EMILY C. N. LINE

⋄ neuline2@illinois.edu

EDUCATION

Ph.D. in Quantitative Psychology *August 2020 - Present*
University of Illinois at Urbana-Champaign

M.S. in Statistics *August 2021 - May 2023*
University of Illinois at Urbana-Champaign

M.S. in Psychology *August 2018 - August 2020*
Arizona State University

B.S. in Psychology *August 2015 - May 2018*
Minor in Mathematics
University of Wisconsin-Stout

TECHNICAL STRENGTHS

Computer Languages	R (`tidyverse`, `brms`, `rjags`), MATLAB, Python, JavaScript
Software & Tools	QTEST, LaTeX, Excel, jsPsych

PUBLICATIONS

Line, E. N. & Regenwetter, M. (R&R). A tutorial in order-constrained inference using psychology-law data.

Line, E. N. & Neal, T.M.S. (under review). Experts screening experts: Are courts effectively gatekeeping psychological assessment evidence?

Jekel, M., Regewetter, M., Chen, M., & **Line, E. N.** (under review). How to Codify, Compare, and Evaluate Joint Hypotheses about a Collection of Proportions.

Line, E. N., Jaramillo, S., Goldwater, M., & Horne, Z. (2024). Anecdotes impact medical decisions even when presented with statistical information or decision-aids. *Cognitive Research: Principles and Implications*, *9*(1), 51.

Phalen, H. J., Lawrence, M. L., Gittings, K. L., **Line, E. N.**, Eerdmans, R. E., Thomas, S. N., Bettis, T. C., Campbell, J. C., & Salerno, J. M. (2024). Regional Gender Bias and Year Predict Gender Representation on Civil Trial Teams. *Law and Human Behavior*. Advance online publication. `https://dx.doi.org/10.1037/lhb0000585`

Neal, T.M.S. & **Line, E. N.** (2022). Income, Demographics, and Life Experiences of Clinical-Forensic Psychologists in the United States. *Frontiers in Psychology*, 3422.

Line, E. N., Roberts, S., & Horne, Z. (2021). Memory for syntactic differences in mental illness descriptions. *Memory & Cognition*, *50*(2), 407-424.

MANUSCRIPTS IN PROGRESS

Guo, Y., Regenwetter, M., Chen, M., **Line,** (in progress). Accelerating scientific throughput: Behavioral decision research meets supercomputer.

Line, E. N. , Denne, E., & Horne, Z. (in progress). Magnitude error, sign error, and power in developmental psychology.

ACADEMIC HONORS & AWARDS RECEIVED

- Psychonomic Society 2025 Best Article for *Cognitive Research: Principles and Implications*, recognized for the paper "Anecdotes impact medical decisions even when presented with statistical information or decision aids"
- American Psychology-Law Society Outstanding Student Presentation in Legal Research Award, March 2025
- American Psychology-Law Society Outstanding Student Paper Award, March 2024
- UIUC's List of Teachers Ranked as Excellent by Their Students (Fall 2023)
- Women of MathPsych Travel Award (for MathPsych conference), July 2023
- American Psychology-Law Society Outstanding Student Paper Award, March 2022
- American Psychology-Law Society Conference Travel Award, March 2022
- Outstanding Graduate Student, *ASU New College of Interdisciplinary Arts and Sciences*, May 2020
- Access Path to Psychology and Law Award Program ($3,000), American Psychology and Law Society, February 2019
- Steiner/Milnes Scholarship Recipient ($3,250), Academic Year 2017-2018
- Outstanding Student of the Year Award, Academic Year 2016-2017

RESEARCH GRANTS & FELLOWSHIPS RECEIVED

- ASU Graduate College's Earl A. and Lenore H. Tripke Fellowship ($4000), 2020
- ASU's Graduate and Professional Student Association Professional Development Grant ($550), October 2019
- ASU's Graduate and Professional Student Association Travel Grant ($950), August 2019
- ASU MS Psychology Research Funding ($625), December 2018
- ASU Graduate College Fellowship ($10,000), Academic Year 2018-2019
- UW-Stout Student Dissemination Grant Award ($924), April 2018
- Psi Chi MPA Regional Travel Grant ($350), April 2018
- UW-Stout Student Dissemination Grant Award ($262), April 2017

NATIONAL PRESENTATIONS

Line, E.N., Neal, T.M.S., & Mathers, E. (2025, March). Experts screening experts: Can courts effectively gatekeep psychological assessment evidence? Paper to be presented at the 2025 American Psychology-Law Society Conference, San Juan, Puerto Rico.

