

Leanne Elliott

6th Floor Murdoch
3420 Forbes Ave
Pittsburgh, PA 15260

lek79@pitt.edu
(410) 629-9425

ACADEMIC APPOINTMENTS

Postdoctoral Associate at the Learning Research and Development Center 2019 - present
University of Pittsburgh

EDUCATION

University of Pittsburgh, Pittsburgh, PA
Ph.D. Developmental Psychology 2019
M.S. Developmental Psychology 2015

University of Delaware, Newark, DE
B.A. Psychology, Honors Degree with Distinction, summa cum laude 2013
B.S. Cognitive Science, concentration in Human Cognition 2013

PEER-REVIEWED JOURNAL ARTICLES¹

Hornburg, C., Borriello, G., Kung, M., [and 36 others, including **Elliott, L.**] (in press). Next Directions in Measurement of the Home Mathematics Environment: An International and Interdisciplinary Perspective. *Journal of Numerical Cognition*.

Silver, A. M., **Elliott, L.**, & Libertus, M. (in press). Parental math input is not uniformly beneficial for young children: The moderating role of inhibitory control. *Journal of Educational Psychology*.

Reynvoet, B., Ribner, A., **Elliott, L.**, Van Steenkiste, M., Sasanguie, D., & Libertus, M. (in press). Making sense of the relation between number sense and math. *Journal of Numerical Cognition*.

Silver, A. M., **Elliott, L.**, Braham, E., Bachman, H. J., Votruba-Drzal, E., Tamis-LeMonda, C. S., Cabrera, N., & Libertus, M. E. (2021). Measuring emerging number knowledge in toddlers. *Frontiers in Psychology*, 12:3057. <https://doi.org/10.3389/fpsyg.2021.703598>

¹ Last name changed from Keller to Elliott in 2015

* indicates student co-author

- Bachman, H. J., **Elliott, L.**, Duong, S., Navarro, M., Betancur, L., Votruba-Drzal, E., & Libertus, M. (2020) Triangulating multi-method assessments of parental support for early math development. *Frontiers in Education*, 5:589514. <https://doi.org/10.3389/educ.2020.589514>
- Elliott, L.** (2020). Sources of heterogeneity in the home enrichment practices of socioeconomically disadvantaged families. *Journal of Applied Developmental Psychology*, 70. 101190. <https://doi.org/10.1016/j.appdev.2020.101190>
- Silver, A. M., **Elliott, L.**, & Libertus, M. (2020). When beliefs matter most: Examining children's math achievement in the context of parental math anxiety. *Journal of Experimental Child Psychology*, 201. 104992. <https://doi.org/10.1016/j.jecp.2020.104992>
- Silver, A. M., **Elliott, L.**, Imbeah, A.*, & Libertus, M. (2020). Understanding the contributions of home numeracy, inhibitory control, the approximate number system, and spontaneous focusing on number for children's math abilities. *Mathematical Thinking and Learning*. 1-16. <https://doi.org/10.1080/10986065.2020.1818469>
- Elliott, L.**, Bachman, H. J., & Henry, D. (2020). Why and how do parents promote math learning with their young children: A mixed-methods investigation. *Parenting: Science and Practice*, 20(2), 108-140. <https://doi.org/10.1080/15295192.2019.1694830>
- Thippana, J.*, **Elliott, L.**, Gehman, S.*, Libertus, K., & Libertus, M. (2020). Parents' use of number talk with young children: Comparing methods, family factors, activity contexts, and relations to math skills. *Early Childhood Research Quarterly*, 53, 249-259. <https://doi.org/10.1016/j.ecresq.2020.05.002>
- Bachman, H. J., **Elliott, L.**, Scott, P., & Navarro, M., (2020). Latino children's academic and behavioral trajectories in early elementary school: Examining home language differences within preschool types. *Early Childhood Research Quarterly*, 52, 138-154 <https://doi.org/10.1016/j.ecresq.2018.04.005>
- Elliott, L.**, (2019). Profiles of academic, cognitive, and behavioral development from kindergarten to third grade. *Learning and Individual Differences*, 70, 109-120. <https://doi.org/10.1016/j.lindif.2019.01.010>
- Elliott, L.**, Feigenson, L., Halberda, J., & Libertus, M. (2019). Bidirectional, longitudinal associations between math ability and approximate number system precision in childhood. *Journal of Cognition and Development*, 20(1), 56-74. <https://doi.org/10.1080/15248372.2018.1551218>
- Hanner, E.*, Braham, E. J., **Elliott, L.**, & Libertus, M. (2019). Increasing math talk in adult-child interactions through grocery store signs. *Mind, Brain, and Education*, 13(2), 110-118. <https://doi.org/10.1111/mbe.12195>

