William J. Hopper *Curriculum Vitae*

Department of Psychological & Brain Sciences
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EDUCATION

Ph.D. Psychology, 2019 (expected) University of Massachusetts**,** Amherst, MA
Advisor: Dr. David Huber
Thesis: Testing the convergent retrieval learning theory of testing effects

M.S. Psychology, 2015 University of Massachusetts: Amherst, MA
Advisor: Dr. David Huber
Thesis: The primary and convergent retrieval model of memory

B.S. Psychology, 2011 University of California, San Diego
Departmental Honors

RESEARCH TOPICS

Episodic memory, perception, computational cognitive modeling

PUBLICATIONS

Peer-Reviewed Journal Articles

Hopper, W. J., & Huber, D. E. (2019). Testing the PCR model of recall: Recall practice produces faster recall success but also faster recall failure. *Memory and Cognition*, 1–26.

Hopper, W. J., & Huber, D. E. (2018). Learning to recall: Examining recall latencies to test an intra-item learning theory of testing effects. *Journal of Memory and Language*, 102, 1-15.

Hopper, W. J., Finklea, K. M., Winkielman, P., & Huber, D. E. (2014). Measuring sexual dimorphism with a race-gender face space. *Journal of Experimental Psychology: Human Perception and Performance*, 40(5), 1779-1788.

Peer-Reviewed Conference Proceedings

Hopper, W. J., & Huber, D. E. (2016). The Primary and Convergent Retrieval Model of Recall. In Papafragou, A., Grodner, D., Mirman, D., & Trueswell, J.C. (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. (pp. 1235-1240) Austin, TX: Cognitive Science Society.

Book Chapters

Huber, D. E., Tomlinson, T. D., Jang, Y., & **Hopper, W. J.** (2015). The search of associative memory with recovery interference (SAM-RI) memory model and its application to retrieval practice paradigms. In *Cognitive Modeling in Perception and Memory: A Festschrift for Richard M. Shiffrin*. Psychology Press, Chp. 5.

PRESENTATIONS

Conference Presentations

Hopper, W. J., & Huber, D. E. (2018). Guided convergent retrieval practice enhances feature-cued object recall. *Context and Episodic Memory Symposium*, Philadelphia, Pennsylvania.

Hopper, W. J., & Huber, D. E. (2016). The primary and convergent retrieval model of recall. *Context and Episodic Memory Symposium*, Philadelphia, Pennsylvania.

Conference Poster Presentations

Hopper, W. J. & Huber, D. E. (2018). Guided Convergent Retrieval Practice Enhances Object Recall. *57th Annual meeting of the Psychonomic Society*, New Orleans, LA

Hopper, W. J. & Huber, D. E. (2016). The primary and convergent retrieval model of recall. *38th Annual Conference of the Cognitive Science Society.*

Hopper, W. J. & Huber, D. E. (2016). The primary and convergent retrieval model of recall. *57th Annual meeting of the Psychonomic Society*, Boston, Massachusetts.

Hopper, W. J., & Huber, D. E. (2015). The Short-term Cost of Retrieval Failure. *Context and Episodic Memory Symposium*, Philadelphia, PA.

Hopper, W. J., & Huber, D. E. (2014*).* A Recovery Learning Account of the Testing Effect. *Context and Episodic Memory Symposium*, Philadelphia, PA.

Hopper, W. J., Finklea, K. M., Winkielman, P., & Huber, D. E. (2013). A Race and Gender Face Space. *54th annual meeting of the Psychonomic Society*, Toronto, ON, Canada.

Hopper, W. J., Finklea, K. M., Winkielman, P., & Huber, D. E. (2013). Decorrelating face attributes: A race-gender face space. *University of Massachusetts Life Sciences Graduate Conference.*

TEACHING

Undergraduate Teaching

Course Instructor

Cognitive Psychology (Spring 2019)

Developing Behavioral Experiments (Summer 2018)

Lab Section Instructor

Statistics in Psychology (Spring 2014, Fall 2014, Spring 2015)

Methods of Inquiry in Psychology (Fall 2013)

Discussion Section Instructor

Interdisciplinary Directions in Psychology (Fall 2018)

Lecture Teaching Assistant

Learning and Thinking (Spring 2016 – Fall 2018)

Graduate Teaching

Lab Section Instructor

Statistical Inference in Psychology I & II **(**Fall 2015 – Spring 2018)

Lecture Teaching Assistant

Bayesian Data Analysis (Fall 2015)

FUNDING & AWARDS

15th Neural Computation and Psychology Workshop Estes' Fund Travel Award
$250

Continuing and Professional Education Course Development Grant
$5,000
Created and taught new undergraduate course "Developing Behavioral Experiments" which teaches students how to program behavioral experiments with Python.

OUTREACH & COMMUNITY ACTIVITY

Graduate Women in Science "Soundbytes Café" presentation at Amherst Regional Middle School

Founder & President of the Psychological and Brain Sciences Developers Club

PROFESSIONAL SERVICE

Ad-hoc Reviewer for the *Quarterly Journal of Experimental Psychology*

TECHNICAL SKILLS

Programming Languages

Skilled: R, MATLAB
Experienced: Python, SQL
Familiar: Bash, Javascript, Stan, JAGS

Experiment Toolkits

Psychtoolbox, Expyriment

Version Control

Git, GitHub

REFERENCES

David E. Huber – Professor, Psychological and Brain Sciences
University of Massachusetts, Amherst
Email: dehuber@psych.umass.edu

Jeffrey Starns - Associate Professor, Psychological and Brain Sciences
University of Massachusetts, Amherst
Email: jstarns@psych.umass.edu

Andrew L. Cohen– Associate Professor, Psychological and Brain Sciences
University of Massachusetts, Amherst
Email: acohen@psych.umass.edu