

RAHUL RAPHAEL KANEKAR

390, Jane Stanford Way, Stanford, CA 94305
Phone : (+1) 650-788-9376 Email : rkanekar@stanford.edu
Webpage : <https://sites.google.com/view/rahulkanekar>

EDUCATION	Stanford University <i>Statistics, Ph.D.</i>	Stanford, CA
	Advisor: Prof. Sourav Chatterjee	2021 - 2026 (<i>expected</i>)
	Indian Statistical Institute (ISI) <i>Master of Mathematics (M.Math)</i>	Bangalore, India
	Project advisor : Prof. Yogeshwaran Dhandapani	2019 - 2021
	Chennai Mathematical Institute (CMI) <i>B.Sc (Hons.) in Mathematics and Computer Science</i>	Chennai, India
AWARDS AND HONORS	GPA : 8.71/10	2016-2019
	• Teacher's Award, ISI - Awarded to top-3 students every semester	2019
	• Ranked 3rd Nationally - ISI Master's Entrance Exam	2019
	• TIFR Entrance Exam - Accepted to TIFR Mumbai's Integrated PhD program	2019
	• Master's Scholarship - Indian Statistical Institute	2019-2021
RESEARCH	• Bachelor's Scholarship - Chennai Mathematical Institute	2016-2019
	I am broadly interested in mathematical statistics, nonparametric testing and graph based methods. During my PhD, I have worked on statistical and probabilistic aspects of geometric graphs arising from high dimensional data.	
	• Kanekar, R. (2025) Power properties of the two-sample test based on the nearest neighbors graph. (Major revision requested at <i>Annals of Statistics</i>) Preprint : arXiv:2504.10719	
	Apart from my PhD research, I have been a part of some other projects.	
	SMARTer Multi-task Fine-tuning of BERT <i>Stanford University</i>	April 2025
TALKS	Collaborators: Disha Ghandwani, Aditya Ghosh	
	A comparison of sensitivity analyses for NBER birth data <i>Stanford University</i>	June 2025
	Collaborator : Timothy Sudijono	
	Branching Random Walks (BRW) and geometry of graphs <i>Indian Statistical Institute, Bangalore</i>	April 2020 - March 2021
	Supervisor : Prof. Yogeshwaran Dhandapani	
TALKS	Institut für Mathematik, Humboldt University <i>Berlin, Germany</i>	September 2025
	Title: Power properties of two-sample tests based on geometric graphs	
	Conference of the International Indian Statistical Association <i>University of Nebraska, Lincoln</i>	June 2025
	Session: Student paper competition (Probability and Theoretical Statistics)	
	Statistics Department Retreat <i>Stanford University</i>	May 2025
TALKS	Title: Power properties of two-sample tests based on geometric graphs	

TEACHING
EXPERIENCE

As teaching assistant, Stanford University

- Introduction to Stochastic Processes (STATS 217) Summer 2022, 2023
- Statistical Learning and Data Science (STATS 202) Winter 2025
- Introduction to Statistical Inference (STATS 200) Fall 2023
- Introduction to Applied Statistics (STATS 191) Summer 2024
- Probability for Statistical Inference (STATS 118) Fall 2024
- Introduction to Probability Theory (STATS 117) Fall 2022, Spring 2022,2025
- Principles of Data Science (DATASCI 112) Winter 2023, Summer 2025

SKILLS

Technical experience : Statistics, Data Structures and Algorithms, Machine Learning, Data Analysis, Deep Learning, Natural Language Processing.

Programming : Python (Pytorch, Scikit-learn, Pandas, Numpy, CVXPY), R. Familiar with Haskell.

Languages : English, Hindi (Fluent), Marathi (Native).