

Jimin Park

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EDUCATION

- Mar 2020 - Feb 2022 **Seoul National University**, Seoul, Republic of Korea
(Expected) *Master of Science in Business - Operations Management* (in progress)
• Cumulative GPA: 4.30 / 4.30 (4.00 / 4.00)
- Mar 2016 - Feb 2020 **Seoul National University**, Seoul, Republic of Korea
Bachelor of Arts in Economics, Bachelor of Business Administration
• Graduation rank: 2 / 120 (Summa Cum Laude)
• Cumulative GPA: 4.19 / 4.30 (3.97 / 4.00)
• Econ GPA: 4.27 / 4.30 (4.00 / 4.00), Business GPA: 4.15 / 4.30 (3.95 / 4.00)

FIELDS OF INTEREST

Game Theoretical Modeling and Optimization, Sustainable Operations Management, Applied Econometrics, Empirical Operations Management

RESEARCH

“Informal Cross Border Trade: Operations, Policy, and Opportunities.” Jimin Park, Michael K. Lim and Karthik Murali (<https://ssrn.com/abstract=3973332>)

Abstract: Informal cross-border trade (ICBT) refers to illegal activities of cross-border commerce conducted by unregistered small-scale traders. While the UN recommends several policies to formalize ICBT, many African governments are hesitant to implement them due to concerns over shrinking tax revenues. Using a game-theoretic model, we analyze the operations and key market dynamics of the ICBT value chain. We then examine the policy implications of three representative UN directives: enhancing farmers’ access to the formal channels, reducing export tax rates for traders, and providing an alternative simplified trade regime (STR) to informal traders. We find that the access enhancement and tax reduction policies can lead to increased government contributions when incentives within the formal supply chain are properly aligned, whereas the STR policy is most effective when it provides a large enough boost to the perceived quality of informally traded products. The government can benefit further by tailoring these policies or implementing them in concert. In addition, we conduct a case study based on Uganda’s agricultural exports over an 11-year horizon and show that the government can benefit from the broad implementation of the access enhancement and STR policies, while it would have to tailor a tax reduction policy to see any benefits. Nonetheless, the implementation of each policy leads to an increase in the aggregate welfare of participants while simultaneously increasing the size of the formal trading channel.

- Submitted to *Management Science*
- Presented at INFORMS 2021 (by coauthor)

SCHOLARSHIPS

- Fall 2022 - **Doctoral Study Abroad Scholarship**, Korea Foundation for Advanced Studies (KFAS)
- Fall 2016 - Fall 2019 **Scholarship for Academic Excellence**, Seoul National University
• Merit based scholarship. Received every semester since admission.

AWARDS AND HONORS

- Feb 2020 **Highest Honors in Graduation**, Seoul National University
- Feb 2020 **Seoul National University Alumni President Award**, Seoul National University
- Nov 2016 **SNU Debate Competition Grand Prize**, Seoul National University

UNDERGRADUATE THESIS

“Optimal Contract for Gray Market and Its Implications”

- Optimization using Game theoretical model (Business Bachelor’s dissertation, 2020)

“The Impact of Conformity on Online Purchase Intentions: Focused on the Value of Reference Points”

- Hypothesis testing using Regression analysis, Paired t-test, and 3-way ANOVA (Economics Bachelor’s dissertation, 2020)

EXPERIENCE

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|---|--|
| Seoul National University Spring 2020 - Present | Teaching Assistant for Professor Michael K. Lim <ul style="list-style-type: none">• <i>Management Science</i> (Undergraduate), <i>Operations Management</i> (Undergraduate/MBA), <i>Advanced Decision Analysis</i> (MBA), <i>Process Management</i> (MBA) |
| Seoul National University Spring 2021 | Teaching Assistant for Professor Song-Hee Kim <ul style="list-style-type: none">• <i>Management Science</i> (Undergraduate) |
| Seoul National University Dec 2018 - Present | Research Assistant for Professor Michael K. Lim <ul style="list-style-type: none">• <i>Smart City Marketplace: Technology, Governance, and Sustainability</i> |
| Seoul National University Aug 2019 – Present | Operations Management Seminar |

SELECTIVE COURSES TAKEN

Operations Management/Operations Research

Undergraduate: *Operations Research 1* (Linear/Nonlinear/Integer Programming), *Operations Research 2* (Stochastic Process, Markov Chain), *Management Science*, *Operations Management*
Graduate: *Revenue Management and Pricing* (Dynamic Programming), *Seminar in Operations Management* (Queueing Theory, Stochastic Process), *Advanced Management Science* (Optimization Theory), *Production-Inventory Systems*, *Simulation*, *Supply Chain Management*

Economics/Econometrics

Undergraduate: *Microeconomics*, *Macroeconomics*, *Econometrics*, *Game Theory*, *Industrial Organization*
Graduate: *Studies in Microeconomics*, *Studies in Econometrics*

Math/Statistics

Undergraduate: *Mathematical Analysis*, *Linear Algebra*, *Statistics*, *Statistics Lab*, *Mathematics for Economics* (Constrained/Unconstrained Optimization), *Statistics for Economists* (Parameter Estimation, Specification Tests), *Mathematics: The Basics and Applications 1* (Calculus)

SKILLS / OTHERS

Computer Skills: R, Python, Mathematica, Matlab, Excel, SPSS, Xpress-MP, LaTeX
Languages: Korean (Native), English (Fluent), Japanese (Basic)
Test Scores: GMAT - **770 (99%)** : 42 (96%) / 51 (97%) / 6.0 / 8 (V/Q/AWA/IR)
TOEFL iBT - **118 / 120** : 30/30/30/28 (R/L/S/W)

REFERENCES

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