

Actively testing hypothesis using acquired information during encoding enhances delayed memory. Xinxu Shen¹, Ian C. Ballard², Vishnu P. Murty¹, David V. Smith¹ ¹Department of Psychology, Temple University ²University of California, Berkeley

Purpose

- People are motivated to actively seek information because information itself is of value¹.
- People prefer to know information in advance even if there are costs associated with information, independent of its utility².
- Acquired information can be used for hypothesis testing to resolve uncertainty as people update information value³.
- Information seeking enhances memory⁴, but we don't know relationship between hypothesis testing and memory

How does hypothesis testing and adaptively updating value of information influence memory encoding state?



*C – Control condition







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