KIRSTEN DOEHLER, Ph.D.

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SENIOR EDUCATOR AND RESEARCHER focused on delivering excellence in statistics education through skilled instruction, scholarship, leadership, service, and professional development. Consistently contributes to disciplinary knowledge through extensive research, collaboration, publications, and presentations. Academic leadership includes active participation on Academic Council as well as past service as Chair of the Global Education Curriculum Committee, Chair of the Athletics Committee, Statistics Program Coordinator, and First-Year Mathematics and Statistics Coordinator. Committed to inspiring students to appreciate the real-world importance of statistics.

(Highlighting indicates accomplishments in 2023 and 2024)

Education

2006	Ph.D., Statistics, North Carolina State University Advisor: Marie Davidian
2002	Master of Statistics, North Carolina State University
2000	B.A., Mathematics and Education, State University of New York College at Geneseo

Experience

2023 - present	**Professor of Statistics, Elon University**
2018 - 2021	**First-Year Coordinator (Mathematics and Statistics)** Coordinated and planned assessment. Worked with other Core Curriculum Coordinators. Provided support for full-time and adjunct instructors teaching in the core curriculum.
2014 - 2023	**Associate Professor of Statistics with tenure, Elon University**
2013 - 2017	**Statistics Program Coordinator, Elon University** Completed program assessments, organized reviews of senior portfolios, provided academic guidance to students, and led significant curriculum improvements.
2008 - 2014	**Assistant Professor of Statistics, Elon University**
2007 - 2018	**Reader, Educational Testing Service** Trained and participated in the grading of the Free Response Questions of the Advanced Placement Statistics exams.
2006 - 2008	**Assistant Professor of Statistics, University of North Carolina at Greensboro**
2000 - 2004	**Statistics Instructor/Teaching Assistant, North Carolina State University**

Fellowships

2006 - 2007	**Project NExT Fellow, Mathematics Association of America** Participated in Project NExT (New Experiences in Teaching).
2004 - 2006	**VIGRE Fellow, National Science Foundation** Mathematical Sciences VIGRE (Vertical Integration of Research and Education) Fellow.

Teaching

Elon University	Most Recently Taught	# of Students
STS 1100 Intro. to Statistical Reasoning (in-person)	Spring 2023	60 (2 sections)
STS 1100 Intro. to Statistical Reasoning (online)	Summer 2021	11
STS 2120 Statistics in Application	Fall 2023	27
STS 213 Survey Sampling Methods	Fall 2015	23
STS 232 Statistical Modeling	Spring 2018	45 (2 sections)
STS 3250 Design and Analysis of Experiments	Fall 2023	23
STS 256 Applied Nonparametric Statistics $^+$	Spring 2016	18
STS 3270 Statistical Computing for Data Management $^+$	Fall 2021	23
STS 342 Statistical Theory $^+$	Spring 2015	7
STS 460 Statistics Practicum $^+$	Fall 2018	8
STS 481 Internship in Statistics	Spring 2021	1
STS 4999 Independent Research in Statistics	Fall 2021	1
COE 310 Transition Strategies for Statistics Majors	Fall 2015	9
COR 110 The Global Experience	Spring 2020	42 (2 sections)
ELON 101 First Year Advising Seminar	Fall 2017	17
GBL 1980 Dominican Republic (D.R.) Prep. Seminar	Fall 2023	25
GBL 2980 D.R. Study Abroad: Baseball and Tourism	Winter 2024	23
HNR 498 Honors Thesis	Fall 2019	1
MTH 112 General Statistics	Spring 2010	55 (2 sections)
MTH 481 Internship in Mathematics	Summer 2018	1

$^+$*Developed and taught First offering of course at Elon.*

University of North Carolina at Greensboro	Most Recently Taught	# of Students
STA 108 Intro. to Probability and Statistics	Summer 2008	29
STA 290 Intro. to Probability and Statistical Inference	Fall 2007	6
STA 352 Statistical Inference	Spring 2008	4
STA 551 Probability and Mathematical Statistics I	Fall 2006	7
STA 552 Probability and Mathematical Statistics II	Spring 2007	5
STA 573 Theory of Linear Regression	Spring 2007	11
STA 673 Linear Models	Fall 2007	3
STA 699 Graduate Thesis	Spring 2008	1

North Carolina State University	Most Recently Taught	# of Students
ST 101H - Statistics by Example (Honors Section)	Spring 2005	30
ST 311 Intro. to Statistics	Fall 2004	65

Peer-Reviewed Publications

1. Doehler, K. and Taylor, L. (2024) Empathy Through Data?: Student Exploration of Elements of Diversity through Projects in an Introductory Statistics Course. *Problems, Resources, and Issues in Mathematics Undergraduate Studies* **34**, 182-203.

