BERTILLE PICARD

Assistant Professor

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RESEARCH FIELDS

- · Machine Learning for Causal Inference
- · Inequalities
- · Labor Economics
- · Experimental Economics

CURRENT POSITION

Assistant Professor (tenure track)   2024 -
ENSAI - *École Nationale de la Statistique et de l'Analyse de l'Information, Bruz (France)*
CREST - *Centre de recherche en économie et statistique*

EDUCATION

Ph.D. candidate   2019 - 2023
Aix-Marseille School of Economics - AMSE

Advisor: Professor Emmanuel Flachaire

Engineer, ENSAE   2017 - 2019
Ecole Nationale de la Statistique et de l'Administration économique

Data Science track in statistics and machine learning

Normalien Student, ENS PARIS-SACLAY   2014 - 2017
Ecole Normale Supérieure de Paris-Saclay

· M.S. Economics, Université Paris-Saclay   2015 - 2017
· B.A. in Economics and B.A. in Sociology, Université Panthéon-Sorbonne   2014 - 2015

RESEARCH VISITS

Université du Québec à Montréal, UQAM (Montréal, Canada)   May 2022 - June 2022
Invited by Arthur Charpentier

J-PAL (Boston, MA - USA)   June 2019 - mid-July 2019
Internship
Invited by Bruno Crépon and Lisa Corsetto

ACADEMIC RESPONSIBILITIES

Seminar organization   Since 2019
Empirical & Econometric Methods Sessions

Co-organizer of an AMSE methodological seminar for Ph.D. candidates

AMSE Ph.D. students' representative   2020-2022

TEACHING EXPERIENCE

Current Teaching:

Lecturer 2024 -
Ensai

Econometric Analysis of Panel Data (3rd Year, Engineering Program)
Econometric Analysis of Panel Data (Executive Master's Program)
Decision Making and Artificial Intelligence

Past Courses Portfolio:

Lecturer 2022 - 2024
Aix-Marseille University (ATER position)

Probability

Teaching Assistant 2019 - 2024
Aix-Marseille University (CME and ATER positions)

Introductory Econometrics
Econometrics of Qualitative Variables
Probability
Mathematics
Industrial Organization

Tutor in Mathematics 2018 - 2019
Lycée Lakanal (Sceaux, France), preparatory classes in social sciences

Oral examiner for students passing competitive entrance exams

PAPER

Can a Digital Job Search Coach Reduce Unemployment? Experimental Evidence from France, Conditionally accepted at the *Journal of Labor Economics*
joint with Aïcha Ben Dhia, Bruno Crépon, Esther Mbih, Louise Paul-Delvaux, and Vincent Pons

WORK IN PROGRESS

Decomposing Inequalities using Machine Learning and Overcoming Common Support Issues, working paper available on [arXiv](#)
joint with Emmanuel Flachaire

An Adaptive Experiment to Boost Online Skill Signaling and Visibility
joint with Morgane Hoffmann, Charly Marie and Guillaum Bied

Does Personalized Allocation Make Our Experimental Designs More Fair?

CONFERENCES AND SEMINARS

Big data and econometrics seminar, AMSE, Marseille, France (2025); **TEPP Conference**, Institut Agro, Rennes, France (2025); **Aarhus Workshop in Econometrics VII**, Aarhus University, Denmark (2025); **Behavioral and Experimental Economics seminar**, CEE-M, Montpellier, France (2025); **CREST-IFAU Workshop**, Crest Palaiseau, France (2025); **Philosophy of Science meets Machine Learning**, Cluster of Excellence "Machine Learning: New Perspectives for Science" at the

University of Tübingen, Germany (2024); **Counterfactual Methods For Policy Impact Evaluation (COMPIE)** Vrije Universiteit, Amsterdam, the Netherlands (2024); **CEE-M Ph.D. Lunch Talk**, Center for Environmental Economics, Montpellier (2024); **ADRES Job Market Conference**, ENS Paris-Saclay (2024); **Workshop on Bandits and Statistical Tests**, Poster presentation, Potsdam, Germany (2023), **EDGE Jamboree**, *European Doctoral Group in Economics* (2023), **10th ECINEQ meeting**, ECINEQ-AMSE (2023), **Machine Learning in Program Evaluation, High-dimensionality and Visualization Techniques**, *LISER* (2023); **ASFEE**, *13th Conference of the French Experimental Economics Association* (2023); **Paris Young Economists Seminar on Digital Economics**, *Telecom* (2023); **Seminar at UQAM** (2022); **CEA Conference**, *Canadian Economics Association* (2022); **Congrès annuel SCSE**, *Société canadienne de science économique* (2022); **Ph.D. Seminars**, *AMSE* (2023, 2022, 2021 and 2020); **Methodological Seminars** - EEMS, *AMSE* (2023, 2022, 2020 and 2019)

PROGRAMMING AND SOFTWARE PROFICIENCIES

· Advanced: R, Python, Stata, LaTeX, Quarto

· Novice: SAS, JavaScript, HTML, CSS

LANGUAGES

French (native), English (fluent), German (intermediate)