HWIKOOK CHOE

D.O.B.: October 7th 1991

5757 S University Ave, Chicago, IL 60637

https://github.com/hwikookchoe

EDUCATION

University of Chicago *September 2017 - June 2023*
Ph.D Candidate (All But Dissertation) in Economics
M.A. in Economics

Korea University *March 2016 - June 2017*
Took courses in Master's in Economics (did not graduate)

Korea University *March 2010 - February 2016*
Bachelor of Economics
Bachelor Science in Mathematics (Double major)

RESEARCH

Understanding Forward-Looking Behavior using Dynamic Discrete Choice and Rational Addiction Model: Application to California Cigarette Tax Increase

Consumer's forward-looking behavior can create change in current purchase and consumption in response to the change in expectation on future price. Using cigarette tax increase in California as exogenous variation, I found peak in purchase right before the actual price increase and plunge after the increase. Using dynamic discrete choice model with rational addiction and stockpiling, I found that change in the timing of tax increase announcement can incur change in consumer's steady state of consumption in the long run.

EXPERIENCE

Ph.D Graduate Student August 2017 - June 2023
The University of Chicago

· Focus on
  - Industrial organization
  - Quantitative marketing
  - Econometrics
  - Causal inference

Graduate Research Assistant June 2018 - June 2019
The University of Chicago Booth School of Business

· Topic of Quantitative marketing.
· Data engineering, including
  - scrapping
  - matching relational data
  - gaining insights on individual level data

Teaching Fellow March 2017 - June 2017
Korea University

· Taught Principles of Economics to Undergraduate Economics students

Graduate Research Assistant   March 2016 - February 2017
Brain Korea 21 Plus, Korea University

· Topic of Industrial organization.
· Model building on merger analysis

TECHNICAL STRENGTHS

Programming

- Python (Advanced)
  - numpy, pandas, scipy, scikit-learn, statsmodels, Tensorflow, matplotlib
  - able to create custom packages

- SQL (Intermediate)

- Visualization (Intermediate)
  - Tableau

Language

- English (Fluent)

- Korean (Native)

GRANTS AND SCHOLARSHIPS

Doctoral Study Abroad Scholarship   *Fall 2017 - Summer 2022*
Korea Foundation for Advanced Studies

Undergraduate Student Scholarship   *2014 - 2015*
Korea Foundation for Advanced Studies

National Scholarship for Humanities and Social Sciences   *2014 - 2015*
Korea Student Aid Foundation

Best Honors Scholarships   *Fall Semester 2013*
Korea University

Gwacheon Scholarships   *Spring Semester 2013*
Gwacheon Scholarship Foundation

Honors Scholarships   *Fall Semester 2010*
Korea University