

Christy Jenkins Brown

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EDUCATION

- Ph.D. in Educational Psychology** August 2013
The University of Georgia
Concentration: Quantitative Methods Program
- M.S. in Statistics** May 2010
The University of Georgia
Awarded Best Beginning Applied Student
- B.S.Ed. in Mathematics Education** May 2004
The University of Georgia
First Honor Graduate (designation for students with a perfect 4.00 GPA)

PROFESSIONAL EXPERIENCE

- Clinical Associate Professor** August 2022 – present
Quantitative Clinic Director January 2020 – present
Clinical Assistant Professor August 2019 – July 2022
Department of Education and Human Development
Clemson University
- Senior Lecturer** August 2018 – July 2019
Lecturer August 2013 – July 2018
School of Mathematical and Statistical Sciences
Clemson University
- Graduate Research Assistant** June 2010 – July 2013
Department of Educational Psychology/Georgia Center for Assessment
The University of Georgia
- Graduate Teaching Assistant** August 2008 – May 2010
Department of Statistics
The University of Georgia
- High School Math Teacher** July 2004 – July 2008
Loganville High School in Loganville, GA

RESEARCH

PUBLICATIONS

Peer-reviewed Articles

- Whaley, D., Townsend, J., **Brown, C.**, Stanojevic, C., & Zabriskie, R. (2026). Understanding the experiences of para-collegiate student-athletes: A mixed methods study. *Journal of Intercollegiate Sport*, 19(1), 1 – 34. <https://doi.org/10.17161/jis.v19i1.22950>
- Carpenter, M. E., **Brown, C.**, Hirsch, S. E., & Griffith, C. A. (2025). Who is on the BIP development team for students with IDD? A case study of one school district. *Behavior Modification*. Advance online publication. <https://doi.org/10.1177/01454455251397904>
- Savitz, R. S., Morrison, J. D., **Brown, C.**, Kane, B. D., Aldrich, C., & O’Byrne, W. I. (2025). Middle and high school teachers’ perceived expertise and needs in disciplinary literacy. *AERA Open*, 11. <https://doi.org/10.1177/23328584251400255>
- Eicher, L., Clark, V., & **Brown, C.** (2025). Paired for success: Enhancing the teacher residency experience through intentional mentor-mentee matching. *Journal of Teacher Education*, 76(5), 488-501. <https://doi.org/10.1177/00224871251364268>
- Whaley, D., Townsend, J., **Brown, C.**, Zabriskie, R., & Entrup, N. (2025). Adaptive sports as extraordinary experiences: Findings from a pilot study. *Therapeutic Recreation Journal*, 59(2), 223-240. <https://doi.org/10.18666/TRJ-2025-V59-I2-12728>
- Mueller, K. E., Van Puymbroeck, M., **Brown, C.**, Crowe, B. M., & Davis, N. (2025). Development and factor structure of the Mueller Assessment of Transition (MAT): A tool for measuring older adults’ wellbeing during transitions into assisted living facilities. *Journal of Aging and Environment*, 39(2), 121-137. <https://doi.org/10.1080/26892618.2023.2286550>
- Brown, C.**, Di, Y., & Slone, S. (2024). Considerations in developing a financial model for an academic statistical consulting centre. *Stat*, 13(2), e688. <https://doi.org/10.1002/sta4.688>
- Savitz, R. S., Morrison, J. D., **Brown, C.**, Aldrich, C., Kane, B. D., & O’Byrne, W. I. (2024). Secondary teachers’ adolescent literacy efficacy and professional learning considerations. *Reading Research Quarterly*, 59(1), 102-123. <https://doi.org/10.1002/rrq.521>
- Mueller, K. E., Van Puymbroeck, M., **Brown, C.**, Crowe, B. M., & Davis, N. (2023). Measuring older adults’ wellbeing when transitioning into assisted living facilities: A confirmatory factor analysis of the Mueller Assessment of Transition (MAT). *Aging and Mental Health*, 28(6), 936-942. <https://doi.org/10.1080/13607863.2023.2293054>
- Hirsch, S. E., Lewis, T. J., Griffith, C. A., Carlson, A., **Brown, C.**, & Katsiyannis, A. (2023). An analysis of selected aspects of functional behavioral assessments and behavior intervention plans. *The Journal of Special Education*, 57(3), 131-141. <https://doi.org/10.1177/00224669221146168>

