

Camille Mondon



PhD Student in Statistics · Toulouse School of Economics

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PUBLICATIONS

Testing mean densities with an application to climate change in Vietnam June 2026

Camille Mondon, Huong Thi Trinh, Josep Antoni Martín-Fernández, Christine Thomas-Agnan

Stochastic Environmental Research and Risk Assessment

doi:10.1007/s00477-026-03269-0

ICS for complex data with application to outlier detection for density data January 2026

Camille Mondon, Huong Thi Trinh, Anne Ruiz-Gazen, Christine Thomas-Agnan

Journal of Multivariate Analysis

doi:10.1016/j.jmva.2025.105522

Detecting Outliers in Compositional Data Using Invariant Coordinate Selection 2023

Anne Ruiz-Gazen, Christine Thomas-Agnan, Thibault Laurent, **Camille Mondon**

Robust and Multivariate Statistical Methods: Festschrift in Honor of David E. Tyler

doi:10.1007/978-3-031-22687-8_10

TEACHING

High-dimensional data analysis and machine learning 2023–2026

First year Master Econometrics, Statistics

Toulouse School of Economics, Toulouse, 31

Mathematics oral examinations 2024–2026

Junior year Economics and Mathematics

Toulouse School of Economics, Toulouse, 31

Statistical consulting 2023–2024

Second year Master Econometrics, Statistics

Toulouse School of Economics, Toulouse, 31

Coding/Robotics and Cybersecurity Instructor Summer 2022

Summer camp

Lyceum Alpinum Zuoz, Switzerland

TALKS

| | |
|---|---------|
| ICS and the discriminant subspace using the fourth-order covariance operator | 2026-06 |
| Doctoral Workshop on *Decision Mathematics and Statistics* | |
| Toulouse School of Economics, Toulouse, 31 | |
| ICS and the discriminant subspace using the fourth-order covariance operator | 2026-05 |
| Workshop on Invariant Coordinate Selection and Related Methods | |
| University of Helsinki, Finland | |
| Coordinate-free ICS for distributional and functional data | 2025-06 |
| Doctoral Workshop on *Decision Mathematics and Statistics* | |
| Toulouse School of Economics, Toulouse, 31 | |
| Coordinate-free ICS for distributional and functional data | 2025-05 |
| Workshop on Invariant Coordinate Selection and Related Methods | |
| University of Helsinki, Finland | |
| Invariant Coordinate Selection for Distributional Data | 2024-06 |
| CoDaWork2024 | |
| Universitat de Girona, Spain | |
| Dimension Reduction on Distributional Data | 2024-05 |
| 55 ^e Journées de Statistique | |
| Université de Bordeaux, France | |
| Introduction to Functional Data Analysis | 2024-04 |
| [Vietnam Institute for Advanced Studies in Mathematics](https://viasm.edu.vn/) | |
| VIASM, Hà Nội, Việt Nam | |
| Clevis & Tang on NixOS | 2024-02 |
| FOSDEM 2024 | |
| Université libre de Bruxelles, Belgium | |

EDUCATION

| | |
|---|-----------|
| PhD in Statistics | 2023–2026 |
| Statistical Analysis of Distributional Data, supervised by Anne Ruiz-Gazen and Christine Thomas-Agnan | |
| Toulouse School of Economics, Toulouse, 31 | |
| Diploma from ENS in Pure Mathematics | 2019–2024 |
| Galois Theory / Dynamical Systems / Statistics / Statistical Machine Learning / Transport Equations | |
| École normale supérieure, Paris, 75 | |
| Master 2 in Random Mathematics (StatML) | 2022–2023 |
| Statistical Learning & Resampling / Concentration of Measure / Model Selection / High-Dimensional Probability & Statistics / Nonparametric Estimation / Random Matrices / Advanced Statistics | |
| Université Paris-Saclay, Orsay, 91 | |
| Minor in Economics for the Diploma from ENS | 2020–2021 |
| Econometry / Theories of Economic Growth / Economics & Public Policy / International Monetary | |

Economics

École normale supérieure, Paris, 75

Bachelor (Licence) in Pure Mathematics

2019–2020

Algebra / Topology, Analysis, Differential Calculus / Probability & Measure / Complex Analysis

École normale supérieure, Paris, 75

Preparatory Course for Grandes Écoles (MPSI/MP*)

2016–2019

Lycée Louis-le-Grand, Paris, 75

General Baccalaureate (Science)

2016

Lycée Paul Sabatier, Carcassonne, 11