- Braham, E. J., **Elliott, L.**, & Libertus, M. (2018). Using hierarchical linear models to examine Approximate Number System acuity: The role of task parameters and participant characteristics. *Frontiers in Psychology, 9*:2081. <https://doi.org/10.3389/fpsyg.2018.02081>
- Elliott, L.**, & Bachman, H. J., (2018). SES disparities in early math abilities: The contributions of parents' math cognitions, practices to support math, and math talk. *Developmental Review, 49*, 1-15. <https://doi.org/10.1016/j.dr.2018.08.001>
- Elliott, L.**, & Bachman, H. J. (2018). Parents' educational beliefs and children's early academic skills: Examining the role of SES. *Child and Youth Services Review, 91*, 11-21. <https://doi.org/10.1016/j.chidyouth.2018.05.022>
- Elliott, L.** & Bachman, H. J. (2018). How do parents foster young children's math skills? *Child Development Perspectives, 12*(1), 16-21. <https://doi.org/10.1111/cdep.12249>
- Bachman, H. J., Degol, J. L., **Elliott, L.**, Scharphorn, L., El Nokali, N. E., & Palmer, K. M. (2018). Preschool math exposure in private center-based care and low-SES children's math development. *Early Education and Development, 29*(3), 417-434. <https://doi.org/10.1080/10409289.2017.1406245>
- Elliott, L.**, Braham, E. J., & Libertus, M. (2017). Understanding sources of individual variability in parents' number talk with young children. *Journal of Experimental Child Psychology, 159*, 1-15. <https://doi.org/10.1016/j.jecp.2017.01.011>
- Keller, L.**, & Libertus, M. (2015). Inhibitory control may not explain the link between approximation and math abilities in kindergarteners from middle class families. *Frontiers in Psychology, 6*, 685. <https://doi.org/10.3389/fpsyg.2015.00685>

MANUSCRIPTS UNDER REVIEW

- Elliott, L.**, Silver, A. M., Imbeah, A. *, & Libertus, M. (under revision for invited resubmission). Actions may speak louder than words: Comparing methods of assessing children's spontaneous focusing on number. *Journal of Experimental Child Psychology*.

MANUSCRIPTS IN PREPARATION

- Elliott, L.**, Silver, A. M., Ribner, A., & Libertus, M. E. (2021). Individual differences in American families' responses to the COVID-19 pandemic. *Frontiers in Education*.
- Elliott, L.**, & Bachman, H. J. (2021). Socioeconomically disadvantaged parents' perspectives on children's early learning.

Elliott, L., Zheng, P. *, & Libertus, M. (2021). Individual differences in parental support for math and literacy in early childhood.

Bachman, H. J., Miller, P., **Elliott, L.**, Votruba-Drzal, E., & Libertus, M. (2021). SES associations with early number and spatial skills: The mediating role of executive function.

Silver, A. M., Ribner, A., **Elliott, L.**, Huerga, L. *, & Libertus, M. E. (2021). Predicting parental academic engagement in the context of COVID-19. *Frontiers in Psychology*.

PEER-REVIEWED CONFERENCE PRESENTATIONS

Elliott, L., Silver, A. M., Ribner, A., & Libertus, M. (2022, April). *The benefits of math board games depend on the skills children bring to the table*. Paper submitted to the American Educational Research Association Annual Meeting: San Diego, CA.

Elliott, L., Bachman, H. J., Votruba-Drzal, E., Miller, P., & Libertus, M. (2022, April). *Unpacking the home math environment: Examining dimensionality and selection factors in parent surveys*. Paper submitted to the American Educational Research Association Annual Meeting: San Diego, CA.

Silver, A. M., **Elliott, L.**, & Libertus, M. (2021, April). *Parental math input is not uniformly beneficial for young children: The moderating role of inhibitory control*. Paper presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.

Montue, T. *, **Elliott, L.**, Heywood, N., Podvysotska, T., Miller, P., Bachman, H., Libertus, M., & Votruba-Drzal, E. (2021, April). *Differential Experiences of Financial Strain in Response to COVID-19*. Paper presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.