Brown, C. & Templin, J. (2023). Modification indices for diagnostic classification models. *Multivariate Behavioral Research*, 58(3), 580-597. <https://doi.org/10.1080/00273171.2022.2049672>

Savitz, R. S., Allen, A. A., & **Brown, C.** (2022). Variations in RTI literacy implementation in grades 6-12: A national study. *Literacy Research and Instruction*, 61(1), 18-40. <https://doi.org/10.1080/19388071.2021.1887416>

Brown, C., Templin, J., & Cohen, A. (2015). Comparing the two- and three-parameter logistic models via likelihood ratio tests: A commonly misunderstood problem. *Applied Psychological Measurement*, 39(5), 335-348. <https://doi.org/10.1177/0146621614563326>

Published Conference Proceedings

Frady, K., Sims, R., & **Brown, C.** (2024). A quantitative exploration of geographic and demographic variability in transfer-student capital assets and support for pre-transfer engineering students. *Proceedings of the 2024 American Society of Engineering Education Annual Conference*, Portland, OR. <https://doi.org/10.18260/1-2--46482>

Hirsch, S. E., **Brown, C.**, Griffith, C., Edwards-Bowyer, M., Lewis, T., & Duple Moore, T. (2024). Exploring the length of time between functional behavioral assessments and behavior intervention plans. In M. Tankersley, & J. Butto- Hebebrand (Eds.). *Advancing Special Education: The Kent State University International Summit on Learning and Behavioral Health* (pp. 75-86). <https://www.viella.it/libro/9791254699881>

Frady, K., **Brown, C.**, High, K., Hughes, C., O'Hara, R., & Huang, S. (2021). Developing two-year college student engineering technology career profiles. *Proceedings of the 2021 American Society of Engineering Education Virtual Annual Conference*, Virtual Online. <https://doi.org/10.18260/1-2--36945>

Gallagher, E., Vagnozzi, A. M., Lanning, R., Brown, D. A., **Brown, C.**, Frady, K., Brisbane, J., Matthews, M., Murphy, J., Patel, K., Pfirman, A., Rabb, R., Roberts, R., Welch, R., & Gramopadhye, A. (2020). Poverty and guidance: Challenges and opportunities in mathematics preparation for engineering. *Proceedings of the 2020 American Society of Engineering Education Virtual Annual Conference*, Virtual Online. <https://doi.org/10.18260/1-2--35063>

Marcanikova, M., Gallagher, E., **Brown, C.**, Brisbane, J., Brown, D. A., Dunwoody, L., Frady, K., Hines, A., Murphy, J., Patel, K., Pfirman, A., Roberson, S., & Gramopadhye, A. (2019). High school technology as a NON-predictor of first college math course. *Proceedings of the 2019 American Society of Engineering Education Southeast Annual Regional Conference*, Raleigh, NC. <https://par.nsf.gov/servlets/purl/10098179>

Gallagher, E., Brown, D. A., **Brown, C.**, Frady, K., Bass, P., Matthews, M., Peters, T., Rabb, R., Sloan, I., Welch, R., & Gramopadhye, A. (2018). Prevalent mathematical pathways to engineering in South Carolina. *Proceedings of the 2018 American Society of Engineering Education Annual Conference*, Salt Lake City, UT. <https://doi.org/10.18260/1-2--30890>

Gallagher, E., **Brown, C.**, Brown, D. A., Frady, K., Marcanikova, M., Atamturktur, S., Ihekweazu, S., Matthews, M., Rabb, R., Roberts, R., Solan, I., Welch, R., & Gramopadhye, A. (2018). Statewide coalition: Supporting underrepresented populations in Precalculus through organizational redesign toward engineering diversity (SC:SUPPORTED) results from year one. *Proceedings of the 2018 American Society of Engineering Education Annual Conference and Exposition*, Salt Lake City, UT. <https://doi.org/10.18260/1-2--30039>

