

Rohan Hore

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Education

PhD in Statistics , University of Chicago	9/2020 – present
Advisor: Rina Foygel Barber, Expected graduation: 06/2025	
Masters in Statistics , Indian Statistical Institute, Kolkata	7/2018 – 6/2020
Advisor: Abhik Ghosh, Specialization: Probability	
Bachelors in Statistics , Indian Statistical Institute, Kolkata	7/2015 – 6/2018

Internships and Long Visits

Visiting Scholar at Statistical Laboratory, University of Cambridge	9/2023 - 12/2023
Host: Richard J. Samworth	
Student Research Intern , R.C. Bose Center of Cryptology and Security, Kolkata	5/2017 - 7/2017
Host: Bimal Kumar Roy	
Intern at TCS ION, Kolkata	12/2016 - 1/2017
Project: Performance Analytics for Large Scale Online Assessments	

Ongoing works

- Rohan Hore and Rina Foygel Barber. “Localization at random modulates hardness of model-free inference”.
- Rohan Hore, Jake Soloff, Rina Foygel Barber and Richard J. Samworth “Conditional independence testing under shape constraints”.

Publications and Preprints

- Rohan Hore and Rina Foygel Barber. “Conformal prediction with local weights: randomization enables local guarantees”. [arxiv:2310.07850](https://arxiv.org/abs/2310.07850)[\[stat.ME\]](#).
- Yu Gui, Rohan Hore, Zhimei Ren, and Rina Foygel Barber. “Conformalized survival analysis with adaptive cutoffs”. *Biometrika*, 2023. Arxiv: [arxiv:2211.01227](https://arxiv.org/abs/2211.01227)[\[stat.ME\]](#).
- Rohan Hore and Abhik Ghosh. “Robust and Efficient Parameter Estimation for Discretely Observed Stochastic Processes”. [arxiv:2204.05028](https://arxiv.org/abs/2204.05028)[\[stat.ME\]](#).

Posters and Presentations

- ICML [Distribution free UQ](#) workshop, 2022
- Student Research [Poster Day](#), University of Chicago, 2023

Honors And Awards

- Senior Consultant Recognition award, University of Chicago, 2022 and 2023
- Dean’s list of toppers, ISI Kolkata, 2015-2020
- Second rank holder, Medha Sandhan Exam, Academic Science Culture and Promotion Society, 2011

Teaching experience

As an Instructor at University of Chicago

- Stat 23400 - Statistical Models and Methods. Spring 2023.
- Applied Prelims Coach. Summer 2023, Summer 2024.

As a Teaching Assistant at University of Chicago

- Stat 34700 - Generalized Linear Models. Winter 2024.
- Stat 27850 - Multiple Testing, Modern Inference, and Replicability. Winter 2023.
- Stat 31200 - Introduction to Stochastic Processes I. Autumn 2022.
- Stat 25150 - Introduction to Mathematical Probability-A. Spring 2022.
- Stat 25100 - Introduction to Mathematical Probability. Spring 2021, Autumn 2021.
- Stat 31700 - Introduction to Probability Models. Winter 2021.