2. Paloian, S.*, Doehler, K., and Lahetta, A.* (2022). Implementing a Senior Statistics Practicum: Lessons and Feedback from Multiple Offerings. *Journal of Statistics and Data Science Education* **30**, 114-126. (the * denotes a student author)

3. Taylor, L., Doehler, K., VanKrevelen, R., Weaver, M., and Trocki, A. (2022). A Case Study of Strategies for Intentionally Building Course Community to Support Diverse Learners in an Introductory

Statistics Course. *Teaching Statistics* **44**, 48-58.

4. Vandermaas-Peeler, M., Choplin, O., Doehler, K., Sturgill, A., Namaste, N., and Buckmaster, M. (2021). The "Authentic" Me: New Understandings of Self and the World as a Result of Global Learning Experiences. *Teaching & Learning Inquiry* **9**, 1-18.

5. Doehler, K. (2018). Successful Service-Learning for Statistics Students Studying Survey Sampling. *Statistics Education Research Journal* , 82-103.

6. Doehler, K. and Taylor, L. (2018). Diversity-Related Projects in an Introductory Statistics Course. In M. A. Sorto, A. White, & L. Guyot (Eds.), Looking back, looking forward. *Proceedings of the Tenth International Conference on Teaching Statistics (ICOTS10), Kyoto, Japan.*, 1-4.

7. Palmquist, A. E. L. and Doehler, K. (2016). Human Milk Sharing Practices in the U.S. *Maternal & Child Nutrition* **12**, 278-290.

8. Taylor, L., Doehler, K., and Smith, J. (2016). The Development and Factor Structure of the Faculty Perceptions of Statistics (FPS) Scale. *International Journal of Learning, Teaching and Educational Research* **15**, 1-20.

9. Doehler, K. and Taylor, L. (2015). Incorporating Code-Based Software in an Introductory Statistics Course. *International Journal of Mathematical Education in Science and Technology* **46**, 841-852.

10. Taylor, L. and Doehler, K. (2015). Reinforcing Sampling Distributions through a Randomization-Based Activity for Introducing ANOVA. *Journal of Statistics Education* **23**, 1-33.

11. Palmquist, A. E. L. and Doehler, K. (2014). Contextualizing Online Human Milk Sharing: Structural Factors and Lactation Disparity among Middle Income Women in the United States. *Social Science & Medicine* **122**, 140-147.

12. Taylor, L. and Doehler, K. (2014). Using Online Surveys to Promote and Assess Learning. *Teaching Statistics* **36**, 34-40.

13. Doehler, K. (2013). Audio Explanations to Enhance Statistical Understanding: A Case Study in Introductory Statistics. *Mathematics Statistics Operations Research (MSOR) Connections* **13**, 24-31.

14. Doehler, K., Taylor, L., and Smith, J. (2013). A Study of Faculty Views of Statistics and Student Preparation Beyond an Introductory Class. *Journal of Statistics Education* **21**, 1-21.

15. Kapfer, J. M., Doehler, K., and Hay, R. (2013). The influence of habitat type and the presence of an invasive wetland plant (Phalaris arundinacea) on capture rates of sympatric rare and common gartersnake species (Thamnophis butleri and Thamnophis sirtalis). *Journal of Herpetology* **47**, 126-130.

16. Hooper, L. M., Wallace, S. A., Doehler, K., and Dantzler, J. (2012). Parentification, ethnic identity, and psychological health in Black and White American college students: Implications of family of origin and cultural factors. *Journal of Comparative Family Studies* **43**, 811-835.

17. Hooper, L. M. and Doehler, K. (2012). Assessing Family Caregiving: A Comparison of Three Retrospective Parentification Measures. *Journal of Marital and Family Therapy* **38**, 653-666.

18. Hooper, L. M., Doehler, K., Jankowski, P., and Tomek, S. (2012). Patterns of Self-Reported Alcohol Use, Depressive Symptoms, and Body Mass Index in a Family Sample: The Buffering Effects of Parentification. *The Family Journal: Counseling and Therapy for Couples and Families* **20**, 164-178.