Other Publications

Savitz, R. S., Morrison, J. D., **Brown, C.**, Kane, B. D., Aldrich, C., & O'Byrne, W. I. (2025). Teachers' self-efficacy in content-area and disciplinary literacy (CADL) scale and data [Data set]. ICPSR. <https://doi.org/10.3886/E239165V1>

Bundrick, L. (Host), **Brown, C.** (Guest), & Alexander A. M. (Guest). (2023, March 19). *Hybrid highs and lows* (S7 E19) [Audio podcast episode]. The Contemporary College Student Podcast. <https://open.spotify.com/episode/0e4tG91DSLFKcSW59dMgav>

Brown, C. (2021). *Selecting an appropriate chi-square test* [Video file]. The College Board AP Statistics Faculty Lecture Series. <https://www.youtube.com/watch?v=zXc1GDwCNwY>

Unpublished Technical Reports

Brown, C. (2025) *A multivariate analysis of the relationships between locale, poverty, teacher turnover, principal stability, and student achievement in SC public schools*. (Technical Report No. EHDQC-TR-2025-07). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., & Carpenter, M. (2025). *Year 1 evaluation report: Research administration capacity heightening in South Carolina*. (Technical Report No. EHDQC-TR-2025-06). Education and Human Development Quantitative Clinic, Clemson University.

Hunter, A., & **Brown, C.** (2025). *Exploring the factor structure of the pre-service teacher online teaching motivation scale*. (Technical Report No. EHDQC-TR-2025-05). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., & Hunter, A. (2025). *Exploratory factor analysis of the family science wealth survey*. (Technical Report No. EHDQC-TR-2025-01). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., Carpenter, M., Bowen, C., Clark, V., Hunter, A., & Adisa, J. (2024). *Year 6 external evaluation report: NSF Research Traineeship (NRT) Technology-Human Integrated Knowledge Education and Research (THINKER) program* (Technical Report No. EHDQC-TR-2024-07). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., & Hunter, A. (2023). *Adaptive sports as extraordinary experiences: Results from a pilot study* (Technical Report No. EHDQC-TR-2023-11a). Education and Human Development Quantitative Clinic, Clemson University.

- Brown, C., & Hunter, A. (2023).** *Behavior intervention plan development team considerations for students with intellectual and developmental disabilities* (Technical Report No. EHDQC-TR-2023-11b). Education and Human Development Quantitative Clinic, Clemson University.
- Brown, C., & Hunter, A. (2023).** *Functional behavior assessment and behavior intervention plans: Does time matter?* (Technical Report No. EHDQC-TR-2023-10). Education and Human Development Quantitative Clinic, Clemson University.
- Brown, C., burke, a. f., Clark, V., & O'Hara, R. (2023).** *Year 5 external evaluation report: NSF Research Traineeship (NRT) Technology-Human Integrated Knowledge Education and Research (THINKER) program* (Technical Report No. EHDQC-TR-2023-05). Education and Human Development Quantitative Clinic, Clemson University.
- Clark, V., & **Brown, C. (2023).** *Analysis of teacher residency matching data* (Technical Report No. EHDQC-TR-2023-04). Education and Human Development Quantitative Clinic, Clemson University.
- Huang, S., O'Hara, R., & **Brown, C. (2023).** *Comparing student achievement data between early career teachers from teacher resident and traditional student teaching programs* (Technical Report No. EHDQC-TR-2023-01). Education and Human Development Quantitative Clinic, Clemson University.
- Brown, C. (2023).** *Little Lights Learning Center parent survey results Fall 2022* (Technical Report No. EHDQC-TR-2022-10). Education and Human Development Quantitative Clinic, Clemson University.
- Brown, C., Alexander, A. M., & O'Hara, R. (2022).** *Year 4 external evaluation report: NSF Research Traineeship (NRT) Technology-Human Integrated Knowledge Education and Research (THINKER) program* (Technical Report No. EHDQC-TR-2022-06). Education and Human Development Quantitative Clinic, Clemson University.
- Brown, C., & O'Hara, R. (2022).** *A longitudinal analysis of the Building Content Knowledge of Elementary Teachers of Science (BuCKETS) program Year 1 data* (Technical Report No. EHDQC-TR-2022-04). Education and Human Development Quantitative Clinic, Clemson University.
- O'Hara, R., Huang, S., & **Brown, C. (2022).** *Examining parent and student perceptions of reading motivation and opportunities at home in the Tigers Read summer reading program* (Technical Report No. EHDQC-TR-2022-03). Education and Human Development Quantitative Clinic, Clemson University.
- Carlson, A., & **Brown, C. (2021).** *Examining the impact of the Classroom Teaching (CT) Scan observation tool* (Technical Report No. EHDQC-TR-2021-12). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C. (2021). *Examining literacy instruction across the disciplines in South Carolina middle and high school classrooms* (Technical Report No. EHDQC-TR-2021-09). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C. (2021). *An analysis of career domains in engineering technology students* (Technical Report No. EHDQC-TR-2021-07). Education and Human Development Quantitative Clinic, Clemson University.

