VINCENT BAGILET

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Placement Assistant: Tomara Aldrich, tsa2110@columbia.edu, +1(212)-854-9785

EDUCATION

PhD in Sustainable Development 2024 (expected)
Columbia University

Master in Quantitative Economics (PPD) 2018
Paris School of Economics (PSE)

Master in Environmental Economics 2017
AgroParisTech - Paris-Saclay University

Master in Engineering, specialization in Energy 2017
Ecole Centrale Lyon, last year at Ecole Centrale Paris

B.A in Economics and Management 2015
Université Lumière Lyon 2

RESEARCH FIELDS

Environmental Economics, Applied Microeconomics

REFERENCES

Jeffrey Shrader
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Sylvain Chabé-Ferret
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JOB MARKET PAPER

Causal Exaggeration: Unconfounded but Inflated Causal Estimates [*Project website*, *Download*]

ABSTRACT: The credibility revolution in economics has made causal inference methods ubiquitous. Simultaneously, an increasing amount of evidence highlights that the literature strongly favors statistically significant results. I show that these two phenomena interact in a way that can substantially worsen the reliability of published estimates: while causal identification strategies alleviate bias caused by confounders, they reduce statistical power and can create another type of bias—exaggeration— when combined with selection on significance. This is consequential in fields such as environmental economics, as estimates turn into decision-making parameters for policy makers conducting cost-benefit analyses. I characterize this confounding-exaggeration trade-off theoretically and using realistic Monte Carlo simulations replicating prevailing identification strategies and document it in an example literature. I then discuss potential avenues to address this issue.

Other Working Papers

Accurate Estimation of Small Effects: Air Pollution and Health [*Project website*, *Download*]

Abstract: This paper identifies tangible design parameters that might lead to inaccurate estimates of relatively small effects, the short-term health effects of air pollution. Low statistical power not only makes relatively small effect difficult to detect but resulting published estimates also exaggerate true effect sizes. We first document the existence of this issue in the epidemiology and economics literature of interest. Then, we identify its drivers using real data simulations that replicate most prevailing inference methods. Finally, we argue relevance to many other literatures and propose a principled workflow to evaluate and avoid exaggeration when conducting a non-experimental study.

Work in progress

The Environment in the Public Sphere: Structural vs Individual Discourses

Peer Effects in Pro-Environmental Behaviours , *joint with Marion Leroutier, Théo Konc*

Burden and Acceptability of the French Carbon and Gasoline Taxes

Research Experience

Visiting PhD student May – July 2023
Sciences Po, Economics Department, with *Emeric Henry*

Visiting PhD student June – August 2022
Toulouse School of Economics (TSE), with *Sylvain Chabé-Ferret*

Visiting PhD student June – July 2019
University of Oxford, INET, with *Linus Mattauch*

Research Intern in Environmental Economics April – Sept 2017
CIRED

Research Intern in Geopolitics of Resources April – June 2016
ENS Lyon, Michel Serres Institute

Research Intern in Development Economics January - April 2016
GATE Lyon

Research Intern in Political Economy May - Aug 2015
South African Institute of International Affairs

Teaching Experience

Teaching assistant at Columbia University

Environmental Science for Sustainable Development (PhD) Fall 2021, 2022, 2023
Microeconomics and Policy Analysis II (Grad) Spring 2022
Challenges of Sustainable Development (Undergrad) Spring 2021
Macroeconometrics (Grad) Spring 2020
Microeconomics and Policy Analysis I (Grad) Fall 2019, 2020
Tutor: Microeconometrics, Macroeconometrics (Grad) Fall 2019, Spring 2022

Fellowships and Grants

SIPA Dean's Fellowship, Columbia University 2018-2024

Academic presentations

2023: *TSE Environmental Economics Workshop*

2022: *EuHEA Conference*, TSE Environmental Economics Workshop*

2021: *Interdisciplinary Ph.D. Workshop in Sustainable Development, FAERE annual conference**

* = co-author

Service

Referee: *Economics of Transition and Institutional Change*

Core-organizer: *Interdisciplinary PhD Workshop on Sustainable Development (2021)*

Co-organizer: *Alliance Summer School in Sustainable Development (2019)*

Other information

Languages: French (*native*), English (*fluent*), Spanish (*conversational*)

Software skills: R , LaTeX , Git , Matlab , Stata , Photoshop

Citizenship: French