19. Pauers, M. J., Kapfer, J. M., Doehler, K., Lee, J. T., and Berg, C. S. (2012). Gross colour pattern is used to distinguish between opponents during aggressive encounters in a Lake Malawi cichlid. *Ecology of Freshwater Fish* **21**, 34-41.

20. Hooper, L. M., Doehler, K. ,Wallace, S. A., and Hannah, N. J. (2011). The Parentification Inventory: Development, Validation, and Cross-Validation. *The American Journal of Family Therapy* **39**, 226-241.

21. Hooper, L. M. and Doehler, K. (2011). The mediating and moderating effects of differentiation of self on body mass index and depressive symptomatology among an American college sample. *Counselling Psychology Quarterly* **24**, 71-82.

22. Doehler, K. and Davidian, M. (2008). 'Smooth' inference for survival functions with arbitrarily censored data. *Statistics in Medicine* **27**, 5421-5439.

Book Chapter

1. Palmquist, A. E. L. and Doehler, K. (2016). Forging New Partnerships for Milk Sharing: Preliminary Findings from the Anthropological Contexts of Milk Sharing (AnthroCOMS) Survey. In Smith, P. H. and Labbok, M. (Editors), *Advancing Breastfeeding: Forging Partnerships for a Better Tomorrow*, 229-236, Praeclarus Press.

Other Publications

1. Doehler, K. and Barker, H. (2022). Diversity, Equity, and Inclusion Initiatives Inventory for Introductory College Statistics Courses. In Bridging the Gap: Empowering and Educating Today's Learners in Statistics. *Proceedings of the Eleventh International Conference on Teaching Statistics (ICOTS11), Rosario, Argentina.*, 1-4.

2. Barker, H. and Doehler, K. (2021). Promoting Diversity, Equity, and Inclusion in the Statistics Classroom. *Stat TLC (Statistics and Learning Center) Blog.*

Presentations and Workshops

1. Preliminary Results from a Survey on Diversity, Equity, and Inclusion in University-Level Introductory Statistics Courses. Poster presentation, International Association of Statistics Education (IASE) Satellite Conference. *Toronto, Canada*, July 2023.

2. Implementing a Senior Statistics Practicum: Lessons and Feedback from Multiple Offerings. Invited webinar sponsored by the Consortium for the Advancement of Statistics Education and the *Journal of Statistics and Data Science Education*. November 2022.

3. Diversity, Equity, and Inclusion Initiatives Inventory for Introductory College Statistics Courses. Accepted presentation, 11^{th} International Conference on Teaching Statistics. *Rosario, Argentina*, September 2022.

4. A New Program Design Framework for Including the Whole Learner (with Maureen Vandermaas-Peeler, Jennifer Wiley, and Vesna Hart). Accepted Critical Dialogue Session, Forum on Education Abroad Annual Conference. *Chicago, IL*, March 2022.

5. Student Led Classroom Discussions on Current News Articles focused on Diversity, Equity, and Inclusion Issues (with Heather Barker). Virtual Presentation, North Carolina PKAL Regional Network Meeting. February 2022.

6. Infusing Activities Centered Around Diversity, Equity, and Inclusion into Statistics Courses (with Heather Barker). Poster Presentation, United States Conference on Teaching Statistics Virtual Conference. June 2021.

7. "Coming back, I just felt like a more authentic version of myself": Identity and Global Experiences (with Maureen Vandermaas-Peeler, Matt Buckmaster, Olivia Choplin, Amanda Sturgill, and Nina Namaste). Think Tank Presentation, Association of American Colleges & Universities Virtual Conference on Global Learning. October 2020.

8. Implementing a Senior Statistics Practicum: Lessons and Feedback from the First Offering (with Sierra Paloian). Virtual Presentation, Electronic Conference on Teaching Statistics. May 2020.

9. Retracting the Borders on Global Learning: Including "Home" in the Experience (with Nina Namaste and Amanda Sturgill). Accepted presentation, International Society for the Scholarship of Teaching and Learning Annual Conference. *Atlanta, GA*, October 2019.

10. Diversity-Related Projects in an Introductory Statistics Course. Accepted presentation, 10^{th} International Conference on Teaching Statistics. *Kyoto, Japan*, July 2018.

11. Efficacy of 'The Islands'-based Projects Compared to Student-Collected Data Projects in Introductory Statistics Courses (with Lisa Rosenberg, Laura Taylor, and Ryne VanKrevelen). Virtual Presentation, Electronic Conference on Teaching Statistics. May 2018.