O'Hara, R., & **Brown, C.** (2021). *Psychometric properties of the Tigers Read Me and My Reading survey* (Technical Report No. EHDQC-TR-2021-04). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., Huang, S., & O'Hara, R. (2021). *An analysis of career anchors in engineering technology students* (Technical Report No. EHDQC-TR-2021-01). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C. (2020). *Analyzing the effectiveness of the Tigers Read summer reading program* (Technical Report No. EHDQC-TR-2020-05). Education and Human Development Quantitative Clinic, Clemson University.

Brown, C., & O'Hara, R. (2020). *Analysis of response to intervention teacher survey data* (Technical Report No. EHDQC-TR-2020-04). Education and Human Development Quantitative Clinic, Clemson University.

PRESENTATIONS

International and National Conferences

Wenner, J.A. & **Brown, C.** (2026, January). *Science starts at home: Creating a tool to understand parental support for children's science pathways*. Poster presented at the annual meeting of the Association of Science Teacher Education in Chicago, IL.

Wenner, J.A. & **Brown, C.** (2025, August). *Development of the family science wealth survey: A survey for parents to share how they support their children in science*. Paper presented at the annual conference of the European Science Education Research Association in Copenhagen, Denmark.

Brown, C., Di, Y., & Slone, S. (2025, August). *Considerations in developing a financial model for an academic statistical consulting center*. Paper presented at the Joint Statistical Meetings in Nashville, TN.

Savitz, R., & **Brown, C.** (2024, November). *Cultivating critical consciousness: An examination of educational equity discussions*. Paper presented at the annual conference of the Association of Literacy Educators and Researchers in Orlando, FL.

