

SANG-WOOK LEE

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EDUCATION

- Sep 2021 - Present **University of Southern California(USC)**, Los Angeles, California
Marshall School of Business, Department of Data Sciences and Operations
Ph.D. Student in Data Sciences and Operations
- Mar 2018 - Feb 2020 **Yonsei University**, Seoul, Republic of Korea
Department of Economics, Master program
- Mar 2011 - Feb 2018 **Yonsei University**, Seoul, Republic of Korea
Bachelor of Arts, Economics, *Graduated with High Honors* (Magna Cum Laude)
- Jan 2016 - Dec 2016 **University of California Los Angeles (UCLA)**, Los Angeles, California
Exchange Student, **Mathematics**
- Apr 2013 - Jan 2015 **Leave of Absence**, Military Service, **Eighth United States Army**
Korean Augmentation to The United States Army (**KATUSA**), Retired as Sergeant (E-5)

FIELDS OF INTEREST

Statistical Machine Learning, Optimization, High-dimensional Data Analysis, Sparse Methods

AWARDS AND HONORS

- Magna Cum Laude (Yonsei University) Feb 2018
Dean's Honors List (UCLA) Winter 2016
Highest Honors (Yonsei University) Spring 2012, Spring 2017, Fall 2017
High Honors (Yonsei University) Fall 2011
Honors (Yonsei University) Spring 2011, Fall 2012

SCHOLARSHIPS AND FELLOWSHIPS

- 2021 Korean Government Scholarship for Study Overseas
2019 Fulbright Graduate Study Award (declined to accept)
2018 Graduate Student Scholarship, Ohilhong Foundation
2016 Yonsei Alumni Scholarship Foundation (Full tuition and living cost)
2015 Exchange Student Program Scholarship, Mirae Asset Foundation
2012 *Veritas* Scholarship, Merit-based, Yonsei University (Full tuition)
2011 *Veritas* Scholarship, Merit-based, Yonsei University (Full tuition)
2011 Yongwoon Scholarship Foundation
2010 Samsung Dream Scholarship Foundation (Full tuition and living cost)

US MILITARY HONORS

- Eighth US Army** *Korean Augmentation to The United States Army(KATUSA)*
Apr 2013 - Jan 2015 - **Army Commendation Medal(ARCOM)**, from Commanding General of Eighth Army
- Eighth US Army *Best Warrior Competition* 2014 Winner
- Eighth US Army *KATUSA of the Year*, 2014
- Non-Commissioned Officer Academy(WLC), Graduated with *Commandant List*

PROGRAMMING SKILLS

Python, R, JAVA, MATLAB, C++, SAS, L^AT_EX

RESEARCH EXPERIENCES

- USC** **Research** with Prof. Jacob Bien and Prof. Xin Tong
Jan 2022 - Present - A mixture of log-concave regressions
- Yonsei University** **Research** with Prof. Tae-Hwan Kim, Professor Yunmi Kim
Dec 2017 - Dec 2019 - “Does Political Orientation Affect Happiness?: In the case of South Korea”
- Supported by *National Research Foundation of Korea* (NRF-2017S1A5A2A01025435)
- Published at *Applied Econometrics* (2020, v. 57, pp. 102–118.)
- Yonsei University** **Research Assistant** for Research Institute for Liberal Education of Yonsei Univ.
Sep 2019 - Aug 2021 - Supervisor: Prof. Soo-Chul Chang (Yonsei.), Prof. Dongkyu Kim
- Assistant for the Research institute
- Yonsei University** **Research Assistant** for FYEA(First Year Experience Assessment) team of Yonsei Univ.
Mar 2019 - Aug 2021 - Supervisor: Prof. Jooyoung Lee(Yonsei.), Prof. Kyoungseon Do(Yonsei.)
- Analyzed the basic/survey data of Yonsei University students
- Yonsei University** **Research** with Kyung Woong Koh (Yonsei Univ.)
Dec 2018 - Feb 2019 - “Sole Proprietors’ and Small Business Owners’ Perceptions on Taxation Fairness in South Korea”
- Analyzed the penal data from KIPF(Korea Institute of Public Finance)
- Submitted to *Maeil Business Newspaper Economics Research Paper Competition*
- UCLA** **Research Assistant** for Prof. Youssef Benzarti
Aug 2016 - Oct 2016 - Assisted for paper, “Meritocratic Dynasties: Evidence From Exam Results of Descendants of the French Nobility” (Preliminary)
- Analyzed the data of the descendants of the former french nobility

TEACHING EXPERIENCES

- Yonsei University** **Teaching Assistant**
Spring 2017 - Fall 2020 - *Mathematical Statistics* (Graduate, in English, Fall 2018, Spring 2020, Fall 2020)
- *Mathematics for Economics 1* (Undergraduate, in English, Spring 2018, Spring 2017)
- *Econometrics 1* (Undergraduate, in English, Fall 2017)
- *Econometrics 2* (Undergraduate, Fall 2020)
- *Microeconomics* (Spring 2019)
- *Principles of Microeconomics* (Spring 2019)