

Gyung-Mo Kim

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EDUCATION

Ph.D. student in Economics, Toulouse School of Economics, France	<i>2025 (expected)</i>
Research visit, University of Wisconsin-Madison, USA	<i>Mar. 2023 – Jun. 2023</i>
M.Sc, Economic Theory and Econometrics	<i>2019</i>
M.A. Economics, Sungkyunkwan University, Republic of Korea	<i>2018</i>
B.A. Economics, Sungkyunkwan University, Republic of Korea	<i>2016</i>

REFERENCES

Professor Olivier De Groote	Professor Thierry Magnac	Professor Paul Diegert
Toulouse School of Economics	Toulouse School of Economics	Toulouse School of Economics
olivier.de-groote@tse-fr.eu	thierry.magnac@tse-fr.eu	paul.diegert@tse-fr.eu

Placement Officer: Professor Ulrich Hege (ulrich.hege@tse-fr.eu)

Placement Coordinator: Professor Ana Gazmuri (ana.gazmuri@tse-fr.eu)

Placement Secretary: Louise Strachan (louise.strachan@tse-fr.eu)

RESEARCH INTERESTS

Labor Economics, Economics of Education, Applied Econometrics, Structural Dynamic Models

JOB MARKET PAPER

The Role of Learning in Occupational Decisions and Wage Dynamics

Uncertainty over future returns lies at the heart of human capital investment decisions. In particular, if workers are uncertain about their labor market productivity, this uncertainty could have crucial implications for occupational sorting and wage trajectories. This paper documents first the key US labor market features that can be explained by the presence of uncertainty about workers' own skills and the learning process that unfolds depending on specific experiences. A structural model is built on these empirical patterns and characterizes that workers in their initial occupations would decide whether to stay or quit in response to the wage outcomes as they learn about their skills. The dynamic discrete choice model, extending conventional discrete-time duration analysis, is estimated using the Kalman filter and a conditional choice probability estimator. I find supporting evidence that workers experience significant uncertainty about their skills. The results depict that the difference in the dynamics of wage dispersion across occupations can be attributed to workers' sorting as well as human capital accumulation in different occupations. Counterfactual analysis shows that, in occupations with high probabilities of mismatch attributed to incorrect beliefs, an information provision policy would reduce the share of mismatched workers, which results in a shorter employment duration in the initial occupations, higher wage growth, and lower wage dispersion.

OTHER PROJECTS

Educational choices and heterogeneous returns to higher education in the segmented labor market (Previous title: Educational Choices and Mismatches in the Labor Market)

Information about ability and educational investment mistakes: evidence from Korea, with Olivier De Groote and François Poinas

PRE-DOCTORAL PUBLICATION

Distributional Relationship between the Korean and the U.S. Stock Markets Analyzed by a Functional Regression Approach, with Heejoon Han (in Korean), *The Korean Journal of Economic Studies*, 67 (2019), 5-38.

WORKSHOPS AND SEMINARS

Presentation († : poster session)

2024: Economics of Education Workshop (Toulouse School of Economics)[†], European Association of Labour Economists Conference (Bergen)

2023: International Association of Applied Econometrics Annual Conference (Oslo), Society of Labor Economists Annual Meeting (Philadelphia), Empirical Micro Seminar (University of Wisconsin-Madison)

Organization

Economics of Education Workshop (Toulouse School of Economics, *June 13-14, 2024*), Empirical Micro Workshop (Toulouse School of Economics, *Fall 2021, Spring 2022*)

TEACHING EXPERIENCE

Toulouse School of Economics

Teaching assistant, Applied Econometrics (graduate) *Spring 2021, Spring 2022, Spring 2023*

Sungkyunkwan University

Lecturer, Panel and Time Series Analysis using Stata and MATLAB *Spring 2017*
(boot camp for graduate students)

Teaching assistant, Econometric Theory 1 (graduate) *Spring 2017*

Teaching assistant, Financial Econometrics (undergraduate) *Fall 2016*

HONORS AND SCHOLARSHIPS

École Universitaire de Recherche (EUR) Grant *2023*

French Doctoral Scholarship, University Toulouse 1 *2019 – 2023*

Scholarship Master's Degree Economic Theory and Econometrics, *2018*
Toulouse School of Economics

Simsan Merit Scholarship, Sungkyunkwan University	<i>2016, 2017</i>
Fellowship Integrated Bachelor's & Master's Degree Program (full tuition waiver), Sungkyunkwan University	<i>2016 – 2018</i>
Academic Excellence Scholarship, Sungkyunkwan University	<i>2014, 2015</i>

OTHER

Software: Matlab, Stata, Python, R, L^AT_EX

Languages: Korean (native), English (fluent)

Nationality: South Korea

Military service: Recruit instructor (Republic of Korea Air Force, *Feb. 2011 – Feb. 2013*)