Maria M. Robinson
August 2022

E-mail: mrobinson@ucsd.edu
Website: https://mrobinson93.github.io/

EDUCATION

- Postdoc in Cognitive Psychology   2019–present
  UNIVERSITY OF CALIFORNIA, SAN DIEGO

- Ph.D. in Attention and Perception   2013–2019
  Minor in Cognitive and Quantitative Psychology
  UNIVERSITY OF ILLINOIS, URBANA–CHAMPAIGN

- M. A. in Behavior Science, focus on Decision-making   2008–2009
  Joint research with Graduate School of Business
  UNIVERSITY OF CHICAGO

- B. A. Triple Major in Psychology (Honors), Philosophy, English   2004–2008
  UNIVERSITY OF IOWA

RESEARCH INTERESTS AND AREAS

- Computational modeling of attention, memory, and decision-making
- Mathematical psychology
- Best practices in theory assessment and measurement in psychology

AWARDS AND FELLOWSHIPS

- F32 Individual National Research Service Award   2021–2024
  NATIONAL INSTITUTE OF HEALTH

- SBE Postdoctoral Research Fellowship (declined)   2021–2023
  NATIONAL SCIENCE FOUNDATION

- Graduate Dissertation Completion Fellowship   2018–2019
  UNIVERSITY OF ILLINOIS, URBANA–CHAMPAIGN

- List of Teachers Ranked as Excellent by Their Students   2015
    UNIVERSITY OF ILLINOIS, URBANA–CHAMPAIGN

- Iowa Center for Research (ICRU) Research Fellowship   2007–2008
    UNIVERSITY OF IOWA

Submitted manuscripts and preprints

5. Robinson, M. M., DeStefano, I., Brady, T. F. & Vul, E. (under review). Content–based but not structure–based graph theoretic measures of semantic networks generalize across tasks.

4. Brady, T. F., Robinson, M. M., & Williams, J. (under review). Noisy and hierarchical visual memory across time scales.

3. Brady, T. F., Robinson, M. M., Williams, J. R., & Wixted, J. (under review). Measuring memory is harder thank you think: How to avoid problematic measurement practices in memory research.

2. Robinson, M. M., & Brady, T. F. (revise and resubmit). A quantitative model of ensemble perception as summed activation in feature space.

1. Robinson, M. M., & Steyvers, M. (minor revision). Linking computational models of two core tasks of cognitive control.

JOURNAL PUBLICATIONS

21. Williams, J., Robinson, M. M., & Brady, T. F. (accepted). 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. (accepted). You can't count how many items people remember in working memory: The importane 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. (in press). 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. <u>Robinson, M. M.</u>, & Irwin, D. E. (2017). Conscious error perception: The impact of response interference from a secondary task. *Attention, Perception, & Psychophysics.*

5. Irwin, D. E., & <u>Robinson, M. M.</u> (2016). Perceiving a continuous visual world across voluntary eye blinks. *Journal of Experimental Psychology: Human Perception and Performance.*

4. <u>Robinson, M. M.</u>, & Irwin, D. E. (2016). Shifts of attention bias awareness of voluntary and reflexive eye movements. *Experimental Brain Research.*

3. Irwin, D. E., & <u>Robinson, M. M.</u> (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., & <u>Robinson, M. M.</u> (2014). Perceiving stimulus displacements across saccades. *Visual Cognition.*

1. <u>Robinson, M. M.</u>, & Morsella, E. (2014). The subjective effort of everyday mental tasks: Attending, assessing, and choosing. *Motivation and Emotion.*

CHAPTERS

<u>Robinson, M. M.</u>, 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.* https://www.novapublishers.com/catalog/product_info.php?products_id=32847

CONFERENCE TALKS AND POSTERS

13. <u>Robinson, M. M.</u>, & 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. <u>Robinson, M. M.</u>, 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 Virtual Vision Sciences Society Meeting.*

11. <u>Robinson, M. M.</u>, 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. <u>Robinson, M. M.</u>, & 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. <u>Robinson, M. M.</u>, 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. <u>Robinson, M. M.</u>, 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., & <u>Robinson, M. M.</u> (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., & <u>Robinson, M. M.</u> (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. <u>Robinson, M. M.</u>, & 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. <u>Robinson, M. M.</u>, & 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. <u>Robinson, M. M.</u> & 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., <u>Robinson, M. M.</u>, & 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. <u>Robinson, M. M.</u>, & 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   2017
  UNIVERSITY OF ILLINOIS, URBANA–CHAMPAIGN

- Laboratory Instructor, Introductory Psychology   2015
  UNIVERSITY OF ILLINOIS, URBANA–CHAMPAIGN

- Adjunct Instructor of Statistics in Health and Behavioral Science   2013
  Two sections
  DOMINICAN UNIVERSITY OF CALIFORNIA

RESEARCH POSITIONS

- Visiting Research Associate, Action and Consciousness Laboratory   2010–2013
  SAN FRANCISCO STATE UNIVERSITY

- Undergraduate Research Assistant in Psychology   2006–2008
  UNIVERSITY OF IOWA

- Undergraduate Research Scholar in Philosophy   2007–2008
  UNIVERSITY OF IOWA

LANGUAGES

English (Fluent), Russian (Native)