

Emily Hohmeister Griffith

Curriculum Vitae

EDUCATION

Ph.D. Statistics, North Carolina State University, Raleigh NC, May 2008
M.S. Statistics, North Carolina State University, Raleigh NC, May 2005
B.S. Statistics, *cum laude*, Florida State University, Tallahassee FL, May 2003
Liberal Studies Honors Program; minors in Spanish and mathematics

PROFESSIONAL EXPERIENCE

North Carolina State University, Raleigh, NC

2024- Professor of the Practice, Department of Statistics
2024- Associate Department Head, Department of Statistics
2022-2024 Director of the Data Management and Analytics Core (DMAC)
 Center for the Environmental and Health Effects of PFAS
2021- Director of Data Science Consulting, Data Science Academy
2020-2022 Fellow, Office of Research and Innovation
2018-2024 Associate Research Professor/Associate Professor of the Practice, Department of Statistics
2013-2018 Research Assistant Professor, Department of Statistics

Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC

2019-2021 Deputy Director

Federal Bureau of Investigation, Crime Analysis, Research, and Development Unit, Fairmont, WV

2009-2012 Survey Statistician

United States Geological Survey, Patuxent Wildlife Research Center, Laurel, MD

2008-2009 Postdoctoral Research Associate

HONORS AND AWARDS

- Libraries Faculty Award, NC State University Libraries (2025)
- Fellow, American Statistical Association (2023)
- Outstanding Mentor Award, Statistical Consulting Section, American Statistical Association (2022)
- Chapter Service Award, North Carolina Chapter of the American Statistical Association (2021)
- Champion for Quantitative Literacy, Office of Assessment and Accreditation, North Carolina State University (2021, 2022)
- Nominated for North Carolina State University's Equity for Women Award (2019)
- Dennis Boos Citizenship Award, Department of Statistics, North Carolina State University (2017-2018)
- Faculty Diversity Professional Development Award, College of Sciences, North Carolina State University (2016)
- Recipient of Time Off Award in Recognition of Superior Service to the FBI (2011)
- Earned On-the-Spot Awards twice for acts of service at the FBI (2011)
- Francis G. Giesbrecht Award for Statistical Consulting recipient (2008)
- Phi Beta Kappa National Honor Society (elected 2003)

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FUNDING

Pedagogy and Education

1. North Carolina State University DELTA Course Design Grant. PIs: L Xiao, J Stallrich, and **E Griffith**. “Student Success in Statistical Theory: Targeted Support for First-Year Doctoral Students in Quantitative Research” Funded August 2021. (Total Amount: \$8,000)
2. North Carolina Department of Public Instruction. PI: E Sabornie. Co-PIs: C Crossland and **E Griffith**. “A Longitudinal Examination of Positive Behavior Intervention.” Funded, August 2020. (Total Amount: \$136,651)
3. North Carolina State University DELTA Critical Path Course Redesign Grant. PI: J Post. Additional Participants: J Duggins, H McGowan, **E Griffith**, and B Alhanti. “Adaptive learning and improved critical thinking skills in ST370.” Funded, August 2017. (Total Amount: \$24,000)

Theory and Practice of Statistical Consulting

1. Alfred P. Sloan Foundation. PI: **E Griffith**, Co-PIs: M Blake, R Levy. “Models in Data Science Consulting in Higher Education: Disseminating Current Practices and Knowledge.” Funded, November 2023. (Total amount: \$174,994)
2. Alfred P. Sloan Foundation. PI: R Levy. Co-PIs: **E Griffith**, M Blake. Key Personnel: M Parker. “Models for Sustainable and Inclusive Data Science Consulting and Collaboration in Higher Education.” Funded, July 2022. (Total Amount: \$49,421)
3. American Statistical Association Member Initiative. PIs: A Hess and J Sharp. Key Personnel: MD Higgs, **EH Griffith**. “Setting the Stage: Statistical Collaboration Videos for Training the Next Generation of Applied Statisticians.” Funded, April 2019. (Total Amount: \$16,100)

Veterinary, Translational, and Human Medicine

1. National Institutes of Health. NC State Segment Lead: J Horowitz, Co-Investigators: R Levy, DM Urieta, EH Griffith. “North Carolina Translational and Clinical Sciences Institute (NC TraCS) - UNC Clinical and Translational Science Award.” Funded, April 2023. (Total Amount: \$69,918,102)
2. National Institutes of Health. PIs: M Fishers, R Shirwaiker, A McNulty. Co-Investigators: B Pourdeyhimi, J Spang, L Schnabel, **E Griffith**. “Using 3D Nonwovens Fabrication to Engineer Region-Specific Extracellular Matrix Structure and Bioactivity of the Knee Meniscus.” Funded, July 2021. (Total Amount: \$2,638,336)
3. National Institutes of Health. PI: K Saul, J Cole. Co-Investigators: **E Griffith**, R Cornwall. “Development and Persistence of Tissue-Level Musculoskeletal Deformity Following Brachial Plexus Birth Injury.” Funded, March 2021. (Total Amount: \$1,568,840)
4. National Institutes of Health. PI: MB Fisher. Co-Investigators: AC Brown, LV Schnabel, JA Piedrahita, **EH Griffith**. “Sex- and Age-dependent ACL Function in the Growing Knee Joint.” Funded, April 2018. (Total Amount: \$1,626,730)

