

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 <i>Dr. Michael Daniels</i>
Mar 2016 – Feb 2018	Yonsei University , Seoul, Korea M.A., Statistics under the supervision of <i>Dr. Sangwook Kang</i>
Mar 2009 – Feb 2016	Kyunghee University , Seoul, Korea B.S., Mathematics and B.E., Economics (Dual Degree)

Research Experience

Research Assistant

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

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, L^AT_EX

Publications

* : Co-first author

1. Choi, D.*, **Bae, W.*** and Kang, S. (2021+) Model Checking Methods for Semi-Parameteric Accelerated Failure Time Models.
2. **Bae, W.***, Choi, D.* and Kang, S. (2021+) R Package afttest for Checking Semiparametric Accelerated Failure Time Models with an Induced Smoothing Approach.

Presentation

Contributed Talk

- 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

- October 2021 Travel Award, *Southern Regional Council on Statistics*, Jekyll Island, GA, **SRCOS**
- August 2021 Travel Award, *Joint Statistical Meeting*, Seattle, WA, **University of Florida**
- August 2020 Travel Award, *Joint Statistical Meeting*, Philadelphia, PA, **University of Florida**
- 2017S – 2017F Internal Scholarship (Merit-based Scholarship), **Yonsei University**
- 2013F – 2015S Superiority Scholarship (Merit-based Scholarship), **Kyunghee University**

Assistantship

- May 2020 – Present Research Assistantship, **University of Florida**
- Aug 2018 – Apr 2020 Teaching Assistantship, **University of Florida**
- Sep 2016 – Feb 2018 Research Assistantship, **Yonsei University**
- Sep 2016 – Feb 2018 Teaching Assistantship, **Yonsei University**

Professional Memberships

- 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