

### Contact Information

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

Email: woojung.bae@ufl.edu

### Education

Aug2018– Present     **University of Florida**, Gainesville, FL  
Ph.D., Student, Statistics  
Mar2016– Feb2018     **Yonsei University**, Seoul, Korea  
M.A., Statistics (Advisors: *Dr. Sangwook Kang*)  
Mar2009– Feb2016     **Kyunghee University**, Seoul, Korea  
B.S., Mathematics and B.E., Economics (Dual Degree Program)

### Work Experience

#### Research Assistant

May2017– Feb2018     **Department of Applied Statistics, Yonsei University**  
Statistical inference and application of semiparametric quantile residual life models,  
*National Research Foundation of Korea*  
Supervisor: *Dr. Sangwook Kang*  
Sep2016– Apr2017     Efficient statistical inferences, computing and application of semiparametric accel-  
erated failure time models with induced smoothing, *National Research Foundation*  
*of Korea*  
Supervisor: *Dr. Sangwook Kang*

#### Military Service

Oct2010– Jul2012     Capital Mechanized Infantry Division, Republic of Korea Army  
• Served and honorably discharged from Korea Army

### Teaching Experience

#### Teaching Assistant

2019S, 2019S     **Department of Statistics, University of Florida**  
STA4322/STA5328 - Introduction to Statistics Theory  
2018F, 2019F     STA4321/STA5325 - Introduction to Probability  
2019SB     STA 2023 - Introduction to Statistics 1  
2019SA     STA 3032 - Engineering Statistics  
2016F– 2017F     **Department of Applied Statistics, Yonsei University**  
STA1001 - Introduction to Statistics  
2016F, 2017F     STA3108 - Survival Analysis  
2017S     STA3123 - Sampling Theory

### Research Interests

Bayesian Inference, Survival Analysis, Biomedical Data Analysis, Building a Software

# Computer Skills

Languages & Software   R, RCPP, SAS, MATLAB, L<sup>A</sup>T<sub>E</sub>X

# Publications

1. Choi, D., **Bae, W.** and Kang, S. (2020) Model Checking Methods for Semi-Parametric Accelerated Failure Time Models, *Statistics and Computing*, In preparation.
2. **Bae, W.**, Choi, D. and Kang, S. (2020) R Package afttest for Checking Semi-Parametric Accelerated Failure Time Models, *Journal of Statistical Software*, In preparation.

# Presentation

1. Statistical Method (student session), Semi-annual Korean Statistical Society Meeting, Yonsei University, Seoul, Korea, Nov 2017.

# Scholarships and Assistantships

## Scholarships

2017S– 2017F	Internal Scholarship (Merit-based Scholarship), <b>Yonsei University</b>
2013F– 2015S	Superiority Scholarship (Merit-based Scholarship), <b>Kyunghee University</b>

## Assistantship

2018F– Present	Teaching Assistantship, <b>University of Florida</b>
2017S– 2017F	Research Assistantship, <b>Yonsei University</b>
2016F– 2017F	Teaching Assistantship, <b>Yonsei University</b>