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Placement Directors: Professor Ufuk Akcigit, uakcigit@uchicago.edu, (773) 702 0433
Professor Alessandra Voena, avoena@uchicago.edu, (773) 702 9127
Graduate Student Coordinator: Robert Herbst, fherbst@uchicago.edu, (773) 834 1972

Personal Information: Male, Republic of Korea (South)

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

References:

Professor Stéphane Bonhomme (Primary Advisor)
University of Chicago
sbonhomme@uchicago.edu, (773) 834 6831

Professor Alexander Torgovitsky
University of Chicago
torgovitsky@uchicago.edu, (773) 702 1569

Professor Guillaume Pouliot
University of Chicago
guillaume.pouliot@gmail.com, (773) 834 0628

Teaching and Research Fields:

Primary fields: Econometrics
Secondary fields: Applied Microeconomics

Teaching Experience:

Spring, 2018	Topics in Econometrics (graduate), University of Chicago, Teaching Assistant for Stéphane Bonhomme
Winter, 2018	Topics in Microeconometrics (undergraduate), University of Chicago, Teaching Assistant for Thibaut Lamadon
Autumn, 2017	

Topics in Microeconometrics (undergraduate), University of Chicago, Teaching
Spring, 2017 Assistant for Thibaut Lamadon
Applied Microeconometrics (undergraduate), University of Chicago, Teaching
Winter, 2017 Assistant for Juanna Schrøter Joensen
Topics in Microeconometrics (undergraduate), University of Chicago, Teaching
Autumn, 2016 Assistant for Thibaut Lamadon
Topics in Econometrics (graduate), University of Chicago, Teaching Assistant
2012 to 2014 for Stéphane Bonhomme
Elementary Statistics (undergraduate), University of British Columbia, Teaching Assistant for Eugenia Yu

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	Social Sciences Fellowship
2012 to 2014	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

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.

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.