ANTHONY ROCHER

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Current Position

Master in Advanced Economics 2024-Present
Ecole Normale Supérieure Lyon (ENS Lyon)

Education

Pre-master in Economics 2023-2024
Ecole Normale Supérieure Lyon (ENS Lyon) *Lyon*

Preparatory Class in Social Sciences 2019-2023
Lycées Blaise Pascal, Jacques Amyot, Michel Montaigne *Clermont-Ferrand, Melun, Bordeaux*

Research Interests

Urban Economics, Economic Geography, Environmental Economics

Master's Thesis in Progress

Seismic Hazard Mapping In Japan: effects on land and real estate prices
Supervised by Sophie Buhnik (ESPI) & Florence Goffette-Nagot (CERGIC, CNRS)

Abstract: What is the cost of being exposed to natural disasters? Focusing on earthquakes in Japan, my master's thesis investigates the effects of risk mapping on land and real estate prices. Seismic mapping has evolved continuously since the 2000s, and new faults have been discovered. Using an event-study design, I aim to investigate the magnitude to which such changes in maps have impacted exposed areas. I thus contribute more generally to the literature on housing risk exposure and its economic consequences, which may also apply to climatic risk.

Research Experience

Visiting student Forthcoming: March – July 2026
Kōbe University, RIEB, with *Astushi Koike* *Kōbe, JP*

Research Intern in Information Economics April – July 2025
CERGIC, with *Elisa Mougin* and *Camille Urvoy*

Senior Thesis September – July 2024
ENS Lyon, supervised by *Sophie Hatte*, grade: A+

Selected Projects

Machine Learning Project
Final project under *Louise Inguere* & *Vincent Bagilet*

Abstract: Can we predict the risk of developing a tumor based on an individual's symptoms? We aim to design a simple artificial intelligence system that determines whether a patient should be concerned given their observed symptoms. Using Python and basic machine learning tools, we will train a supervised classification model on a disease–symptom dataset.

Senior Thesis

Abstract: This paper addresses the problem of persistent food waste in school canteens. We design a scalable test–control study to apply a nudge aimed at reducing food waste in school settings. First, we develop a protocol for a pilot study. Then, we propose an extended protocol for a large-scale experiment. Our main contribution to the research field is the introduction

of an interactive nudge. It takes the form of a revised version of the "Climate Fresk," involving researchers, school canteen staff, teachers, and children aged 11 to 15. We expect this intervention to significantly reduce food waste over the five-week experimental period.

Teaching Experience

Examiner at Lycée du Parc — 2025-Present

Tutor: Statistics, Econometrics (Undergrad) — Winter 2025, Winter 2026

Tutor: Macroeconomics (Undergrad) — Fall 2024

Other Information

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

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

Citizenship: French

Part-time jobs held: dorm monitor, librarian, cook, shelver, mentor