Maria M. Robinson

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EDUCATION

Postdoc in Cognitive Psychology UNIVERSITY OF CALIFORNIA, SAN DIEGO	2019-2024
 Ph.D. in Attention and Perception Minor in Cognitive and Quantitative Psychology UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN 	2013-2019
 M. A. in Behavior Science, focus on Decision-making Joint research with Graduate School of Business UNIVERSITY OF CHICAGO 	2008-2009
 B. A. Triple Major in Psychology (Honors), English, Philosophy UNIVERSITY OF IOWA 	2004-2008

RESEARCH AREAS

- · Memory, attention, and decision-making
- Integrative theories of cognition
- Mathematical psychology
- Best practices in measurement and theory assessment in psychology

AWARDS AND FELLOWSHIPS

 F32 Individual National Research Service Award NATIONAL INSTITUTE OF HEALTH 	2021-2024
SBE Postdoctoral Research Fellowship (declined) NATIONAL SCIENCE FOUNDATION	2021-2023
Graduate Dissertation Completion Fellowship UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN	2018-2019
 List of Teachers Ranked as Excellent by Their Students UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN 	2015
 Iowa Center for Research (ICRU) Research Fellowship UNIVERSITY OF IOWA 	2007-2008

JOURNAL PUBLICATIONS

28. Robinson, M. M., Wixted, J. E., Williams, J. R., & Brady, T. F. (accepted). Zooming in on what counts as core and auxiliary in theory assessment: A case study on recognition models of visual working-memory. *Psychonomic Bulletin and Review.*

- 27. Brady, T. F., Robinson, M. M., & Williams, J. R. (2024). Noisy and hierarchical visual memory across time scales. *Nature Reviews Psychology*.
- 26. Robinson, M. M., DeStefano, I., Vul, E., & Brady, T. F. (2023). Local but not global graph theoretic measures of semantic networks generalize across tasks. *Behavior Research Methods*.
- 25. Robinson, M. M., DeStefano, I., Vul, E. & Brady, T. F. (2023). How do people build up visual memory representations from sensory evidence? Revisiting two classic models of choice. *Journal of Mathematical Psychology.*
- 24. Robinson, M. M., & Brady, T. F. (2023). A quantitative model of ensemble perception as summed activation in feature space. *Nature Human Behavior.*
- 23. Brady, T. F., Robinson, M. M., Williams, J. R., & Wixted, J. (2023). Measuring memory is harder than you think: How to avoid problematic measurement practices in memory research. *Psychonomic Bulletin and Review.*
- 22. Robinson, M. M., & Steyvers, M. (2022). Linking computational models of two core tasks of cognitive control. *Psychological Review.*
- 21. Williams, J.*, Robinson, M. M.*, & Brady, T. F. (2022). There is no theory-free measure of "swaps" in visual working memory experiments. *Computational Brain and Behavior.*
- 20. Williams, J., Robinson, M. M., Schurgin, M., Wixted, J. T., & Brady, T. F. (2022). You can't count how many items people remember in working memory: The importance of signal detection-based measures for understanding change detection performance. *Journal of Experimental Psychology: Human Perception and Performance.*
- 19. Goldenberg, A., Schone, J., Huang, Z., Sweeny, T. D., Levari, D., Ong, D. C., Zaki, J., Brady, T. F., Robinson, M. M., & Gross, J. J. (2022). Amplification in the evaluation of emotional expressions over time. *Nature Human Behavior*.
- 18. Regenwetter, M., & Robinson, M. M. (2022). Reply to commentaries: Why should we worry about scientific conjunction fallacies? *Decision*.
- 17. Regenwetter, M., Robinson, M. M., & Wang, C. (2022). Four internal inconsistencies in Tverksy and Kahneman's (1992) Cumulative Prospect Theory paper: A case study in ambiguous theoretical scope. Advances in Methods and Practices in Psychological Science.
- 16. Regenwetter, M., Robinson, M. M., & Wang, C. (2022). Are you an exception to your favorite decision theory? Behavioral decision research is a huge Linda problem! *Decision*.
- 15. Lively, Z., Robinson, M. M., & Benjamin, A. S. (2021). Memory strength reveals qualitative changes in interactions between items in visual working memory. *Psychological Science*.
- 14. Akan, M., Robinson, M. M., Mickes, L., Wixted, J. T., & Benjamin, A. S. (2020). The effect of lineup size on eyewitness identification accuracy. *Journal of Experimental Psychology: Applied.*