Eerdmans, R.E., Phalen, H. J., Lawrence, M. L., Gittings, K. L., **Line, E. N.**, Thomas, S. N., Bettis, T. C., Campbell, J., & Salerno, J. M. (2025, February). Regional gender bias and year predict gender representation on civil trial teams. Data blitz to be presented at the Social Psychology in Legal Contexts Preconference at the Society for Personality and Social Psychology Annual Convention, Denver, CO.

Line, E.N., Chen, M., Bastopcu, M., Velicheti, R.K., & Regenwetter, M. (2024, November). Bayesian Persuasion: Evaluating a receiver's decision-making strategy under persuasion contexts. Poster presented at the 2024 Psychonomics Conference, New York, NY.

Line, E.N., Neal, T.M.S., Pronin, E., Denne, E., Velez, E. (2024, March). Trust and the illusion of expert objectivity. Paper presented at the 2024 American Psychology-Law Society Conference, Los Angeles, CA.

Line, E.N. (2023, November). The probability of a guilty verdict: Using mathematical order constraints with dichotomous data. Invited workshop presented at Iowa State University, Psychology Department.

Line, E.N., Harvey, M., Cavagnaro, D., Price, H., & Regenwetter, M. (2023, July). Order constrained modeling and inference in psychology and law. Paper presented at the 2023 MathPsych Conference, Amsterdam, Netherlands.

Saiter, E., McCowan, K., **Line, E. N.**, Neal, T.M.S., Bornstein, B.H., Eagan, S., Gervais, S.J., Dellapaolera, K.S. (2023, June). Jurors' calibration to complicated scientific evidence in court: The role of deliberation. Paper presented at the 2023 Law and Society Association Conference, San Juan, Puerto Rico.

Harvey, M. B., **Line, E. N.**, Regenwetter, M., Cavagnaro, D.R., Luther, K., & Price, H. L. (2023, March). Guilty until proven innocent? A model competition approach to interrogation decisions. Paper presented at the 2023 American Psychology and Law Society Conference, Philadelphia, PA.

Mathers, E., **Line, E. N.**, & Neal, T.M.S. (2023, March). Are forensic neuropsychological evaluations better prepared to withstand legal evidence admissibility challenges than non-neuropsychological evaluations? Paper presented at the 2023 American Psychology and Law Society Conference, Philadelphia, PA.

Line, E. N. & Regenwetter, M. (2022, November). Reevaluating confirmation bias and context effects using order constrained inference. Poster presented at the 2022 Pyschonomic Society Conference, Boston, MA.

Chen, M., Guo, Y., **Line, E.N.**, & Regenwetter, M. (July, 2022). Testing 49 different forms of Cumulative Prospect Theory. Paper presented at the 2022 MathPsych Conference, Toronto, Canada.

Line, E. N. & Regenwetter, M. (2022, March). The probability of a guilty verdict: A novel framework for dichotomous data in psychology and law. Paper presented at the 2022 American Psychology and Law Society Conference, Denver, CO.

Line, E., Jaramillo, S., Neal, T.M.S., & Horne, Z. (2020, July). Using Bayesian models to assess juror decision-making in ecologically valid contexts. Poster presented at the 2020 Cognitive Science Annual Convention, online due to Covid-19.

