

SON, WOOHUN

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EDUCATION

Ohio State University (OSU), Columbus, Ohio

Ph.D., Economics, Department of Economics

Aug 2022 - present

Passed Qualifiers

June 2023

Korea University (KU), Seoul, Korea

MA, Economics, Department of Economics

Mar 2019 - Feb 2022

Korea University, Seoul, Korea

BA, Korean history (Major) and Economics (Minor), Department of Korean History

Mar 2012 - Feb 2019

RESEARCH INTERESTS

Econometrics, Identification, Consumer Theory, Economic History (East Asia), Social unrest (suicide, dispute)

RESEARCH EXPERIENCE

“A Study on Identification of Budget Heterogeneity of Consumers from Vertically Differentiated Market”

- The overlooked effect of not considering affordability on choice set level will result in bias in the price sensitivity and price elasticities estimates, as shown in Pesendorfer et al. (2023). This paper develops a technique to recover the shape of the budget distribution of a market to cope with the biases of parameter estimates in a vertically differentiated product environment. The main strategy is to make use of the single-crossing property of consumers' budget, i.e., the preference ordering of two products changes only once along with the change of budget for consumers with the same preferences in the environment. Since we use prices for different products to obtain a cutoff budget and use it as a special regressor, we relax the typical assumption for a special regressor that it needs a large support of a single price. Using such a cutoff budget as our data, the paper provides some identification results for the misspecified models and challenges for identifying the budget heterogeneity incorrectly specified models.

“A Study of Income Mobility in Korea (1998~2018)” (MA Thesis)

Spring 2022

- The existing income mobility literature can be classified into the ‘Mobility per se approach’ and the ‘Social welfarist approach.’ The former tends to put the ‘Complete Random’ as the most mobile state, while the latter values the ‘Complete Reversal’ or finds distinct welfaric meanings for each of three directions (‘Complete Immobile’-‘Complete Random’- ‘Complete Reversal’). Directional mobility indices which calculate mobility for each direction are needed to resolve the conflict between ‘Complete Random’ and ‘Complete Reversal’ in the problem of the most mobile state. This study presents cursory sets of directional income mobility indices using the Fréchet-Hoeffding bounds for joint distribution functions. A general increase in immobility was found in the application of the existing indices and the introduced directional mobility indices to KLIPS and NaSTaB data. The mobility indices that put ‘Complete Random’ as the most mobile state indicated the decrease in the ‘Complete Random’ direction throughout 1997~2018. However, the directional mobility indices that use the empirical distribution function show the mobility increase in the ‘Complete Random’ direction after the global financial crisis (2008). The ‘Complete Reversal’ mobility was relatively low and showed slight fluctuations.

RESEARCH ASSISTANCE EXPERIENCE

Graduate RA for Prof. Paik, Christopher (Ph.D. in Political Economics, Stanford University), New York University Abu Dhabi

Oct 2021-Present

- Gathered data of rural provinces in pre-modern Korea (Shilla period) and Japan (Kamakura-Muromachi period) and organized historical records written in the Chinese characters in a panel data form into excel for the project: “Old Rural Economies-A Comparison Study”.

- Searched for appropriate models and variables that associate with the sites of Jinjas (Shinto shrines) the economic history papers that focus on sites of shrines for the project: “Shrines as Instruments of Domination-A Long-term Study of Jinjas in Colonial Korea”.

TEACHING ASSISTANCE EXPERIENCE

Grader for Dr. William J. White at OSU

Fall 2023, Spring 2024

- Graded for ECON 4300 Government Finance in the American Economy

TA for Prof. Park, Sangsoo

Fall 2019, Spring 2020, Fall 2020

- Undergraduate Econometrics1(taught in English), KU
- Two hours of question & answer session every week, taught in English for foreign students

TA for Prof. Lee, Samho

Spring 2021

- Undergraduate Theory of Taxation(English), KU

Teaching Fellow for Prof. Kim, Jinyoung (Ph.D., University of Chicago (1994))

Spring 2020, Spring 2021

- Undergraduate Principles of Economics1, KU

SKILLS AND LANGUAGES

Programming:	R, python, julia, MATLAB, Stata, L ^A T _E X, Quantum Geographic Information System (QGIS), Github
Language:	English (proficient), Korean (Native)
Literate Skill:	Chinese Character (proficient, Chinese Character Proficiency Test First Class)

SCHOLARSHIP & AWARDS

Korea University Alumni Association (KUAA) Scholarship

Fall 2016

- Given to undergraduate students with leadership (due to activities as a chief reporter of the student council of Korean history major)

Brain Korea (BK) 21 Plus Graduate Student Scholarship

Spring 2019, Fall 2019, Fall 2020

- Given to graduate students with academic excellence

TA Scholarship

Fall 2019, Spring 2020, Fall 2020, Spring 2021

Excellence Award at MA Thesis Presentation Contest from BK 21 FOUR in KU

Mar 2022

Scholarship from OSU, Economics department

Fall 2022, Spring 2023