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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 Articles**

- 1) **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>
- 2) 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>
- 3) 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*)

## **Teaching**

### **Courses Taught**

- 1) Summer 2024
  - a. STOR 120 (Foundations of Statistics in Python)
  - b. STOR 455 (Linear Models)
- 2) Spring 2024
  - a. STOR 390 (Moral Machine Learning) – 25 students
- 3) Fall 2023
  - a. STOR 155 (Introduction to Inference and Regression) – 102 students

- 4) Summer 2023
  - b. STOR 113 (Business Calculus and Decision Models) – 16 students
  - c. STOR 455 (Linear Models) – 22 students
- 5) Spring 2023
  - a. STOR 155 (Introduction Inference and Regression) – 108 students
- 6) Fall 2022
  - a. STOR 320 (Intermediate Statistical Computation in R) – 107 students
- 7) 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
- 8) Spring 2022
  - a. STOR 155 (Introduction Inference and Regression) – 47 students

## **Curriculum Developed**

- 1) “Moral Machine Learning”
  - a. Formally listed as STOR 390 *Machine Learning: Ethics and Society*; inaugural semester Spring 2024

## **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”**
  - *International Conference on Brain Informatics (Stevens Institute of Technology)*
- **“Multifaceted Brain Imaging Data Integration via Analysis of Subspace”**
  - *STORfest Conference*

Summer 2023

Hoboken, NJ

Fall 2023

Chapel Hill, NC

#### Professional Membership

- **Parr Center for Ethics Graduate Fellow**
  - *University of North Carolina Parr Center for Ethics*
- **Alpha Lambda Delta National Honors Society**
  - *Clemson University*

Fall 2020-Present

Chapel Hill, NC

Spring 2017-Fall 2020

Clemson, SC

#### Skills

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