JAEHUI LIM, PHD

✉ limjaeh@arizona.edu

📍 MATH Building, Room 323, Department of Mathematics, University of Arizona

PROFILE

An Assistant Professor of Practice in the Department of Mathematics at the University of Arizona, with primary responsibilities centered on teaching statistics courses. Earned a Ph.D. in Statistics from Florida State University in 2021. Research interests include machine learning (particularly statistical modeling), spatial statistics, wavelets, and Bayesian statistics. Motivated by a passion for education and committed to a career in higher education. Extensive programming experience supports the integration of practical computational approaches into both teaching and research.

EDUCATION

Florida State University *Dec. 2021*
Ph.D. in Statistics
Supervisors: Dr.Eric Chicken and Dr.Jonathan Bradley
Dissertation: Incorporating Bayesian Variable Selection into the Spatial Mixed Effects Models with Process Augmentation

Florida State University *May 2017*
M.S. in Statistics

Idaho State University *-*
M.S. in Mathematics

Idaho State University *May 2013*
B.S. in Mathematics and Statistics

College of Southern Idaho *Dec. 2010*
A.S. in Mathematics

ACADEMICAL ACTIVITIES: TALKS, PRESENTATIONS, POSTERS AND OTHERS

J. Lim, *Bayesian Wavelet Neural Network*, 2021 New England Statistics Symposium, Invited Talk Session

J. Lim, J. Bradley, E. Chicken, *Bayesian Variable Selection Through Wavelet Neural Network For Spatio-Temporal Data*, 2021 Quality and Productivity Research Conference Poster Session
· *Runner-up for Best Poster*

J. Lim, J. Bradley, E. Chicken, *Bayesian Variable Selection Using Wavelet Neural Networks*, 2020 Annual Florida ASA Chapter Meeting Poster Session

J. Lim, J. Bradley, E.Chicken, *Bayesian Variable Selection Through a Wavelet Neural Network For Sparse Spatio-Temporal Data (Progress)*, 2020 Spatio-Temporal Reading Group, Department of Statistics, The Florida State

J. Lim, J. Bradley, E. Chicken, *Rank Selection of Wavelet Bases in a Spatial Mixed Effects Model using a Two-Step Bayesian Forward Selection Algorithm*, 2019 Joint Statistical Meeting Contributed Poster Session

J. Lim, *Selection of Basis Functions in a Spatial Mixed Effects Model using a Two-Stage Bayesian Forward Selection Algorithm*, 2018 Yongyuan and Anna Li Presentations, Department of Statistics, The Florida State

J. Lim, *Why Mathematics and Statistics?*, Invited Talk Session, Daerim Middle School, Summer 2015, http://Daerim.sen.ms.kr/index.do

J. Lim, Hi-Seoul Festival, Invited Lecturer at Seoul Science Festival, 2010, Jongro-Gu, Seoul, Republic of Korea

WORK EXPERIENCE

Assistant Professor of Practice, Department of Mathematics, University of Arizona, Fall 2023 - Current

- **MATH 163, Basic Statistics**
- **MATH 263, Introduction to Statistics and Biostatistics**
- **MATH 363, Introduction to Statistical Methods**
- **DATA 201, Foundations of Data Science**

Republic of Korea Army, South Korea, November 15, 2021 - May 14, 2023

- **Principle assignments: Managing military equipment including fire arms, night and day optical / observation devices, and managing Chemical, Biological, Radiological and Nuclear (CBRN) equipment**
- **Some of job responsibilities include data handling and others**
- **Further details related to the job and military occupational specialty are not disclosed for confidentiality reasons**

Teaching Assistant, Department of Statistics, Florida State University, Summer 2019 - Spring 2020

- **STA 1013, Statistics Through Examples**
- **STA 2023, Fundamental Business Statistics**

Teaching Assistant, Department of Mathematics and Statistics, Idaho State University, Fall 2013 - Spring 2015

- **MATH 1108, Intermediate Algebra**
- **MATh 1143, College Algebra**
- **MATH 1127, The Language of Mathematics**
- **MATH 1153, Statistical Reasoning - Substitute**

Career Path Internship (CPI), Idaho State University, Summer 2013

- **Conducted studies on theories within Markov Chain Monte Carlo literature**

Textbook Exercise-Problems examination, Calculus, *Freeman*, Math/Computer Science Club, Idaho State University

- **Identified errors in the exercise problems and tested whether the problems are appropriate in terms of difficulty**

Tutor, Math Lab, College of Southern Idaho, 2009 - 2010

- **Undergraduate-level mathematics**

Tutor, Mentor and Grader, 2009 - 2021

- **Statistics Tutor, Florida State University**
- **Programming Private-Tutor (R, SAS, Minitab), Florida State University**
- **Mathematics and Statistics tutor, Math Tutoring Center, Idaho State University**
- **Mentor, 2021 All-Korea Middle School Food Idea Competitive Exhibition, Ministry for Food, Agriculture, Forestry and Fisheries of Republic of Korea**

Intern at Dongjak-Gu Borough Office, Seoul, South Korea, Summer 2008

- **Computer technician**
- **IT Education Tutor (Basic Computer Programming, Microsoft Office, and others)**