5. Duke/NCSU Translational Research Grant. PI: Jonathan Fogle. Co-Investigators: BDX Lascelles, JL Tuohy, **EH Griffith**, LB Borst. “Bacterial infection restores anti-osteosarcoma immune function via micro-RNA modulation.” Funded, May 2016. (Total Amount: \$25,000)
6. Winn Feline Foundation. PI: Duncan Lascelles. Co-Investigators: S Vaden, K Messenger, M Gruen, **EH Griffith**. “Evaluation of inflammatory mediator profiles in cats with pain associated with naturally-occurring degenerative joint disease.” Funded, July 2014. (Total Amount: \$22,815)
7. American Kennel Club Canine Health Foundation. PI: J.L. Gookin. Co-Investigators: J.M. Cullen, K.F. Lunn, E.H. Griffith, G. Seiler, K. Mathews. “Metabolic and transcriptional biomarkers of cholesterol and lipid imbalance in dogs with and without diagnosis of a gallbladder mucocele.” Funded, September 2013. (Total Amount: \$135,354)
8. United States Poultry & Egg Association. PI: L. B. Borst. Co-Investigators: S. D. Saunders, H. Barnes, **E.H. Griffith**. “Intestinal Co-infection and Flock Management Risk Factors for Enterococcus cecorum-Associated Disease.” Funded, June 2013. (Total Amount: \$51,270)

Chemistry and Mass Spectrometry

1. National Institutes of Health. PIs: D Muddiman, Co-Investigators: E Baker, **E Griffith**. “Using Glycomics to Characterize a Molecular Signature of Alzheimer’s Disease.” Funded, August 2019. (Total Amount: \$785,872)
2. National Institutes of Health. PIs: JR Coates, SA Moore. Co-Investigators: D Faissler, NJ Olby, DW Sah. Collaborators: CA London, **EH Griffith**. “A platform trial design to accelerate translational therapies in a canine disease model of ALS.” Funded, June 2018. (Total Amount: \$276,382)

Diversity, Equity, and Inclusion

1. North Carolina State University Diversity Mini-Grant Program: PI: **EH Griffith**. Co-Investigators: HM McGowan and AG Wilson. “A Department-wide Mentoring Initiative to Encourage URM Student Success in Statistics.” Funded, November 2016. (Total Amount: \$1,600)

STUDENT MENTORING

- **Masters Thesis Advisor**
Kay Jackson, Statistics, MS (with A. Maity, earned Summer 2023)
Jiashu Zhou, Statistics, MS (earned Fall 2022)
- **Graduate Student Committees**
Department of Statistics
Nate Weicha, Statistics, PhD
Jimmy Hickey, Statistics, PhD (earned Spring 2024)
Annabel Settle, Statistics, MS (earned Spring 2023)
Cole Manschot, Statistics, PhD (earned Spring 2023)
Iris Bennett, Statistics, PhD (earned Fall 2021)
Alexandra Larsen, Statistics, PhD (earned Fall 2018)

Other Departments

Pranav Jain, Industrial and Systems Engineering, PhD

Md Tanhum Hossain, Fiber and Polymer Science, PhD
 Chandler Probert, Fiber and Polymer Science, PhD (Earned Spring 2024)
 Sneha Rani, Textile Technology Management, PhD (Earned Summer 2024)
 Edgar Torres, Textile Technology Management, PhD (Earned Spring 2024)
 Sydney Shuping, Animal Science and Poultry Science (MS Earned Fall 2020, PhD Earned Spring 2024)
 Ben Grandon, Crop and Soil Sciences, MR (Earned Fall 2023)
 Melissa Armistead, Textile Engineering, MS (Earned Fall 2022)
 Jamie Nosbisch, Biomathematics, PhD (Earned Summer 2020)
 Cody Zane, Textiles Chemistry, PhD (Earned Summer 2020)
 Yuhuan Wang, Forest Biomaterials, PhD (Earned Spring 2019)
 Dianna Francisco, Marine, Earth, and Atmospheric Science, PhD (Earned Spring 2019)
 Shelley Anne Glimcher, Technology Education, EdD (Earned Fall 2019)
 Steven Lombardo, Fisheries, Wildlife, and Conservation Biology, MS (Earned Fall 2017)
 Cody Zane, Textiles Chemistry, MS (Earned Summer 2017)
 Yuan Fang, Design, PhD (Earned Spring 2017)
 Michael Drake, Fisheries, Wildlife, and Conservation Biology, MS (Earned Summer 2016)

- **Undergraduate Research**

Summer 2022: Mackenzie Newton
 Fall 2019 and Spring 2020: Katherine Scoggins
 Summer 2019: Katherine Scoggins, Madison Stanley, Monika Mori, Joel Hanf, Kim Hoff
 Spring 2019: Steven Chester, Alex Moore, and Katherine Scoggins
 Fall 2018: Steven Chester and Alex Moore
 Spring 2018: Matteson Teffeteller
 Fall 2017: Brady Baker and Matteson Teffeteller
 Fall 2016 and Spring 2016: Kristen McCaffrey and Reema Thakkar
 Summer 2016: Monica Borges, Sophia McNatton, Sarah Vang
 Spring 2016: Emily Zucker

TEACHING

NC State Courses

Developed and taught courses in undergraduate core, undergraduate elective, graduate core, graduate electives

- Thank a Teacher (Fall 2016, Fall 2017, Fall 2018, Spring 2019)
- **ST 114 Statistical Programming (Python) (redesigned)**, 3 credit
 Spring 2025 (49 students); Fall 2024 (38 students); Spring 2024 (42 students); Fall 2023 (47 students); Spring 2023 (47 students); Fall 2022 (45 students); Spring 2022 (36 students); Fall 2021 (38 students)
- **ST431 Introduction to Experimental Design (redesigned)**, 3 credit hours
 Fall 2018 (34 students), Fall 2017 (34 students), Fall 2016 (38 students)
- **ST 432 Introduction to Survey Sampling**, 3 credit
 Spring 2014 (47 students)
- **ST 491 Statistics in Practice (developed)**, 3 credit
 Spring 2023 (17 students); Spring 2022 (19 students); Spring 2021 (21 students); Spring 2020 (20 students)
- **ST512 Experiment Statistics for the Biological Sciences II**, 3 credit hours