- Morrison, J., Savitz, R., **Brown, C.**, & Aldrich, C. (2024, November). *Exploring teachers' self-efficacy in enacting literacy practices in content area classrooms*. Paper presented at the annual conference of the Association of Literacy Educators and Researchers in Orlando, FL.
- Slone, S., **Brown, C.**, & Di, Y. (2024, October). *Financial model considerations for academic statistical consulting centers in transition*. Paper presented at the Women in Statistics and Data Science Conference in Reston, VA.
- Morrison, J., **Brown, C.**, & Savitz, R. (2024, March). *Exploring how teachers' self-efficacy in enacting literacy practices in content area classrooms impacts teacher educators' professional learning opportunities*. Paper presented at the annual conference of the Association of Teacher Educators in Anaheim, CA.
- Lorah, J., & **Brown, C.** (2023, June). *Integrating social justice issues within the postsecondary statistics curriculum*. Breakout session presented at the U.S. Conference on Teaching Statistics in State College, PA.
- Morrison, J., Savitz, R., **Brown, C.**, Kane, B., O'Byrne, W. I., Aldrich, C., & Ming, K. (2022, November). *Determining how teachers' self-efficacy and dispositions impact literacy instruction in content area classrooms*. Paper presented at the annual conference of the Literacy Research Association in Phoenix, AZ.
- Mueller, K., Van Puymbroeck, M., Crowe, B.M., **Brown, C.**, & Davis, N. (2022, September). *Is there a relationship between perceived health and wellbeing during older adults' transitions into assisted living facilities?* Paper presented at the annual conference of the American Therapeutic Recreation Association Annual Conference in Birmingham, AL.
- Mueller, K., Van Puymbroeck, M., Crowe, B.M., **Brown, C.**, & Davis, N. (2022, September). *The Mueller Assessment of Transition (MAT) for measuring older adults' wellbeing when transitioning into assisted living facilities: A confirmatory factor analysis*. Poster presented at the annual conference of the American Therapeutic Recreation Association Annual Conference in Birmingham, AL.
- Bates, C. C., Malloy, J., **Brown, C.**, Malloy, M., Hoover, H., & Madison, S. (2021, December). *Maintaining reading gains: Implementing a summer reading program for students served in Reading Recovery[®]*. Paper presented at the annual conference of the Literacy Research Association in Atlanta, GA.
- Malloy, J., Bates, C. C., O'Hara, R., **Brown, C.**, Malloy, M., Hoover, H., & Madison, S. (2021, November). *Bridging first and second: Parent and student perceptions of motivation in a summer reading program*. Paper presented at the annual conference of the Association of Literacy Educators and Researchers in Hilton Head Island, S.C.
- Brems, M., **Brown, C.**, Lee, H., Pittard, M., Ripp, S., & Slade, E. (2019, July). *Student engagement and interaction in online/hybrid courses*. Panel session presented at the Joint Statistical Meetings in Denver, CO.

Brown, C., & Breazel, E. (2019, July). *Preparing students for success on the AP Statistics investigative task*. Training session presented at the Advanced Placement Annual Conference in Orlando, FL.

Breazel, E., & **Brown, C.** (2018, July). *Top five activities you need for your AP Statistics classroom*. Training session presented at the Advanced Placement Annual Conference in Houston, TX.

Brown, C., Breazel, E., Johnson, E., Duggins, J., & Crissinger, B. (2017, August). *Developing partnerships with an AP Statistics practice exam*. Speed session and poster presented at the Joint Statistical Meetings in Baltimore, MD.

Breazel, E., & **Brown, C.** (2017, July). *The forgotten inference: Chi-squared tests and regression analysis*. Training session presented at the Advanced Placement Annual Conference in Washington, D.C.

Breazel, E., & **Brown, C.** (2016, July). *Conditions for inference: What are they and why do we need them?* Training session presented at the Advanced Placement Annual Conference in Anaheim, CA.

Breazel, E., & **Brown, C.** (2015, July). *What's wrong with accepting the null hypothesis?* Training session presented at the Advanced Placement Annual Conference in Austin, TX.

Breazel, E., & **Brown, C.** (2014, July). *Bias vs. error – what is the difference?: Helping students communicate statistical understanding of experimental design clearly*. Training session presented at the Advanced Placement Annual Conference in Philadelphia, PA.

Brown, C., & Templin, J. (2014, April). *Modification indices for diagnostic classification models*. Dissertation presented at the annual meeting of the National Council on Measurement in Education in Philadelphia, PA.

Jenkins, C., Templin, J., & Cohen, A. (2012, April). *Comparing the two- and three-parameter logistic models via likelihood ratio tests: A commonly misunderstood problem*. Paper presented at the annual meeting of the National Council on Measurement in Education in Vancouver, British Columbia, Canada.

Alexeev, N., Cohen, A., Gregg, N., & **Jenkins, C.** (2011, April). *Factors affecting the formation of latent classes in mixture IRT models*. Paper presented at the annual meeting of the National Council on Measurement in Education in New Orleans, LA.

Regional and State Conferences

Gallagher, E., **Brown, C.,** & Frady, K. (2019, March). *Predictive models for initial college math course and major selection based on high school institutional factors*. Paper presented at the South Carolina Educators for the Practical Use of Research Conference in Columbia, SC.

Brown, C., & Breazel, E. (2015, November). *Engaging activities for teaching statistics*. Training session presented at the South Carolina Council of Teachers of Mathematics Fall Conference in Greenville, SC.