13. Robinson, M. M., Benjamin, A. S., & Irwin, D. E. (2020). Is there a K in capacity? Evaluating the discrete-slot model of visual short-term memory. *Cognitive Psychology.*

- 12. Regenwetter, M., & Robinson, M. M. (2019). Tutorial: Nuisance or substance? Leveraging heterogeneity of preferences. *The Spanish Journal of Psychology.*
- 11. Robinson, M. M., & Irwin, D. E. (2019). Are there two visual short-term memory stores? A state-trace analysis. *Journal of Mathematical Psychology.*
- 10. Regenwetter, M. & Robinson, M. M. (2018). The construct-behavior gap revisited: Reply to Hertwig and Pleskac. *Psychological Review.*
- 9. Robinson, M. M., Clevenger, J., & Irwin, D. E. (2018). The action is in the task-set not in the action. *Cognitive Psychology.*
- 8. Irwin, D. E. & Robinson, M. M. (2018). How post-saccadic target blanking affects the detection of stimulus displacements across saccades. *Vision Research*.
- 7. Regenwetter, M., & Robinson, M. M. (2017). The construct-behavior gap in behavioral decision research: A challenge beyond replicability. *Psychological Review.*
- 6. Robinson, M. M., & Irwin, D. E. (2017). Conscious error perception: The impact of response interference from a secondary task. *Attention, Perception, & Psychophysics*.
- 5. Irwin, D. E., & Robinson, M. M. (2016). Perceiving a continuous visual world across voluntary eye blinks. *Journal of Experimental Psychology: Human Perception and Performance.*
- 4. Robinson, M. M., & Irwin, D. E. (2016). Shifts of attention bias awareness of voluntary and reflexive eve movements. *Experimental Brain Research*.
- 3. Irwin, D. E., & Robinson, M. M. (2015). Detection of stimulus displacements across saccades is capacity limited and biased in favor of the saccade target. *Frontiers in Systems Neuroscience.*
- 2. Irwin, D. E., & Robinson, M. M. (2014). Perceiving stimulus displacements across saccades. *Visual Cognition.*
- 1. Robinson, M. M., & Morsella, E. (2014). The subjective effort of everyday mental tasks: Attending, assessing, and choosing. *Motivation and Emotion.*

CHAPTERS

1. Robinson, M. M., Poehlman, T. A., & Morsella, E. (2012). The subjective aspects of agency, cognitive control, and self-regulation: Findings from the action and consciousness laboratory. *Consciousness: States, Mechanisms, & Disorders.*

CONFERENCE TALKS AND POSTERS

18. Robinson, M. M. (2023, November). Formally linking computational models of attentional control tasks can help validate measures and constrain theory. *Talk presented at the Attentional control as a psychometric construct: Challenges and responses, Symposium, Psychonomic Society Conference.*

17. Robinson, M. M., Brady, T. F. (2023, November). Metacognition as direct readout. *Talk presented at the Psychonomic Society Conference*.

