Curriculum Vitae

Yeo Jin Jung / jjung1089@gmail.com / Statistics Ph.D.

Interests

High-dimensional inference, Computational statistics, Functional data analysis

Education

Yonsei University   **Mar 2020 – Present**
Master of Arts in Statistics and Data Science   *Seoul, South Korea*
Total GPA of 4.21/4.30 **(98.2/100)**

Yonsei University   **Mar 2016 – Feb 2020**
Bachelor of Arts in Applied Statistics   *Seoul, South Korea*
Total GPA of 4.02/4.30 **(96.2/100)**

Awards and Honors

Excellent Paper at 2021 Brain Korea Academic Conference, Yonsei University   Fall 2021
Chief of National Information Society Agency Award, 2020 NIA Big Data Contest   Fall 2020
Graduate (Bachelor's-Master's Combined Program) Scholarships, Yonsei University   Mar 2020 – Jun 2021
Brain Korea 21 Scholarships, National Research Foundation of Korea   Fall 2020
Honors Scholarships, Yonsei University   Fall 2016, 2018, 2019
Semester Highest Honors, Yonsei University   Spring 2019
Semester Honors, Yonsei University   Spring 2016, 2018

Research Experience

Yonsei University   **Nov 2020 – Present**
Research Assistant

- Advised by Dr. Jaewoo Park (Yonsei University) and Dr. Hyun Bin Kang (Western Michigan University)
- Proposed a fast Bayesian spatio-temporal model including functional covariates with applications to epidemic datasets
- Developed this research into a paper, forming the basis for an oral presentation at a 2021 Brain Korea academic conference, along with a poster presentation at BERNOULLI-IMS 10th World Congress in Probability and Statistics

Yonsei University   **Aug 2020 – Present**
Research Assistant

- Advised by Dr. Jaewoo Park, Dr. Ick Hoon Jin (Yonsei University), Dr. Minjeong Jeon (UCLA)
- Adapted a method of using auto-logistic models from prior research to identify underlying network structures pertaining to the progression of depression symptoms
- Applied the model on a CES-D depression dataset of 306 patients using Bayesian inference and the Markov Chain Monte Carlo (MCMC) algorithm for computation

Publications

Kang H., Jung, Y., Park J., *Fast Bayesian Functional Regression for Non-Gaussian Spatial Data*, In revision for *Bayesian Analysis*

Presentations

Kang H., Jung, Y., Park J. "Fast Bayesian Functional Regression for Non-Gaussian Spatial Data". 2021 Brain Korea Academic Conference. October 15, 2021. Yonsei University, Seoul, Republic of Korea (Oral)

Kang H., Jung, Y., Park J. "Fast Bayesian Functional Regression for Non-Gaussian Spatial Data". **Bernoulli-IMS 10th World Congress in Probability and Statistics**. July 21, 2021. Seoul National University, Seoul, Republic of Korea (Poster)

Leadership and Extracurriculars

Statistical Consulting Center   **Sep 2021 – Present**
Consultant   *Yonsei University*

- Provided statistical advice on the appropriate use of data and analysis to researchers in the biomedical field
- Was recommended for a machine learning project at Gangnam Severance Hospital to develop a mortality scoring system for ICU patients, and is currently developing the work into a paper

Expanded Statistics Club   **Sep 2018 – Jun 2019**
Vice President, Project Team Leader   *Yonsei University*

- Covered advanced theories in *Bayesian Statistics, Dimension Reduction*, and *Statistical Machine Learning*
- Presented data-driven solutions with applications to real-world data using R and Python
- Led 30+ members to actively share statistical insights in an academic session each week

Hope Camp, Seocheon   **Jul 2017 – Dec 2018**
Camp Leader   *Seocheon County and Yonsei University*

- Led a student academic volunteer group giving guidance and motivation to high school students in Seocheon County as they prepared for the college entrance exam
- Arranged and managed educational and recreational programs throughout the camp

Language Proficiency

Fluent in English and Native in Korean
IBT TOEFL : **118/120**: 30/30/29/29 (R/L/S/W)
GRE General Test : **V 162** (90%)/ **Q 170** (96%)/ **W 4.0** (54%)

Programming Skills

Advanced R, Python **Moderate** SAS, MATLAB

References

Jaewoo Park
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Department of Applied Statistics   Phone: +82-10-1234-5678
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Ick Hoon Jin
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Hyun Bin Kang
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