


Kelly Cotton

PhD Candidate, Cognitive Psychology

✉ kcotton@gradcenter.cuny.edu  [kellycotton](https://github.com/kellycotton)  [kellycotton.github.io](https://github.com/kellycotton)

Education

PhD, Psychology <i>The Graduate Center, City University of New York</i>	Present
MPhil, Psychology <i>The Graduate Center, City University of New York</i>	2021
MA, Psychology <i>The Graduate Center, City University of New York</i>	2020
BS, Brain and Cognitive Sciences BA, Linguistics <i>University of Rochester</i>	2015 2015

Publications

Cotton, K. & Ricker, T.J. (under revision). Examining the relationship between working memory consolidation and long-term consolidation.

Cotton, K. & Ricker, T.J. (2020). Working memory consolidation improves long-term memory recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 47(2), 208–219. [doi:10.1037/xlm0000954](https://doi.org/10.1037/xlm0000954)

Cotton, K., Verghese, J., & Blumen, H. M. (2020). Gray Matter Volume Covariance Networks, Social Support, and Cognition in Older Adults. *The Journals of Gerontology: Series B*, 75(6), 1219–1229. [doi:10.1093/geronb/gbz023](https://doi.org/10.1093/geronb/gbz023)

Mahoney, J. R., **Cotton, K.**, & Verghese, J. (2019). Multisensory integration predicts balance and falls in older adults. *The Journals of Gerontology: Series A*, 74(9), 1429–1435. [doi:10.1093/gerona/gly245](https://doi.org/10.1093/gerona/gly245)

Lin, F., Ren, P., **Cotton, K.**, Porsteinsson, A., Mapstone, M., & Heffner, K. L. (2016). Mental Fatigability and Heart Rate Variability in Mild Cognitive Impairment. *The American Journal of Geriatric Psychiatry*, 24(5), 374–378. [doi:10.1016/j.jagp.2015.12.012](https://doi.org/10.1016/j.jagp.2015.12.012)

Presentations

INTERNATIONAL CONFERENCE PRESENTATIONS

Cotton, K. & Ricker, T. J. (2021, November). The effect of mind-wandering and cognitive load on working memory performance in online and in-person experiments. Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual.

McCray, M.M., **Cotton, K.** & Ricker, T. J. (2021, November). Working Memory Performance: Is Subjective Measurement a Better Predictor than Cognitive Load? Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual.

Koorathota, S., Adelman, P., **Cotton, K.**, & Sajda, P. (2021, October). Editing Like Humans: A Contextual, Multimodal Framework for Automated Video Editing. *AI for Creative Video Editing and Understanding*, Virtual.

Koorathota, S., Adelman, P., **Cotton, K.**, & Sajda, P. (2021, June). Editing Like Humans: A Contextual, Multimodal Framework for Automated Video Editing. *IEEE/CVF Conference on Computer Vision and Pattern Recognition*, Virtual.

Cotton, K. & Ricker, T. J. (2021, June). Consolidating a lasting memory: The role of creativity in the relationship between working memory and long-term memory. *2nd Annual Virtual Working Memory Symposium*, Virtual.

Cotton, K. & Ricker, T. J. (2020, November). The Role of Creativity in the Relationship between Working Memory Consolidation and Long-Term Memory. Poster presented at the *61st Annual Meeting of the Psychonomic Society*, Virtual.

Cotton, K. & Ricker, T. J. (2019, November). Working Memory Consolidation Improves Long-Term Memory Recognition in Words and Non-words. Poster presented at the *60th Annual Meeting of the Psychonomic Society*, Montreal, Quebec, Canada.

Cotton, K., Jacobs, A., Ren, P., & Lin, F. (2015, November). Mechanisms Linking Depression and Cognitive Impairment: A Systematic Review of Neuroimaging Studies. Poster presented at the *Annual Meeting of The Gerontological Society of America*, Orlando, Florida.

REGIONAL CONFERENCE & COLLOQUIA PRESENTATIONS

Cotton, K. & Ricker, T. J. (2021, November). How do mind-wandering, cognitive load, and environment affect working memory? Poster presented at the *Annual Harvard Women in Psychology Trends in Psychology Summit*, Virtual.

McCray, M.M., **Cotton, K.** & Ricker, T. J. (2021, November). Predicting Working Memory Performance: Is Perceived Workload a Better Predictor Than Cognitive Load? Poster presented at the *Annual Harvard Women in Psychology Trends in Psychology Summit*, Virtual.

McCray, M.M., **Cotton, K.**, & Ricker, T.J. (2021, September). Does perceived workload better predict working memory performance than cognitive load?, Poster presented at *South Dakota Psychological Association Annual Conference*, Rapid City, South Dakota, USA.

Cotton, K. & Ricker, T. J. (2021, May). Does creativity influence working memory effects on long-term memory?. *12th Annual Psychology Research Day*, Virtual.

Cotton, K. & Ricker, T. J. (2019, October). Working Memory Consolidation Improves Long-Term Memory Recognition. *Cognitive and Comparative Psychology Colloquium*, Graduate Center of the City University of New York, Manhattan, New York.

Koorathota, M., Adelman, P., & **Cotton, K.** (2019, September). Project Fovea: Attention-Guided Video Production. Poster presented at the *NYC Media Lab Demo Expo*, Brooklyn, New York.

INVITED TALKS

Cotton, K. (2021, May). Consolidating a lasting memory. University of Geneva, Geneva, Switzerland.

Grants

Doctoral Student Research Grant, The Graduate Center, CUNY (\$1350)
Role: Principal Investigator

2020

Project Title: “The role of creativity in the relationship between short-term consolidation and long-term memory”

Fellowships, Honors, and Awards

Psychology Fellowship, The Graduate Center, CUNY	2020
Data for Public Good Fellowship, The Graduate Center, CUNY	2020
Second Place Overall for “Project Fovea”, NYC Media Lab ‘19	2019
Graduate Center Fellowship, The Graduate Center, CUNY	2018 - 2023
National Merit Scholar Fellowship, University of Rochester	2011 - 2015

Research Experience

Graduate Research Assistant, <i>Memory and Attention Lab</i> Dept. of Psychology, College of Staten Island	2018 - Present
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Research Assistant, <i>CREM Study</i> Dept. of Neurology, Albert Einstein College of Medicine	2015 – 2019
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Teaching Experience

<i>Lehman College, City University of New York</i> Cognitive Psychology (Adjunct Instructor)	Spring, Fall 2021
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<i>City College, City University of New York</i> Thinking, Knowing, Remembering (Teaching Assistant)	Fall 2019 - Fall 2021
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Non-Academic Publications

Some people just don't age, at least not like most Massive Science (October 2021)

A sweeping study shows that “brain training” games are not effective. Massive Science (July 2021).

Can we talk to people while they are dreaming? And can they talk back? CogBites (July 2021)

Our memories of shared experiences have unique neural signatures. Massive Science (January 2021)

Plants can grow quickly or accurately, but not both. Massive Science (November 2020)

Science Outreach

<i>BioBus</i> Mentored and supervised high school interns on semester-long experimental and science communication projects; led activities for “Saturday Science” neuroscience outreach program for families and community members	2019 - Present
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<i>“Function” Youtube Series</i> Served as scientific consultant and data analyst for series of videos on innovative applications of eye-tracking technology and other scientific topics	2017 - Present
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Professional Memberships

Psychonomic Society (2019 - Present)

Skills

Programming: R, MATLAB/Octave, Python, PsychoPy

Statistical Analysis: Hierarchical Linear Modeling, Structural Equation Modeling

Other: TobiiPro