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 – Present	**PhD in Economics**, *GATE-LSE (Groupe d'Analyse et de Théorie Economique Lyon Saint-Etienne) and Université Lumière Lyon 2*, France
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 Vidyalaya* 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 – Present	**Temporary Lecturer (demi-ATER)**, *CY Cergy Paris Université and THEMA*, France
Oct. 2020 – Aug. 2023	**Full-time PhD student (contrat doctoral)**, *Université Lumière Lyon 2 and GATE-LSE*, France

Research stay

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

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 the job search behaviors of unemployed individuals. Using data from the 2014-2019 French Labor Force Surveys (INSEE) that allows to identify two nested levels of very precise neighborhoods, we implement a model of endogenous (how the average behavior of unemployed neighbors impacts individual's behavior) and contextual effects (how neighbors' characteristics impact individual's behavior) à la Manski (1993) applied to different job search methods and intensity. We control for location endogeneity in a similar way as in Bayer, Ross and Topa (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 most of the job search methods with a negative impact of having unemployed neighbors counterbalanced by a strong positive effect of their search intensity. We also find some contextual effects with regards to the share of neighbors in high-level occupations for total search intensity and search through networks. These results underline the importance of having neighbors highly connected to the labor market in return to employment and suggest that social interaction effects regarding 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, the wage gap between the high-skilled and the low-skilled should decrease 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 to measure the level of these wage compensations and their evolution over time and, secondly, to highlight the frictions that might have contributed to the decrease of these compensations in the recent period. Several hypotheses are considered, among which: (i) the role of differentiated compensation in rents and housing prices (housing market segmentation); (ii) the non-perfect compensation of housing costs for skill levels facing a high unemployment rate and more monopsony (labor market frictions); (iii) the fixed mobility costs and lower adjustment of low-skilled workers to price differentials (mobility frictions).

Title **The Impact of Housing costs on Labor Market Trajectories**

Co-author Ghizlen Ouasbaa Azzouani (PhD student, IEB & Universitat de Barcelona)

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 between 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

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

Skills

Language   French (native), English (fluent), Mauritian Creole (fluent), Spanish (intermediate)

Software   R (proficient), Python (basics), LaTeX, MS Office