Line, E., & Neal, T.M.S. (2020, March). Attorney Reactions to Psychological Assessment Evidence in Court: Descriptives and Experimental Data. In T.M.S. Neal (Chair), *Legal Scrutiny of Psychological Assessment Evidence* [Symposium]. Paper presented at the 2020 American Psychology and Law Society Conference, New Orleans, LA.

Line, E., Jaramillo, S., Neal, T.M.S., & Horne, Z. (2020, March). Using Bayesian Models to Assess Juror Decision-Making in Ecologically Valid Contexts. In K. M. Byrd (Chair),

From the Lab to the Courtroom: Forensic Science Expert Analyses and Lay Perceptions of Evidence [Symposium]. Paper presented at the 2020 American Psychology and Law Society Conference, New Orleans, LA.

Denne, E., **Line, E. N.** , Plantz, J., Mathers, E., Selman, S., & Neal, T.M.S. (2020, March). What We Can Learn from Jury Note Taking: A Content Analysis. In T.M.S. Neal (Chair), *Calibration in Court: Jurors Use of Scientific Information* [Symposium]. Paper presented at the 2020 American Psychology and Law Society Conference, New Orleans, LA.

McCowan, K., Denne, E., Velazquez, A., Milligan, R., **Line, E. N.** , Neal, T.M.S., Gervais, S.J., Bornstein, B.H., & Dellapaolera, K.S. (2020, March). Calibration in Court: Predictors of Jurors Understanding of Evidence Strength. In T.M.S. Neal (Chair), *Calibration in Court: Jurors Use of Scientific Information* [Symposium]. Paper presented at the 2020 American Psychology and Law Society Conference, New Orleans, LA.

Line, E., Neu, A., & Neal, T.M.S. (2019, August) *Enriching Psychology and Law Scholarship with Computer Science.* Paper presented at the 2019 American Psychological Association Annual Convention, Chicago, IL.

Line, E., McCowan, K., Denne, E., & Neal, T.M.S. (2019, August) *Quality of Science: Are Jurors Equipped to Discriminate Good and Bad Evidence?* Paper presented at the 2019 American Psychological Association Annual Convention, Chicago, IL.

Line, E., & Neal, T.M.S. (2019, July) *The Truth Behind the Tool: Psychological Assessment Evidence in Court.* Live (now on demand) webcast presented through the National Institute for Trial Advocacy, Boulder, CO.

Line, E., Grassman, S., Sabinash, A., Budd, D., & Donnelly, M. (2018, October) *High School Collision Sport Participation and Attention: An ERP Study.* Poster presented at the 58th annual meeting of Society for Psychophysiological Research, Quebec City, Quebec, Canada.

Line, E., Grassman, S., Sabinash, A., & Budd, D. (2018, April) *High School Sport Participation and Attention: An ERP Study.* Poster presented at the 90th annual meeting of the Midwestern Psychological Association, Chicago, IL.

RESEARCH EXPERIENCE

Graduate Researcher, August 2020 - Current
Decision-Making Laboratory
Supervisor: Dr. Michel Regenwetter

- Help design experimental stimuli in preparation for data collection for lab grants
- Participate in peer-review for manuscripts prepared for publication in the lab
- Utilize lab software (QTest) for various research designs and existing data, construct areas of improvement for QTest in preparation for upcoming software update

Graduate Researcher, January 2023 - Current
Human Memory and Cognition Lab
Supervisor: Dr. Aaron Benjamin

- Design and run experiments related to human cognition and decision-making

- Peer review lab experiments, presentations, and papers
- Mentor the undergraduate students in the lab through mentorship meetings, reviewing undergraduate presentations, and giving feedback on research ideas

Lab Manager, August 2018-August 2020
Graduate Researcher, August 2018 - August 2020
Clinical and Legal Judgment Lab - Arizona State University
Supervisor: Dr. Tess Neal

- Assist with data collection, analysis, visualization, and dissemination. Present and practice talks in lab. Oversee undergraduate research assistant involvement in lab projects.
- Develop a graduate-undergraduate student mentor relationship program to connect undergraduate students to graduate students in lab and get them more involved
- Assist with a paper commissioned by *Psychological Science in the Public Interest* by coding hundreds of psychological assessment tools across scientific and legal standards for admissibility into court (Neal, T.M.S., Slobogin, C., Saks, M.J., Faigman, D., & Geisinger, K. [in press]. "Psychological Assessments in Legal Contexts: Are Courts Keeping 'Junk Science' Out of the Courtroom?").

