

Gaspard TISSANDIER

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EDUCATION

- Sept - Dec 2022 Visiting , **Columbia University**, New York City
I will visit Columbia under the supervision of the Pr. O'Flaherty to work on criminality and predictive policing issue
I will be part of the Alliance program
- 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 covers the accuracy-fairness trade-off in prediction from a social welfare perspective
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

- 2022** 38E JOURNÉE DE LA MICROÉCONOMIE APPLIQUÉE (Université de Rennes 1), 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

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| <i>Current</i> | Teaching Assistant at UNIVERSITÉ PARIS 1 - PANTHÉON SORBONNE, Paris |
| SEPTEMBER 2018 | <i>Public Economics (Master), Microeconomics, Econometrics, Mathematics (Undergraduate)</i> |
| 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 : Mother tongue
GERMAN : Basic Knowledge

SKILLS

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

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.

INTEREST

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