Local Presentations

Brown, C., Gallagher, E., Brown, A., Frady, K., Gramopadhye, A. K. (2018, May). *Analysis of pathways to Calculus readiness for SC engineering students: Preliminary results from the SC: SUPPORTED NSF INCLUDES project*. Paper presented at the Clemson University Research Symposium in Clemson, SC.

SPONSORED RESEARCH

Currently Funded Grants

Evaluator: “GRANTED: Research Administration Capacity Heightening in South Carolina (REACH-SC),” National Science Foundation. PI: Shelia Cotten, Total Amount: \$2,010,355, Allocated Amount: \$201,035.50 (9/15/2024 – 8/31/2026).

Primary Statistician: “NOYCE Track 3: Building Leadership Among Science Teachers (BLAST) Program: Designing, Developing, and Implementing a Science Teacher Leadership Academy,” National Science Foundation: Division of Undergraduate Education (DUE-2243496). PI: Brooke Whitworth, Total Amount: \$2,896,659, Allocated Amount: \$579,331.80 (6/1/2023 – 5/31/2029).

Primary Statistician: “BCSER: Investigating Family Science Habitus and Science Capital to Support the Language of Possibility Around Science,” National Science Foundation: Division of Equity for Excellence in STEM (EES-2225149). PI: Julianne Wenner, Total Amount: \$349,579, Allocated Amount: \$34,957.90 (9/15/2022 – 8/31/2026).

Primary Statistician: “CAREER: Valuing Education and Career Transition Opportunities Raising Student Success (VECTORS) in Engineering,” National Science Foundation: Division of Engineering Education and Centers (EEC-2144213). PI: Kris Frady, Total Amount: \$599,943, Allocated Amount: \$29,997.15 (5/1/2022 – 4/30/2027).

Previously Funded Grants

Primary Statistician: “CU-PREPARES: Preparing Rural Educators for Priority Areas through Residency Expansion,” US Department of Education: Teacher Quality Partnership Grants. PI: Laura Eicher, Total Amount: \$2,309,906, Allocated Amount: \$123,673.05 (10/1/2023 – 9/30/2028). Grant terminated in February 2025.

Evaluator (2021-2024): “NRT: Technology-Human Integrated Knowledge Education and Researcher (THINKER),” National Science Foundation: Division of Graduate Education (DGE-1829008). PI: Laine Mears, Total Amount: \$2,993,421 (9/1/2018 – 8/31/2024).

Senior Personnel: “INCLUDES Statewide Consortium: Supporting Underrepresented Populations in Precalculus by Organizational Redesign Towards Engineering Diversity (SC:SUPPORTED),” National Science Foundation: Division of Engineering Education and Centers (EEC-1744497). PI: Anand Gramopadhye, Total Amount: \$299,994, Allocated Amount: \$44,999.10 (12/1/2017 – 11/30/2021).

Grants Currently Under Review

Primary Statistician: “Center of Excellence for Advancing Transformative Educators in Elementary Mathematics (A-TEEM),” South Carolina Commission on Higher Education. PI: Sandra Linder, Total Amount: \$531,169 (Submitted November 4, 2025).

Primary Statistician: “E-CORE: Rural Inspired STEM Education Ecosystem in South Carolina (RISE2-SC),” National Science Foundation: Office of Integrated Activities. PI: Matt Irvin, Total Amount: \$7,943,203 (Submitted July 14, 2025).

Senior Personnel: “Clemson Rural Elevated: Advanced Training in Education Sciences (CREATES) Fellowship Training Program,” Institute of Education Sciences. PI: Kristen Cuthrell, Total Amount: \$3,000,033 (Submitted April 11, 2024).

INTERNAL AWARDS

Open Access Publishing Fund, Clemson Libraries, 2025

Awarded \$1000 to support dissemination of collaborative research in the fully open access (gold OA) journal *AERA Open*.

Internal Research Grants Program, Clemson College of Education, 2024

Co-Principal Investigator on a \$9,959 award to investigate the effects of ECHO® on teachers’ knowledge, confidence, and usage of evidence-based behavioral support strategies for students with autism spectrum disorder.

