

RAHUL RAPHAEL KANEKAR

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EDUCATION	Stanford University	Stanford, CA
	<i>Statistics, Ph.D.</i>	2021 - 2026 (<i>expected</i>)
	Advisor: Prof. Sourav Chatterjee	
	Indian Statistical Institute (ISI)	Bangalore, India
	<i>Master of Mathematics (M.Math)</i>	2019 - 2021
	Project advisor : Prof. Yogeshwaran Dhandapani	
	Chennai Mathematical Institute (CMI)	Chennai, India
	<i>B.Sc (Hons.) in Mathematics and Computer Science</i>	2016-2019
	GPA : 8.71/10	
AWARDS AND HONORS	• 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
	• Bachelor's Scholarship - Chennai Mathematical Institute	2016-2019
RESEARCH	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.	
	• Kaneekar, 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
	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
	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).	