

# ANTHONY ROCHER

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📍 Lyon, FR

## Current Position

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**Master in Advanced Economics**

2024-Present

Ecole Normale Supérieure Lyon (ENS Lyon)

## Education

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**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

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Urban Economics, Real Estates Economics, Environmental Economics, Public Economics

## Master's Thesis

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**Seismic Hazard Mapping In Japan: effects on land and real estate prices**

**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. My hypothesis is that this has had a negative effect on land and houses exposed to these risks, reducing their value while controlling for other factors. I contribute to the literature on climate risk exposure and its economic consequences.

## Research Experience

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**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

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**Machine Learning Project**

**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

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Examiner at Lycée du Parc	2025-Present
Tutor: Statistics, Econometrics (Undergrad)	Winter 2025, Winter 2026
Tutor: Macroeconomics (Undergrad)	Fall 2024

## Other Information

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

**Software skills:** R , Stata , Python , ℒ<sub>A</sub>T<sub>E</sub>X , Git , Matlab

**Citizenship:** French

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