

# VINCENT BAGILET

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vincentbagilet.github.io

## Current Position

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**Postdoctoral Fellow in Economics**

2024-Present

Ecole Normale Supérieure Lyon (ENS Lyon, CERGIC)

## Education

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**PhD in Sustainable Development**

2024

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

## Research Fields

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Environmental Economics, Applied Microeconomics

## Working Papers

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**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 as estimates are routinely turned 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 its prevalence in the literature. I then discuss potential avenues to address this issue.

**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

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**The Environment in the Public Sphere: Structural vs Individual Discourses**

**Design Beyond Identification**, joint with Andrew Gelman, Claire Palandri, and Yuling Yao

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

**Burden and Acceptability of the French Carbon and Gasoline Taxes**

## Research Experience

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<b>Visiting PhD student</b> Sciences Po, Economics Department, with <i>Emeric Henry</i>	May – July 2023
<b>Visiting PhD student</b> Toulouse School of Economics (TSE), with <i>Sylvain Chabé-Ferret</i>	June – August 2022
<b>Visiting PhD student</b> University of Oxford, INET, with <i>Linus Mattauch</i>	June – July 2019
<b>Research Intern in Environmental Economics</b> CIRED	April – Sept 2017
<b>Research Intern in Geopolitics of Resources</b> ENS Lyon, Michel Serres Institute	April – June 2016
<b>Research Intern in Development Economics</b> GATE Lyon	January - April 2016
<b>Research Intern in Political Economy</b> South African Institute of International Affairs	May - Aug 2015

## Teaching Experience

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Current Teaching at ENS Lyon

<b>Econometrics 1 (Grad)</b>	Fall 2024
<b>Topics in Econometrics (Grad)</b>	Fall 2024
<b>Machine Learning and data analysis (Grad)</b>	Fall 2024
<b>Environmental Economics (Undergrad)</b>	Spring 2025

Teaching Assistant at Columbia University

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

## Fellowships and Grants

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<b>SIPA Dean's Fellowship, Columbia University</b>	2018-2024
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## Academic presentations

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**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

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**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

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

**Software skills:** R ,  $\text{\LaTeX}$  , Git , Matlab , Stata

**Citizenship:** French