

JULIEN CHHOR

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Experience

Research

Harvard University

Postdoctoral Fellow. Advised by Rajarshi Mukherjee and Subhabrata Sen

Sep. 2022 – Current

Palaiseau, France

CREST/ENSAE: PhD in Mathematical Statistics

Advised by Alexandre Tsybakov

Sep. 2019 – Aug. 2022

Palaiseau, France

OvGU Magdeburg

Research intern in Mathematical Statistics. Advised by Alexandra Carpentier

Apr. 2019 – Aug. 2019

Magdeburg, Germany

Michigan State University

Research intern in Bayesian Statistics. Advised by Frederi Viens

Apr. 2018 – Aug. 2018

Michigan, USA

Teaching

ENSAE Paris

Teaching assistant: Measure Theory, Advanced Statistics, Nonparametric Statistics, Optimization, Online Learning and Aggregation, Machine Learning.

Ranked among the top 1% of ENSAE teachers (lecturers and professors) regarding pedagogical quality

Sep. 2019 – May 2022

Palaiseau, France

ENSAE Paris

Examiner in Mathematics for the oral entrance exams

Member of the recruiting committee for fourth-year students from Ecole polytechnique to join ENSAE.

May 2021 and 2022

Palaiseau, France

Miscellaneous

Société Générale

Intern in credit risk modelling

Jun. 2017 – Aug. 2017

La Défense, France

Education

MVA (Mathematics, Vision and Learning)

Research-oriented master in Computer Vision and Machine Learning. Diploma awarded with highest honors

Sep. 2018 – Aug. 2019

ENS Cachan, France

ENSAE Paris

Spec. Statistics and Machine Learning

Sep. 2018 – Aug. 2019

Palaiseau, France

Ecole polytechnique

Mathematics, Physics, Computer Science, Spec. Applied Mathematics

Sep. 2015 – Aug. 2019

Palaiseau, France

Lycée Louis-le-Grand

Two-year intensive program in Mathematics and Physics, preparing for the entrance exams to the French Grandes Ecoles for scientific studies

Sep. 2013 – Jul. 2015

Paris, France

Publications

Sharp local minimax rates for goodness-of-fit testing in multivariate binomial and Poisson families and in multinomials

Julien Chhor, Alexandra Carpentier (2022) *Mathematical Statistics and Learning*.

Robust Estimation of Discrete Distributions under Local Differential Privacy

Julien Chhor, Flore Sentenac Accepted to conference on Algorithmic Learning Theory 2023.
arXiv:2202.06825

Preprints

Sparse Signal Detection in Heteroscedastic Gaussian Sequence Models: Sharp Minimax Rates

Julien Chhor, Rajarshi Mukherjee, Subhabrata Sen (2022) arXiv:2211.08580

Benign overfitting and adaptive nonparametric regression

Julien Chhor, Suzanne Sigalla, Alexandre Tsybakov (2022) arXiv:2206.13347

Goodness-of-Fit Testing for Hölder-Continuous Densities: Sharp Local Minimax Rates

Julien Chhor, Alexandra Carpentier (2021) arXiv:2109.04346

Invited talks

Robust Estimation of Discrete Distributions under Local Differential Privacy

Stat 300 Seminar, Harvard University, USA, March 2023

Benign overfitting and adaptive nonparametric regression

Meeting in Mathematical Statistics, CIRM Luminy, France, December 2022

Benign overfitting and adaptive nonparametric regression

Potsdam Statistics Seminar, November 2022

Benign overfitting and adaptive nonparametric regression

Harvard University, October 2022

Robust Estimation of Discrete Distributions under Local Differential Privacy

University of Potsdam, Germany, Mai 2022

Goodness-of-fit testing for multinomials and densities: sharp local minimax rates

Meeting in Mathematical Statistics (Dec. 2020), CIRM Luminy, France

Minimax Testing in Random Graphs

Statistics-Econometrics-Machine Learning Seminar (2019) CREST/ENSAE, France

Professional Service

Reviewer for Test (2019)

Reviewer for the Annals of Statistics (2023)

Reviewer for Bernoulli (2023)

Awards

Leibnitz student, Oberwolfach Mathematical Institute.