

# BERTILLE PICARD

<https://bertillepicard.github.io>

bertille.picard@univ-amu.fr

## RESEARCH FIELDS

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

## EDUCATION

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**Ph.D. candidate** Since 2019

*Aix-Marseille School of Economics - AMSE*

Advisor: Professor Emmanuel Flachaire

Expected completion: December 2023

**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

## REFERENCES

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**Emmanuel Flachaire**

Aix-Marseille School of Economics  
emmanuel.flachaire@univ-amu.fr

**Vincent Pons**

Harvard Business School  
vpons@hbs.edu

**Anna Simoni**

CNRS - CREST  
anna.simoni@ensae.fr

## RESEARCH VISITS

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**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

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**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

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**Lecturer** Since 2022

*Aix-Marseille University (ATER position)*

Probability

**Teaching Assistant** Since 2019

*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

## JOB MARKET PAPER

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**Does Personalized Allocation Make Our Experimental Designs More Fair?**

## WORKING PAPER

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**Can a Website Bring Unemployment Down? Experimental Evidence from France**

*joint with Aïcha Ben Dhia, Bruno Crépon, Esther Mbih, Louise Paul-Delvaux, and Vincent Pons*

## WORK IN PROGRESS

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**Decomposing Inequalities with Machine Learning: Should we Change the Reference Outcome?**

*joint with Emmanuel Flachaire*

**An Adaptive Experiment to Boost Online Skill Signaling and Visibility**

*joint with Morgane Hoffmann, Charly Marie and Guillaum Bied*

## CONFERENCES AND SEMINARS

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**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

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- Advanced: R, Python, Stata, L<sup>A</sup>T<sub>E</sub>X, Quarto
- Novice: SAS, JavaScript, HTML, CSS

## LANGUAGES

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