12. Grading AP Statistics Free-Response Questions and Class Activities for AP Statistics. Workshop presented to AP Statistics Teachers. *Elon, NC*, August 2017.

13. Data Analysis and Probability in Grades K-8 (with Lisa Rosenberg). Workshop presented to Elementary School Teachers. *Elon, NC*, August 2017.

14. A Randomization-Based Activity to Introduce ANOVA while Reinforcing Knowledge of Sampling Distributions. Joint Statistical Meetings. *Chicago, IL*, August 2016.

15. Using Code-Based Statistical Software in an Introductory Statistics Course (with Laura Taylor). Virtual Presentation, Electronic Conference on Teaching Statistics. May 2016.

16. A Randomization-Based Activity to Introduce ANOVA and Review Sampling Distributions. Invited Speaker, University of North Carolina at Greensboro. *Greensboro, NC*, April 2016.

17. Lessons Learned from the 2015 AP Statistics Reading (with Jim Beuerle). Workshop presentation, North Carolina Council of Teachers of Mathematics Meeting. *Greensboro, NC*, November 2015.

18. Using Code-Based Statistical Software in an Introductory Statistics Course. Joint Statistical Meetings. *Seattle, WA*, August 2015.

19. Lessons Learned from the 2014 AP Statistics Reading (with Jim Beuerle). Workshop presentation, North Carolina Council of Teachers of Mathematics Meeting. *Greensboro, NC*, October 2014.

20. A Closer Look at the Marathon Gender Gap and a Possible Two-Hour Marathon. Carolinas Sports Analytics Meeting. *Greenville, SC*, April 2014.

21. Using Google Forms to Effectively Collect Data in Class (with Laura Taylor). North Carolina Council of Teachers of Mathematics Meeting. *Greensboro, NC*, October 2013.

22. Faculty Views of Statistics in Teaching and Research (with Laura Taylor). Invited presenters, Journal of Statistics Education Webinar Series. July 2013.

23. How to Collect Data Quicker in Class. AP Statistic Reading Best Practices Session. *Kansas City, MO*, June 2013.

24. A Faculty Perspective of the Use of Statistics in Undergraduate Teaching (with Laura Taylor). Peer reviewed poster presentation, United States Conference on Teaching Statistics. *Cary, NC*, May 2013.

25. A Randomization-Based Method to Emphasize Sampling Distributions and Introduce ANOVA (with Laura Taylor). Peer reviewed poster presentation, United States Conference on Teaching Statistics. *Cary, NC*, May 2013.

26. A Faculty Perspective of the Use of Statistics in Undergraduate Research (with Laura Taylor). Poster presentation, Spring Undergraduate Research Forum. *Elon, NC*, April 2013.

27. Faculty Perceptions toward Statistics (with Laura Taylor and Jessalyn Smith). Peer reviewed poster presentation, United States Conference on Teaching Statistics. *Cary, NC*, May 2011.

28. Faculty Perceptions of Statistics. North Carolina Symposium for Women in Mathematics and Statistics. *Raleigh, NC*, April 2011.

29. Data Analysis and Probability in grades K-4. Workshop presented at the Teachers Empowering All students in Math and Science (TEAMS) Workshop Day. *Hillsborough, NC*, March 2010.

30. Statistics: from K through AP. Presentation at a teacher workshop held at Northern Guilford Middle School for elementary, middle, and high school teachers. *Greensboro, NC*, February 2010.

31. Data Analysis: from grades 5-8. Workshop presented as part of a TEAMS Workshop Day. *Elon, NC*, January 2010.

32. Statistical Inference in Introductory Statistics (with Laura Taylor). Elon University Mathematics Department. *Elon, NC*, April 2009.

33. The Moose Problem - 2008 AP Statistics Exam Form A # 5. North Carolina Council of Teachers of Mathematics State Conference. *Greensboro, NC*, September 2008.

34. The Basics of Survival Analysis and How the SNP Density Can Help. Invited Speaker, Appalachian State University Department of Mathematical Sciences.
Boone, NC, April 2008.

35. Using the Seminonparametric Density to Estimate Survival Functions in the presence of Censored Data. Eastern North American Region (ENAR) of the International Biometric Society Spring Meeting. *Arlington, VA*, March 2008.

