

Heeju Lim

CONTACT

INFORMATION

E-mail: heeju.lim@uconn.edu

Website: heeju-lim.github.io

EDUCATION

University of Connecticut, Storrs, USA

Ph.D. in Statistics (GPA : 3.76/4.0)
(Academic Leave of Absence)

Aug 2019 - Aug 2026
(Aug 2021 - Aug 2023)

Advisor : Dr. Victor Hugo Lachos Davila

E-mail: hlachos@uconn.edu

(Dissertation : Methodological Advances in Heckman Selection Models.)

Korea University, Seoul, Republic of Korea

M.S. in Statistics (GPA : 4.0/4.0)

Mar 2015 - Feb 2017

Advisor : Dr. Yousung Park

E-mail: yspark@korea.ac.kr

(Thesis : A study on financial stability through the estimation of workers' compensation insurance, employment insurance, and child education and childcare budget.)

Sejong University, Seoul, Republic of Korea

B.S. in Applied Statistics (GPA : 3.78/4.0)
(Academic Leave of Absence)

Mar 2010 - Feb 2015
(Mar 2012 - Aug 2012)

Advisor : Dr. Seungyeon Lee

E-mail: leesy@sejong.ac.kr

PUBLICATIONS

H. Lim, C. A.R. Diniz, O. Harel, V. H. Lachos (2026). Multiple Heckman Selection Model. Submitted, <https://doi.org/10.48550/arXiv.2605.01713>

H. Lim, V.E. Lachos, V.H. Lachos (2026) Bayesian analysis of heavy-tailed Heckman selection models using Hamiltonian Monte Carlo, *Computational Statistics*, 41(40). <https://doi.org/10.1007/s00180-026-01717-7>.

H. Lim, J. A. Ordonez, A. Punzo, V. H. Lachos (2026). Heckman selection contaminated normal model. *Journal of Computational and Graphical Statistics*, 35(2), 963-975. <https://doi.org/10.1080/10618600.2025.2576165>

Kang, J. S., Park, T., Han, Y., Lee, S., **Lim, H.**, et al. (2019). Clinical validation of the 2017 international consensus guidelines on intraductal papillary mucinous neoplasm of the pancreas. *Annals of Surgical Treatment and Research*, 97(2), 58–64. <https://doi.org/10.4174/astr.2019.97.2.58>

Lee, S., **Lim, H.** (2019). Review of statistical methods for survival analysis using genomic data. *Genomics & Informatics*, 17(4), e41. <https://doi.org/10.5808/GI.2019.17.4.e41>

PRESENTATIONS

Heckman Selection Contaminated Normal Model

Contributed Session at the ENAR 2025 Spring Meeting. New Orleans, USA, March-2025

(**Poster Winner**) the 7th Stat4Onc Annual Symposium. Connecticut, USA, May-2024

Student Session in the 37th New England Statistics Symposium. Connecticut, USA, May-2024

Bayesian Analysis of Heckman Selection Models

Invited Session at the 2025 ICSA Applied Statistics Symposium. Connecticut, USA, June-2025

(**Poster**) The 38th New England Statistics Symposium. Connecticut, USA, May-2025

(**Poster**) DahShu Data Science Symposium. Connecticut, USA, October-2025

Study on Predictive Survival Models using Machine Learning

(**Poster**) The Korean Statistical Society conference. Chuncheon, South Korea, May-2019

TECHNICAL SKILLS	Advanced statistical programming skills of R, SAS, and Python Advanced technical skills of SPSS Statistics and SPSS Modeler Proficient in database management using SQL Moderate web programming skills in HTML, PHP, and JavaScript Moderate computer programming skills in C and JAVA	
CERTIFICATES	SAS Certified Base/Advanced Programmer for SAS 9 Oracle database 10g Administrator Certified Professional Oracle database 12c Administrator Certified Professional	Jul 2015 Sep 2014 Jan 2016
AWARDS AND HONORS	Service Award, Department of Statistics, UConn Conference Participation Award, The Graduate School, UConn CLAS Summer Fellowship, Department of Statistics, UConn The 7th STAT4ONC Annual Symposium Student Poster Award Scholarships for Internationalization, Korea University Academic Research Scholarships, Korea University Research Assistant Scholarships, Korea University BK21PLUS Scholarship, Korea University Magna cum Laude, Sejong University Honors Scholarship, Sejong University National Scholarships, Sejong University Lecture-Research Assistant Scholarship, Sejong University	Fall 2024 Summer 2024 Summer 2024 May 2024 Spring 2016 Spring 2016 Spring 2016, Fall 2015 Spring 2016, Fall 2015 Spring 2015 2014, 2013, 2012, 2011 2014, 2013, 2012 Spring 2012
TEACHING ASSISTANT	Discussion Instructor Elementary Concepts of Statistics. UConn Grader Applied Spatio-Temporal Statistics, UConn. Linear Models 1, UConn. Introduction to Mathematical Statistics 2, UConn. Introduction to Mathematical Statistics 1, UConn. Bayesian Statistics, Sejong Univ. Introduction to Database(SQL), Korea Univ. Introduction to C-Programming, Korea Univ. Mathematical Statistics 2, Sejong Univ.	Fall 2024, Spring 2025, Fall 2025 Fall 2025 Fall 2024 Spring 2021 Fall 2020 Fall 2018 Fall 2015 Spring 2015 Fall 2014
WORK AND RESEARCH EXPERIENCE	University of Connecticut Research Assistant under Dr. Victor Hugo Lachos Davila Korea University Data Scientist in the Department of Convergence and Open Sharing System for New Energy Industry	Aug 2023 - May 2026 Oct 2022 - March 2023

National Tax Service of the Republic of Korea Apr 2022 - Sep 2022
Statistician in the Department of National Tax Data

University of Connecticut Aug 2019 - May 2021
Webmaster in the Department of Statistics and the New England Statistical Society(NESS)

Sejong University Sep 2018 - Jun 2019
Full-time Researcher in Biostatistics laboratory under Dr. Seungyeon Lee

DATASOLUTION, Inc. (Formerly SPSS Korea) Mar 2017 - Sep 2017
Data Analyst in the Department of Consulting Business HQ

Korea University Jul 2015 - Feb 2017
Research Assistant in Time Series Analysis Laboratory under Dr. Yousung Park

Sejong University Aug 2014 - Feb 2015
Undergraduate Researcher in Biostatistics laboratory under Dr. Seungyeon Lee