JIHUI LEE

jihui.lee@columbia.edu ⋄ (212) 305 - 9398
722 West 168th Street, 6th floor
New York, NY 10032

EDUCATION

Columbia University, New York, NY (Expected) 2018
Ph.D. in Biostatistics

Seoul National University, Seoul, Korea 2013
M.S. in Statistics

University of Seoul, Seoul, Korea 2011
B.S. in Statistics (Highest Honors)
B.A. in Urban Administration

RESEARCH INTERESTS

- Functional Data Analysis

- Statistical Analysis of Complex Networks

- Data Mining and Machine Learning

ACADEMIC HONORS & GRANTS

- Political Networks Fellowship Award, 2017

- Eastern North American Region (ENAR) Distinguished Student Paper Award, 2017

- First runner-up, Data Science Institute (DSI) Poster Social and Competition, 2016

- Biostatistics Fellowship, Columbia University, 2013 - 2016

- Brain Korea 21 Scholarship, 2012

- Seoul Mayor's Fellowship, 2009

- Academic Excellence Scholarship, University of Seoul, 2007 - 2010

RESEARCH EXPERIENCE

Simons Foundation Autism Research Initiative (SFARI) December 2014 - November 2015
Research Assistant *New York, NY*

· Latent class analysis to identify patterns of abnormality in cognitive, behavioral, neurological, and anthropometric phenotypes among 16p11.2 deletion/duplication children
· Simons Variation in Individuals Project (SVIP) qualitative analysis using linear mixed models

International Vaccine Institute (IVI) September 2012 - May 2013
Research Assistant *Seoul, Korea*

· (Statistical analysis) Case fatality rate and length of hospital stay among patients with typhoid intestinal perforation in developing countries: A systematic literature review, 2014
· Data management and literature review regarding typhoid vaccine

Office of Admissions, University of Seoul September 2010 - February 2011
Data Analyst *Seoul, Korea*
· Statistical analysis for publishing annual report

TEACHING EXPERIENCE

INSTRUCTOR
Full responsibility of curriculum, lectures, homework and exams

Columbia University *New York, NY*

· Statistical Computing with SAS (P6110: Master Level) Spring 2016 - 2017; Fall 2016
· Introduction to Biostatistics (P6103: Master Level) Summer 2014 - 2017

   – The Biostatistics Enrichment Summer Training Diversity Program (BEST) and
     Columbia Summer Institute for Training in Biostatistics (CSIBS)

TEACHING ASSISTANT
Holding regular office hours & tutorials and grading assignments

Columbia University *New York, NY*

· Theory of Statistical Inference 2 (P9110: Ph.D. Level) Spring 2016 - 2017
· Theory of Statistical Inference 1 (P9109: Ph.D. Level) Fall 2014 - 2016
· Linear Regression Models (P8111: Master Level) Spring 2015
· Introduction to Biostatistical Methods (P6104: Master Level) Summer 2014, 2017

Seoul National University *Seoul, Korea*

· Statistical Seminar (Undergraduate Level) Spring & Fall 2012

University of Seoul *Seoul, Korea*

· Mathematical Statistics (Undergraduate Tutor) Fall 2011

TALKS

CONTRIBUTED

Joint Statistical Meetings (JSM), Baltimore, MD July 31, 2017
Varying-coefficient models for dynamic networks
JSM 2017: Speed oral and poster presentations

North American Social Networks (NASN) Conference, Washington, DC July 28, 2017
Varying-coefficient models for dynamic networks
The 1st NASN of the International Networks for Social Network Analysis (INSNA)

Political Networks (PolNet) Conference and Workshops, Columbus, OH June 16, 2017
Varying-coefficient models for dynamic networks
The 10th Annual Political Networks Workshops and Conference

Data Science Institute (DSI), Columbia University, New York, NY April 05, 2017
Varying-coefficient models for dynamic networks
Data Science Day: Poster presentation

Eastern North American Region (ENAR), Washington, DC March 14, 2017
Varying-coefficient models for dynamic networks
ENAR 2017 Spring Meeting

Data Science Institute (DSI), Columbia University, New York, NY   September 29, 2016
Functional Exponential Random Graph Models for Time-Varying Networks
DSI Poster Social and Competition (*First runner-up*)

INVITED

Columbia University, New York, NY   February 23, 2017
The beauty of `ggplot2`
Columbia Biostatistics Computing Club (CBCC)

Columbia University, New York, NY   October 13, 2016
Incorporating the Function-on-Scalar Regression with Curve Registration via Variational Bayes
Graduate Student Research Seminars (GSRS)

Columbia University, New York, NY   October 11, 2016
A Family of Functional Exponential Random Graph Models for Dynamic Networks with Temporal Heterogeneity
Functional Data Analysis Working Group (FDAWG)

Columbia University, New York, NY   March 29, 2016
Functional Exponential Random Graph Models for Smoothly Transitioning Networks
Functional Data Analysis Working Group (FDAWG)

Columbia University, New York, NY   March 24, 2016
Functional Exponential Random Graph Models for Smoothly Transitioning Networks
Graduate Student Research Seminars (GSRS)

Columbia University, New York, NY   March 03, 2015
Weighted and Generalized Least Squares
P8111 Linear Regression Models (Guest Lecturer)

Columbia University, New York, NY   February 24, 2015
Data Visualization with `ggplot2`
Functional Data Analysis Working Group (FDAWG)

SKILLS

R, SAS, SPSS, LaTeX, Microsoft Office

SOFTWARE DEVELOPMENT

R Package 'VCERGM': Implement varying-coefficient random graph models (VCERGMs) on dynamic networks. R package is available at **https://github.com/jihuilee/VCERGM**.

ACADEMIC ACTIVITIES

Functional Data Analysis Working Group (FDAWG)   September 2013 - Present
Active Member
Department of Biostatistics, Columbia University

Graduate Student Research Seminars (GSRS)   January 2016 - August 2017
Group Organizer
Department of Biostatistics, Columbia University

EXTRA-CURRICULAR ACTIVITIES

Eastern North American Region (ENAR), Washington, DC   March 12, 2017
Poster Judging Coordination
ENAR 2017 Spring Meeting

Columbia University, New York, NY   2016 - 2017
Doctoral Program Subcommittee on Biostatistics (DPSOB): Student Representative

Columbia University, New York, NY   2014 - Present
Biostatistics Student Cohort (BSC): Ph.D. Representative

Korean Statistical Society, Seoul, Korea   July 1-2, 2011
Conference Coordination: Hosting international participants as a translator
KSS Spring Conference of Probability and Statistics

State University of New York at Stony Brook, Stony Brook, NY   Spring 2010
Exchange Program in Applied Mathematics and Statistics (AMS)

Uijeongbu Girls' High School, Uijeongbu, Gyeonggi, Korea   Summer & Winter 2008
Mathematics Tutor

University of Seoul, Seoul, Korea   2007 - 2009
Departmental Student Representative, Department of Statistics