

Marie Aurélie Lapierre

PhD student in Economics

GATE-LSE & Université Lumière Lyon 2

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Research interests

Urban economics, Labor economics, Peer effects and Neighborhood effects, Housing market, Microeconometrics

Education

- Oct. 2020 – **PhD in Economics**, *GATE-LSE (Groupe d'Analyse et de Théorie Economique Lyon Saint-Etienne) and Université Lumière Lyon 2, France*
Present
- 2017–2020 **Master degree in Economic Analysis and Policy**, *Economics and Finance Msc program, with highest distinction, GATE-LSE and Université Lumière Lyon 2, France*
- 2018–2019 **Year dedicated to volunteering work** in Mauritius (literacy courses teacher at *Caritas*) and in India (Sponsorship Coordinator at *Kalkeri Sangeet Vidyalyaya* NGO)
- 2014–2017 **Bachelor degree in Economics and Business Administration**, with honours, *Université Lumière Lyon 2, France*
Bachelor degree in Political Science, *major in the humanitarian sector, with honours, Université Lumière Lyon 2, France*
- 2013–2014 **French Economic and Social Baccalaureate**, with highest distinction, *Lycée des Mascareignes, Mauritius*

Current and previous positions

- Sept. 2023 – **Temporary Lecturer (demi-ATER)**, *CY Cergy Paris Université and THEMA, France*
Present
- Oct. 2020 – **Full-time PhD student (contrat doctoral)**, *Université Lumière Lyon 2 and GATE-LSE, France*
Aug. 2023

Research stay

- Sept. 2022 – **Institut d'Economia de Barcelona (IEB)**, *Universitat de Barcelona, Barcelona, Spain, invited by Prof. Elisabet Viladecans-Marsal*
Dec. 2022

PhD project (October 2020 - Present)

Title Essays on urban spatial inequalities and Labor market trajectories
Supervisor Florence Goffette-Nagot, Research Professor CNRS, GATE-LSE

This PhD project lies at the crossroads of urban economics and labor economics, and aims at better understanding the inequalities resulting from the interaction of the mechanisms of these two strands of the economy. A first chapter assesses the question of the existence of neighborhood effects in job search behaviors, which could amplify the initial unemployment inequalities due to spatial sorting of individuals across neighborhoods. A second, more exploratory chapter seeks to understand which frictions might explain the fact that the wage compensation mechanism of high housing costs no longer seems to work for the low-skilled on the recent period. A third chapter focuses on the consequences of these high housing costs on the labor market disparities between high-skilled and low-skilled. These issues are both related to public policies implemented in deprived neighborhoods and to housing policies in France.

Work in progress

Title **Neighborhood effects and Job search behaviors**
Co-author Florence Goffette-Nagot (GATE-LSE)

Abstract This paper aims to test for the influence of interactions with neighbors on job search behaviors of unemployed individuals. Using data from the 2014-2019 French Labor Force Survey, we implement a model of endogenous, contextual and group effects inspired from Manski (1993) and applied to job search intensity for different channels. We control for location endogeneity in a similar way as in Bayer et al. (2008) and tackle the reflection issue by using the approach proposed by Lee (2007) and developed by Boucher et al. (2014). We find evidence of endogenous peer effects for all the job search channels, which indicates the existence of imitation or spread of information effects, particularly for job search through personal and professional networks. We also find some contextual and group effects with regards to neighbors' occupations. Such results underline the importance for job search of being surrounded by neighbors with strong labor market connections, and suggest that local social interaction effects in job search could amplify labor market inequalities across neighborhoods.

Title Why are low-skilled not as compensated as expected for higher housing costs?

Standard urban economics models tell us that wages, through agglomeration economies effects, are higher in large cities, but that the concentration of economic agents in these large cities increases housing prices. In equilibrium, wages should compensate for differences in housing costs across space, real wages should be equated across cities of different sizes and workers should be perfectly mobile. When considering heterogeneous agents (high-skilled, low-skilled), these models imply that, due to a higher housing cost burden for the low-skilled, the latter should be, compared to the high-skilled, relatively more compensated in expensive areas. In other words, low-skilled wages should increase more than high-skilled wages in cities with higher housing costs. I however observe, through French data on wages and housing costs, that this compensation mechanism does not seem to work anymore in the recent period. This article firstly aims at measuring robustly the level of these wage compensations and their evolution over time, and secondly at underlining the factors that may explain a lower compensation for the low-skilled. Two sets of explanations are considered. First, the existence of agglomeration economies forces that would benefit more high-skilled workers than low-skilled workers in costly cities. Second, the existence of frictions that would explain why low-skilled are at equilibrium less compensated for higher housing costs. Labor market frictions in costly cities could be more detrimental to low-skilled workers. The latter may have less bargaining power than high-skilled in these cities, due to (i) their higher local unemployment rate, and (ii) to local labor markets featuring more monopsony for them. Mobility frictions may also be greater in costly cities for the low-skilled: (i) who are more dependent on their local networks; (ii) for whom finding employment in less expensive and remote cities is more difficult; (iii) who may suffer more from rigidities on the housing market ("locked-in effect" linked to social housing).