Libertus, M., Miller, P., **Elliott, L.**, Bachman, H. J., & Votruba-Drzal, E., (2021, April). *Relations among SES and children's Approximate Number System, number and spatial skills*. Paper presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.

Duong, S., **Elliott, L.**, Bachman, H. J., Votruba-Drzal, E., & Libertus, M. (2021, April). *Minute-by-minute variations in parental number talk and their implications for coding parent-child interactions*. Poster presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.

Silver, A. M., Braham, E., **Elliott, L.**, Tamis-Lemonda, C., Cabrera, N., Bachman, H. J., Votruba-Drzal, E., & Libertus, M. (April 2021). *Measuring emerging number knowledge in toddlers*. Poster presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.

- Libertus, M., Miller, P., **Elliott, L.**, Bachman, H. J., & Votruba-Drzal, E., (2021, April). *Relations among SES and children's Approximate Number System, number and spatial skills*. Paper presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.
- Duong, S., **Elliott, L.**, Bachman, H. J., Votruba-Drzal, E., & Libertus, M. (2021, April). *Minute-by-minute variations in parental number talk and their implications for coding parent-child interactions*. Poster presented at the Society for Research in Child Development Biennial Meeting: Virtual Conference.
- Elliott, L.**, Bachman, H. J., Miller, P., Votruba-Drzal, E., & Libertus, M. (2020, October). *Differential prediction of formal and informal math activities at home*. Lightning talk presented at the Home Math Environment Virtual Conference.
- Silver, A. M., **Elliott, L.**, & Libertus, M. (2020, October). *Parental math talk is not uniformly beneficial for young children: The moderating role of children's executive functioning*. Lightning talk presented at the Home Math Environment Virtual Conference.
- Duong, S., **Elliott, L.**, Bachman, H. J., Votruba-Drzal, E., & Libertus, M. (2020, October). *Micro-genetic exploration of variations in number talk during brief structured parent-child interactions*. Lightning talk presented at the Home Math Environment Virtual Conference.
- Silver, A. M., Marlin, T.*, Convery, C.*, **Elliott, L.**, & Libertus, M. (2020, September). *Factors predicting parental math input with their preschool-aged child*. Poster presented at the Interacting Brains: Adult-Child Interaction from Multiple Perspectives – Online Conference.
- Elliott, L.**, Betancur, L., Bachman, H. J., Votruba-Drzal, E., & Libertus, M. (2020, June). *When time is tight, how do parents make math happen?* Paper accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.
- Elliott, L.**, Silver, A. M., Imbeah, A.*, & Libertus, M. (2020, June). *Math skills predict children's spontaneous focusing on number through behavior, not talk*. Paper accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.
- Elliott, L.**, Bachman, H. J., Navarro, M., Betancur, L., Votruba-Drzal, E., & Libertus, M. (2020, June). *Contextual predictors of math support: Comparing measures of math at home*. Poster accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.

Silver, A. M., **Elliott, L.**, & Libertus, M. (2020, June). *When beliefs matter most: Examining children's math achievement in the context of parental math anxiety*. Paper accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.

Silver, A. M., **Elliott, L.**, & Libertus, M. (2020, June). *Frequent math activities are only helpful for preschool-aged children who have acquired some foundational number knowledge*. Poster accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.

Ribner, A., Silver, A. M., **Elliott, L.**, & Libertus, M. (2020, June). *Exploring effects of an early math intervention: The importance of parent-child math activity engagement*. Paper accepted to the Annual Meeting of the Mathematical Cognition and Learning Society (cancelled due to COVID-19): Dublin, Ireland.

Hughes, J.* , **Elliott, L.**, Betancur, L., Lemmon, M.* , Blatt, L., Kammerzell, J., Votruba-Drzal, E., Bachman, H. J., & Libertus, M. (2019, October). *Using time diaries to measure parental support for spatial skills*. Poster presented at the 2019 Cognitive Development Society Conference, Louisville, KY.

Imbeah, A.* , **Elliott, L.**, Silver, A. M., & Libertus, M. (2019, October). *Do actions speak louder than words? Measuring children's focusing on number*. Poster presented at the 2019 Cognitive Development Society Conference, Louisville, KY.

Ribner, A., Silver, A. M., **Elliott, L.**, & Libertus, M. (2019, October). *Exploring effects of an early math intervention: The importance of parent-child interaction*. Poster presented at the 2019 Cognitive Development Society Conference, Louisville, KY.