36. Estimating Survival Functions with the Seminonparametric Density. Invited Speaker, Elon University Mathematics Department. *Elon, NC*, December 2007.

37. Estimating Survival Functions with the Seminonparametric Density. International Conference on Advances in Interdisciplinary Statistics and Combinatorics. *Greensboro, NC*, October 2007.

38. An Introduction to Survival Analysis. Guest Lecture in Doug Levine's graduate Psychology class. *Greensboro, NC*, February 2007.

39. Smooth Inference for Survival Functions with Arbitrarily Censored Data. Joint Mathematics Meetings. *New Orleans, LA*, January 2007.

40. Smooth Inference for Survival Functions with Arbitrarily Censored Data. Mathematics and Statistics Department Colloquium. *Greensboro, NC*, October 2006.

41. Smooth Inference for Survival Functions with Arbitrarily Censored Data. ENAR Spring Meeting. *Tampa, FL*, March 2006.

42. Smooth Inference for Survival Functions with Arbitrarily Censored Data. Joint Statistical Meetings. *Minneapolis, MN*, August 2005.

STS 499 Research Mentoring at Elon University

1. Spring 2023 - Will McCoy. Exploring Diversity Themes in Statistics through Student Analysis of United States Civil War Data.

2. Spring 2022 - Alexandra Lahetta and John Ruggiero. Using Data on Confederate Monuments to infuse Diversity, Equity, and Inclusion into Introductory Statistics Coursework.

3. Fall 2021 - Alexandra Lahetta. Implementing a Senior Statistics Practicum: Lessons and Feedback from Multiple Offerings.

4. Fall 2018, Spring 2019, Fall 2019, Spring 2020 - Abigail Phillips (Honors Fellow). Comparing Parametric, Nonparametric, and Seminonparametric Survival Functions with Right-Censored Data.

5. Spring 2019, Fall 2019 - Sierra Paloian. Implementing a Senior Statistics Practicum: Lessons and Feedback from the First Offering.

6. Fall 2018 - Sierra Paloian and Abigail Phillips. Comparing Parametric and Nonparametric Survival Functions with Censored and Non-Censored Data.

7. Spring 2018 - Christian Wagner. Analysis of NC Public School Funding with R Shiny Apps.

8. Fall 2017 - Christian Wagner and Abigail Phillips. Analysis of NC Public School Funding.

9. Fall 2015, Spring 2016 - Sabina Bains. NCAA Outdoor Track Distance Running Trends.

10. Summer 2015 - Allie Stone. Summer Institute for Training in Biostatistics.

11. Spring 2015, Fall 2015 - Jennifer Faig and Jessica Weiss. Analysis of Finishing and Split Times in the Chicago Marathon.

12. Spring 2014, Fall 2014 - Connor DelPrete, Christine Keneally, and Sunna Vidisdottir. Basketball Analytics.
13. Summer 2014 - Jessie Brown. Summer Institute for Training in Biostatistics.
14. Fall 2013 - Matthew Feather, Derek Heard, Seamus McGuire, and Sunna Vidisdottir. An Analysis of Elon University Basketball Data.
15. Fall 2011, Spring 2011, Fall 2012 - Alison Miller (College Fellow). Comparing the Seminonparametric Survival Function Estimator to the Kaplan-Meier Estimator for Right-Censored Data. (Alison won 1^{st} place in the Undergraduate Student Research Competition at the 8^{th} Annual UNC Greensboro Mathematics and Statistics Conference.)
16. Fall 2011, Fall 2012 - Theodore Berkowitz. Estimating Proportions with the Binomial Distribution: Traditional Methods and Improved Alternatives.
17. Spring 2011 - Jonathan Leeds. Do Binomial Confidence Intervals have the right Confidence?
18. Spring 2010, Spring 2011 - Russell Swan. Sequential Testing: Do we Reject or get more Data?
19. Summer 2010 - Brandon Landreth. The Effect of Dental Sealants and Fluoride Varnish Survival Time of Premolars in 6 to 8 Year Old Children.
20. Spring 2010 - Cam Jessup. What Country is really Winning the Olympics?
21. Fall 2010 - Jennifer Batchelor. An Exploration of Nonparametric Equivalence Testing
22. Spring 2009 - Jennifer Batchelor. Apportionment Issues in the House of Representatives (co-mentored with Laura Taylor).
23. Spring 2009 - David Filonuk. Linear Models and Home-Court Advantage (co-mentored with Laura Taylor).

