

GASPARD TISSANDIER

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EDUCATION

- Sept - Dec 2022 Visiting , Columbia University, New York City
I am visiting at Columbia University under the supervision of the Pr. O'Flaherty to work on criminality and the NYPD predictive policing algorithm
I am the recipient of the Doctoral mobility grant from the Alliance program
Courses : Machine Learning (CS Department), Issues in Political Theory (Political Science Department)
- 2019 - Current PhD Candidate at Université Paris 1 - Panthéon Sorbonne, Paris
Application of predictive algorithms to public policy - Supervised by Pr. Kopp
Research : My first paper is an estimation of the heterogenous effect of dropout on former students' labor market outcomes, by using Random Forest methods. My second paper is an econometric evaluation of a french predictive policing system currently in use (PAVED), and study the efficiency and the fairness of this algorithm. My last paper addresses the problem of a constrained social planner having to choose between an algorithm and a human expert to execute classification and study the dynamic of resource allocation between these systems
Courses : Machine Learning theory, Optimization and Statistics for statistical learning, Machine Learning for Economics, Economics of Education, Microeconomic fairness
- 2018 - 2019 Master 2 in Public Policy - With honors, Université Paris 1 - Panthéon Sorbonne, Paris
Thesis: Bias and Discrimination in Public Algorithms : a predictive policing case
Courses : Economics of Crime, Law & Econ, Applied Econometrics, Regulation, Labor Economics
PhD Track : Optimal taxation, Advanced econometrics, Behavioral economics
- 2017 - 2018 Master 1 in Applied Economics - With honors, Université Paris 1 - Panthéon Sorbonne, Paris
Courses : Public Economics, Political Economics, Econometrics, Industrial Organization
- 2016 - 2017 Licence 3 (Undergraduate) in Economics, Toulouse School of Economics, Toulouse
Courses : Macroeconomics, Microeconomics, Mathematics & Optimization
- 2014 - 2016 Licence 1 & 2 (Undergraduate) in Economics, Université de Nantes, Nantes

CONFERENCE AND OTHER EXPERIENCE

- 2022 Summer Institute in Computational Social Sciences (Oxford University), 38e Journée de la Microéconomie Appliquée (Université de Rennes 1), 12th International Workshop on Applied Economics of Education (Magna Graecia University), 11th ifo Dresden Workshop on Labor Economics and Social Policy (ifo Dresden), 14th Workshop on Labour Economics (IAAEU, Trier University), 17th Doctorissimes (PSE ENS, Université Paris 1), Public Policy Seminar (intern seminar)
- 2021 13th interdisciplinary Ph.D. workshop "Perspectives on (Un-)Employment" (Institute for Employment Research -IAB), Journée du Programme Politiques Publiques (Université Paris 1), CES PhD Seminar (intern seminar)

EXPERIENCE

Current	Teaching Assistant at Université Paris 1 - Panthéon Sorbonne, Paris
September 2018	Public Economics (Master), Microeconomics, Econometrics, Mathematics (Undergraduate)
May-July 2019	Research Assistant at EDHEC Business School, Paris Under the supervision of P. Courtioux and TP. Maury, we worked on an imputation and bootstrapping method to compute segregation indexes in secondary education in France, based on family earnings.
April-May 2017	Internship at Observatoire Français des Conjoncture Économique - OFCE, Paris I developed an complementary package to the INES microsimulation model and co-writed an small report on the reform of the french households capital taxation.

LANGUAGES

English: Fluent
 French : Mothertongue
 German : Basic Knowledge

ANNEX ACTIVITES

I co-founded the CES Ph.D Seminar and actually run it with colleagues. I am an active member of a student review (Regards Croisés sur l'Économie) and run the ALUMNI of my past master with 2 others alumnis since 3 years.

SKILLS

R, Python, SAS, STATA, \LaTeX ,
 PHP/SQL (base), HTML/CSS (base)
 Ubuntu/Debian system - Power user

INTEREST

Fairness & Equity in prediction
 Open source software and knowledge
 Advances in utilitarianism and challenging theories
 Complementarity of machine learning and human expertise