- Fall 2018 (online, 16 students); Fall 2017 (online, 25 students); Fall 2016 (31 students)
- **ST 542 Statistical Practice (developed)**, 3 credit
Fall 2024 (16 students); Fall 2023 (16 students); Fall 2022 (21 students); Fall 2021 (13 students); Fall 2020 (online, 36 students); Summer 2020 (online, 18 students); Spring 2020 (22 students); Summer 2019 (online, 20 students); Spring 2019 (35 students); Spring 2019 (online, 29 students); Spring 2018 (29 students); Spring 2018 (online, 20 students); Spring 2017 (31 students); Spring 2017 (online, 11 students); Spring 2016 (31 students), listed as ST 590; Spring 2015 (16 students), listed as ST 590
- **ST 555 SAS Programming, 3 credit (online)**
Spring 2023 (35 students)
- **ST 563 Introduction to Statistical Learning**, 3 credit
Spring 2021 (40 students)
- **ST 841 Statistical Consulting (redesigned)**, 1 credit
Spring 2022 (22 students); Fall 2020 (online, 39 students); Fall 2019 (16 students); Spring 2013 (24 students), listed as ST 641/841

Workshops, Short Courses, and Webinars

- 2025 Skills for Statistical Writing: Tips and Tricks for Improving Written Communication, with J Sharp, Joint Statistical Meetings Professional Development/Continuing Education Short Course
- 2024 Skills for Statistical Writing: Tips and Tricks for Improving Written Communication, with J Sharp, Conference on Statistical Practice Short Course
- 2023 Project-Based Learning Virtual Workshop, American Statistical Association
- 2023 Models for Sustainable and Inclusive Data Science Consulting and Collaboration in Higher Education Workshop Series, funded by the Alfred P Sloan Foundation, organized with M Blake, R Levy, M Parker
- 2021-2023 Navigating Tough Conversations in Statistical Collaboration, developed with J Sharp and Z Weller
- Based on positive feedback from the use of our video-based statistical collaboration curriculum created with funding from an ASA Member Initiative (see Sharp, Griffith, Higgs (2021); Griffith, Higgs, Sharp, and Weller (2021)), I co-created this short course with Julia Sharp and Zach Weller. The reception has been overwhelmingly positive and the course has been selected to be an ASA traveling course for a second year and requested as a special invited short course by the Mayo Clinic.
- 2023 – Conference on Statistical Practice Invited Short Course (with J Sharp)
 - 2023 – Invited Lecture, Division of Clinical Trials and Biostatistics, Mayo Clinic (taught by J Sharp and Z Weller)
 - 2023 – American Statistical Association Traveling Course (taught with J Sharp and Z Weller: Kansas, Kentucky (virtual), Oklahoma (virtual))
 - 2022 – JMP Statistical Discovery webinar (co-presented with J Sharp, titled “Statistically Speaking: The Art of Effective Statistical Collaboration”)
 - 2022 – North Carolina Chapter of the American Statistical Association webinar
 - 2022 – American Statistical Association Traveling Course (taught with J Sharp and Z Weller: Ann Arbor (virtual), Hawaii, Twin Cities, Boston (virtual), Oregon (virtual))
 - 2022 – Joint Statistical Meetings Short Course (taught with J Sharp)
 - 2022 – Conference on Statistical Practice Short Course (taught with J Sharp and Z Weller)
- 2022 Thinking about and with data, H2F Summit, Fort Bragg.
- Spoke to more than 80 physical therapists who are beginning to work with healthcare records in the military about statistical and data science best practices for non-statisticians.

- 2022 Skills for Statistical Writing: Tips and Tricks for Improving Written Communication, with J Sharp and Z Weller, Conference on Statistical Practice Short Course
- 2021 Training the Next Generation of Applied Statisticians, with J Sharp and M Higgs, CAUSE Webinar.
- 2018 Fundamentals of Data, Data Science and Visualization Institute for Librarians, North Carolina State University (repeat invitation)
- 2017 Fundamentals of Data, Data Science and Visualization Institute for Librarians, North Carolina State University

PROFESSIONAL SERVICE

- **Editorial Service:**
 - Served as peer reviewer for the following journals: *Academic Medicine*, *Biometrical Journal*; *BMC Medical Research Methodology*; *Enquiry The ARCC Journal for Architectural Research*; *Frontiers*; *Journal of Agricultural, Biological, and Environmental Statistics*; *Journal of Data Science Education*; *Journal of Environmental Engineering*; *Journal of Statistics and Data Science Education*; *Precision Agriculture*; *Research in Veterinary Science*; *Stat*; *Statistical Methodology*; *The American Statistician*; *Veterinary Anaesthesia and Analgesia*; *Veterinary Radiology and Ultrasound*.
 - Associate Editor, Symposium on Data Science and Statistics special issue of the Journal of Data Science (2022)
 - Co-Editor, ‘Equitable and Sustainable Models in Statistical and Data Science Consulting and Collaboration’ Special Issue of the journal Stat (2024).
 - Editor, Conference on Statistical Practice Special Issue of the Journal of Statistical Theory and Practice (2024).
- **ASA Service:**
 - Member, Conference on Statistical Practice Steering Committee (March 2023-February 2025)
 - District 5 Vice-Chair, Council of Chapters Governing Board (COCGB), American Statistical Association (2023-25)
 - General Program Chair, Fall Technical Conference (2023)
 - Organizing Committee member, Symposium on Data Science & Statistics (2022 Symposium)
 - Member of Communication Committee of the American Statistical Association’s Justice, Equity, Diversity and Inclusion Outreach Group (2021-22)
 - Griffith, E (1 February 2024), “Critical Race Theory and Statistical Analysis: What You Need to Know,” *Amstat News*.
 - Elected to the North Carolina Chapter of the American Statistical Association Executive Board (VP2- 2017, VP- 2018, President- 2019, Past-President- 2020)
 - Member of the American Statistical Association’s Committee on Award of Outstanding Statistical Practice, 2015-2017, 2018-2020.
- **University Service:**
 - Member of the College of Sciences Committee on Diversity, Equity, and Inclusion (2021-2024)
 - Member of the Research Computing and Data Services Coordination Planning Team (2020)
 - Elected to the Grievance (607) and Non-Reappointment Committee, 2019-2021.
- **Departmental Service**
 - Awards Committee (chair 2024)