Graduate Research Mentoring at UNC Greensboro

1. Fall 2007, Spring 2008 - Guolin Zhao. Masters Thesis: Nonparametric and Parametric Survival Analysis of Censored Data with Possible Violation of Method Assumptions.

STS 481 Internship Mentoring at Elon University

1. Summer 2021 - Anna Mitchell. Allscripts (Raleigh, NC).
2. Summer 2021 - Tessa Queirolo. Deloitte (New York, NY).
3. Spring 2021 - Laci Breen. Center for Organizational Analytics (Elon, NC).
4. Summer 2019 - Samantha Chessen. Dabb (Shanghai, China).
5. Summer 2018 - Camille Kelly. The Redwoods Group (Morrisville, NC).
6. Summer 2018 - Izzy Gesen. Harvard Pilgrim Health Care (Wellesley, MA).
7. Summer 2018 - Matthew Martin. Wieland Metals, Inc. (Pine Hall, NC).

8. Summer 2016 - Bethany Lake. Andrews Distributing (Dallas, TX).
9. Summer 2016 - Sarah Galinko. National Agents Alliance (Burlington, NC).
10. Summer 2016 - Jaime Klauber. Construction Risk Partners (Branchburg, NJ).
11. Summer 2016 - Emma Yarborough. National Agents Alliance (Burlington, NC).
12. Summer 2015 - Eric Goding. National Agents Alliance (Burlington, NC).
13. Summer 2015 - Ashley Hill. Porter Family Professional Development Center (Elon, NC).
14. Summer 2015 - Declan Sales. We are Native (London, England).
15. Summer 2015 - Jennifer Faig. AstraZeneca Pharmaceuticals (Gaithersburg, MD).
16. Summer 2015 - Shelby Akers. Six Flags (Upper Marlboro, MD).
17. Summer 2014 - Ameya Benegal. Foundation for Sustainable Development (Jodhpur, India).
18. Summer 2014 - Michael Faircloth. Hanesbrands, Inc. (Winston Salem, NC).
19. Winter 2014 - Shannon Madaio. The Morris Museum (Morristown, NJ).
20. Summer 2013 - Lisa Picklesimer. J.P. Morgan Chase (Columbus, OH).
21. Summer 2013 - Stanton Sandford. Berkley Accident and Health (Hamilton Square, NJ).
22. Summer 2012 - Emily Buehler. Shedd Aquarium (Chicago, IL).
23. Summer 2012 - Elizabeth Burns. Invo HealthCare Associates in (Jamison, PA).
24. Winter 2012 - Kileigh Browning. Center for Environmental Studies (Elon, NC).
25. Winter 2012 - John Moody. Center for Environmental Studies (Elon, NC).
26. Summer 2011 - Trevor Edwards. AgData (Charlotte, NC).
27. Summer 2011 - Glynis Ewing. Comptroller of Maryland (Annapolis, MD).

University Level Leadership

2022 - 2023	**Chair** of Committee on Committees. Leading a team of 9 Academic Council members to coordinate membership of faculty on 13 standing committees and make recommendations for membership on advisory committees.
2021 - 2023	Member of Academic Council (AC). Supporting faculty governance as a representative on AC by overseeing changes and updates to faculty handbook bylaws and non-bylaws. Highlighting concerns from constituents in the Mathematics and Sciences Division of the College of Arts and Sciences, bringing voting items to faculty meetings, and managing the voting process.
2020 - 2023	Member of the Academic Affairs Advisory Council (AAAC). Receiving updates from and providing feedback to senior administrators on academic affairs. Participated in discussions with SPDC Director candidates and a representative from the Southern Association of Colleges and Schools Commission on Colleges.
2020 - 2021	**Chair** of the Global Education Curriculum Committee. Coordinated official curriculum reviews of study abroad and pre-departure courses. Led a subcommittee to update assessment questions associated with the course review process.
2018 - 2021	First-Year Coordinator (Mathematics and Statistics). Collaborated with other Core Coordinators to conduct core curriculum assessment oand develop Common Reading resources to share with faculty. Planned, coordinated, and evaluated STS 110 (Introduction to Statistical Reasoning) assessment and provided support to 10-12 full-time and adjunct instructors teaching over 40 sections of the STS 110 course each year.
2012-2013	**Chair** of the Faculty Athletics Committee. Led committee members in providing oversight for all student athlete schedules and analyzed student-athlete exit surveys.

