

George Kanchaveli

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EDUCATION

Bocconi University

PhD in Statistics

Milan, Italy

Sep 2022 - Present

Supervisors: Hugo Lavenant (Bocconi University) and Marta Catalano (Luiss University)

Project: Two-sample test for laws of random probabilities via exchangeability and optimal transport

We propose a new two-sample testing procedure for comparing distributions over random probability measures, leveraging optimal transport and empirical process theory to develop a distance-based method with strong theoretical guarantees.

Università degli Studi di Torino

110/110 cum laude and special mention

MSc in Stochastics and Data Science

Turin, Italy

Sep 2020 - Oct 2022

Thesis title: Bayesian community detection in Stochastic Block Models: comparison of marginal samplers

Stochastic Block Models are used to model the community detection problem, which has many applications in social networks, engineering, physics, and biology. I analysed approaches from Bayesian Nonparametric and Parametric methods, both theoretically and in simulations.

Supervisor: Pierpaolo De Blasi

Collegio Carlo Alberto

Graduated with distinction

Master in Statistics and Applied Mathematics

Turin, Italy

Sep 2020 - Oct 2022

Bocconi University

BS in Economics, Management, and Computer Science

Thesis: Analysis of algorithms for finding graph cuts of minimal edge expansion

Milan, Italy

Sep 2017 - July 2020

Finding such graph cuts has applications in clustering problems. I analyzed Fiedler's algorithm and Simulated annealing for this problem and compared their performances on different types of graphs.

Supervisor: Luca Trevisan

Conferences, Workshops, Summer schools

- Presented poster - BNP-ISBA 14, Los Angeles, 2025
- Attended - Early Career Workshop on Nonparametric Statistics, Rome, 2024
- Attended - Workshop: Optimal Transportation and Applications, Pisa, 2024
- Attended - ISBA, Venice, 2024
- Attended - StatML summer school in Causality, Reinforcement Learning, and Statistical Learning, 2023

INTERNSHIPS

Maxin AI

Machine learning internship

Tbilisi, Georgia

Jun 2019 – Aug 2019

I studied and implemented convolutional neural networks (CNNs) using PyTorch, contributing to a project focused on identifying signs of diabetic retinopathy in eye images.

SKILLS & INTERESTS

Technical: Python (Pandas, Sklearn, PyTorch), Julia, R.

Quantitative: Probability and Statistics, Machine Learning, Algorithms, Mathematics,

Languages: English (Highly proficient), Italian (Good working knowledge), Georgian (Native),