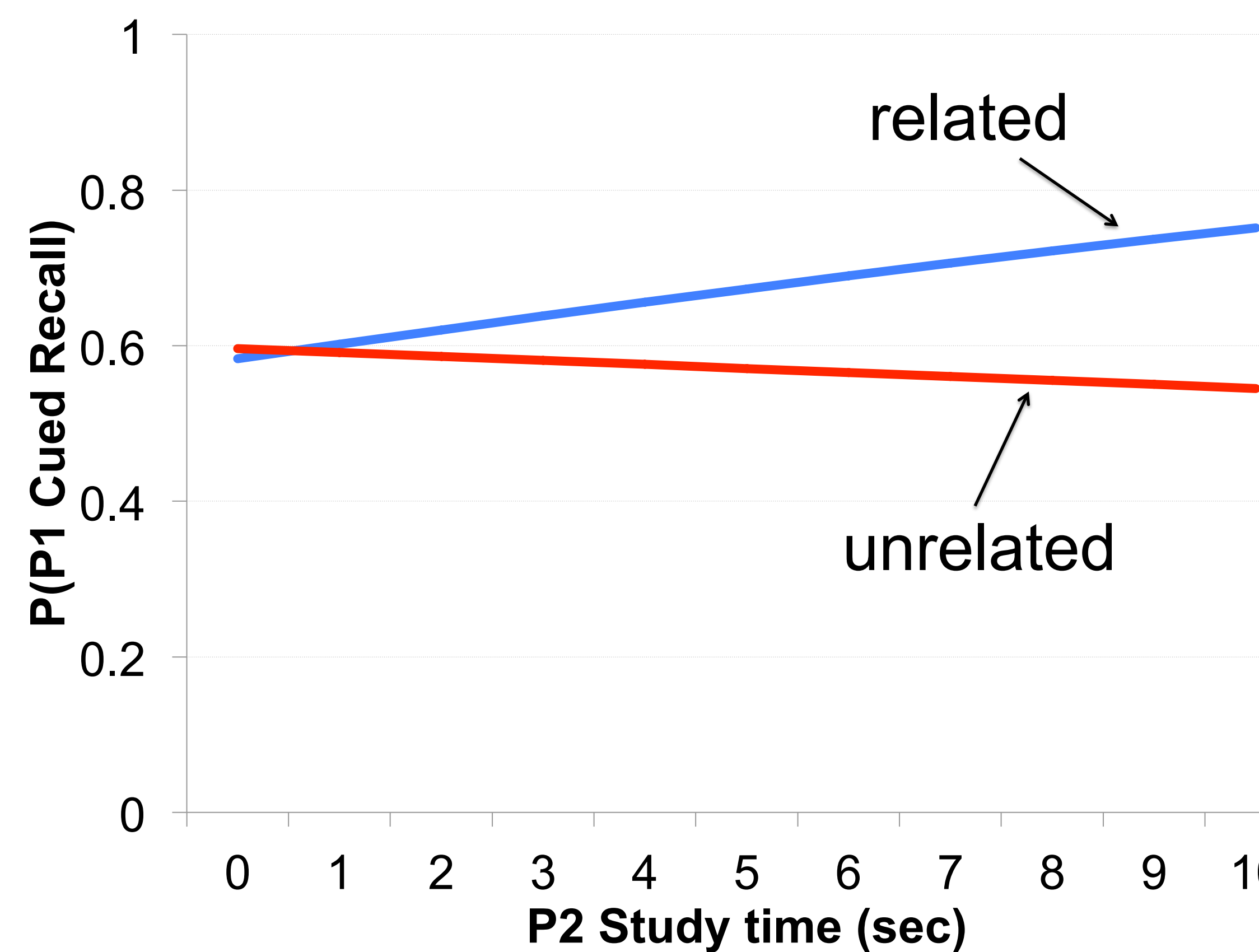
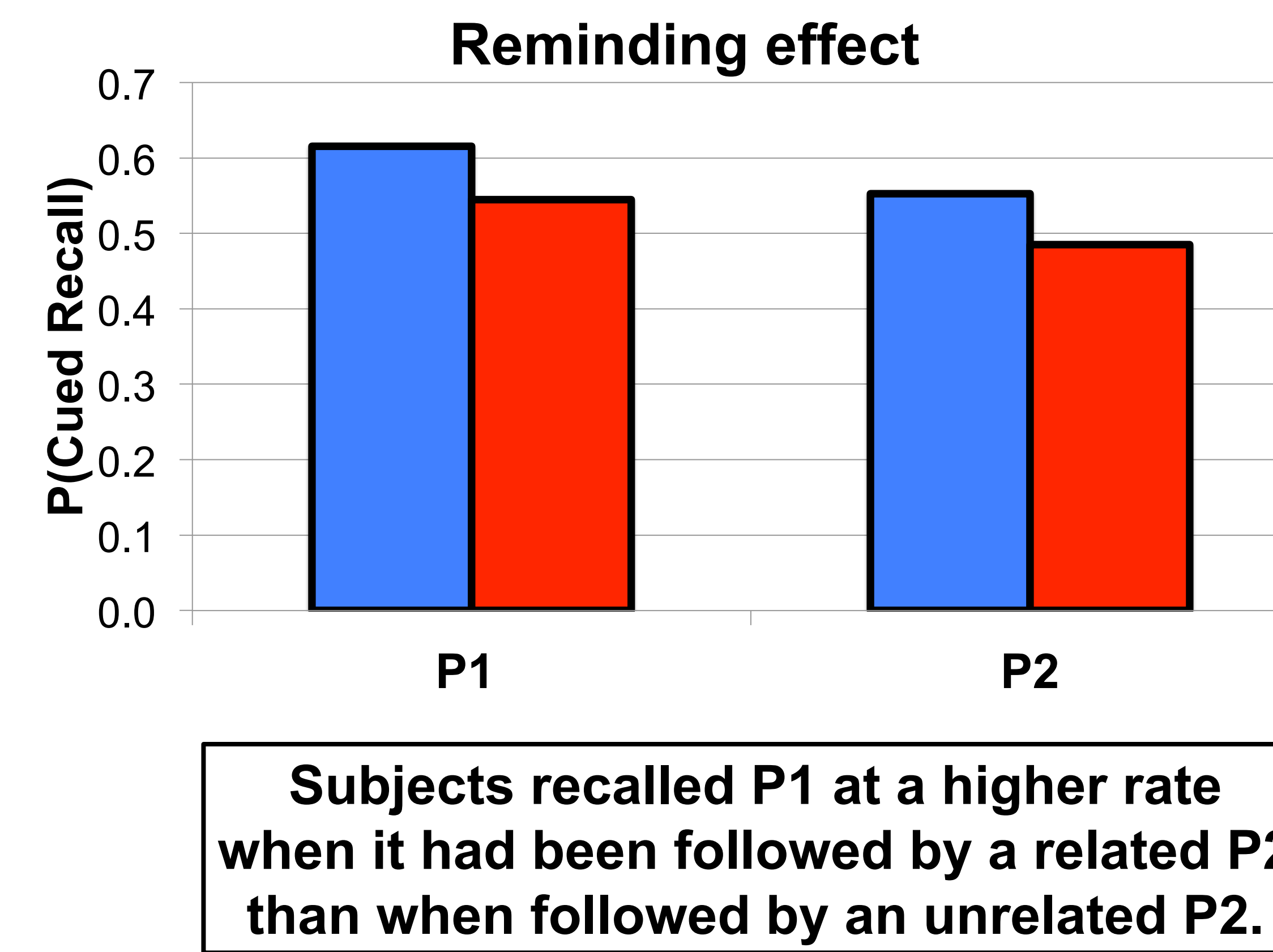
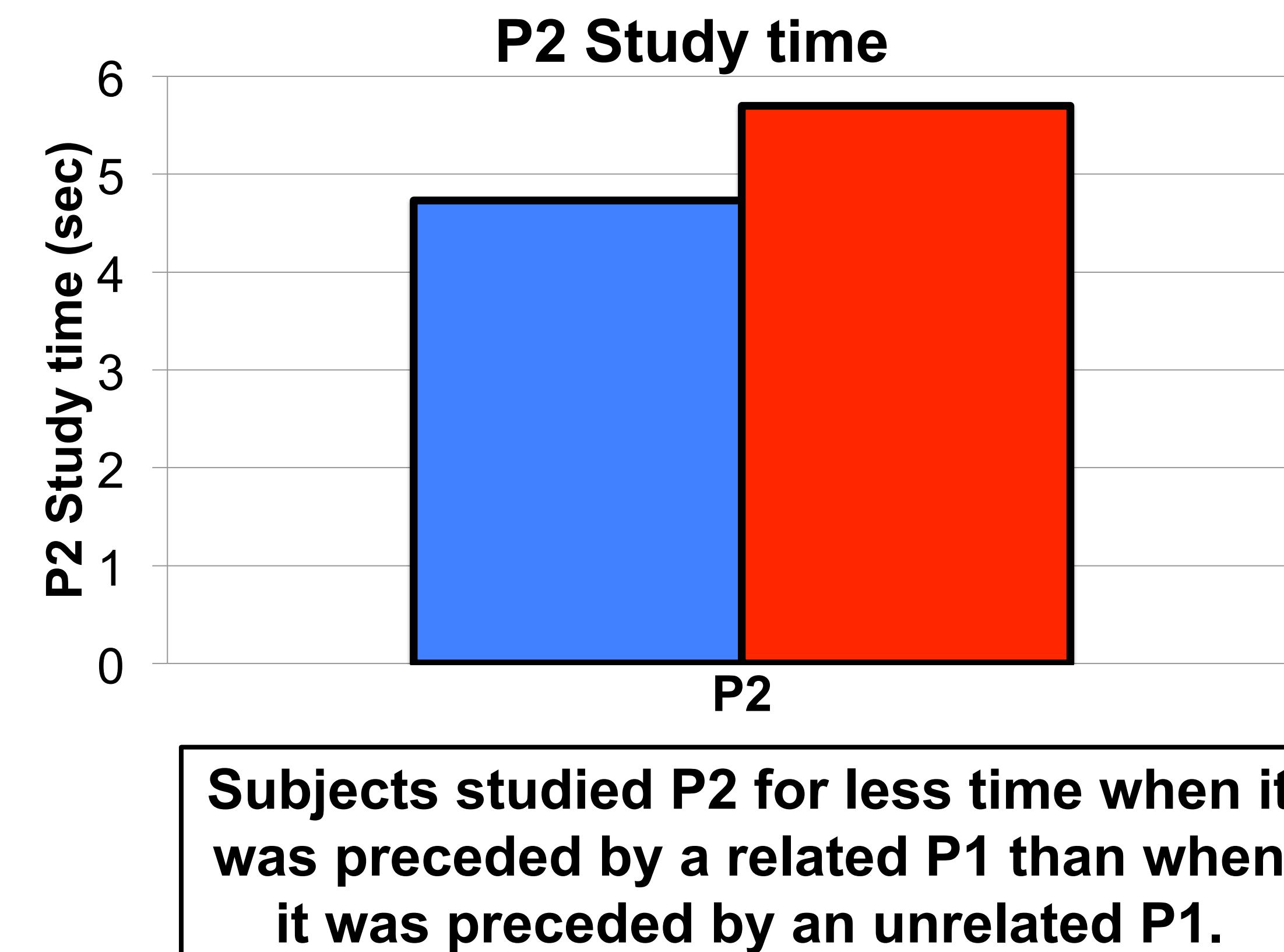
Extant research on reminding relies entirely on measures collected during later memory tests.

The current project sought evidence of reminding *at the time of reminding*, during study.