Clemson Research Fellows Grant, Clemson Office of Research Development, 2023

Co-Principal Investigator on a \$150,000 award to support a postdoctoral researcher in program evaluation.

Faculty Learning Community Participant, Clemson Office of Teaching Effectiveness, 2019

Received \$400 for participation in a learning community for Clemson faculty on the Scholarship of Teaching and Learning (SoTL).

Faculty Learning Community Leader, Clemson Office of Teaching Effectiveness, 2018

Awarded \$1,500 to facilitate a learning community for Clemson faculty on innovative methods for teaching large enrollment general education courses. The learning community was selected from a campus-wide call for proposals.

General Education Assessment Program Participant, Clemson University, 2017 – 2018

Received \$2,500 per year for participation in assessment of student proficiencies in general education competencies at Clemson University.

TIGER Grant, Clemson College of Engineering, Computing, and Applied Science, 2017

The Clemson research team for the NSF funded SC:SUPPORTED research project was awarded \$14,631 to accelerate the data collection and analysis timeline.

Online Course Development Grant, Clemson College of Engineering and Science, 2015

Awarded \$7,500 for the development of an online version of the Statistical Methods I course at Clemson University with an initial offering in Summer 2016.

RESEARCH HONORS AND AWARDS

Second Place Conference Research Poster

American Therapeutic Recreation Association

2022

Best Conference Paper Award

Two-Year College Division, American Society of Engineering Education

2021

TEACHING & ADVISING

COURSES TAUGHT

Clemson University

EDF 9270: Quantitative Research Designs and Statistics for Educational Contexts (2 semesters in-person, 1 semester online synchronous, 4 semesters HyFlex)

EDF 9770: Multiple Regression / General Linear Model in Educational Research (2 semesters in-person, 1 semester online synchronous, 3 semesters HyFlex)

EDF 9780: Multivariate Educational Research (1 semester; independent study)

EDF 9830: Data Science in Education (2 semesters HyFlex)

STAT 2300: Statistical Methods I (11 semesters in-person, 4 semesters online asynchronous)

STAT 3090: Introductory Business Statistics (2 semesters in-person)

MATH 1040: Precalculus and Introductory Differential Calculus (1 semester in-person)

MATH 1070: Differential and Integral Calculus (1 semester in-person)

MATH 9000: Preparing for College Teaching in Mathematical Sciences (4 semesters in-person)

The University of Georgia

STAT 2000: Introductory Statistics (1 semester)

STAT 2000 Lab: Introductory Statistics Laboratory (3 semesters)

STAT 4210: Statistical Methods (1 semester)

Loganville High School, Loganville, GA

Advanced Placement (AP) Statistics (4 semesters)
Statistics (3 semesters)
SAT Math Prep (1 semester)
Euclidean Geometry (6 semesters)

DISSERTATION COMMITTEES

Chair/Co-Chair

Ashley Hunter (In Progress; Teaching and Learning)

Methodologist

Erin Hynum (In Progress, Educational Leadership)
Sarah Smith (In Progress, Teaching and Learning)
Ekemeni Eshiett (In Progress, Special Education)
Bronwyn Bigger (In Progress, Special Education)
Tiffany Deal (In Progress, Educational Leadership)
Jean-Michel Saade (In Progress, Educational Leadership)
Kafayat Adesina (In Progress, Teaching and Learning)
Kate Radford (In Progress, Educational Leadership)
Cassi Bowen (In Progress, Educational Leadership)
Alex Denison (In Progress; Learning Sciences)
Virginia Clark (In Progress; Learning Sciences)
Kelli Seawell (In Progress; Educational Leadership)
Jacqui DiMaggio (In Progress; Educational Leadership)
Amy Burke (In Progress; Educational Leadership)
Ashleigh Burke (PhD in Special Education, May 2025)
Anne Grant (PhD in Learning Sciences, December 2024)
Derek Whaley (PhD in Parks, Recreation, and Tourism Management, May 2024)
Samantha Scott (PhD in Special Education, May 2024)
Anne Marie Alexander (PhD in Educational Leadership, May 2023)
Charlotte Branyon (Doctor of Nursing Practice, August 2022)
Kaitlin Mueller (PhD in Parks, Recreation, and Tourism Management, May 2022)
Myles Surrent (PhD in Educational Leadership, December 2021)

