Ajinkya Hemant Kokandakar

Email: ajinkya@stat.wisc.edu | Website | LinkedIn | **Mobile:** +1 (984) 209-8187

EDUCATION

- **University of Wisconsin-Madison, Madison WI** **(June 2020 - Present)**
  Ph.D. Statistics | *GPA: 3.935/4.0*

- **Duke University, Durham NC** **(Aug 2018 – May 2020)**
  M.S. Economics and Computation | *GPA: 3.881/4.0*

- **Birla Institute of Technology and Science, Pilani** **(Aug 2012 – July 2017)**
  B.E. (Hons.) Computer Science and M.Sc. (Hons.) Economics | *CGPA: 9.11/10*

PUBLICATIONS

- Challa, J. S., Goyal, P., Kokandakar, A., Mantri, D., Verma, P., Balasubramaniam, S., & Goyal, N. (2021). **Anytime clustering of data streams while handling noise and concept drift.** Journal of Experimental & Theoretical Artificial Intelligence, 1-31.
  - This publication incorporates work I did at the Advanced Data Analytics and Parallel Technologies Lab, BITS Pilani in 2016. Specifically, I designed and developed a multithreaded and distributed hierarchical anytime stream clustering algorithms

RESEARCH EXPERIENCE

- **UW-Madison, Dept. of Statistics** **(May 2022 – Present)**
  Research Assistant, Advisors: *Dr. Sameer Deshpande and Dr. Keith Levin*
  - Developing Bayesian methods for causal inference for social networks

- **UW-Madison, Dept. of Biostatistics and Medical Informatics** **(June 2020 – Dec 2021)**
  Research Assistant, Advisors: *Dr. Menggang Yu, Dr. Guanhua Chen*
  - Developed a method for estimation of heterogenous treatment effects that is robust to errors drawn from heavy-tailed distributions.

- **Duke University, Department of Economics** **(May 2019 – Feb 2020)**
  Research Assistant, Advisor: *Dr. Matthew Masten*
  - **Sensitivity analysis:** Conducted a literature survey of methods to assess the sensitivity of the treatment effect estimates to violations of the conditional ignorability assumption

- **Duke University, Department of Economics** **(June 2019 – Dec 2019)**
  Research Assistant, Advisor: *Dr. Giuseppe Lopomo*
  - **Procurement Auctions:** Characterized the optimal mechanism for procurement in the presence of bidders with financial externalities
  - **Research Assistance:** Proofread drafts of papers, verifying algebraic proofs using Maple, solving mechanism design problems formulated as linear programs using CPLEX, AMPL and MATLAB, assisting in setting up MTurk experiments

- **Duke University, Department of Economics** **(Jan 2019 – May 2019)**
  Research Assistant, Advisor: *Dr. Arjada Bardhi*
  - Simulated Gaussian processes using the GPML toolkit for MATLAB
  - Simulated Poisson Bandit Problems to calculate discounted occupancy measures for each arm

- **Reserve Bank of India, Jaipur** **(May 2016 – July 2016)**
  Summer Intern, Department of Statistics and Information Management
  - Analysed 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

TEACHING EXPERIENCE

- Graduate Teaching Assistant STAT371: Introduction to Statistics for Life Science Majors, University of Wisconsin – Madison
- Graduate Teaching Assistant for COMPSCI 370: Introduction to AI, Duke University
- Graduate Teaching Assistant for COMPSCI 201: Algorithms and Data Structures, Duke University
- Undergraduate Teaching Assistant: Principles of Economics; Fundamentals of Finance and Accounting; Securities Analysis and Portfolio Management; Data Structures and Algorithms, BITS Pilani

WORK EXPERIENCE

- **Infosys Ltd., Bangalore** **(July 2017 – May 2018)**
  Specialist Programmer
  - Developed the telemetry and data analytics module for the company's internal learning platform

ACADEMIC ACHIEVEMENTS AND AWARDS

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

WORKSHOPS

- Attendee, 2019 Duke-Northwestern Causal Inference Workshop

TECHNICAL SKILLS

- Languages and Software: C, C++, Python, Julia, R, MATLAB, Java, Mathematica, Maple, CPLEX, SQL, Excel, LaTeX, Git, Linux