

JIHUI LEE

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EDUCATION

Columbia University , New York, NY Ph.D. in Biostatistics	(Expected) 2018
Seoul National University , Seoul, Korea M.S. in Statistics	2013
University of Seoul , Seoul, Korea B.S. in Statistics (Highest Honors) B.A. in Urban Administration	2011

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

- 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
Functional Exponential Random Graph Models for Time-Varying Networks
DSI Poster Social and Competition (*First runner-up*)

September 29, 2016

INVITED

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

February 23, 2017

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

October 13, 2016

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

October 11, 2016

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

March 29, 2016

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

March 24, 2016

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

March 03, 2015

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

February 24, 2015

SKILLS

R, SAS, SPSS, L^AT_EX, 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)
Active Member
Department of Biostatistics, Columbia University

September 2013 - Present

Graduate Student Research Seminars (GSRS)
Group Organizer
Department of Biostatistics, Columbia University

January 2016 - August 2017

EXTRA-CURRICULAR ACTIVITIES

Eastern North American Region (ENAR) , Washington, DC <i>Poster Judging Coordination</i> ENAR 2017 Spring Meeting	March 12, 2017
Columbia University , New York, NY <i>Doctoral Program Subcommittee on Biostatistics (DPSOB)</i> : Student Representative	2016 - 2017
Columbia University , New York, NY <i>Biostatistics Student Cohort (BSC)</i> : Ph.D. Representative	2014 - Present
Korean Statistical Society , Seoul, Korea <i>Conference Coordination: Hosting international participants as a translator</i> KSS Spring Conference of Probability and Statistics	July 1-2, 2011
State University of New York at Stony Brook , Stony Brook, NY <i>Exchange Program</i> in Applied Mathematics and Statistics (AMS)	Spring 2010
Uijeongbu Girls' High School , Uijeongbu, Gyeonggi, Korea <i>Mathematics Tutor</i>	Summer & Winter 2008
University of Seoul , Seoul, Korea <i>Departmental Student Representative</i> , Department of Statistics	2007 - 2009