Silver, A. M., Marlin, T.* , **Elliott, L.**, & Libertus, M. (2019, October). *Factors predicting parental math input with their preschool-aged child*. Poster presented at the 2019 Cognitive Development Society Conference, Louisville, KY.

Silver, A. M., Convery, C.* , **Elliott, L.**, & Libertus, M. (2019, October). *Executive functioning moderates the effect of parental elicitation of math concepts on preschoolers' math performance*. Poster presented at the 2019 Cognitive Development Society Conference, Louisville, KY.

Silver, A. M., **Elliott, L.**, & Libertus, M. (2019, June). *The influence of parent and child factors on preschool-aged children's spontaneous focusing on number*. Paper presented at the Annual Meeting of the Mathematical Cognition and Learning Society: Ottawa, Canada.

Patronick, J.* , **Elliott, L.**, & Libertus, M. (2019, June). *Maternal gender biases in early exposure to mathematics*. Poster presented at the Annual Meeting of the Mathematical Cognition and Learning Society: Ottawa, Canada.

- Bachman, H. J., Navarro, M., & **Elliott, L.** (2019, April). *Examining the sequencing of preschool programs and elementary school types for low-income children's achievement trajectories*. Paper presented at the American Educational Research Association Annual Meeting: Toronto, Canada.
- Elliott, L.**, Thippana, J. *, Gehman, S. *, & Libertus, M. (2019, March). *Measuring parental math stimulation for young children*. Paper presented at the Society for Research in Child Development Biennial Meeting: Baltimore, MD.
- Elliott, L.**, Zheng, P. *, & Libertus, M. (2019, March). *Individual differences in parental support for math and literacy in early childhood*. Poster presented at the Society for Research in Child Development Biennial Meeting: Baltimore, MD.
- Imbeah, A. M. *, **Elliott, L.**, & Libertus, M. (2019, March). *Relations between spontaneous focusing on number, non-symbolic number processing, and math abilities*. Poster presented at the Society for Research in Child Development Biennial Meeting: Baltimore, MD.
- Gehman, S. *, **Elliott, L.**, Thippana, J. *, & Libertus, M. (2019, March). *Toys and number talk elicitation: A gendered perspective*. Poster presented at the Society for Research in Child Development Biennial Meeting: Baltimore, MD.
- Thippana, J. *, **Elliott, L.**, Gehman, S. *, & Libertus, M. (2019, March). *Examining individual variability in parental number talk during math activities at home*. Poster presented at the Society for Research in Child Development Biennial Meeting: Baltimore, MD.
- Elliott, L.** (2018, November). *How do low-SES parents support their young children's academic achievement?* Poster presented at the National Council on Family Relations Annual Conference: San Diego, CA.
- Hanner, E. *, Braham, E., **Elliott, L.**, & Libertus, M. (2018, September). *Supermarket signs promote math talk among adults and young children*. Poster presented at the International Mind Brain and Education Society Conference: Los Angeles, CA.
- Elliott, L.** (2018, April). *Exposure to kindergarten math instruction: Unpacking patterns of selection on a national scale*. Paper presented at the American Educational Research Association Annual Meeting: New York, NY.
- Elliott, L.**, & Libertus, M. (2018, April). *How children make sense of number talk in early childhood: The importance of understanding cardinality*. Paper presented at the American Educational Research Association Annual Meeting: New York, NY.
- Bachman, H. J., **Elliott, L.**, Scott, P., & Navarro, M. (2018, April). *Short- and long-term benefits of preschool for Latino children: The moderating influence of home language*. Paper presented at the American Educational Research Association Annual Meeting: New York, NY.

