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Personal Information

Citizenship: South Korean
Gender: Female
Date of Birth: May 3, 1989
Visa: F1

Undergraduate Studies:

B.B.A. in Business Administration, Korea University, 2014

Master Level Work:

M.S. in Policy Economics, University of Illinois at Urbana-Champaign, 2016

Graduate Studies:

University of Pennsylvania, 2016 to present.
Thesis Title: "Essays in Labor Economics"
Expected Completion Date: May 2022

Thesis Committee and References:

Professor Holger Sieg (Co-advisor)
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Research Fields:

Applied Microeconomics, Labor Economics, Public Economics, Applied Econometrics

Teaching Experience:

Fall, 2018	Introductory Economics for Business Students, UPenn, TA for Prof. Gizem Saka
Spring, 2018	Econometrics II (1 st year Ph.D. course), UPenn, TA for Prof. Francis Diebold

Research Experience and Other Employment:

2018-Present	Research Assistant and Sponsored Ph.D. Student, Penn Wharton Budget Model, The Wharton School, University of Pennsylvania
Summer, 2020	Research Assistant for Prof. Corinne Low, The Wharton School, University of Pennsylvania

Professional Activities:

Referee	International Economic Review
Presentations	Penn Wharton Budget Model, University of Pennsylvania

Honors, Scholarships, and Fellowships:

2021-2022	Maloof Family Dissertation Fellowship in Economics, University of Pennsylvania.
2017	Award for Best Preliminary Examination in Econometrics, University of Pennsylvania

Research Papers:

“Job Flexibility and Household Labor Supply: Understanding Gender Gaps and the Child Wage Penalty” (JOB MARKET PAPER)

This paper investigates how occupational flexibility affects the married couple’s labor supply and the gender pay gap around childbirth. Using an event study specification and NLSY79, I document a significant correlation between husband’s and wife’s occupational flexibility and the couple’s labor adjustment around childbirth, based on the flexibility measure from Goldin (2014). Then I develop and estimate a dynamic household model with labor supply and occupational choice, where occupations are characterized by different wages and levels of flexibility. Using the estimated model, I find that exogenously switching occupational flexibility from low to high promotes wife’s and husband’s labor participation by 4 percentage points in the year of childbirth, respectively. Moreover, the same change in the husband’s flexibility has a greater impact on the wife’s labor adjustment than her own flexibility, increasing her labor participation and working hours by 10 and 7 percentage points, respectively. Finally, I evaluate the effects of counterfactual policies affecting occupational flexibility on household labor supply and the gender pay gap. When policies target wives only, they increase the wife’s labor supply and reduce the gender pay gap in the long run by 8%. However, when both spouses are targeted, the positive effects on the wife’s labor supply are weakened, and the gender pay gap expands in the long run.

“[Using Monotonicity Restrictions to Identify Models with Partially Latent Covariates](#)”
with Wayne Gao, Andrew Postlewaite, and Holger Sieg

This paper develops a new method for identifying econometric models with partially latent covariates. Such data structures arise in industrial organization and labor economics settings where data are collected using an “input-based sampling” strategy, e.g., if the sampling unit is one of multiple labor input factors. We show that the latent covariates can be nonparametrically identified, if they are functions of a common shock satisfying some plausible monotonicity assumptions. With

the latent covariates identified, semiparametric estimation of the outcome equation proceeds within a standard IV framework that accounts for the endogeneity of the covariates. We illustrate the usefulness of our method using a new application that focuses on the production functions of pharmacies. We find that differences in technology between chains and independent pharmacies may partially explain the observed transformation of the industry structure.

Research Papers in Progress:

“Self-Employment Decisions and Household Risk Sharing”

Computational Skills:

MATLAB, R, Stata, Python