

TAMOJIT SADHUKHAN

CURRICULUM VITAE

Website - <https://tamojit.owlstown.net>

EMPLOYMENT

Research Scholar

2021 - present

Theoretical Statistics and Mathematics Unit
Indian Statistical Institute, Kolkata
203, B. T. Road, Kolkata 700108

EDUCATION

Master of Statistics (Specialization: Theoretical Statistics)

2019 - 2021

Indian Statistical Institute, Kolkata
Dissertation Advisor: **Professor Ayanendranath Basu**

Bachelor of Statistics (Honours)

2016 - 2019

Indian Statistical Institute, Kolkata

AREAS OF STUDY AND RESEARCH

Probability : Heavy-tailed and Extreme Value Distributions, Interacting Particle Systems.

Statistics : Statistical Analysis of Networks, Change-point Detection.

Machine Learning : Statistical and Theoretical aspects of Neural Networks.

PREPRINTS OR SUBMITTED PAPERS

A Dynamic Mean-field Statistical Model of Academic Collaboration. With Dr. Shirshendu Chatterjee and Dr. Soumendu Sundar Mukherjee.

INVITED TALKS

Title: Offline Change-point Detection in Networks

August'21

P.C.M. Gold Medal Presentation, Indian Statistical Institute, Kolkata

Title: Change-point Detection: A Review

December'19

D. Basu Memorial Gold Medal Presentation, Indian Statistical Institute, Kolkata

CONFERENCES ATTENDED

Lectures in Probability and Stochastic Processes XV

December'22

Indian Institute of Science, Bangalore

A Conference on Probability and Stochastic Processes

March'22

Indian Statistical Institute, Delhi

Young Statisticians' Meet : Data Science in action

January'20

Indian Statistical Institute, Kolkata

SHORT-TERM VISITS AND INTERNSHIPS

Department of Mathematics, National University of Singapore

July-August'22

Visitor of Dr. Subhroshekhar Ghosh

Bio-inspired Communication Systems Lab, TU Darmstadt

July-November'20

Project Title: On the Optimization of Information Rate of the Poisson Channel

Supervisor: Dr. Heinz Koepl

National Institute of Biomedical Genomics

May-July'18

Project Title: Selection of Regression Models using Genetic Algorithms

Supervisor: Professor Partha P. Majumder

TEACHING EXPERIENCE

Introduction to Stochastic Processes, B.Stat. 2nd Year, ISI Kolkata

Spring 2023

Role: Teaching Assistant (TA)

Instructor: Dr. Krishanu Maulik

Percolation Theory, M.Stat. 2nd Year, ISI Kolkata

Fall 2022

Role: Teaching Assistant (TA)

Instructor: Dr. Rahul Roy

ACADEMIC ACHIEVEMENTS

- Awarded **P.C.M. Gold Medal** as the most outstanding student in M.Stat..
- Got invited to deliver a talk at the **P.C.M. Gold Medal Presentation** based on the academic performance in M.Stat..
- Got invited to deliver a talk at the **D. Basu Memorial Gold Medal Presentation**, an opportunity obtained through securing **3rd Rank** in B.Stat..
- Received **Award for Academic Excellence** in four (out of six) semesters in B.Stat..
- Received **Summer Research Fellowship** from **India's Science Academies (IASc, INSA & NASI)** in 2018.

TECHNICAL SKILLS

Programming Language	C, C++, R
Software & Tools	Office, L ^A T _E X

EXTRA - CURRICULAR ACTIVITIES

Enjoy watching movies, sports and reading books on various topics.

Organised "Prahelika", the quiz competition in "Integration 2019", the annual Techno-cultural fest of Indian Statistical Institute, Kolkata.

Actively participated in organizing MTRP, a mathematics program for high school students organised by the students of Indian Statistical Institute, Kolkata from 2017 to 2019.