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## **Education**

- **University of North Carolina at Chapel Hill** **Spring 2025**  
Chapel Hill, NC
  - Ph.D. Statistics and Operations Research
  - 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**

- **Assistant Professor (Tenure-Track)** **Summer 2025-Present**  
Easton, PA
  - *Lafayette College Department of Mathematics*
- **Graduate Teaching Fellow** **Spring 2022-Spring 2025**  
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<sup>1</sup>**

- 1) **Ackerman A**, Zhang Z, Hannig J, Prothero J, Marron JS. Multifaceted Neuroimaging Data Integration via Analysis of Subspaces. *Psychometrika*. (2025), 1-26. [doi:10.1017/psy.2025.10020](https://doi.org/10.1017/psy.2025.10020)
- 2) **Ackerman, A**. Moral Machine Learning: Teaching a Course at the Intersection of Applied Statistics and Moral Philosophy. *Journal of Statistics and Data Science Education* (2025). <https://doi.org/10.1080/26939169.2025.2485239><sup>2</sup>
- 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>

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<sup>1</sup> Listed in reverse chronological order

<sup>2</sup> Associated with first listed award/honor

## Teaching

### Curriculum Developed

- 1) “Moral Machine Learning”
  - a. Formally listed as STOR 390 *Machine Learning: Ethics and Society*; inaugural semester Spring 2024
  - b. Satisfied the *data, culture, and society* credit of the Data Science minor until Spring 2025
  - c. Permanently listed as STOR 323 starting in the Fall of 2025. This course satisfies the above minor credit and elective credit in the STAN minor.

### Courses Taught (Instructor of Record)

#### Spring 2025

- 1) STOR 155 (Introduction to Inference and Regression) 104 students

#### Fall 2024

- 2) STOR 390 (Moral Machine Learning) 33 students

#### Summer 2024

- 3) STOR 120 (Foundations of Statistics in Python) 11 students
- 4) STOR 455 (Linear Models) 18 students

#### Spring 2024

- 5) STOR 390 (Moral Machine Learning) 25 students

#### Fall 2023

- 6) STOR 155 (Introduction to Inference and Regression) 102 students

#### Summer 2023

- 7) STOR 113 (Business Calculus and Decision Models) 16 students
- 8) STOR 455 (Linear Models) 22 students

#### Spring 2023

- 9) STOR 155 (Introduction Inference and Regression) 108 students

#### Fall 2022

- 10) STOR 320 (Intermediate Statistical Computation in R) 107 students

#### Summer 2022

- 11) STOR 155 (Introduction to Inference and Regression) 13 students
- 12) STOR 155 (Introduction Inference and Regression) 15 students
- 13) STOR 113 (Business Calculus and Decision Models) 13 students

#### Spring 2022

- 14) STOR 155 (Introduction Inference and Regression) 47 students

### Awards and Honors

- **Graduate Paper Award (Third Prize)** **Fall 2024**
  - *Society for Ethics Across the Curriculum* Clemson, SC
- **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

- |  |                                |
|--|--------------------------------|
| • <b>STOR Data Outreach Program for Students</b>                                       | <b>Spring 2021-Spring 2024</b> |
| ○ <i>University of North Carolina Department of Statistics and Operations Research</i> | Chapel Hill, NC                |
| • <b>University of North Carolina Intercollegiate Ethics Bowl Head Coach</b>           | <b>Fall 2023-Spring 2024</b>   |
| ○ <i>University of North Carolina Parr Center for Ethics</i>                           | Chapel Hill, NC                |
| • <b>Sports Analysis and Intelligence Laboratory (SAIL) Graduate Advisor</b>           | <b>Spring 2023-Spring 2025</b> |
| ○ <i>University of North Carolina Department of Statistics and Operations Research</i> | Chapel Hill, NC                |
| • <b>Guest Judge National High School Ethics Bowl</b>                                  | <b>Spring 2022</b>             |
| ○ <i>University of North Carolina NHSEBAcademy</i>                                     | Virtual                        |
| • <b>Graduate Student Mentor</b>   | <b>2023, 2021</b>              |
| ○ <i>University of North Carolina Department of Statistics and Operations Research</i> | Chapel Hill, NC                |

## Presentations

### Invited Talks

- |  |                    |
|--|--------------------|
| • <b>“Contact Network Epidemiology” - Clemson University Math 2500</b> | <b>Fall 2018</b>   |
| ○ <i>Clemson University</i>  | Clemson, SC        |
| • <b>“Data Integration” – UNC EPIC</b>                                 | <b>Summer 2024</b> |
| ○ <i>UNC Education Workshop on Intelligence and Connectomics</i>       | Chapel Hill, NC    |

### Conference Presentations

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|--|--------------------|
| • <b>“Multifaceted Brain Imaging Data Integration via Analysis of Subspace”</b>          | <b>Summer 2023</b> |
| ○ <i>International Conference on Brain Informatics (Stevens Institute of Technology)</i> | Hoboken, NJ        |
| • <b>“Multifaceted Brain Imaging Data Integration via Analysis of Subspace”</b>          | <b>Fall 2023</b>   |
| ○ <i>STORfest Conference</i>   | Chapel Hill, NC    |
| • <b>“Moral Machine Learning”</b>  | <b>Fall 2024</b>   |
| ○ <i>Society for Ethics Across the Curriculum (Clemson University)</i>                   | Clemson, SC        |

## Professional Membership

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|---|------------------------------|
| • <b>University of North Carolina AI Project</b>                                  | <b>Fall 2024-Spring 2025</b> |
| ○ <i>University of North Carolina Computer Science and Philosophy Departments</i> | Chapel Hill, NC              |
| • <b>Parr Center for Ethics Graduate Fellow</b>                                   | <b>Fall 2020-Fall 2024</b>   |
| ○ <i>University of North Carolina Parr Center for Ethics</i>                      | Chapel Hill, NC              |
| • <b>Alpha Lambda Delta National Honors Society</b>                               | <b>Spring 2017-Fall 2020</b> |
| ○ <i>Clemson University</i>   | Clemson, SC                  |

## Skills

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