

Contact Information

Department of Statistics, University of Florida
117D Griffin-Floyd Hall, Gainesville, FL 32611

Email: woojung.bae@ufl.edu

Education

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| 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 | Kyung Hee University , Seoul, Korea B.S., Mathematics and B.E., Economics (Dual Degree) |

Research Experience

Graduate Intern

May 2022 – Aug 2022 **Regeneron Pharmaceuticals Inc.**
Under the supervision of *Dr. Chenguang Wang*

Research Assistant

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| 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

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| 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

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

Research Interests

Bayesian Methodology, Casual Inference, Biostatistics, Survival Analysis, 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. (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.
- 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

- June 2022 Causal Mediation in Weight Management Trials using Bayesian Nonparametrics, *International Society for Bayesian Analysis*, Montreal, Canada.
- 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

Travel Award

- Jun 2022 International Society for Bayesian Analysis
for *International Society for Bayesian Analysis*, Montreal, Canada.
- Mar 2022 College of Liberal Arts and Sciences at University of Florida
for *Eastern North American Region*, Houston, TX.
- Dec 2021 UKC Fellow Award (Korean-American Scientists and Engineers Association)
for *US-KOREA Conference*, Los Angeles, CA
- Oct 2021 Boyd Harshbarger Travel Award (granted by NSF)
for *Southern Regional Council on Statistics*

Scholarship

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

Professional Memberships

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| 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

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| Oct 2010 – July 2012 | Capital Mechanized Infantry Division, Republic of Korea Army <ul style="list-style-type: none">• Served and honorably discharged from Korea Army |
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