University Level Service

2022 - 2023	Member, Thesis Defense Committee for Honors Fellow Rachel Dietert
2022 - 2023	Member, Thesis Defense Committee for Honors Fellow Grace Simpson
2021 - 2023	Member, Academic Council
2021 - 2023	Member and 2022-2023 **Chair**, Committee on Committees
2020 - 2023	Member, Academic Affairs Advisory Council
2018 - 2021	Member and 2020-2021 **Chair**, Global Education Curriculum Committee
2020 - 2021	Member, Second Language Acquisition Implementation Task Force
2020	Member, Global Education Dean Search Committee
2019	Member, Provost and Vice President for Academic Affairs Search Committee
2018	Member, Core Curriculum Associate Director Search Committee
2018	Member, Faculty Research and Development Subcommittee on Reassigned Time
2018 - 2020	Research Mentor to Honors Student Abigail Phillips
2018 - 2021	First-Year Coordinator (Mathematics and Statistics)
2018 - 2021	Member, Common Reading Committee
2017 - 2020	Member, Global Education Center Advisory Committee
2017 - 2019	Member, Honor Board
2016 - present	Faculty Fellow, Center for Organizational Analytics
2015 - 2017	Member, Academic Standing Committee
2014 - 2015	Member, Thesis Defense Committee for Honors Fellow Matthew Feather
2013 - 2015	Faculty Advisor for the co-ed service fraternity Alpha Phi Omega
2012 - 2013	Member, Analytics Program Feasibility Study Committee
2011	Member, Faculty Research and Development Subcommittee on Reassigned Time
2010 - 2013	Member and 2012-2013 **Chair**, Faculty Athletics Committee
2010 - 2012	Faculty Advisor for the Men's Club Volleyball Team
2010	Member, GlaxoSmithKline Women in Science Scholarship Committee

Department Level Leadership

2017 - 2018	**Chair** of the Tenure Track Assistant Professor of Statistics Search Committee. Led committee in finalizing the job description, advertising the position, reviewing application portfolios from approximately 40 candidates, and updated phone and on-campus interview questions. Participated in all 10 online interviews and all 4 on-campus interviews and led my department in hiring discussions.
2015 - 2016	**Chair** of the Statistics Writing Excellence Initiative (WEI) Committee. Led committee in determining WEI goals and developing appropriate assessment rubrics. Coordinated the gathering and reviewing of assessment information and documentation for the Statistics Program WEI, which was carried out as part of the university's Quality Enhancement Plan.
2013 - 2017	Statistics Program Coordinator. Coordinated program assessments of 6 goals, based on 12 statistics courses. Managed portfolio reviews and exit interviews of Seniors, provided students with academic guidance, and advertised courses and Statistics major/minor options. Mentored new faculty, observed instructors, coordinated course schedules for 7 full-time faculty, and led significant curricula improvements. Generated the Statistics program's Annual Report and Assessment Plan (ARAP) and End-of-year report.
2013 - 2015	**Chair** of the Senior Comprehensive Evaluation Task Force. Led a group that generated and updated the senior portfolio assessment rubric, exit interview questions and rubric, and the department exit survey.

Department Level Service

2021 - present	Member, Diversity, Equity, and Inclusion Task Force
2019 - 2020	Member, Continuance Review Committee
2019 - 2020	Member, Statistics Lecturer Search Committee
2018 - 2021	Member, Task Force on Diversity and Inclusion
2018	Member, Continuance Review Committee
2017	**Chair**, Tenure Track Assistant Professor of Statistics Search Committee
2017	Member, Statistics Curriculum Mapping Committee
2016 - 2017	Member, Task Force to Promote Accomplishments of Faculty and Alumni
2016	Member, Tenure Track Assistant Professor of Statistics Search Committee
2015 - 2018	Member and 2015-2016 **Chair**, Statistics Writing Excellence Initiative Committee
2015 - 2016	Member, Continuance Review Committee
2015 - 2016	Member, Strategic Planning Committee
2015 - 2016	Member, Statistics Lecturer Search Committee
2013 - 2017	Statistics Program Coordinator
2013 - 2015	**Chair**, Senior Comprehensive Evaluation Task Force
2013	Faculty advisor for two SOLVE student consulting groups
2012 - 2016	Member, Task Force to Create Opportunities for Faculty Scholarship
2012 - 2013	Member, Math Learning Outcomes / Math Senior Assessment Committee
2011 - 2012	**Chair**, Statistics Lecturer Search Committee
2010 - 2011	Member, Senior Assessment Committee
2010 - 2011	Member, Committee on Department Chair Responsibilities
2009 - 2010	Member, Southeastern Mathematics Association of American Conference Committee
2009 - 2016	Math Education Interviewer
2008 - 2016	Member, High School Mathematics Contest Committee
2008 - present	Member and 2013-2017 **Chair**, Statistics Committee
2008 - 2009	Member, Statistics Lecturer Search Committee

