**WOOYONG LEE**

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| **Office Contact Information** | | | |  | |
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| **Placement Directors:** Professor Ufuk Akcigit, [uakcigit@uchicago.edu](mailto:uakcigit@uchicago.edu), (773) 702 0433  Professor Alessandra Voena, [avoena@uchicago.edu](mailto:avoena@uchicago.edu), (773) 702 9127  **Graduate Student Coordinator:** Robert Herbst, [fherbst@uchicago.edu](mailto:fherbst@uchicago.edu), (773) 834 1972  **Personal Information:** Male, Republic of Korea (South) | | | | | |
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| **Education** | | | | | |
|  | The University of Chicago, 2014 to present | | | | |
|  | Ph.D. Candidate in Economics  Thesis Title: “Identification and estimation of average effects in dynamic random coefficient models” | | | | |
|  | Expected Completion Date: June 2020  M.Sc., Statistics, The University of British Columbia, 2014  B.S., Economics, Korea University, 2012 | | | | |
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|  | References: | | | | |
|  | Professor Stéphane Bonhomme (Primary Advisor) | | | | Professor Alexander Torgovitsky |
|  | University of Chicago | | | | University of Chicago |
|  | [sbonhomme@uchicago.edu](mailto:sbonhomme@uchicago.edu), (773) 834 6831 | | | | [torgovitsky@uchicago.edu](mailto:torgovitsky@uchicago.edu), (773) 702 1569 |
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|  | Professor Guillaume Pouliot | | | |  |
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| **Teaching and Research Fields**: | | | | | |
|  | Primary fields: Econometrics | | | | |
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|  | Secondary fields: Labor Economics | | | | |
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| **Teaching Experience:** | | | | | |
|  | Spring, 2018 | Topics in Econometrics (graduate), University of Chicago, Teaching Assistant for Stéphane Bonhomme | | | |
|  | Winter, 2018  Autumn, 2017  Spring, 2017  Winter, 2017  Autumn, 2016  2012 to 2014 | Topics in Microeconometrics (undergraduate), University of Chicago, Teaching Assistant for Thibaut Lamadon  Topics in Microeconometrics (undergraduate), University of Chicago, Teaching Assistant for Thibaut Lamadon  Applied Microeconometrics (undergraduate), University of Chicago, Teaching Assistant for Juanna Schrøter Joensen  Topics in Microeconometrics (undergraduate), University of Chicago, Teaching Assistant for Thibaut Lamadon  Topics in Econometrics (graduate), University of Chicago, Teaching Assistant for Stéphane Bonhomme  Elementary Statistics (undergraduate), University of British Columbia, Teaching Assistant for Eugenia Yu | | | |
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| **Research Experience and Other Employment:** | | | | | |
|  | Summer, 2014 | University of British Columbia, Research Assistant for Nancy Heckman | | | |
| **Honors, Scholarships, and Fellowships:** | | | | | |
|  | 2019 | | Reid Economics Fellowship | | |
|  | 2014 to 2019  2012 to 2014 | | Social Sciences Fellowship  International Partial Tuition Scholarship | | |
| **Professional Activities:** | | | | | |
|  | Conference and Seminar Presentations: | | | | |
|  | 2019 | | Optimization-Conscious Econometrics Conference | | |
| **Language and Computer Skills:** | | | | | |
|  | Computer Skills: | | | | |
|  | R, C++, Matlab, Stata | | | | |
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|  | Languages: | | | | |
|  | English (Fluent), Korean (native) | | | | |
| **Publications:** | | | | | |
| Lee, W., Greenwood, P. E., Heckman, N., & Wefelmeyer, W. (2017). Pre-averaged kernel estimators for the drift function of a diffusion process in the presence of microstructure noise. Statistical Inference for Stochastic Processes, 20(2), 237-252. | | | | | |
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| **Job Market Paper:** | | | | | |
| “Identification and estimation of average effects in dynamic random coefficient models” | | | | | |
| Dynamic fixed effect models are popular in empirical research. However, they allow for unobserved heterogeneity only in the intercept but not in the coefficients, although the coefficients are important parameters such as Cobb-Douglas coefficients of firm's production function or return to education in Mincer equation. This paper studies a dynamic fixed effect model where both its intercept and coefficients are heterogeneous, which is called a dynamic random coefficient model. It is shown that the model is partially identified when the length of panel data is fixed, and the sharp identified set of the model is characterized. The characterization does not require any support restriction. A computationally feasible estimation and inference procedure is proposed, which is applied to life-cycle earnings and consumption dynamics using Panel Study of Income Dynamics (PSID) dataset. The estimates suggest that there is large heterogeneity in earnings persistence and consumption behavior across households and that there is correlation between the two. A calibration of structural life-cycle model is performed to make sense of the estimation results. | | | | | |
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| “<*Paper Title*>” | | | | | |
| <Abstract of research paper. Should be about 150 to 250 words> | | | | | |
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| **Work in Progress:** | | | | | |
| “<*Paper Title*>” | | | | | |
| <Abstract of research paper. Should be about 150 to 250 words> | | | | | |
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