

HYEONGSUK JIN

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SUMMARY

Ph.D. candidate in economics with extensive knowledge in quantitative analysis, in-depth research experience, and strong communication skills. Expertise in the following areas:

- Research: critical literature review, problem solving, report writing
- Data Analysis: survey analysis, panel data analysis, time series analysis, data visualization
- Quantitative Modeling: economic modelling, numerical methods, simulation analysis

EDUCATION

Ph.D. Economics , Western University	Summer 2018 (Expected)
M.A. Economics , Western University	June 2012
M.A. Economics , Yonsei University, Korea	August 2011
B.A. Economics , Yonsei University, Korea	August 2009

- High Honors at Graduation
- Minor in Applied Statistics

RESEARCH

“Educational Gradients in Marriage, Cohabitation, and Fertility”

- I study the choice between marriage and cohabitation joint with fertility decisions.
- By analyzing National Longitudinal Survey of Youth 1979 and National Survey of Family Growth, I document that there are educational gradients in household union and fertility choices: less educated women are more likely to cohabit and give birth while cohabiting than are more educated women.
- I build a novel lifecycle model of fertility and household union choice, featuring a trade-off between quality and quantity of children to be consistent with the data observations.
- Using the calibrated model, I find that introducing common-law marriage leads fewer people to choose cohabitation, and more children are born to married parents. As a result, children receive 20% more investment during their childhood compared to the economy without the policy.

“Why Do Couples Cohabit? On the Increasing Trend of Cohabitation”

- I study the delay of marriage and increase of cohabitation.
- By building a novel model of household formation that includes marriage and cohabitation, I find that increasing income volatility and closing gender gaps can be reasons behind the trend.

Research Interests

- Macroeconomics
- Labour Economics
- Family Economics
- Computational Economics
- Quantitative methods

WORK EXPERIENCE

Ph.D. Researcher, Western University September 2012 – Present

- Analyzed micro survey datasets applying panel data analysis method.
- Have used statistical packages including Stata, Python, and Microsoft Excel.
- Built and solved quantitative models numerically using Python, Fortran, and C.

Research Assistant, Western University January 2015 – Present

- Assisted Professor Gregory Pavlov's project on multidimensional mechanism design.
- Solved large scale convex programming problems numerically using Python and MOSEK.

Lecturer, Western University May 2015 – June 2015

- Taught EC2156A Labour Economics – Bargaining to undergraduate students.
- Prepared course materials including syllabus, lecture notes, quizzes, and exam.
- Delivered in-class lectures, and held office hours.
- Received end of term evaluation of 6.0 out of 7.0. (The department average is 5.0 out of 7.0)

Teaching Assistant, Western University September 2011 – April 2016

- Recitation leader
 - EC9501A Microeconomics (Master of Financial Economics), Fall 2014
 - EC1022B Introduction to Macroeconomics, Winter 2012
 - EC1021A Introduction to Microeconomics, Fall 2011
 - Led weekly recitation (tutorial) sessions to answer students' questions and solve exercise problems.
- Graded assignments and exams of various courses under the instructors' supervision.

PRESENTATIONS

Canadian Economic Association Annual Conference 2014, 2017
SSHRC Workshop on "Commodities, Wellbeing and Institutions," Guelph 2017

SKILLS

General Computer Skills: Microsoft Office Suite (Word, Excel, PowerPoint), Linux

Scientific / Statistical Programming: Python, Fortran, C, Matlab, R, Stata, SAS, E-views

Language: English, Korean

REFERENCES

Elizabeth Caucutt (Advisor)

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