- Climate Committee (2021-23)
- Diversity Committee (2021-23, chair 2022-23)
- Faculty advisor for DataFest @ NC State, 2021
- Qualifying Exam Committee (2018, 2019)
- Lecturer Search Committee (chair, 2018)
- Faculty advisor for NC State STATCOM Chapter (2017-)
- Junior Faculty Representative (2016-17)
- Seminar committee (2015-16)

REFEREED PUBLICATIONS

Group by topic. A J before the number indicates a peer-reviewed journal article; a C indicates a book chapter, an A indicates a peer-reviewed abstract, and an O indicates a magazine or proceedings article.

Content primarily statistical methodology

- J-1. Gates, T, H Cai, Y Hu, **E Griffith**, L Burgener, E Hyland, L Zanno (2022), “Estimating ancient biogeographic patterns with statistical model discrimination,” *The Anatomical Record*, 1-16. Doi: 10.1002/ar.25067
- J-2. Burgener, L, E Hyland, **E Griffith**, H Mitášová, L Zanno, and T Gates (2021), “An extreme climate gradient-induced ecological regionalization in the Upper Cretaceous Western Interior Basin of North America,” *Geological Society of America Bulletin*, 133(9-10): 2125-2136. Doi: 10.1130/B35904.1
- J-3. Perdew, I, C Emke, B Johnson, V Dixit, Y Song, **E Griffith**, P Watson, and ME Gruen (2021), “Evaluation of Pexion ® (imepitoin) for treatment of storm anxiety in dogs: A randomized, double-blind, placebo-controlled trial,” *Veterinary Record*, 188(9): e18. Doi: 10.1002/vetr.18
- J-4. Olby, NJ, **EH Griffith**, JM Levine, CANSORT SCI (2020), “Comparison of Gait Assessment Scales in Dogs with Spinal Cord Injury due to Intervertebral Disc Herniation,” *Journal of Neurotrauma*, 37(18): 1991-1998. Doi: 10.1089/neu.2019.6804.
<https://pubmed.ncbi.nlm.nih.gov/31914849/>
- A-1. Bereman, M, G Hilton and **E Griffith**, “Multivariate Statistical Procedures Implemented within the Framework of Statistical Process Control to Evaluate Data Quality in LC MS/MS,” American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, 62nd American Society for Mass Spectrometry Conference, Baltimore, MD, June, 2014.

Theory and Practice of Statistical Consulting

- J-5. Davidson, MA, R Peterson, **E Griffith**, A Hanlon, EA Vance, and JL Sharp. “Perspectives on Developing and Implementing Role-Play in Statistical Collaboration Courses,” *Journal of Statistics and Data Science Education*, submitted.
- J-6. **Griffith, EH**, M Wolcott, RL Ball, JL Sharp (2025), “Where can we share the impactful work of applied, practicing statisticians?,” *Journal of Statistical Theory and Practice*, accepted.
- J-7. Sharp, JL, **EH Griffith**, BA Craig, A Hanlon, S Peskoe, J Van Mullekom (2024), “The Current Landscape of Academic Statistical and Data Science Collaboration Units with Examples,” *Stat*, 13(3), e718. <http://doi.org/10.1002/sta4.718>

- J-8. Blake, MR, **E Griffith**, SJ Pierce, R Levy, M Parker, M Huebner (2024), “Tell your story: metrics of success for academic data science collaboration and consulting programs,” *Stat*, 13(2): e686. <http://doi.org/10.1002/sta4.686>
- J-9. **Griffith, EH**, Sharp, JL, WC Bridges, B Craig, K Hanford, and J Stevens (2022), “The Academic Applied Statistician: Research, Training, and Evaluation,” *Stat*, 11(1), e483.
- J-10. Sharp, JL, **EH Griffith**, and MD Higgs (2021), “Setting the Stage: Statistical Collaboration Videos for Training the Next Generation of Applied Statisticians,” *Journal of Statistics and Data Science Education*, 29(2): 165-170. Doi: 10.1080/26939169.2021.1934202
- O-1. **Griffith, EH** and JL Sharp (October 2022), “Mentoring for Professional Success,” *Significance Magazine*.
- O-2. **Griffith, EH**, MD Higgs, JL Sharp, and ZD Weller (September 2021), “Navigating Tough Conversations in Statistical Collaboration,” *Amstat News*. Cover story.
- O-3. Bolch, C, C Mehtra, MR Stedman, **E Griffith**, (October 2021), “Advice for the Promotion of Collaborative Statistician in Research and Teaching Institutions,” *Amstat News*.

