

Hannah Lee

+82 10-2483-0617 | Room 301, 140-4, Gwanak-ro, Gwanak-gu, Seoul, South Korea
hannimpeha@naver.com | github.com/hannimpeha

RESEARCH INTERESTS

Computational Social Choice, Communication, Cognition, Learning, Doxastic Model, Agent-Based Model

RESEARCH AREAS

Information Economics, Experimental Behavioral Economics, Epistemic Game Theory

EDUCATION

Seoul National University

Master of Arts in Economics

Seoul, Korea

Sep. 2015 – Aug. 2018

Seoul National University | *Summa Cum Laude*

Bachelor of Arts in Economics

Seoul, Korea

Mar. 2006 – Feb. 2012

Bachelor of Arts in Child Development and Family Studies

EMPLOYMENT

Junior Economist

Bank of Korea

Jan. 2012 – Oct. 2019

Seoul, Korea

- Developing a Quarterly Macroeconomic Forecasting Model (BOK12) | *Software: Rats*
- Managing monthly assessment of macroeconomic indicator | *Software: Gauss, Matlab*

PROJECTS

Network Analysis | *Java, JASON, swing*

Aug. 2020 – Present

- Analyzing the network topology promotes truthful information
- Visualizing Mafia game through Java simulation

Risk Assessment of ETF | *Python, Stata, E-views*

Apr. 2018 – May. 2018

- Reporting recent growth and potential risk of leverage ETF
- Bank of Korea Monthly Bulletin

Agent-Based Model | *NetLogo, R*

Dec. 2017 – Mar. 2018

- Developed an Agent-Based real estate model of Seoul
- Participated in the academic paper competition

PUBLICATIONS

Examination of Changes in Monetary Policy Framework and Endogeneity of Money Supply

Feb. 2018

- Bank of Korea Monthly Bulletin, 2018-2 [↗](#)

Analysis of Policy Effects in Housing Markets using Agent Based Model

Mar. 2018

- Academic Paper Competition of Bank of Korea

What is the difference between ‘Recession’ and ‘Depression’?

Sep. 2012

- Contribution to Easy Learning TESAT Economy, Han Kyung Economy Newspaper [↗](#)

WORKING PAPERS

The Optimal Level of Secrecy in Closed Network

Nov. 2020 – Present

- Measuring the optimal level of secrecy in terms of verbosity

When the Truth Prevails

Aug. 2020 – Present

- Studying network topology making the signaling of the truth

ADDITIONAL EDUCATION

Social and Economic Networks: Models and Analysis <ul style="list-style-type: none">• Coursera, by Prof. Matthew O. Jackson <i>Stanford University</i>	<i>Jul. 2020</i>
Bayesian Statistics for Central Bankers <ul style="list-style-type: none">• Bank of England CCBS, by Prof. Haroon Mumtaz <i>Queen Mary University of London</i>	<i>May. 2013</i>
Formulation, Estimation, and Policy Analysis with DSGE Models <ul style="list-style-type: none">• Bank of Korea GIP, by Prof. Lawrence Christiano <i>Northwestern University</i>	<i>Mar. 2013</i>
Real Analysis <ul style="list-style-type: none">• Korea University Credit Exchange Program, by Department of Mathematics	<i>Dec. 2012</i>

PRESENTATIONS

Limitations of Basel III on Developing Countries <ul style="list-style-type: none">• IMF-STI Financial Stability, Singapore	<i>Sep. 2018</i>
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SCHOLARSHIPS AND AWARDS

SNU Development Fund Scholarship Foundation Funds	<i>2008</i>
Superior Academic Performance Seoul National University	<i>2007, 2009, 2010</i>
Samsung Lee Kun-Hee Academic Honor Scholarship Daewon Foreign Language High School	<i>2003</i>

PROGRAMMING SKILLS

Languages: Java, NetLogo, Python, JavaScript, R, Matlab, Stata, E-views
Frameworks: Spring, JASON, React, Node.js, Django
Developer Tools: IntelliJ, Eclipse, PyCharm, WebStorm, VS Code, Git
Graphic Software: Photoshop, AfterEffects, Premiere Pro

LANGUAGES

Korean(native), English(fluent), Spanish(basic: DELE Nivel Inicial)

OTHER INTERESTS

Watching music videos, Playing the piano, Drawing, Computing

Last Updated : November, 2020