







RAAZ DWIVEDI

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ACADEMIC APPOINTMENTS & EDUCATION	FODSI Postdoctoral Fellow , Harvard University & Massachusetts Institute of Technology 2021- Advisors: <i>Prof. Susan Murphy & Prof. Devavrat Shah</i> Ph.D., EECS , University of California at Berkeley (GPA 4.0/4.0) 2015-2021 Advisors: <i>Prof. Martin Wainwright & Prof. Bin Yu</i> Thesis: <i>Principled statistical approaches for sampling, and inference in high dimensions</i> B. Tech., EE , Indian Institute of Technology, Bombay (GPA 9.95/10.0) 2010-2014 Advisor: <i>Prof. Vivek Borkar</i>
RESEARCH INTERESTS	Causal inference, sequential decision making, reinforcement learning, and more broadly theoretical, and applied aspects of statistical machine learning
SELECTED ACHIEVEMENTS & AWARDS	Institute of Mathematical Statistics (IMS) New Researcher Travel Award <i>London, 2022</i> Best Presentation Award, LIDS Student Conference, MIT <i>USA, 2022</i> Best Student Paper Award, Sections on Statistical Computing & Graphics ASA <i>USA, 2022</i> Postdoctoral Fellowship, Foundations of Data Science Institute (FODSI) <i>USA, 2021</i> Outstanding Graduate Student Instructor Award, UC Berkeley <i>Berkeley, 2020</i> Berkeley Fellowship, the most prestigious fellowship for incoming Ph.D. students <i>Berkeley, 2015</i> President of India Gold Medal, IIT Bombay, for the highest GPA in the institute <i>India, 2014</i> All India Rank 10 (amongst half a million), IIT Joint Entrance Exam (IIT-JEE) <i>India, 2010</i>
WORK EXPERIENCE	Microsoft Research , Research Intern, New England, USA <i>Summer 2019</i> Mist Systems (Juniper Networks), Data Science Intern, Cupertino, USA <i>Summer 2017</i> WorldQuant Research , Senior Quantitative Researcher, Mumbai, India <i>Jul 2014-Jul 2015</i> Stanford University , Research intern (with Prof. Balaji Prabhakar), USA <i>Summer 2013</i> Ivy Mobility , Data Science Intern, Chennai, India <i>Winter 2012</i>
SELECTED PUBLICATIONS	1. D. et al. “Counterfactual inference in sequential experimental design”, <i>arXiv preprint</i> , 2022 2. D. et al. “Stable discovery of interpretable subgroups via calibration in causal studies”, <i>International Statistical Review (ISR)</i> , 2020 3. Altieri <i>et al.</i> “Curating a COVID-19 data repository and forecasting county-level death counts in the United States”, <i>Harvard Data Science Review (HDSR)</i> , 2020 4. D. et al. “Singularity, misspecification, & the convergence rate of EM”, <i>Annals of Statistics</i> , 2020 5. D. et al. “Log-concave sampling: Metropolis-Hastings algorithms are fast”, <i>Journal of Machine Learning Research (JMLR)</i> , 2019.
SELECTED INVITED TALKS	1. Near-optimal compression in near-linear time, <i>MSRI, Berkeley</i> <i>Mar 2022</i> 2. Counterfactual inference in sequential experimental design, <i>Simons Inst., Berkeley</i> <i>Feb 2022</i> 3. Imputation using nearest neighbors for adaptively collected data, <i>FODSI Retreat</i> <i>Jan 2022</i> 4. Revisiting MDL complexity in overparameterized models, <i>Collab. on Deep Learning</i> <i>Nov 2021</i> 5. Veridical data Science, <i>ASA Annual Symposium (SDSS)</i> <i>Jun 2020</i> 6. Singularity, misspecification, & the convergence rate of EM, <i>AMS Meeting, Riverside</i> <i>Nov 2019</i>
SELECTED TEACHING EXPERIENCE	<ul style="list-style-type: none"> • <i>Sequential Decision Making</i>: STAT 234, Spring 2022, Harvard University • <i>Modern Statistical Prediction, and Machine Learning</i>: STAT 154, Spring 2019, UC Berkeley • <i>Introduction to Machine Learning</i>: EECS 189, Spring 2018, UC Berkeley
SELECTED ACADEMIC SERVICE	<ul style="list-style-type: none"> • <i>Reviewer</i>: Bernoulli, JMLR, IEEE-IT, COLT, ICML, NeurIPS, AISTATs, SODA, FOCS, AAAI • <i>Mentor</i>: Summer Institute on Micro-Randomized Trial Designs (2021), IDSS (Ph.D.) at MIT (2022), BAIR (Ph.D. and UG) at UC Berkeley (2018-20), ISMP (UG) at IIT Bombay (2013-14) • <i>Graduate Admission Committee</i>: EECS MIT (2021), EECS UC Berkeley (2018-2020)