TEACHING HONORS AND AWARDS

Excellence in Teaching Award Finalist 2023
College of Education, Clemson University

Excellence in Teaching 2018
College of Science, Clemson University

SERVICE

SERVICE TO PROFESSION

Wiley Mathematics & Statistics Faculty Panel Member, 2024

Models for Sustainable and Inclusive Data Science Consulting and Collaboration in Higher Education Workshop Series Participant, NC State University, 2023

Service to the Advanced Placement (AP) Statistics Community

College Board Endorsed AP Statistics Workshop Consultant 2020 – present

- UNC Charlotte AP Statistics Summer Institute
July 24-27, 2023 (21 participants)
July 22-25, 2024 (13 participants)
July 14-27, 2025 (11 participants)
- UT Austin AP Statistics Summer Institute
July 19-22, 2022 (26 participants)
July 9-12, 2024 (25 participants)

AP Statistics Exam Rater for Educational Testing Service 2008 – present

- Question Leader, 2021; 2022
- Rubric Team Member, 2023; 2025
- Table Leader, 2016 – 2019; 2024
- Reader, 2008 – 2015

AP Statistics Teacher Community Co-Coordinator 2017 – present
Greenville, SC

AP Statistics Instructional Design Team Member 2018 – 2019
AP Statistics Course and Exam Description Contributor
The College Board

Clemson AP Statistics Practice Exam Coordinator 2014 – 2019
School of Mathematical and Statistical Sciences, Clemson University

Peer Reviewer

National Science Foundation review panel (2023; 2025)
Statistics Education Research Journal (3 articles)
Journal of Statistics and Data Science Education (1 article)
AERA Open (1 article)
Journal of Educational and Behavioral Statistics (1 article)

Introduction to Statistical Investigations, 2nd edition by Tintle et al.
Intermediate Statistical Investigations, 1st edition by Tintle et al.

UNIVERSITY SERVICE

Learning Sciences Doctoral Program Advisory Committee, Member Department of Education and Human Development, Clemson University	2019 – present
Faculty Senator	2024 – present
Non-tenure Track Issues Committee, Co-Chair	2025 – present
Non-tenure Track Issues Committee, Member Clemson University Faculty Senate	2024 – 2025
Learning Sciences Cluster Hire Search Committee, Member Department of Education and Human Development, Clemson University	2024 – present
HyFlex Taskforce, Member College of Education, Clemson University	2024 – 2025
Tenure, Promotion, and Reappointment Guidelines Revision Workgroup, Co-Chair College of Education, Clemson University	2024 – 2025
Graduate Curricular Workgroup, Member College of Education, Clemson University	2024 – 2025
Department Chair Search Committee, Member Department of Education and Human Development, Clemson University	2024
Research Fellow in Special Education Search Committee, Member Department of Education and Human Development, Clemson University	2023
Academic Technology Council, Member Clemson University	2019 – 2022
Assistant/Associate Professor of Quantitative Methods Search Committee, Member Department of Education and Human Development, Clemson University	2021 – 2022
Associate Professor of Quantitative Methods Search Committee, Member Department of Education and Human Development, Clemson University	2020 – 2021
General Education Assessment Subcommittee, Member Clemson University	2018 – 2019
Statistical Methods I Course Coordinator School of Mathematical and Statistical Sciences, Clemson University	2015 – 2019

Mathematics Curriculum Team, Member
The University of Georgia 2011 – 2013

Open Rank Faculty Search Committee, Graduate Student Member
Department of Educational Psychology, The University of Georgia 2013

PROFESSIONAL MEMBERSHIPS

American Statistical Association (ASA) 2012 – present
National Council on Measurement in Education (NCME) 2014 – present
American Educational Research Association (AERA) 2021 – present

SERVICE HONORS AND AWARDS

Excellence in Service 2021
College of Education, Clemson University