

# Kelly Cotton

PhD Candidate, Cognitive Psychology

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## 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. (2022). Is there a role of creativity in the relationship between working memory consolidation and long-term memory? *Attention, Perception, and Psychophysics*. [doi:10.3758/s13414-022-02598-w](https://doi.org/10.3758/s13414-022-02598-w)

**Cotton, K.** & Ricker, T.J. (2022). Examining the relationship between working memory consolidation and long-term consolidation. *Psychonomic Bulletin and Review*, 29(5), 1625-1648. [doi:10.3758/s13423-022-02084-2](https://doi.org/10.3758/s13423-022-02084-2)

**Cotton, K.** & Ricker, T.J. (2021). 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)

## MANUSCRIPTS IN PROGRESS

**Cotton, K.**, Sandry, J. & Ricker, T. J. (in preparation). The effect of mind-wandering and cognitive load on working memory performance in online and in-person experiments.

**Cotton, K.** & Ricker, T.J. (in preparation). The impact of stress on the relationship between working memory and long-term memory.

## Presentations

### INTERNATIONAL CONFERENCE PRESENTATIONS

**Cotton, K.**, Sandry, J. Ricker, T. J. (2022, June). How does mind-wandering influence working memory performance across cognitive load and environmental conditions? *3rd Annual Working Memory Symposium*, Virtual.

**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.**, Sandry, J., & Ricker, T.J. (2022, March). Mind-wandering and cognitive load effects on working memory performance across experimental contexts. Poster presented at *93rd Annual Eastern Psychological Association*, New York, New York.

**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.

**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, New York, 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*, New York, New York.

#### INVITED TALKS

**Cotton, K.** (2022, March). Making working memory work. Biobus, New York, New York.

**Cotton, K.** (2022, February). Understanding the relationship between working memory and long-term memory. University of South Dakota, Vermillion, South Dakota.

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

#### Grants

Doctoral Student Research Grant, The Graduate Center, CUNY (\$1500) 2022  
Role: Principal Investigator  
Project Title: "The impact of stress on the relationship between working memory and long-term memory"

Doctoral Student Research Grant, The Graduate Center, CUNY (\$1350) 2020  
Role: Principal Investigator  
Project Title: "The role of creativity in the relationship between short-term consolidation and long-term memory"

#### Fellowships, Honors, and Awards

Psychology Travel Award, The Graduate Center, CUNY 2022  
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

#### Research Experience

Graduate Research Assistant, *Memory and Metacognition Lab* 2020 - Present  
Dept. of Psychology, Brooklyn College  
Supervisor: Dr. Elizabeth Chua

Graduate Research Assistant, *Memory and Attention Lab* 2018 - Present  
Dept. of Psychology, College of Staten Island/University of South Dakota  
Supervisor: Dr. Timothy Ricker

Research Assistant, *Cognitive Remediation (CREM) Study*  
Dept. of Neurology, Albert Einstein College of Medicine  
Supervisors: Dr. Joe Verghese and Dr. Roe Holtzer

2015 – 2019

## Teaching Experience

*Lehman College, City University of New York*  
Cognitive Psychology (Adjunct Instructor)

Spring, Fall 2021

*City College, City University of New York*  
Thinking, Knowing, Remembering (Teaching Assistant)

Fall 2019 - Spring 2022

## Science Outreach

*Community Science Fellow, BioBus*

2019 - Present

Mentored high school interns on experimental and science communication projects; led activities for “Saturday Science” neuroscience outreach program for families and community members

*“Function” Youtube Series*

2017 - 2020

Served as scientific consultant and data analyst for series of videos on innovative applications of eye-tracking technology and other scientific topics

## Professional Services and Activities

### PROFESSIONAL MEMBERSHIPS

Psychonomic Society (2019 - Present), Eastern Psychological Association (2022 - Present)

### AD-HOC REVIEWER

Advances in Methods and Practices in Psychological Science, Nature Scientific Reports, Quarterly Journal of Experimental Psychology