- Elliott, L.,** Bachman, H. J., & Henry, D. (2018, April). *Why and how do parents promote math learning with their young children?* Poster presented at the American Educational Research Association Annual Meeting: New York, NY.
- Bachman, H. J., **Elliott, L.,** Scott, P., & Navarro, M. (2017, November). *Charter school enrollment impacts for low-income children's early achievement trajectories.* Poster presented at the annual meeting of the Association for Public Policy Analysis and Management, Chicago, IL.
- Thippana, J. *, **Elliott, L.,** & Libertus, M. (2017, October). *What influences variability in parent's number talk in the lab and at home?* Poster presented at the 2017 Cognitive Development Society Conference, Portland, OR.
- Elliott, L.,** Feigenson, L., Halberda, J., & Libertus, M. (2017, May). *Bidirectional, longitudinal associations between math ability and approximate number system acuity in childhood.* Poster presented at the Math Cognition Conference: Nashville, TN.
- Elliott, L.,** & Libertus, M. (2017, April). *Inhibitory control and the Approximate Number System: Significant but separate predictors of early math abilities.* Paper presented at the 2017 Society for Research in Child Development Biennial Meeting: Austin, TX.
- Libertus, M., **Elliott, L.,** & Braham, E. J. (2017, April). *Parents' own number sense and math abilities explain variability in informal math talk with their children.* Paper presented at the Society for Research in Child Development Biennial Meeting: Austin, TX.
- Bachman, H. J., **Elliott, L.,** Scott, P., & Navarro, M. (2017, April). *The impact of charter school enrollment on low-income children's early math trajectories.* Paper presented at the Society for Research in Child Development Biennial Meeting: Austin, TX.
- Elliott, L.,** & Bachman, H. J. (2017, April). *Understanding parental goals for math in early childhood: A qualitative analysis.* Poster presented at the Society for Research in Child Development Biennial Meeting: Austin, TX.
- Bachman, H. J., **Elliott, L.,** & Scott, P. (2016, April). *Dynamic trends in kindergarten enrollment patterns in publicly funded schools of choice.* Roundtable discussion presented at the American Educational Research Association Annual Meeting: Washington, D.C.
- Scott, P., Stone, C. A., Bachman, H. J., & **Elliott, L.** (2016, April). *Comparing Heckit and propensity methods under conditions when there is evidence of selection into treatment.* Poster presented at the American Educational Research Association Annual Meeting: Washington, D.C.
- Keller, L.,** & Libertus, M. (2015, June). *Inhibitory control does not explain the link between approximation and math abilities in children.* Poster presented at the Jean Piaget Society Annual Meeting; Toronto, Canada.

Keller, L. & Bachman, H. J. (2015, March). *Parents' educational beliefs and enrichment practices: Moderation by socioeconomic status?* Poster presented at the Society for Research in Child Development Biennial Meeting; Philadelphia, PA.

Bachman, H. J., **Keller, L.**, & Scott, P. (2015, March). *Maternal education transitions and changes in parents' academic socialization practices during elementary school.* Poster presented at the Society for Research in Child Development Biennial Meeting; Philadelphia, PA.

Keller, L. & Libertus, M. (2015, March). *Examining the importance of child- and parent-level cognitive factors in predicting children's early math abilities.* Poster presented at the Society for Research in Child Development Biennial Meeting; Philadelphia, PA.

INTERNAL RESEARCH PRESENTATIONS

Elliott, L., & Libertus, M. (2018, March). *How children make sense of number talk in early childhood: The importance of understanding cardinality.* Paper presented at the University of Pittsburgh Dietrich School of Arts and Sciences Grad Expo: Pittsburgh, PA.

Elliott, L., Braham, E. J., & Libertus, M. (2017, March). *Understanding sources of individual variability in parents' number talk with young children.* Paper presented at the University of Pittsburgh Dietrich School of Arts and Sciences Grad Expo: Pittsburgh, PA.

Patronick, J.* , **Elliott, L.**, & Libertus, M.E. (2017, April). *Measuring preschoolers' preference for changing numerosity.* Poster presented at the Department of Psychology Student Research Poster Session: Pittsburgh, PA.

Rappaport, E.* , Imbeah, A.* , **Elliott, L.**, & Libertus, M.E. (2017, April). *Spontaneous focusing on number and counting skills in early childhood.* Poster presented at the Department of Psychology Student Research Poster Session: Pittsburgh, PA.

Pullman, E.* , Braham, E., **Elliott, L.**, & Libertus, M.E. (2017, April), *Number talk in preschoolers in a lab setting vs. museum setting.* Poster presented at the Department of Psychology Student Research Poster Session: Pittsburgh, PA.

Ryan, M.* , Kolar, S.* , **Elliott, L.**, & Libertus, M. (2016, April). *Approximate Number Acuity in Children Ages 3 and 4.* Poster presented at the Department of Psychology Student Research Poster Session: Pittsburgh, PA.

Keller, L. & Bachman, H. J. (2014, April). *Parents' beliefs and practices regarding school readiness: Assessing the influence of socioeconomic status.* Poster presentation at the Department of Psychology Diversity Research Poster Session: Pittsburgh, PA.