Veterinary, Translational, and Human Medicine

- J-11. Simon, KE, K Russell, A Mondino, C Yang, BC Case, Z Anderson, C Whitley, E Griffith, ME Gruen, and NJ Olby. “Placebo effect and trial participation effect in elderly dogs with cognitive decline,” *GeroScience*, submitted.
- J-12. Russell, KJ, AJ Mondina, G Fefer, **E Griffith**, K Saker, ME Gruen, NJ Olby (2024), “Establishing a clinically applicable frailty phenotype screening tool for aging dogs,” *Frontiers in Veterinary Science*: 11:1335463. doi: 10.3389/fvets.2024.1335463. PMID: 39391218; PMCID: PMC11465091.
- J-13. Howe, D, JD Thompson, SD Teeter, M Easson, O Barlow, **EH Griffith**, LV Schnabel, JT Spang, MB Fisher (2025), “Early degenerative changes are different between partial and complete anterior cruciate ligament injury and associate with joint instability in a skeletally immature porcine model,” *Osteoarthritis and Cartilage*, 33(2): 302-312. <http://doi.org/10.1016/j.joca.2024.10.015>
- J-14. Simon, KE, K Russell, A Mondino, C Yang, BC Case, Z Anderson, C Whitely, **E Griffith**, ME Gruen, and NJ Olby (2024), “A randomized, controlled clinical trial demonstrates improved owner-assessed cognitive function in senior dogs receiving a senolytic and NAD⁺ precursor combination,” *Scientific Reports*, 14:12399. <https://doi.org/10.1038/s41598-024-63031-w>
- J-15. Munoz Amezcua, AC, JM Jones, **EH Griffith**, ME Gruen (2024), “Pilot study on the efficacy and safety of a long-term oral imepitoin treatment for control of (thunder) storm associated noise phobia / noise aversion in dogs using an individualized dose titration approach,” *Animals*, 14(4), 545. <https://doi.org/10.3390/ani14040545>

- J-16. Mondino, A, C Ludwig, C Menchaca, K Russell, KE Simon, **E Griffith**, A Kis, BDX Lascelles, ME Gruen, and NJ Olby (2023). "Development and validation of a sleep questionnaire, SNoRE 3.0, to evaluate sleep in companion dogs," *Scientific Reports*, 13(1):13340. <https://doi.org/10.1038/s41598-023-40048-1>.
- J-17. Collins, C, E McCallum, K Nordby, S Aggarwal, E Griffith, C Thomas, and C Dunn (2023), "Enrollment, engagement, and effectiveness of a large-scale diabetes prevention program using synchronous distance technology," *Diabetology*, 4(4), 574- 585. <https://doi.org/10.3390/diabetology4040051>
- J-18. Mondino, A, G Wagner, K Russell, E Lobaton, **E Griffith**, M Gruen, BDX Lascelles, NJ Olby (2022), "Static posturography as a novel measure of the effects of aging on postural control in dogs," *PLoS ONE*, 17(7): e268390. <https://doi.org/10.1371/journal.pone.0268390>
- J-19. Mathews, KG, JC Brown, LC Hudson, **EH Griffith**, AJ Bocage, and JA Hash (2022), "A lateral surgical approach to the larynx may impair cervical esophageal function in dogs," *American Journal of Veterinary Research*, 83(10). <https://doi.org/10.2460/ajvr.22.03.0040>
- J-20. Zurlinden, S, S Spano, **E Griffith**, and S Bennett (2022), "Impact of Classical Counterconditioning (Quiet Kennel Exercise) on Barking in Kenneled Dogs- A Pilot Study," *Animals*, 12(2), 171. <https://doi.org/10.3390/ani12020171>
- J-21. Pankratz, K, J Korman, C Emke, B Johnson, **EH Griffith**, and ME Gruen (2021), "Randomized, placebo-controlled prospective clinical trial evaluating the efficacy of the Assisi Anti-Anxiety Device (Calmer Canine) for the treatment of canine separation anxiety," *Frontiers*, 8:775092. Doi: 10.3389/fvets.2021.775092.
- J-22. Howe, D, SG Cone, JA Piedrahita, LA Fordham, **EH Griffith**, JT Spang, and MB Fisher (2021), "Sex-Specific Function and Morphology of the Anterior Cruciate Ligament During Skeletal Growth in a Porcine Model," *Journal of Orthopaedic Research*, 40(8): 1853-1864. Doi: 10.1101/2021.05.10.442986.
- J-23. Kielb Basile, JL, AM Lynch, L Ruterbories, K Castaneda, and **E Griffith** (2021), "Influence of long-term jugular catheters on hemostatic variables in healthy dogs," *Journal of Veterinary Emergency and Critical Care*, 31(5), 557-563. Doi: 10.1111/vec.13085
- J-24. Lynch, AM, L Ruterbories, **E Griffith**, RM Hanel, AP Stablein, MB Brooks (2021), "Evaluation of point-of-care coagulation tests as alternatives to anti-Xa activity for monitoring the anticoagulant effects of rivaroxaban in healthy dogs," *Journal of Veterinary Emergency and Critical Care*, 31(1): 18-24. Doi: 10.1111/vec.13011 <https://pubmed.ncbi.nlm.nih.gov/33118685/>
- J-25. Lynch, AM, L Ruterbories, **E Griffith**, RM Hanel, AP Stablein, MB Brooks (2021), "The influence of feeding and gastroprotectant medications on the Factor Xa inhibitory activity of orally administered rivaroxaban in normal dogs," *Journal of Veterinary Emergency and Critical Care*, 31(1): 59-65. Doi: 10.1111/vec.13019 <https://pubmed.ncbi.nlm.nih.gov/33107158/>

