

Yunju Im

Department of Statistics and Actuarial Science
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The University of Iowa
Iowa City, IA 52242

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EDUCATION

University of Iowa

Ph.D. candidate in Statistics

Advisor: Professor Aixin Tan and Professor Jian Huang

Iowa City, IA

Expected May 2020

Ewha Womans University

M.S. in Statistics, interdisciplinary bachelor-master's program

Thesis: Canonical Correlation Analysis without matrix inversion

Seoul, South Korea

February 2014

Ewha Womans University

B.S. in Statistics & B.E. in Economics, *magna cum laude*

Seoul, South Korea

August 2012

RESEARCH EXPERIENCE

University of Iowa

Research with Professor Aixin Tan

Research topics: Bayesian modeling and computation. Bayesian nonparametrics.

Iowa City, IA

2016 - present

Research with Professor Jian Huang

Research topics: Penalized optimization and computation.

2015 - 2016

Ewha Womans University

Research Assistant for Professor Jae Keun Yoo

Research topics: Dimension reduction. High-dimensional data analysis. Multivariate data analysis.

Seoul, South Korea

2012 - 2014

PUBLICATIONS

Im, Y., Gang, H., & Yoo, J. K. (2015). Highthroughput data dimension reduction via seeded canonical correlation analysis. *Journal of Chemometrics*, 29(3), 193-199.

Yoo, J. K., & **Im, Y.** (2014). Multivariate seeded dimension reduction. *Journal of the Korean Statistical Society*, 43(4), 559-566.

WORKING PAPERS

Im, Y. & Tan, A. Bayesian subgroup analysis in regression using mixture models, to be submitted in December 2019.

Im, Y. & Tan, A. Hyperparameter selection in Bayesian mixture models with application to subgroup analysis in regression.

PRESENTATIONS

Subgroup analysis in regression using mixture of finite mixture models

- Oral presentation at the 2019 Women in Statistics and Data Science Conference, Bellevue, WA, October 4, 2019
- Oral presentation at the Joint Statistical Meetings, Denver, CO, July 29, 2019
- Poster presentation at the Objective Bayes methodology conference, University of Warwick, Coventry, United Kingdom, June 30, 2019

Subgroup analysis in regression using Dirichlet process mixture models

- Oral presentation at Biostatistics in the Modern Computing Era, Medical College of Wisconsin, Milwaukee, WI, September 28-30, 2017

Canonical correlation analysis without matrix inversion

- Oral presentation at the International Chinese Statistical Association, Hong Kong, China, December 20-23, 2013
- Poster presentation at the Joint Symposium 2013 between Ewha Womans University, Japan Women's University and Ochanomizu University for the Promotion of Education and Research for Women in Science, Ewha Womans University, Seoul, South Korea, December 11-12, 2013
- Oral presentation at the Korean Statistical Society Fall Conference, Dongguk University, Seoul, South Korea, November 1-2, 2013

TEACHING EXPERIENCE

University of Iowa	Iowa City, IA
Head Teaching Assistant, <i>Statistics for Business</i>	2016 - 2019
Teaching Assistant, <i>Statistics for Business</i>	2015 - 2016
Ewha Womans University	Seoul, South Korea
Teaching Assistant, <i>Analysis of Life Science Data</i>	Spring 2013
Teaching Assistant, <i>Statistics II</i>	Fall 2012, Fall 2013

HONORS AND AWARDS

GPSG Travel Grant, University of Iowa	2019
WSDS2019 Travel Award, Women in Statistics and Data Science Conference	2019
GSS/Graduate College Presentation Travel Funds Awards, University of Iowa	2019
The College of Liberal Arts & Sciences Dissertation Writing Fellowship, University of Iowa	2019
Honorable Mention for Outstanding TA, University of Iowa	2018, 2019
Graduate College Summer Fellowships, University of Iowa	2017, 2018
Global Korea Scholarship - Government Scholarship for Overseas Study, South Korea	2014 - 2016
Brain Korea 21 plus Fellowships, South Korea	2013 - 2014
Interdisciplinary Bachelor-Master's Program Scholarships, Ewha Womans University	2012 - 2014

COMPUTER SKILLS

R, Julia, SAS, OpenBUGS, Python, SPSS