Keller, L. & Bachman, H. J. (2014, March). *Parents' beliefs and practices regarding school readiness: Assessing the influence of socioeconomic status.* Poster presentation at the University of Pittsburgh Dietrich School of Arts and Sciences Grad Expo: Pittsburgh, PA.

ACADEMIC SERVICE

NSF Panel Reviewer: 2021

Journal of Applied Developmental Psychology Editorial Board Member

Peer Reviewer for *Child Development*, *Cognitive Development*, *Journal of Applied Developmental Psychology*, *Journal of Experimental Child Psychology*, *AERA Open*, *Journal of Child and Family Studies*, *Journal for Research in Mathematics Education*, *Merrill Palmer Quarterly*, *International Journal of Early Years Education*, *Journal of Research in Childhood Education*, *Frontiers in Psychology*, *Children and Youth Services Review*

DEPARTMENTAL SERVICE AND INVOLVEMENT

2019-2021 LRDC Communications Committee Member
2016-2018 Community for Advanced Methodological Learning (CAMEL) Facilitator
2016-2017 VIPitt Diversity Recruitment Weekend Committee Member
2015-2018 Diversity Committee Co-Chair
2014-2018 Hot Medal Bridge Post-Baccalaureate Program Mentor
2013-2018 Diversity Committee Member

ACADEMIC HONORS AND AWARDS

2018 University of Pittsburgh Andrew Mellon Predoctoral Fellowship
2018 Society for Research in Child Development SECC Dissertation Funding Award
2018 University of Pittsburgh Department of Psychology Diversity Research Mini-Grant
2018 Tim Post Memorial Award for Research Excellence Second Place Award
2018 University of Pittsburgh Arts and Sciences GSO Summer Research Award
2018 American Educational Research Association Division E SEED Grant Finalist
2017 Society for Research in Child Development Student Travel Award
2017 University of Pittsburgh Arts and Sciences Grad Expo Paper Presentation Award
2015 Society for Research in Child Development Student Travel Award
2013 University of Pittsburgh Dietrich School of Arts and Sciences Fellowship
2013 Halsey MacPhee Award for Top Graduating Psychology Student
2013 Robert J. Di Pietro Award for Undergraduate Achievement in Cognitive Science
2012 University of Delaware Summer Science and Engineering Scholar Research Award
2011 University of Delaware General Honors Award

PROFESSIONAL AFFILIATIONS

American Educational Research Association, Division E
Society for Research in Child Development
National Council on Family Relations

METHODOLOGICAL TRAINING AND EXPERIENCE

NSF DRK-12 CADRE Postdoctoral Professional Growth Opportunity	2020
AERA-NSF Institute on Statistical Analysis: Development of Mathematics Competencies in Early Childhood	2020
Mixed Methods Workshop with Dr. John W. Creswell	2018
ICPSR Summer Workshop: Head Start Family and Child Experiences Survey	2017
Undergraduate Honor Thesis Statistics Mentor	2016-2018

Advanced Coursework:

- Hierarchical Linear Modeling
- Structural Equation Modeling
- Multivariate Analysis
- Group-Based Trajectory Modeling
- Advanced Longitudinal Data Analysis
- Causal Inference in Educational Research
- Research Interviewing
- Qualitative Data Analysis

TEACHING EXPERIENCE

Developmental Psychology (Instructor of Record – 84 students)	Fall 2017
Regression (Teaching Assistant, doctoral level course – 18 students)	Spring 2018
Developmental Psychology (Teaching Assistant, two sections – 90 students each)	Spring 2015
Learning and Motivation (Lab Instructor – 16 students)	Fall 2014
Learning and Motivation (Teaching Assistant – 90 students)	Fall 2014

Guest Lectures and Presentations:

- Theories of Cognitive Development in undergraduate Developmental Psychology course
- Intelligence and Academic Achievement in undergraduate Developmental Psychology course
- Moderation Analyses in Doctoral Regression Course
- Correlation, Regression, T-Tests, and ANOVA in Honors Thesis Seminar
- Review of Cross-Lagged Panel Models in CAMEL Graduate Statistics Practicum
- Introduction to Multilevel Modeling in CAMEL Graduate Statistics Practicum
- Primer on Structural Equation Modeling in CAMEL Graduate Statistics Practicum
- Introduction to Latent Growth Curves in CAMEL Graduate Statistics Practicum