Graduate Researcher, January 2019 - August 2020
Cognition, Computation, and Development Lab - Arizona State University
Supervisor: Dr. Zachary Horne

- Attend generalized linear multilevel modeling meetings with prepared materials
- Design methods, construct surveys, and simulate and analyze data for assigned projects
- Participate in peer-review for design, surveys, and papers within the lab

Lead Student Researcher, September 2016 - May 2018 *Electroencephalography (EEG) Lab*
Supervisor: Dr. Desiree Budd

- Designed procedures, organized data, and operated EEG equipment and monitored participant behavior and feedback
- Filtered and analyzed EEG and behavioral data to write up for grants and conferences

TEACHING EXPERIENCE

Teaching Assistant, August 2023 - May 2024
Psychology Department - University of Illinois at Urbana-Champaign

- Lecturer for Introduction to Statistics (PSYC 235)
- Lecture students on introductory statistics topics (probability, hypothesis testing, power, t-tests, regression)
- Serve as first point of contact for students in the course

Faculty Associate, March 2023 - Current
Arizona State University

- Instructor for the online undergraduate Forensic Psychology course (PSY 368)
- Instructor for the online undergraduate Correctional Psychology course (PSY 474)
- Structured the course for the semester and partially developed materials and assignments

Psychology Statistics Tutor, August 2022 - Current
Psychology Department - University of Illinois at Urbana-Champaign

- · Conducted weekly tutoring sessions with multiple graduate students enrolled in psychology statistics courses (PSY 506 and 507)

Lab Manager and Quantitative Lead, September 2019 - August 2020
Lab Consultant, August 2018 - August 2019
Statistics and Methods Tutoring Lab - Arizona State University

- · Oversaw function of the lab and served as first contact for all social sciences faculty teaching a quantitative course
- · Led workshops for professional development, designing research posters, and use of statistical software
- · Consulted graduate and undergraduate students on statistical software use, data analysis, and research methods

Teaching Assistant, January 2020 - May 2020
Quantitative Analysis II - Arizona State University
Instructor: Dr. Deborah Hall

- · Graded homework assignments and exams, answered students questions
- · Assisted student with software and analysis during the lab portions of the class

Teaching Assistant, January 2019 - May 2019
Forensic Psychology - Arizona State University
Instructor: Dr. Tess Neal

- · Graded all homework assignments and exams, met with students during my office hours
- · Guest lectured on civil commitment
- · Organized and ran an enrichment opportunity book group for honors students in the class

PROFESSIONAL EXPERIENCE

Lead Statistical Programmer, May 2022 - Current
Trial by Data

- · Developed and maintain a program to streamline data analysis for civil trial case-related data to be used in trial consulting

VOLUNTEER EXPERIENCE

Reviewer Experience

- · Psychology, Public Policy, and Law reviewer (2021)
- · American Psychology-Law Society conference submission student reviewer (2019, 2020)
- · *Psychology, Public Policy, and Law* student co-reviewer, APA Journal (Fall 2018)
- · Graduate & Professional Student Association research grant reviewer (Spring 2019-Spring 2020)
- · Graduate & Professional Student Association travel grant reviewer (Spring 2019-Spring 2020)

Service to Profession

- Mentorship Matching Engine: Mentoring three senior high school students with a year-long project each (Fall 2024 - Current)
- Graduate Student Organization (GSO) Student Representative for Quantitative Psychology (2023 - Current)
- American Psychology-Law Society conference registration desk volunteer (2019)
- ASU Solera Experience presenter (Summer 2019) presented orientation sessions on ASUs Forensic Psychology undergraduate program to incoming freshmen