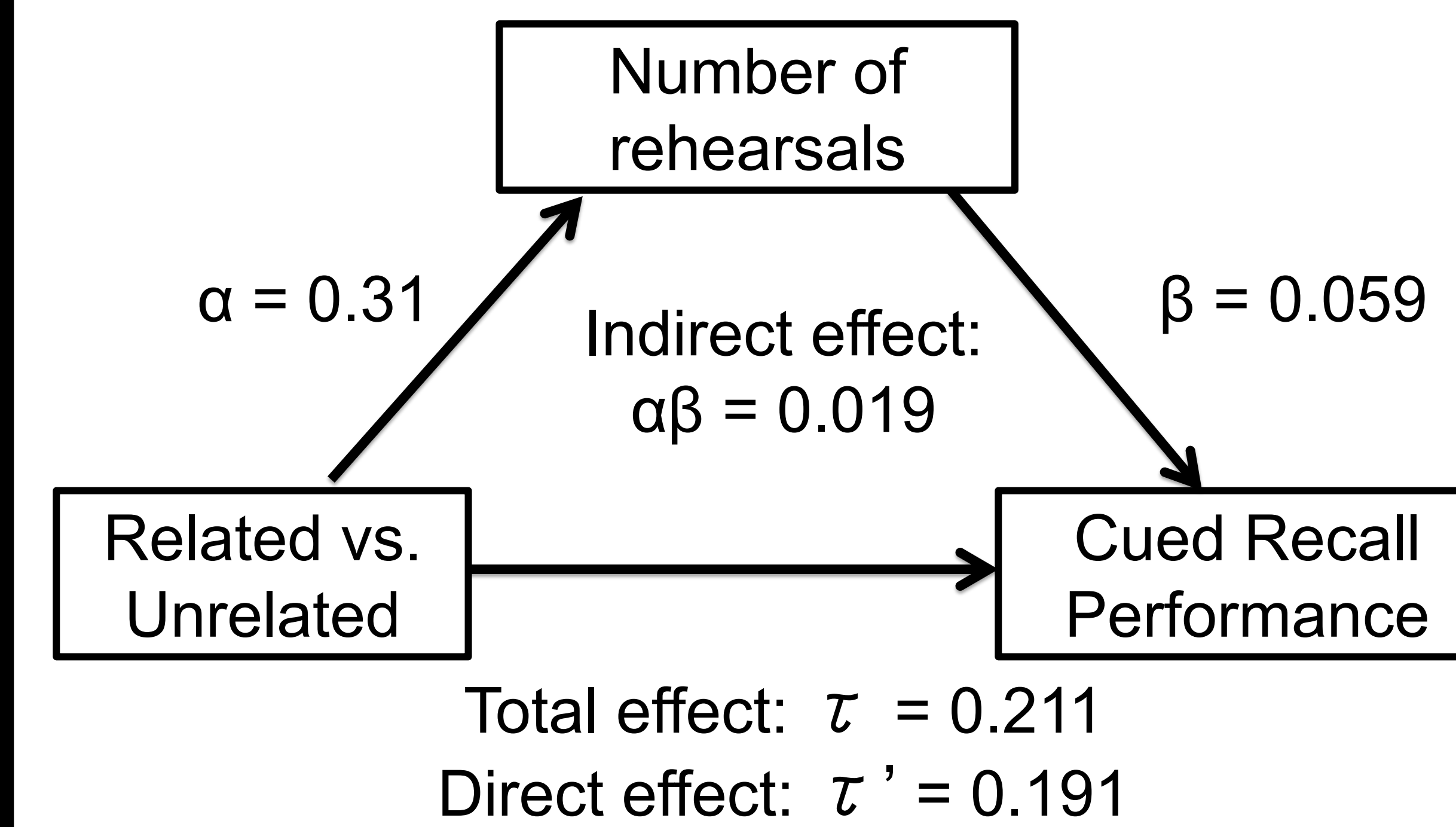
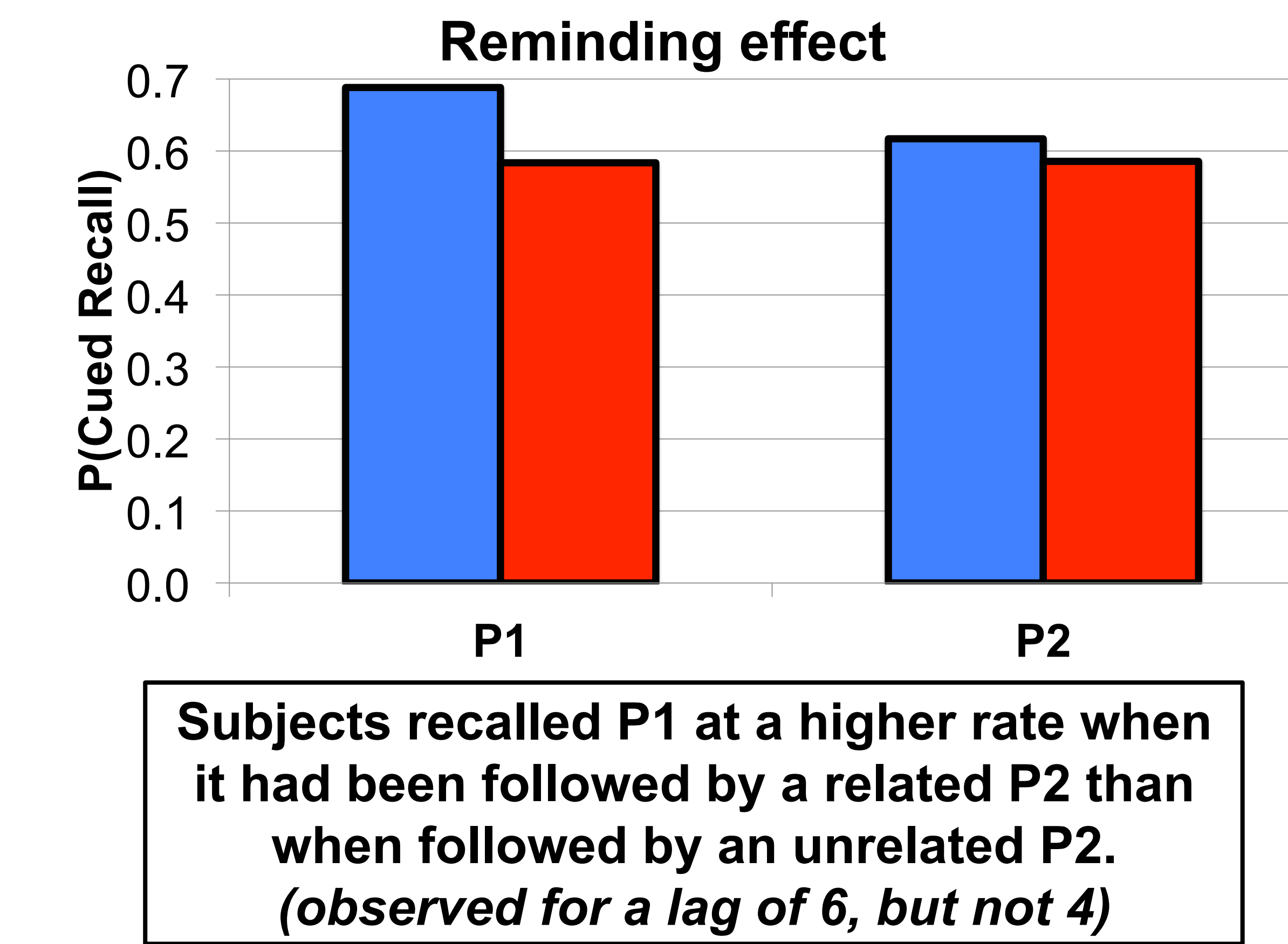
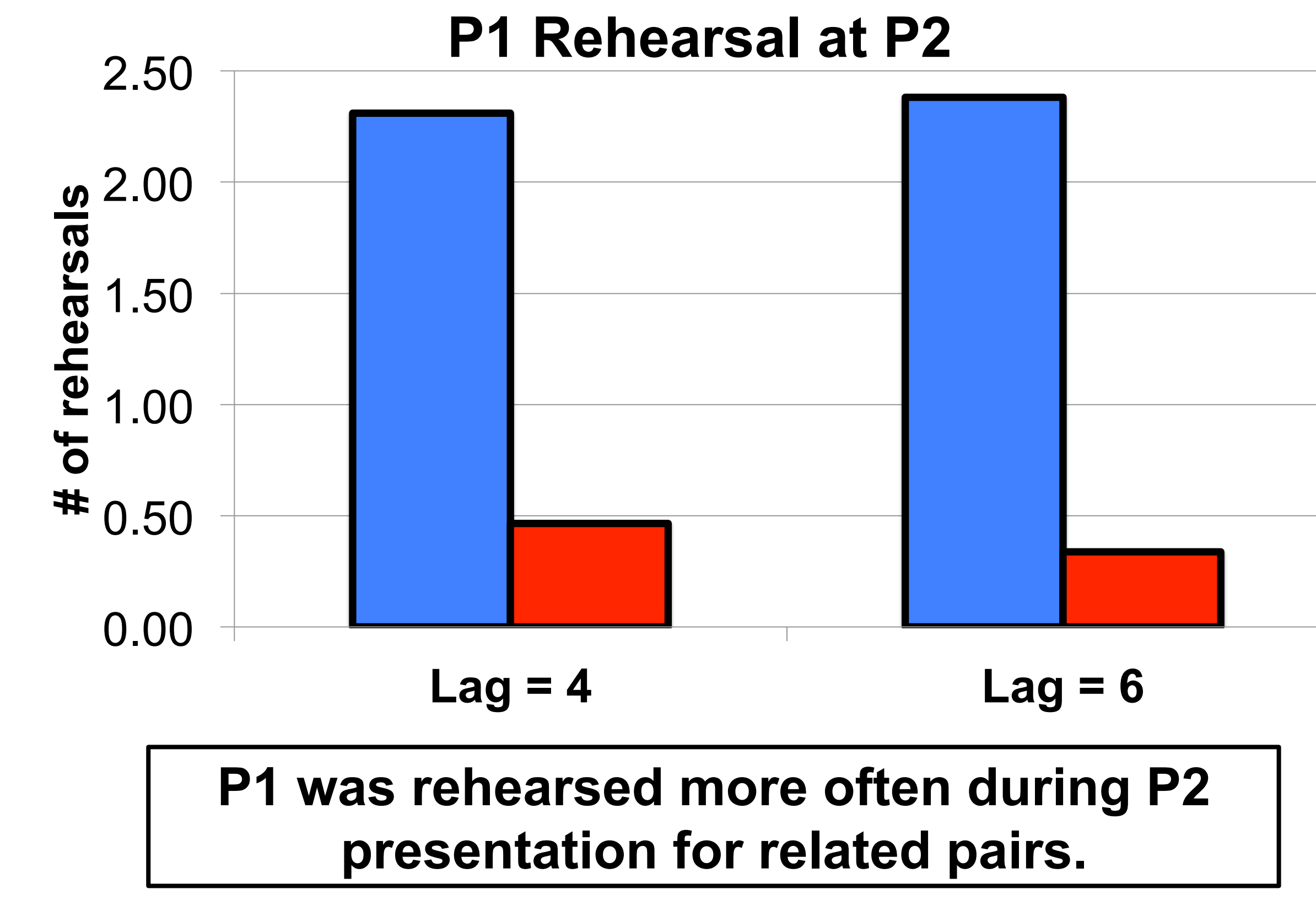
The reminding effect



Experiment 1: Self-paced study time



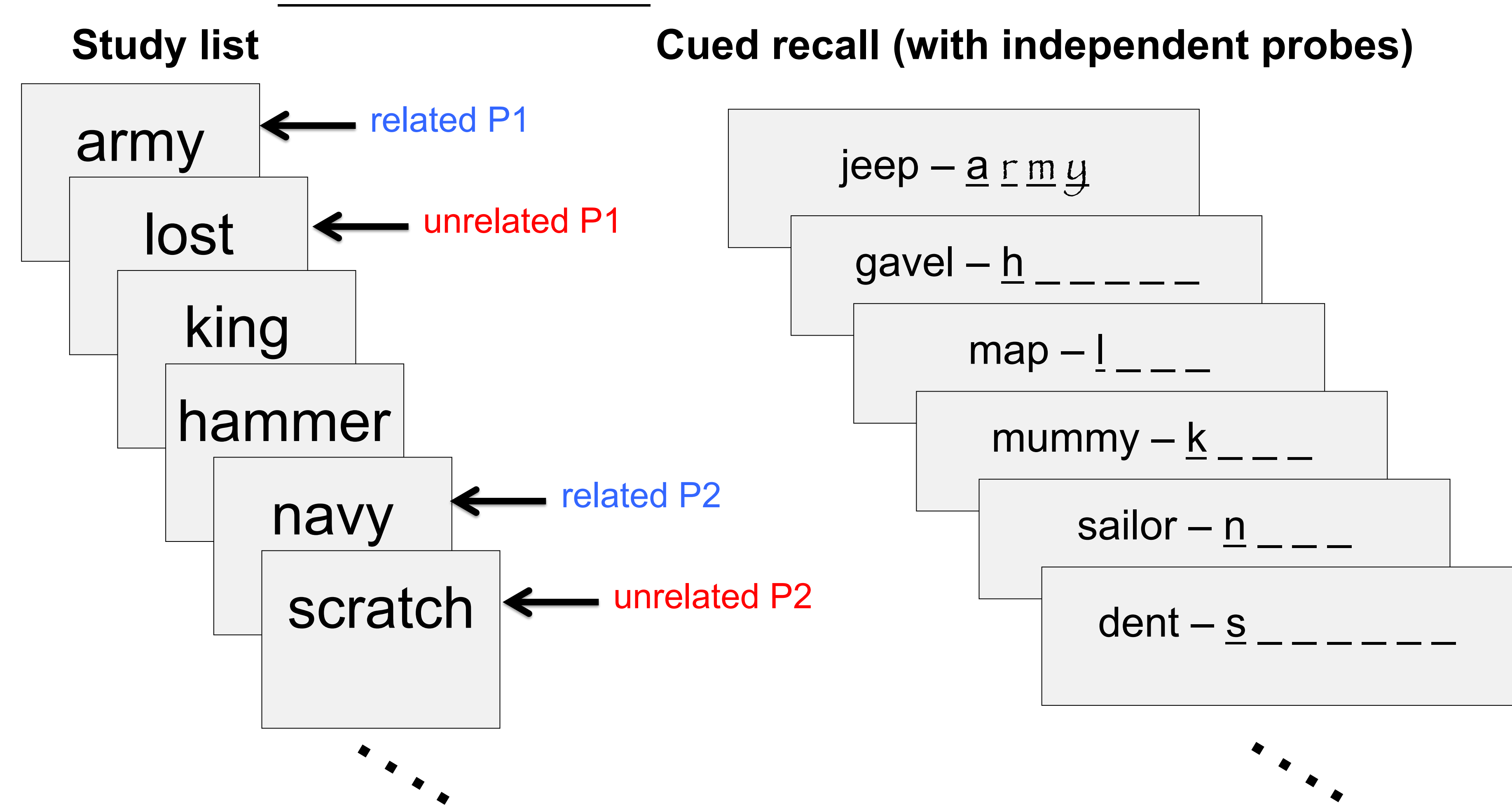
Experiment 2: Overt rehearsal



Condition predicted the number of rehearsals and cued recall performance.

The extra rehearsal given to a related item (partially) mediated the relationship between condition and memory performance.

General Procedure



Conclusions

Participants spent less time studying a word when it was related to a previously studied item, and the time spent on P2 was related to memory for P1.

Participants rehearsed previously studied words when presented with related words later in the list, and these additional rehearsals enhanced memory for those earlier items.

Taken together, measures taken during encoding reveal how learners allocate study resources in a manner consistent with the principles of reminding theory (Benjamin & Tullis, 2010).