- J-26. Muñana, KR, JA Nettifee, **EH Griffith**, PJ Early, N Yoder (2020), "Evaluation of a collar-mounted accelerometer for detecting seizure activity in dogs," *Journal of Veterinary Internal Medicine*, 34(3): 1239-1247. Doi: 10.1111/jvim.15760. <https://pubmed.ncbi.nlm.nih.gov/32293068/>
- J-27. Gingold, BMC, MB Killos, **E Griffith**, L Posner, (2019) "Measurement of Peripheral Muscle Oxygen Saturation in Healthy Horses Using a Near-infrared Spectroscopy Device," *Veterinary Anaesthesia and Analgesia*, 46(6): 789-795. Doi: 10.1016/j.vaa.2019.07.001 <https://pubmed.ncbi.nlm.nih.gov/31562027/>
- J-28. Kennedy, CJ, AE Thomson, **EH Griffith**, J Fogle, BDX Lascelles, RM Meeker, BL Sherman, ME Gruen, (2018) "Enrichment preferences of FIV-infected and uninfected laboratory-housed cats," *Viruses (Special issue: Nonprimate Lentivirus)*, 10(7), 353. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6071041/>
- J-29. Tuohy, JL, JE Fogle, K Meichner, LB Borst, CS Petty, **E Griffith**, J Osborne, and BDX Lascelles (2018), "Assessment of a Novel Nanoparticle Hyperthermia Therapy in a Murine Model of Osteosarcoma," *Veterinary Surgery*, 47(8): 1021-1030. Doi: 10.1111/vsu.12959. <https://pubmed.ncbi.nlm.nih.gov/30307042/>
- J-30. Sparks, CR, A Gorney, K Williams, **EH Griffith**, S Cerda-Gonzalez, BDX Lascelles, NJ Olby (2018), "Investigation of Sensory Thresholds in Cavalier King Charles Spaniels with and without Chiari-like Malformations and Syringomyelia," *Journal of Veterinary Internal Medicine*, 32(6): 2021-2028. Doi: 10.1111/jvim.15297. <https://pubmed.ncbi.nlm.nih.gov/30307645/>
- J-31. Curto EM, EH Griffith, LP Posner, KT Walsh, JA Balko, BC Gilger (2018). "Factors associated with postoperative complications in healthy horses after general anesthesia for ophthalmic versus non-ophthalmic procedures: 556 cases (2012-2014)." *J Am Vet Med Assoc.*, 252(9):1113-1119. doi: 10.2460/javma.252.9.1113.
- J-32. Zidan, N, J Fenn, **E Griffith**, PJ Early, CL Mariani, KR Muñana, J Guevar, and NJ Olby (2018), "The Effect of Electromagnetic Fields on Post-Operative Pain and Locomotor Recovery in Dogs with Acute, Severe Thoracolumbar Intervertebral Disc Extrusion: A Randomized Placebo-Controlled, Prospective Clinical Trial," *Journal of Neurotrauma*, 35(15):1726-1736. Doi: 10.1089/neu.2017.5485.
- J-33. Risselada, M, MD Winter, DD Lewis, **E Griffith**, A Pozzi (2018), "Comparison of three imaging modalities used to evaluate bone healing after tibial tuberosity advancement in cranial cruciate ligament-deficient dogs and comparison of the effect of a gelatinous matrix and a demineralized bone matrix of bone healing- a pilot study," *BMC Veterinary Research*, 14(1): 164. Doi: 10.1189/s12917-018-1490-4. <https://pubmed.ncbi.nlm.nih.gov/29784034/>
- J-34. Krasner, AE, A Hancock-Ronemus, LS Christian, **EH Griffith**, GA Lewbart, and JM Law (2019), "Histological evaluation of the membrane connecting the opisthosoma to the telson (telson ligament) to five suture materials in the American Horseshoe Crab (*Limulus polyphemus*)," *PeerJ*, 7:e7061. doi: 10.7717/peerj.7061.
- J-35. Balko, JA, BJ Gatson, EB Cohen, **EH Griffith**, CA Harms, and KM Bailey (2018), "Inhalant anesthetic recovery following intramuscular epinephrine in the loggerhead sea turtle

(*caretta caretta*),” *Journal of Zoo and Wildlife Medicine*, 49(3): 680-688. Doi: 10.1638/2017-0182.1.

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Agricultural Sciences, Animal Science, and Entomology

- J-104. Thompson, JD, D Howe, **EH Griffith**, LV Schnabel, and MB Fisher (2024), “Neo-natal castration leads to subtle differences in porcine anterior cruciate ligament morphology and function in adolescence” *Journal of Biomechanical Engineering*, 146(1):011002. 146(1):011002. <https://doi.org/10.1115/1.4063744>.
- J-105. Harlow, K, MJ Griesgraber, AD Seman, SL Shuping, JR Sommer, **EH Griffith**, SM Hileman, and CC Nestor (2022), “The impact of undernutrition on KNDy (kisspeptin/neurokinin B/dynorphin) neurons in female lambs,” *Journal of Neuroendocrinology*, 34(6): e13135. Doi: 10.1111/jne.13135
- J-106. Li, F, A Yamamoto, EJ Belikoff, A Berger, **EH Griffith**, and MJ Scott (2021), “A conditional female lethal system for genetic suppression of the global fruit crop pest *Drosophila suzukii*,” *Pest Management Science*, 77(11): 4915-4922. Doi: 10.1002/ps.6530.
- J-107. Dorman, SJ, MW Kudenov, A Lytle, **EH Griffith**, AS Huseh, (2021) “Computerized vision for regulatory decisions of field-evolved lepidopteran resistance to *Bt* crops,” *Pest Management Science*, 77(11): 5236-5245. Doi: 10.1002/ps.6566.

Ecology and Wildlife

- J-108. Drake, MD, MN Peterson, **EH Griffith**, C Olfenbittel, CS DePerno, CE Moorman (2020), “How Urban identity, affect, and knowledge predict perceptions about coyotes and their management,” *Anthrozoös*, 33(1): 5-19.
- J-109. Lombardo, SM, JA Buckel, EF Hain, **EH Griffith**, H White (2020), “Evidence for temperature-dependent shifts in spawning times of anadromous alewife (*Alosa pseudoharengus*) and blueback herring (*Alosa aestivalis*),” *Canadian Journal of Fisheries and Aquatic Sciences*, 77(4): 741-751.
- J-110. Drake, M, MN Peterson, **E Griffith**, C Olfenbittel, C Moorman, C DePerno, (2019) “Hunting Interacts with Socio-demographic Predictors of Human Perceptions of Urban Coyotes,” *The Wildlife Society Bulletin*, 43(3): 447-454. Doi: 10.1002/wsb.993
- J-111. **Griffith, EH**, JR Sauer and JA Royle (2010), “Traffic Effects on Bird Counts on North American Breeding Bird Survey Routes.,” *The Auk*, 127(2): 387-93.