- 16. Brady, T. F., Robinson, M. M. (2023, May). Visual similarity structure a priori predicts memory errors for novel high-dimensional face stimuli. *Poster presented at the Proceedings of the Annual Meeting of the Cognitive Science Society.*
- 15. Robinson, M. M., DeStefano, I, Vul, E., Brady, T. F. (2023, May). Building up visual memories from sensory evidence. *Poster presented at the Proceedings of the Annual Meeting of the Cognitive Science Society.*
- 14. Robinson, M. M., Wixted, J., & Brady, T. F., (2022, November). What conditions optimize memory and why? Reconciling the conflicting effects of similarity and correlated noise. *Talk presented at the Psychonomics Society Conference*.
- 13. Robinson, M. M., DeStefano, I. C., Brady, T. F., & Vul, E., (2022, July). Robustness of graph theoretic representations of semantic networks. *Poster presented at the Proceedings of the Annual Meeting of the Cognitive Science Society.*
- 12. Robinson, M. M., Williams, J. R., & Brady, T. F. (2022, May). Evaluating models of visual working-memory in change detection: Discrete-slots or non-diagnostic data? *Poster presented at the Vision Sciences Society Meeting.*
- 11. Robinson, M. M., Brady, T. F., Vul, E., & DeStefano, I. C. (2021, July). Revisiting the connection between the Luce's choice rule and signal detection theory. *Talk presented at the Virtual Conference of the Society of Mathematical Psychology.*
- 10. Robinson, M. M., & Brady, T. F. (2021, May). A quantitative model of ensemble perception as summed activation in feature space. *Talk presented at the Virtual Vision Sciences Society Meeting.*
- 9. Robinson, M. M., Wixted, J. T., & Brady, T. F. (2020, June). Decision strategy matters: Different testing procedures can change decision strategies and lead to spurious effects on estimates of visual working memory sensitivity. *Poster presented at the Virtual Vision Sciences Society Meeting.*
- 8. Robinson, M. M., Irwin, D. E., & Benjamin, A. S. (2019, November). Is there a K in capacity? Evaluating the discrete-slot model of visual short-term memory. *Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montreal, Canada.*
- 7. Regenwetter, M., & Robinson, M. M. (2017, July). A context dependent random-preference approach to the description-experience gap. Talk presented at the Annual Meeting of the Society for Mathematical Psychology, the European Mathematical Psychology Group of the International Conference on Cognitive Modelling, Warwick.
- 6. Irwin, D. E., & Robinson, M. M. (2016, November). How post-saccadic target blanking affects the detection of stimulus displacements across saccades. *Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.*
- 5. Robinson, M. M., & Irwin, D. E. (2016, November). Reexamining the effect of action on attentional deployment in visual search. *Poster presented at the 24th Annual Workshop on Object Perception, Attention, & Memory, Boston, MA*.

4. Robinson, M. M., & Regenwetter, M. (2015, November). Description-experience gap or construct-data gap? *Talk presented at the Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.*

- 3. Robinson, M. M., & Irwin, E. D. (2015, November). Conscious error perception: The impact of response interference from a secondary task. *Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.*
- 2. Krisst, L. C., Robinson, M. M., & Morsella, E. (2013, May). Revisiting Libet's studies: Effect of volition on time perception and response interference. *Poster presented at the Annual Meeting of the Society for Cognitive Neuroscience, San Francisco, CA.*
- 1. Robinson, M. M., & Morsella, E. (2012, March). The subjective cost of everyday thinking (comparing, attending, and choosing): Implications for social cognition research. *Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Diego, CA*.

TEACHING POSITIONS

Laboratory Instructor, Introductory Psychology UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN	2017
 Laboratory Instructor, Introductory Psychology UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN 	2015
Adjunct Instructor of Statistics in Health and Behavioral Science DOMINICAN UNIVERSITY OF CALIFORNIA, SAN RAFAEL	2013

RESEARCH POSITIONS

 Visiting Research Associate, Action and Consciousness Laboratory SAN FRANCISCO STATE UNIVERSITY 	2010-2013
Undergraduate Research Scholar in Philosophy UNIVERSITY OF IOWA	2007-2008
 Undergraduate Research Assistant in Psychology UNIVERSITY OF IOWA 	2006-2008