

EDUCATION

- **University of Wisconsin–Madison** Madison, WI
Ph.D. Statistics; GPA: 3.94 Jun 2020 – Present
- **Duke University** Durham, NC
M.S. Economics and Computation; GPA: 3.88 Aug 2018 – May 2020
- **Birla Institute of Technology and Science, Pilani** Pilani, India
B.E. Computer Science and M.Sc. Economics; GPA: 3.64 (9.11/10) Aug 2012 – July 2017

PRE-PRINTS

- Kokandakar, A.H., Kang, H., and Deshpande, S.K. (2022+), “Sensitivity of Bayesian Casual Forests to Modeling Choices: A Re-analysis of the 2022 ACIC Data Challenge”. [[arXiv:2211.02020](#)]
- Kokandakar, A.H., Lin, Y., Jin, S., Weiss, J., Rabinowitz, A.R., May, R.A.B., Deshpande, S.K., and Small, D. (2022), “Protocol for an observational study on the effects of adolescent sports participation on health in early adulthood”. [[arXiv:2211.02104](#)]

PUBLICATIONS

- Challa, J.S., Goyal, P., Kokandakar, A., Mantri, D., Verma, P., Balasubramaniam, S., and Goyal, N. (2021). “Anytime clustering of data streams while handling noise and concept drift”. *Journal of Experimental & Theoretical Artificial Intelligence*, 1-31.

RESEARCH EXPERIENCE

- **University of Wisconsin–Madison** Madison, WI
Research Assistant, Advisors: Dr. Sameer Deshpande and Dr. Keith Levin May 2022 – Aug 2022
 - Developing Bayesian methods for causal inference in social networks
- **University of Wisconsin–Madison** Madison, WI
Research Assistant, Advisors: Dr. Menggang Yu and Dr. Guanhua Chen June 2020 – Dec 2021
 - Worked on a method for the estimation of heterogeneous treatment effects that is robust to errors drawn from heavy-tailed distributions
- **Duke University** Madison, WI
Research Assistant, Dept. of Economics, Advisor: Dr. Matthew Masten May 2019 — Feb 2020
 - Conducted a literature survey of methods to assess the sensitivity of the average treatment effect estimators to violations of the conditional ignorability assumption in linear models
- **Duke University** Madison, WI
Research Assistant, The Fuqua School of Business, Advisor: Dr. Giuseppe Lopomo June 2019 — Dec 2019
 - Characterized the optimal mechanism for procurement in the presence of bidders with financial externalities
 - Assisted with research including proofreading drafts of papers; verifying algebraic proofs using Maple; solving mechanism design problems using CPLEX, AMPL and MATLAB; and assisting in setting up MTurk experiments
- **Duke University** Madison, WI
Research Assistant, Dept. of Economics, Advisor: Dr. Arjada Bardhi Jan 2019 — May 2019
 - Simulated Gaussian processes using the GPML toolkit for MATLAB
 - Simulated Poisson Bandit Problems to calculate discounted occupancy measures for each arm

TEACHING EXPERIENCE

- **University of Wisconsin–Madison** Madison, WI
Teaching Assistant, Department of Statistics
 - STAT 240: Data Science Modeling 1 (Fall 2022)
 - STAT 371: Introductory Applied Statistics for the Life Sciences (Spring 2022)
- **Duke University** Durham, NC
Teaching Assistant, Department of Computer Science
 - COMPSCI 370: Introduction to AI ([Spring 2020](#))
 - COMPSCI 201: Algorithms and Data Structures ([Spring 2019](#))
- **Birla Institute of Technology and Science, Pilani** Pilani, India
Undergraduate Teaching Assistant
 - CS F211: Data Structures and Algorithms
 - ECON F412: Securities Analysis and Portfolio Management
 - ECON F212: Fundamentals of Finance and Accounting
 - ECON F211: Principles of Economics

WORK EXPERIENCE

- **Infosys Ltd.** Bangalore, India
Specialist Programmer *July 2017 – May 2018*
 - Developed the telemetry and data analytics module for the company’s internal learning platform
- **Reserve Bank of India** Jaipur, India
Summer Intern, Department of Statistics and Information Management *May 2016 – July 2016*
 - Analyzed the distribution of food consumption expenditure in India and calculated the first order approximation of compensating variation associated with food price inflation for the deciles of the population based on income

AWARDS

- 2018 Duke Economics Master’s Scholar Award
- National Talent Search (NTS) Scholarship, India (2008)

EXTRACURRICULAR ACTIVITIES

- Co-chair, Social Committee, Department of Computer Science, Duke University (Fall 2019)

TECHNICAL SKILLS

R, C/C++, Python, Julia, MATLAB, SQL, Excel, LaTeX, Git