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Education

- **University of North Carolina at Chapel Hill** Spring 2025
Chapel Hill, NC
 - Ph.D. Statistics
 - Advisors: J.S. (Steve) Marron, Jan Hannig, Zhengwu Zhang
- **Clemson University** Spring 2020
Clemson, SC
 - B.S. Mathematics
 - Statistics Emphasis
 - Minor in Philosophy

Professional Experience

- **Graduate Teaching Fellow** Spring 2022-Present
Chapel Hill, NC
 - *University of North Carolina*
- **Graduate Teaching Assistant** Fall 2020-Fall 2021
Chapel Hill, NC
 - *University of North Carolina*
- **Summer Research Experience for Undergraduates in Data Analytics and Statistics** Summer 2019
Claremont, CA
 - *Harvey Mudd University*
- **Clemson University Undergraduate Researcher in Applied Computational Mathematics** Winter 2019-Fall 2019
Clemson, SC
 - *Clemson University Mathematics Department*
- **Summer Research Experience for Undergraduates in Data Analytics and Biology** Summer 2018
Greensboro, NC
 - *University of North Carolina A&T*
- **Clemson University Supplemental Instruction Tutor** Summer 2017-Fall 2020
Clemson, SC
 - *Clemson University Bridge Program*

Publications

Refereed Articles¹

- 1) **Ackerman, A.**; Zhang, Z.; Hannig, J.; Prothero, J.; Marron, J.S.; Multi-faceted Brain Imaging Data Integration via Analysis of Subspaces. (*submitted Psychometrika*)
- 2) **Ackerman, A.** Moral Machine Learning: Teaching a Course at the Intersection of Applied Statistics and Moral Philosophy. (*under review at Journal of Statistics and Data Science Education*)
- 3) Prothero, J.; Jiang, M.; Hannig, J.; Tran-Dinh Q.; **Ackerman A.**; Marron, J.S.; Data integration via analysis of subspaces (DIVAS). *TEST* (2024). <https://doi.org/10.1007/s11749-024-00923-z>
- 4) **Ackerman, A.**; Martin, B.; Tanisha, M.; Edoh, K.; Ward, J.P. High-Dimensional Contact Network Epidemiology. *Epidemiologia* (2023), 4, 286-297. <https://doi.org/10.3390/epidemiologia4030029>

Teaching

Curriculum Developed

- 1) “Moral Machine Learning”
 - a. Formally listed as STOR 390 *Machine Learning: Ethics and Society*; inaugural semester Spring 2024
 - b. Currently satisfying the *data, culture, and society* credit of the Data Science minor

¹ Listed in reverse chronological order

Courses Taught (Instructor of Record)

- 1) Fall 2024
 - a. STOR 390 (Moral Machine Learning) –
- 2) Summer 2024
 - a. STOR 120 (Foundations of Statistics in Python) – 11 students
 - b. STOR 455 (Linear Models) – 18 students
- 3) Spring 2024
 - a. STOR 390 (Moral Machine Learning) – 25 students
- 4) Fall 2023
 - a. STOR 155 (Introduction to Inference and Regression) – 102 students
- 5) Summer 2023
 - b. STOR 113 (Business Calculus and Decision Models) – 16 students
 - c. STOR 455 (Linear Models) – 22 students
- 6) Spring 2023
 - a. STOR 155 (Introduction Inference and Regression) – 108 students
- 7) Fall 2022
 - a. STOR 320 (Intermediate Statistical Computation in R) – 107 students
- 8) Summer 2022
 - a. STOR 155 (Introduction to Inference and Regression) – 13 students
 - b. STOR 155 (Introduction Inference and Regression) – 15 students
 - c. STOR 113 (Business Calculus and Decision Models) – 13 students
- 9) Spring 2022
 - a. STOR 155 (Introduction Inference and Regression) – 47 students

Course TA

- 1) Fall 2021
 - a. STOR 538 (Instructor of Record: Mario Giacomazzo)
- 2) Summer 2021
 - a. STOR 320 (Instructor of Record: Mario Giacomazzo)
 - b. STOR 320 (Instructor of Record: Wonkyung Jang)
- 3) Spring 2021
 - a. STOR 538 (Instructor of Record: Mario Giacomazzo)
- 4) Fall 2020
 - a. STOR 538 (Instructor of Record: Mario Giacomazzo)

Awards and Honors

- **Walter Deemer Excellence in Teaching Award** Fall 2022
 - *University of North Carolina Department of Statistics and Operations Research* Chapel Hill, NC
- **Pat Croskery National Coach of the Year Award** Spring 2024
 - *Association for Practical and Professional Ethics Intercollegiate Ethics Bowl* Cincinnati, Ohio
- **Intercollegiate Ethics Bowl National Champion (Coach)** Spring 2024
 - *Association for Practical and Professional Ethics* Cincinnati, Ohio
- **Palmetto Fellow** Spring 2016-Fall 2020
 - *South Carolina Commission for Higher Education* Clemson, SC
- **Regional and State Elks Club Scholarship Recipient** Spring 2016
 - *National Elks Club* Clemson, SC
- **Clemson University Staff Endowed Scholarship Award** Spring 2018, 2019, 2020
 - *Clemson University* Clemson, SC

Professional Service

- **STOR Data Outreach Program for Students** Spring 2021-Present
 - *University of North Carolina Department of Statistics and Operations Research* Chapel Hill, NC
- **University of North Carolina Intercollegiate Ethics Bowl Head Coach** Fall 2023-Present
 - *University of North Carolina Parr Center for Ethics* Chapel Hill, NC
- **Sports Analysis and Intelligence Laboratory (SAIL) Graduate Advisor** Fall 2023-Present
 - *University of North Carolina Department of Statistics and Operations Research* Chapel Hill, NC
- **Guest Judge National High School Ethics Bowl** Spring 2022
 - *University of North Carolina NHSEBAcademy* Virtual
- **Graduate Student Mentor** 2023, 2021
 - *University of North Carolina Department of Statistics and Operations Research* Chapel Hill, NC

Presentations

Invited Talks

- **“Contact Network Epidemiology” - Clemson University Math 2500** Fall 2018
 - *Clemson University* Clemson, SC
- **“Data Integration” – UNC EPIC** Summer 2024
 - *UNC Education Workshop on Intelligence and Connectomics* Chapel Hill, NC

Conference Presentations

- **“Multifaceted Brain Imaging Data Integration via Analysis of Subspace”** Summer 2023
 - *International Conference on Brain Informatics (Stevens Institute of Technology)* Hoboken, NJ
- **“Multifaceted Brain Imaging Data Integration via Analysis of Subspace”** Fall 2023
 - *STORfest Conference* Chapel Hill, NC

Professional Membership

- **Parr Center for Ethics Graduate Fellow** Fall 2020-Present
 - *University of North Carolina Parr Center for Ethics* Chapel Hill, NC
- **Alpha Lambda Delta National Honors Society** Spring 2017-Fall 2020
 - *Clemson University* Clemson, SC

Skills

- Formal debate and argumentation
- Software
 - Advanced: Matlab, R, LaTeX
 - Intermediate: Python, Stata, Minitab
 - Basic: C, ZeroMQ