Title The Impact of Housing costs on Labor Market Trajectories

Co-author Ghizlen Ouasbaa Azzouani (Post-doc, IEB & TecnoCampus University Center)

This article aims to assess the consequences of high housing costs on labor market disparities between high-skilled and low-skilled workers, with the aim of shedding light on the issue of the affordable housing deficit. We implement an inter-city analysis in which we compare differences in outcomes between high-skilled and low-skilled based on intra-city mechanisms in line with urban labor models (Zenou, 2009). We use French administrative data to follow the labor market trajectories of employees over the period 2010-2018, and precise data on housing costs. We focus for now on two outcomes: the stability of the contract and the probability of promotions. At the empirical level, an instrumental variable technique is deployed to cope with the endogeneity between the housing and the labor market, while a 'two-step approach' is used to control for the non-random spatial sorting of individuals across cities.

Teaching Experience

- 2023–2024 **Microeconomics II**, *CY Cergy Paris Université*, Teaching assistant, 1st year undergraduate (L1), 3 groups (45 heures)
- Coordinators: Laurence Jacquet and Pauline Morault
 - Introductory course to microeconomics: consumer theory (budget constraint, preferences, optimal choice) and producer theory (production factors and costs, profit maximisation). Preparation and correction of exams.
- 2023–2024 **Principles of Macroeconomics**, *CY Cergy Paris Université*, Teaching assistant, 1st year undergraduate (L1), 3 groups (45 hours)
- Coordinators: Thomas Brodaty and Agustín Pérez-Barahona
 - Introductory course to macroeconomics: key aggregates, GDP components, monetary mechanisms, economic fluctuations (demand and supply shocks). Preparation and correction of exams.
- 2022–2023 **Microeconomics**, *Université Lumière Lyon 2*, Teaching assistant, 1st year undergraduate (L1), 2 groups (26 hours)
- Coordinator: Walid Hichri
 - Basic concepts and instruments of microeconomics: consumer theory, producer theory, the market. Preparation and correction of exams.
- 2021–2022 **Dynamic Macroeconomics**, *Université Lumière Lyon 2*, Teaching assistant, 3rd year undergraduate (L3), 2 groups (35 hours)
- Coordinator: Rym Aloui
 - Long-run macroeconomics. Topics covered: the sources economic growth, inequalities and health. Introduction to macroeconomic modeling through the Solow, Malthus and Lucas models.
 - Preparation and correction of exams. Helping and advising students for their pursuit in a Master degree.

Conferences and Seminars

GATE DiVER seminar (Lyon, Sept. 2024)

AFSE 2024 Annual Congress (Bordeaux, June 2024)

13th European Meeting of the UEA (Copenhagen, June 2024)

AFFINITE seminar (Cergy, Jan. 2024)

Annual seminar “Foncier et logement abordables: les défis économiques” (Paris, Nov. 2023)

THEMA Theoretical and Applied Economics Seminar (Cergy, Oct. 2023)

Tenth ECINEQ meeting (Aix-en-Provence, July 2023)

Workshop “Neighborhoods and local interactions” (Paris School of Economics, May 2023)

GAINS seminar (Le Mans Université, March 2023)

GATE DiVER seminar (Lyon, March 2023)

LEMNA PhD seminar (Université de Nantes, Jan. 2023)
Internal Work in Progress (IWIP) Session, IEB - Institut d'Economia de Barcelona (Barcelona, Dec. 2022)
21st Journées Louis-André Gérard-Varet - LAGV (Marseille, June 2022)
19th Augustin Cournot Doctoral Days - ACDD (Strasbourg, May 2022)
Annual Workshop of the Economic and Management doctoral school - EDSEG 486 (Lyon, April 2022)
Theory and Evaluation of Public Policies (TEPP) Winter school, *Poster sessions* (Aussois, March 2022)
15th North American Meeting of the Urban Economics Association, *Search in Labor markets session* (online, Oct. 2021)
GATE PhD seminar (Lyon, Oct. 2021)
GATE DiVER seminar (Lyon, May 2021)

Awards

May 2022 **Best paper award**, *Augustin Cournot Doctoral Days (ACDD) 2022*

Scholarship and Grants

2022-2025 **"Marchés du logement : dynamique d'usage du sol, dynamique des richesses, dynamique des prix"**, *Union Sociale pour l'Habitat*, participation
2020–Present **Full Research Grant**, *French Ministry of Higher Education*, Université Lumière Lyon 2
2014–2020 **Excellence-Major scholarship**, *French Ministry of Foreign Affairs*, Agency for French Education Abroad (AEFE)

PhD Training

Learning Group on GIS using Python (LeGoGISP), THEMA, CY Cergy Paris Université (Jan-May 2024)

Learning Group on hedonic regression models, GATE-Lyon-St-Etienne (Feb-March 2024)

Urban economics, UEA summer school, Institut d'Economia de Barcelona - Universitat de Barcelona (June 2022)

Public policy evaluation, Theory and Evaluation of Public Policies (TEPP) Winter school, TEPP CNRS Research Federation (March 2022)

Analyzing Panel Data, GSERM Global School in Empirical Research Methods, University of St-Gallen (June 2021)

Introduction to Python, Université de Lyon PhD training program (March 2021)

Administrative positions

May 2022 – PhD student representative (substitute), GATE-LSE council
August 2023

Skills

Language French (native), English (fluent), Mauritian Creole (fluent), Spanish (intermediate)
Software R (proficient), Python (basics), SAS (basics), \LaTeX , MS Office