SOYOUNG LEE

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CONTACT

Department of Economics
The Ohio State University
1945 N.High St., Columbus, OH 43210

Email: soyoung.lee.n@gmail.com
Web: sites.google.com/view/soyoung-lee/

CITIZENSHIP AND VISA STATUS

South Korea (F-1 visa)

EDUCATION

The Ohio State University
Ph.D., Economics, 2014-present
Fields: Macroeconomics, Econometrics
M.A., Economics, 2015

Seoul National University
B.A., Economics, 2008

RESEARCH INTERESTS

Macroeconomics, Financial frictions, Income and Wealth inequality

CONFERENCE PRESENTATIONS

Computing in Economics and Finance (Finalist, Graduate Student Paper Contest)	Ottawa, 2019
Young Economists Symposium	NYU, 2018
Society for Economic Dynamics Annual Meeting	Mexico City, 2018
Midwest Macroeconomics Meetings	Madison, Wisconsin, 2018

TEACHING EXPERIENCE

Ohio State

Principles of Macroeconomics	Instructor, Spring 2019
Intermediate Macroeconomics	TA, Fall 2018
Financial Economics I	TA, Spring 2018
Principles of Microeconomics	TA, Fall 2017
Principles of Macroeconomics	TA, Fall 2016, Spring 2017 and Fall 2019

FELLOWSHIPS, AWARDS AND HONORS

Kennedy Fellowship	Ohio State, 2019
Alumni Grants for Graduate Research and Scholarship	Ohio State, 2018
Dissertation Fellowship	Board of Governors, 2018
Journal of Money, Credit and Banking Travel Grant	Ohio State, 2018
Overseas Traineeship	Bank of Korea, 2014 - 2016

LANGUAGES

English (fluent), Korean (native)
Fortran 90 (with Open MP), Matlab, Stata, R

WORKING PAPERS

The Macroeconomic Effects of Debt Relief Policies during Recessions
(Job market paper. Latest version is available at here.)

I study the aggregate and microeconomic effects of debt relief programs during recessions in a setting where households may default on their mortgages and enter into foreclosure, default on their credit card debt and enter into bankruptcy, neither, or both. Mine is the first dynamic stochastic general equilibrium model accommodating uninsurable income risk, unsecured debt or financial assets, mortgages, houses, bankruptcy, and foreclosure with aggregate risks. With this unique theoretical laboratory accounting for equilibrium price movements, I explore how one form of household debt forgiveness affects another, how households of differing asset positions are affected, as well as the consequences for aggregate series such as GDP and investment.

I find that a mortgage principal reduction program targeting loan-to-value ratios among highly leveraged borrowers delivers significant and persistent increases in aggregate consumption, investment, and output during a recession. The program not only reduces foreclosures but also, to a lesser extent, bankruptcy filings. It dampens the decline in house prices and stimulates capital accumulation, driving lower interest rates. The initial rise in house price has lasting effects by preventing subsequent foreclosures and loosening financial constraints; since a mortgage is subject to loan-to-value ratio limit constraint, these prices change effectively ease the constraint. While the program initially benefits only households that receive the reduction, these equilibrium price implications spread the gains with time, especially to households with low net worth and high leverage.

The Role of Firm Heterogeneity in Earnings Inequality 2018
Over the past three decades, individual earnings inequality has risen alongside increases in the concentration of firm employment and revenue in the U.S. This paper studies the factors underlying these trends and their macroeconomic impacts. I extend a canonical uninsurable earnings risks model with heterogeneous firms and labor market search friction as in Lucas and Prescott (1974). The model successfully replicates the earnings distribution, individual and firm factors in earnings variance, and the firm size distribution. Using this quantitatively disciplined model, a counterfactual exercise is designed to decompose the factors affecting the rise in earnings inequality. I show that the individual component in wages explains most of the rise in earnings inequality. Surprisingly, changes in the firm productivity distribution and worker allocation across firms do not contribute to the rise in earnings inequality but mitigate it.

Generalized Endogenous Grid Method for Models with a Default Option 2018
(with Youngsoo Jang)
We develop an endogenous grid method for models with a default option in which price schedules are endogenously determined in equilibrium and depend on individuals states. We obtain computational efficiency and accuracy benefits by combining Fella's (2014) identification for non-concave regions with our own algorithm that numerically searches for risky borrowing limits. These two procedures identify the region of solution sets for which Carroll's (2006) endogenous grid method is applicable. To demonstrate the method, we solve the Nakajima and Rios-Rulls (2014) model. In terms of computation time, this method is four to five times faster than the conventional grid search method. Moreover, various types of accuracy tests indicate that our method yields more accurate results than pure grid search method.

PAST EXPERIENCE

The Bank of Korea
Economist, 2008-2014.

REFERENCES

Professor Aubhik Khan
Department of Economics
The Ohio State University
410 Arps Hall, 1945 N. High Street
Columbus, OH 43210
khan.247@osu.edu

Professor Julia K. Thomas
Department of Economics
The Ohio State University
410 Arps Hall, 1945 N. High Street
Columbus, OH 43210
thomas.2108@osu.edu

Professor Kyle Dempsey
Department of Economics
The Ohio State University
410 Arps Hall, 1945 N. High Street
Columbus, OH 43210
dempsey.164@osu.edu