

CONTACT

INFORMATION

Department of Biostatistics And Computational Biology  
School of Medicine and Dentistry  
University of Rochester  
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PROFESSIONAL  
EXPERIENCE

2015-2017

LabAnswer, Inc. (Acquired, Deloitte 2017)  
Informatics Consultant, *Software Development and Support*

EDUCATION

PhD Candidate, [University of Rochester](#)  
Department of Biostatistics and Computational Biology, August 2017 to Present  
Title: *The Partial Linear Model in Causal Inference:  
Estimation, Selection and Inference Leveraging Machine Learning*

B.S., [Stetson University](#)  
Department of Mathematics and Computer Science, August 2011 to May 2015

RESEARCH  
INTERESTS

Variable Selection, Post-Selection Inference, Causal Inference, Mediation Analysis, Precision Medicine, Semiparametric Theory, High-dimensional Analyses.

PUBLICATIONS

- Yaeger, J.P., **Jones, J.**, Ertefaie, A., Caserta, M. T., van Wijngaarden, E., & Fiscella, K. (2021). Using Clinical History Factors to Identify Bacterial Infections in Young Febrile Infants. *The Journal of Pediatrics*, 232, 192-199.
- Yaeger, J.P., **Jones, J.**, Ertefaie, A., Caserta, M. T., van Wijngaarden, E., & Fiscella, K. (2021). Validation of a Clinical-Based Approach to Detect Bacterial Infections in Young Febrile Infants. *Hospital Pediatrics*. (submitted)
- Yaeger, J.P., **Jones, J.**, Ertefaie, A., Caserta, M. T., van Wijngaarden, E., & Fiscella, K. (2021). Using Clinical Factors to Estimate Bacteremia Risk in Febrile Infants with Positive Blood Culture. *Journal of the Pediatric Infectious Diseases Society*. (submitted)

CONFERENCE

PRESENTATIONS

- (Invited) EcoStat, Online, 2021. *Inference after Model Selection in Robust Q-learning*.
- ENAR, Online, 2021. *Post-selection Inference via the Lasso in Robust Q-Learning*.
- 22nd Annual NINDS Udall Centers Meeting, Online, 2020. *Treatment characterization and decision-making strategy for first-line pharmacological motor symptomatic therapies in Parkinson's disease*.
- ENAR, Philadelphia, PA, 2019. *Mediator Selection with Nonparametric Confounding Control*.

TALKS AND  
POSTERS

- National Studies on Air Pollution and Health Working Group, Harvard University, Online, 2021. *Challenges in Assessing Medicare Hospitalization-Mediated Effect of PM<sub>2.5</sub> on Mortality*.
- (Internal) UR School of Medicine and Dentistry Visit Weekend, Rochester, NY, 2021. *Personalized Medicine for Parkinson's disease. A Statistical Machine-Learning Approach*.
- (Internal) UR Neurology Working Group, Online, 2021. *Individualized first-line treatment strategies for the motor symptoms of Parkinson's disease*.
- (Internal) UR School of Medicine and Dentistry Visit Weekend, Rochester, NY, 2020. *Personalized Medicine for Parkinson's disease. A Statistical Machine-Learning Approach*.
- UpSTAT 2018, Rochester, NY. *A brief history of crime in Rochester, NY*.

VISITING  
SCHOLAR

Department of Epidemiology, Harvard School of Public Health, Aug 2020-Present.

HONORS AND  
AWARDS

- Ashcraft Award for the Outstanding Junior in Mathematics, 2014.
- UpStat 2018 Data Science Team Competition, Gold Medal, 2018.
- NSF Graduate Research Fellowship Honorable Mention, 2019.
- Trainee Rapid Research Presenter Nominee, UR-Udall Centers Virtual Meeting + Symposium, 2020.
- 2020-2021 William Jackson Hall Graduate Student Fellowship.

MENTORSHIP

- Jobi Jose (B.S. student, 2020-present, University of Rochester)

TEACHING AND  
ASSISTANTSHIP

- Fall 2017, Introduction to Biostatistics, BST 463
- Spring 2019, Intermediate Statistical and Computational Methods, CSC 265
- Fall 2020, Semiparametric Theory, BST 512 (Lecture on Semiparametric Efficiency of the Partial Linear Model)