- J-112. Fonseca, MS, WJ Kenworthy, **EH Griffith**, MO Hall, M Finkbeiner and SS Bell (2008), "Factors influencing landscape pattern of the seagrass *Halophila decipiens* in an oceanic setting," *Estuarine, Coastal and Shelf Science*, 76:163-74.
- O-4. **Griffith, EH**, and JA Royle (2009), "Spatial design for the North American Breeding Bird Survey (BBS): An Integrated Approach," *Proceedings of the Joint Statistical Meetings. In JSM Proceedings, Statistics and the Environment Section*, Alexandria, VA: American Statistical Association, 1121-31.

Book Chapters

1. Barnett-Ryan, C and **EH Griffith**, Dynamic Crime Reporting, In: Handbook on the Psychology of Violence, Cuevas, CA and CM Rennison eds., Wiley-Blackwell, 7-23, 2016.
2. Geisler, C and J Swarts with **EH Griffith**, Evaluating Significance, In: Coding Streams of Language: Techniques for the Systematic Coding of Text, Talk, and Other Verbal Data, University Press of Colorado, 309-360, 2019.

PRESENTATIONS

Invited, Seminar, and Guest Lectures

- 2025 Learning to Manage: Running a Collaborative or Consulting Program in Academia, Joint Statistical Meetings, Invited Panel Session
- 2025 Launching and Sustaining Statistical and Data Science Consulting: Planning and Assessing for Success, Conference on Applied Statistics in Agriculture and Natural Resources, with M. Blake
- 2025 Navigating Difficult Conversations, ASA JEDI Outreach Group Student Webinar, with J. Sharp and Z. Weller.
- 2024 Weaving Ideas Together: Training the Next Generation of Collaborative Statisticians, Vanderbilt University, Department of Biostatistics Seminar
- 2024 Legacies of Women in Data Science and Statistics, International Day of Women in Statistics and Data Science, with E Hector and J Sharp.
- 2024 Weaving Ideas Together: Training the Next Generation of Collaborative Statisticians, Clemson University, Statistical Sciences Seminar
- 2023 Models for Sustainable and Inclusive Data Science Consulting and Collaboration in Higher Education, Coalition for Networked Information Fall 2023 Membership Meeting, with M. Blake
- 2023 Weaving Ideas Together: Training the Next Generation of Collaborative Statisticians, University of North Carolina Chapel Hill, Biostatistics Seminar
- 2023 Weaving Ideas Together: Training the Next Generation of Collaborative Statisticians, Wake Forest University, Statistics Seminar
- 2023 Reaping What You Sow, Conference on Statistical Practice, Concurrent Panel Discussion
- 2022 Training the Next Generation of Applied Statisticians, Duke University, Department of Statistical Science, Pro Seminar Series.
- 2022 Responsible Data Analyses: Avoiding Fishing, Cherry Picking, and Other Pitfalls, University of Wisconsin-Madison, School of Veterinary Medicine, TRIP Conference
- 2022 Localized Efforts to Amplify and Elevate Women in the Data Sciences and Statistics, Women in Statistics and Data Science, Invited Panel Discussion.
- 2022 Professional Strategies in Statistics: Mentoring Students for Professional Success, Joint Statistical Meetings, Invited Panel Discussion.

- 2022 Navigating Difficult Conversations in Collaborative Statistics, Notre Dame, Guest Lecture
- 2022 Collaborative Research Success: How to Build Your First Statistical Team, ENAR
- 2022 Communication and Power Skills across Academia, Industry, and Government Settings, Conference on Statistical Practice
- 2021 Adapting to the Changing Landscape of Academic Statistical Collaboration, International Conference on Advances in Interdisciplinary Statistics and Combinatorics
- 2021 Academic Collaborative Statisticians: Tips, Tricks, and Techniques for Success, The Ohio State University Biostatistics Seminar Series
- 2021 Training the Next Generation of Applied Statisticians, CAUSE/Journal of Statistics and Data Science Education Webinar Series
- 2021 Establishing a Collaborative Career in Academia: Advice for the Promotion of Collaborative Statistics in Research and Teaching Institutions, Pathways to Promotion Committee of ASA Statistical Consulting Section
- 2021 Elevating Applied Statistics in Academic Departments, Joint Statistical Meetings
- 2020 Strategies for Training the Next Generation of Applied Statisticians, Joint Statistical Meetings
- 2020 Modeling Reciprocity: Designing a Collaborative Undergraduate Research Course, Joint Statistical Meetings, Invited Poster
- 2020 Responsible Data Analyses: Avoiding Fishing, Cherry Picking, and Other Pitfalls, University of Wisconsin-Madison, School of Veterinary Medicine, TRIP Conference
- 2020 Strategies for Working with Data, American Institute of Architects (AIA) Technology in Architecture Practice 2020 Building Connections Conference, AIA Headquarters, Washington, DC
- 2019 The Juggling Collaborative Statistician: Which Balls to Drop? Joint Statistical Meetings
- 2019 Responsible Data Analyses: Avoiding Fishing, Cherry Picking, and Other Pitfalls, University of Wisconsin-Madison, School of Veterinary Medicine, TRIP Conference
- 2019 Statistical Consulting Core: Lessons Learned, Virginia Commonwealth University, Department of Statistics
- 2017 Teaching a Large, Project-Based Statistical Consulting Class, Joint Statistical Meetings, Invited Poster
- 2016 In the Beginning: Practical applications of Statistical Principles, Environmental Protection Agency, Community of Practice for Statistics
- 2015 Adventures in Quality Control: Assessing System Suitability in Liquid Chromatography-Tandem Mass Spectrometry, UNC-Greensboro, Departments of Statistics and Mathematics
- 2014 Playing in Everyone's Backyard: Statistical Consulting in the Sciences," International Conference on Advances in Interdisciplinary Statistics and Combinatorics
- 2014 Discussant, Section on Environmental Statistics, Student Paper Awards, Joint Statistical Meetings
- 2007 Catch Curve and Capture Recapture Models: A Bayesian Combined Approach, Bayesian Statistics Seminar, North Carolina State University

