Saurabh Bhandari

Contact Information

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Education

08/2020–Present **Ph.D., Statistics** - University of Florida, Gainesville, Florida
Advisor: Dr. Michael J. Daniels **Expected completion:** Aug, 2025

08/2016–05/2020 **B.S., Computer Science** - Troy University, Troy, Alabama
Second Major: Mathematics

Reseach Interests

Causal inference with observational data, flexible Bayesian modeling, machine learning, joint modeling of longitudinal and survival data.

Academic Experience

08/2022- Current **University of Florida**
Position: Research Assistant Supervisor: Dr. Michael J. Daniels
Research areas: Causal mediation, joint modeling of longitudinal and survival data, Bayesian semi/non-parametric modeling, machine learning.

08/2024-Current **University of Florida**
Position: Instructor
Class: STA 3024- Introduction to Statistics II

06/2022–08/2022 **University of Florida**
Position: Instructor
Class: STA 2023- Introduction to Statistics I

08/2020–06/2022 **University of Florida**
Position: Graduate Teaching Assistant
Classes: STA 3024 (Fall 20, Spring 21, Summer B 21, Summer A 22), STA 4211 (Fall 21, Spring 22)

Internship Experience

05/2023–08/2023 **Regeneron Pharmaceuticals**, Tarrytown, New York
Position: Ph.D. Intern (Biostatistics) Supervisor: Dr. Chenguang Wang

Research

Manuscripts

1. Bhandari, S., Daniels, M.J., Josefsson, M., Lloyd-Jones D.M., Siddique J.A Bayesian semi-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes. *Submitted.*
2. Bhandari, S., Karmakar, B., Daniels, M.J.Causal mediation analysis for longitudinal data in the presence of treatment non-compliance and multiple mediators. *Expected to submit Spring 2025.*
3. Bhandari, S., Wang, C., Daniels, M.J. Integrating tumor burden with survival outcome for treatment effect evaluation in oncology trials. *Expected to submit Spring 2025.*
4. Bhandari, S., Daniels, M.J., Siddique J. A Bayesian non-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes in continuous time. *Expected to submit Summer 2025*

Talks and Presentations

Invited Speaker

1. **CMStatistics 2023**. Berlin, Germany. A Bayesian semi-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes. Dec 2023.

Contributed Speaker

1. **JSM 2024**. Portland, OR. A Bayesian semi-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes. Aug 2024.
2. **2024 Mark C. K. Yang Mentor Ceremony Event**. Gainesville, FL. A Bayesian semi-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes. Nov 2024.
3. **IBC 2024**. Atlanta, GA. A Bayesian semi-parametric approach to causal mediation for longitudinal mediators and time-to-event outcomes. Dec 2024.

Honors and Awards

Dec 2023	College of Liberal Arts and Sciences at University of Florida *Graduate Travel Award*
May 2020	Troy University Mathematics Department *Pi Mu Epsilon Excellence In Leadership Award - 2020*