Professional Level Service

2023	Reviewer, *Proceedings of the IASE Satellite Conference*
2022	Reviewer, *Proceedings of the 11th International Conference on Teaching Statistics*
2021	Reviewer, *Statistics Education Research Journal*
2018	Reviewer, *Proceedings of the 10th International Conference on Teaching Statistics*
2013 - 2018	Reader, AP Statistics Exam, Educational Testing Services (6 years in *Kansas City, MO*)
2007 - 2009	Reader, AP Statistics Exam, Educational Testing Services (3 years in *Louisville, KY*)
2016	Reviewer, *Statistics Education Research Journal*
2015	Mentor, Preparing Future Faculty Fellows Program at Duke University
2015	Mentor, Mentoring and Teaching Practicum Program at North Carolina State University
2014	Question Author, ETS Multiple choice statistics questions
2014	Reviewer, *Statistics Education Research Journal*
2013	Mentor, Mentoring and Teaching Practicum Program at North Carolina State University
2011	Session Chair, UNCG Regional Mathematics and Statistics Conference *(Greensboro, NC)*
2011	Textbook Reviewer, Concept Publishing USA
2009	Reviewer, *Journal of Statistics Education*
2008	Session Chair, Eastern North America Region of the Biometric Society Meeting *(Arlington, VA)*
2007	Reviewer, *Journal of Statistical Computation and Simulation*
2007	Discussion Leader (with Vance Berger) on the topic of "Key Points in Biostatistics: How to Read the Medical Literature" for NIH Employees *(Bethesda, MD)*
2007	Discussion Leader (with Vance Berger) on the topic of "An Overview of Biostatistical Principals" for NIH Fellows *(Bethesda, MD)*
2007	Judge, Undergraduate Poster Competition, Joint Mathematics Meetings *(New Orleans, LA)*
2007	Session Chair, Joint Mathematics Meetings *(New Orleans, LA)*
2006	Reviewer, MERLOT (Multimedia Educational Resource for Learning and Online Teaching)
2006	Reviewer, *Journal of Statistical Theory and Practice*
2006	Reviewer, *Statistics Education Research Journal*
2006	Session Chair, Eastern North America Region of the Biometric Society Meeting *(Tampa, FL)*

Awards, Accomplishments, and Fellowships

2022	College of Arts and Sciences Excellence in Service/Leadership Award, Elon University
2019	Alumni Impact Award, Mathematics and Statistics Department, Elon University
2015 - 2016	Released Time Fellowship, Elon University
2015	Summer Research Fellowship, Elon University
2014 - 2015	Released Time Fellowship, Elon University
2014	Summer Research Fellowship, Elon University
2014	SAS Certified Base Programmer
2013 - 2014	Chosen as one of four Elon faculty members for the Elon Service-Learning Faculty Scholars Program
2013 - 2014	Released Time Fellowship, Elon University
2009 - 2010	Chosen as one of six Elon faculty members for the Elon Teaching & Learning Partnership
2007	Young Researchers Award for the International Conference on Advances in Interdisciplinary Statistics and Combinatorics
2006 - 2007	Project NExT (New Experiences in Teaching) Fellow, Mathematics Association of America
2005	Outstanding Teaching Assistant Award, Department of Statistics, NCSU
2004 - 2005	Preparing the Professoriate Program participant under the direction of William Swallow
2004 - 2005	NSF VIGRE (Vertical Integration of Research and Education) Fellow
2002	Outstanding Teaching Assistant Award, Department of Statistics, NCSU
2002	Elected to Mu Sigma Rho Statistics Honor Society
2000	Passed Society of Actuaries Exam 100

Professional Organizations

American Statistical Association, International Association for Statistical Education, Council on Undergraduate Research

Programming and Computing Skills

SAS, R, Python, LaTeX, HTML, Adobe Acrobat Pro, MS Word/Excel/Powerpoint