WooJung Bae Curriculum Vitae

Contact Information

Department of Statistics, University of Florida
117D Griffin-Floyd Hall, Gainesville, FL 32611   Email: woojung.bae@ufl.edu

Education

Aug 2018 – Present	**University of Florida**, Gainesville, FL
	Ph.D., Student, Statistics under the supervision of *Dr. Michael Daniels*
Mar 2016 – Feb 2018	**Yonsei University**, Seoul, Korea
	M.A., Statistics under the supervision of *Dr. Sangwook Kang*
Mar 2009 – Feb 2016	**Kyung Hee University**, Seoul, Korea
	B.S., Mathematics and B.E., Economics (Dual Degree)

Research Experience

Research Assistant

	Department of Statistics, University of Florida
May 2020 – Present	Under the supervision of *Dr. Michael Daniels*
	Department of Applied Statistics, Yonsei University
Sep 2016 – Feb 2018	Under the supervision of *Dr. Sangwook Kang*

Teaching Experience

Teaching Assistant

Department of Statistics, University of Florida

STA 5328	Fundamentals of Statistics
STA 5325	Fundamentals of Probability
STA 4322	Introduction to Statistics Theory
STA 4321	Introduction to Probability
STA 3032	Engineering Statistics
STA 3024	Introduction to Statistics 2
STA 2023	Introduction to Statistics 1

Department of Applied Statistics, Yonsei University

STA 3123	Sampling Theory
STA 3108	Survival Analysis
STA 1001	Introduction to Statistics

Research Interests

Bayesian Methodology, Casual Inference, Biostatistics, Missing Data, Building a Software

Computer Skills

Languages & Software   R, RCPP, SAS, MATLAB, LaTeX

Publications

∗ : Co-first author

1. Choi, D.∗, **Bae, W.**∗ and Kang, S. (2022+) Model Checking Methods for Semi-Parameteric Accelerated Failure Time Models.
2. **Bae, W.**∗, Choi, D.∗ and Kang, S. (2022+) R Package afttest for Checking Semiparametric Accelerated Failure Time Models with an Induced Smoothing Approach.

Presentation

Contributed Talk

Aug 2022	Causal Mediation in Weight Management Trials using Bayesian Nonparametrics, *Joint Statistical Meeting*, Washington, D.C.
Jul 2022	Causal Mediation in Weight Management Trials using Bayesian Nonparametrics, *International Society for Bayesian Analysis*, Montreal, Canada.
Mar 2022	A More Flexible Bayesian Nonparametric Approach to Causal Mediation, *Eastern North American Region*, Houston, TX.
Dec 2021	A More Flexible Bayesian Nonparametric Approach to Causal Mediation, *US-KOREA Conference*, Los Angeles, CA.
Aug 2021	A More Flexible Bayesian Nonparametric Approach to Causal Mediation, *Joint Statistical Meeting*, Seattle, WA.
Jul 2021	A More Flexible Bayesian Nonparametric Approach to Causal Mediation, *International Society for Bayesian Analysis*, University of Connecticut, Storrs, CT.
Nov 2017	R package afttest for Checking Semiparametric Accelerated Failure Time Models afttest, *Korean Statistical Society Fall Meeting*, Seoul, Korea.

Contributed Poster

Oct 2021	A More Flexible Bayesian Nonparametric Approach to Causal Mediation, *Southern Regional Council on Statistics*, Jekyll Island, GA.
Aug 2020	R package afttest for Checking Semiparametric Accelerated Failure Time Models afttest with an Induced Smoothing Approach, *Joint Statistical Meeting*, Philadelphia, PA.

Honors and Awards

Honors and Awards

2017S – 2017F	Internal Scholarship (Merit-based Scholarship), **Yonsei University**
2013F – 2015S	Superiority Scholarship (Merit-based Scholarship), **Kyunghee University**

Travel Award

March 2022	College of Liberal Arts and Sciences (CLAS) at University of Florida for *Eastern North American Region*, Houston, TX.
December 2021	Korean-American Scientists and Engineers Association for *US-KOREA Conference*, Los Angeles, CA
October 2021	Boyd Harshbarger Travel Award (granted by NSF) for *Southern Regional Council on Statistics*

Professional Memberships

2021 – Present	Member, **The International Society for Bayesian Analysis**
2021 – Present	Member, **Eastern North American Region**
2020 – Present	Member, **American Statistical Association**
2017 – Present	Member, **International Biometrics Society**

Services

Military Service

Oct 2010 – July 2012   Capital Mechanized Infantry Division, Republic of Korea Army
- Served and honorably discharged from Korea Army