Contributed

- 2025 Addressing Faculty Salary Inequities in Higher Education, Joint Statistical Meetings, Topic-Contributed Session. (non-presenting author, with L Stefanski).
- 2023 Strategies for Successfully Scoping and Tracking Collaborative Statistical Work, Joint Statistical Meetings, Topic-Contributed Panel. **Winner, Best Organized Topic Panel Session from the ASA's Section on Statistical Consulting.**
- 2023 Using Webinars to Promote Skills and Create Community Support among Collaborative and Consulting Statisticians, Conference on Statistical Practice (first author, T. Vasilopoulos was presenting author)
- 2023 Organizing and Sustaining Data Science Consulting and Collaboration in Higher Education, Academic Data Science Alliance Annual Meeting (with M Blake)

- 2022 Data Science Consulting and Collaboration: A Cooperative Adventure, Symposium on Data Science and Statistics, Poster Session. (with M Nutt, M Blake).
- 2021 Engaging in Difficult Conversations with Non-Statisticians, Conference on Statistical Practice, Concurrent Session.
- 2020 Finding Your People: Networking for Collaboration and Friendship, Women in Statistics and Data Science, Concurrent Session.
- 2018 Professional Strategies Working Group: Developing and Supporting the Next Generation of Statistical Leadership, Women in Statistics and Data Science, Concurrent Session.
- 2018 Special Session: Perspectives on Statistical Consulting – A Panel Discussion, International Conference on Advances in Interdisciplinary Statistics and Combinatorics.
- 2018 Finding Undergraduate Research Projects: Pipelines within a University, Joint Statistical Meetings, Topic Contributed Paper.
- 2017 The Spectrum of Consulting in Academia, Joint Statistical Meetings, Topic Contributed Paper.
- 2016 Pivoting from Novice to Expert: Statistical Consulting in the Sciences, Women in Statistics and Data Science.
- 2014 Statistical Analysis of Veterinary Clinical Trials, Poster Presentation by Alexandra E. Larsen, Trends and Innovations in Clinical Trial Statistics, Cary, NC.
- 2012 Estimating Statistical Bias for County Level Crime Rates, Poster Presentation, Joint Statistical Meetings.
- 2010 Creating Positive Decision Making in the ‘Intelligence-Led’ Policing Era through the Analysis of Criminal Justice Data, Roundtable Discussion, American Society of Criminology.
- 2010 Analysis and Uniform Crime Reporting: The Story Behind the Headlines, Federal Bureau of Investigation/John Jay College Conference on Crime Data.
- 2009 Spatial design for the North American Breeding Bird Survey (BBS): An Integrated Approach, Joint Statistical Meetings.

Campus Talks

- 2023 Responsible Data Analysis, Guest Lecture in Biotechnology (BIT 815: Rigor and Reproducibility in Research)
- 2022 Responsible Data Analysis, Summer Boot Camp 2022, Rigor, Reproducibility, and Responsibility in Research, CMI.
- 2021 Statistical Inference: An Overview, Power Half Hour, NC State Libraries.
- 2021 The Bootstrap, Power Half Hour, NC State Libraries.
- 2021 Misinterpreted Statistics in the News, Power Half Hour, NC State Libraries.
- 2020 How to Read a Paper (Well), College of Veterinary Medicine.
- 2020 Power and Sample Size, Power Half Hour, NC State Libraries.
- 2020 The P-value Controversy, Power Half Hour, NC State Libraries.
- 2020 Experimental Design: What to know!, Power Half Hour, NC State Libraries.
- 2020 Statistical Software: Overview?, Lunch and Learn, College of Veterinary Medicine.
- 2019 Power and Sample Size, Lunch and Learn, College of Veterinary Medicine.
- 2019 Statistical Thinking, Lunch and Learn, College of Veterinary Medicine.
- 2017 How to Read a Paper, College of Veterinary Medicine.
- 2015 Demystifying Power Analysis, College of Veterinary Medicine.
- 2014 Statistical Analysis with SAS and JMP, Lunch and Learn, College of Veterinary Medicine.
- 2014 Playing in Everyone’s Backyard: Statistical Consulting in the Sciences, Statistics Club Meeting.
- 2013 Being a Collaborative Biostatistician: Working with Veterinarians, Statistics Club Meeting.
- 2013 Statistical Software: From Design to Analysis and Beyond, Lunch and Learn, College of Veterinary Medicine.
- 2013 Overview of Power Analysis,” College of Veterinary Medicine.
- 2013 Statistical Consulting within the Federal Bureau of Investigation’s Criminal Justice Information Services Division, Statistics Club meeting.

Professional Society Certifications and Memberships

- SAS Certified Base Programmer for SAS 9 (2010)
- American Statistical Association (ASA) member, 2012 - present
- Caucus for Women in Statistics (CWS) member, 2020 - present

Professional Development Courses Taken

- Faculty LEAD (2024-25)
- The Inclusive STEM Teaching Project (Summer 2021)
- Applying the Quality Matters Rubric (Fall 2021)