

Yujin Park

Mobile: +82) 010-5103-5077

E-mail: yj.park@ewhain.net; yujin5077@naver.com

Education

Ph.D. in Statistics

Mar 2020 – Aug 2024

Ewha Womans University, Seoul, South Korea (Advisor: Jae Keun Yoo)

- Scholarship: Received scholarship for 3 semesters (Spring 2020, Fall 2020, Spring 2023)
- Expected graduation in August 2024

B.S. in Health Education and Management/ Statistics

Mar 2017 – Feb 2020

Ewha Womans University, Seoul, South Korea

Research Experience

Dimension Reduction Research Group in Ewha

Sep 2020 - Aug 2024

Graduate Research Assistant

Advisor: Jae Keun Yoo

- Developed a mixed Sufficient Dimension Reduction Methods
- Studied on the utilization of unstructured economic data using noise filtering and Sufficient Dimension Reduction (by Bank of Korea)
- Conducted the statistical survey and evaluated for the 2021 Ewha core competence assessment

Transportation Systems Innovation Lab | University of Windsor, Windsor, Canada Jul 2022 - Jan 2023

Visiting Research Student

Advisor: Chris Lee

- Analyzed the driving trajectories and biometric signals of human drivers

Department of Pediatrics | Seoul National University Hospital, Seoul, South Korea Apr 2020 - Dec 2020

Research Assistant

PI: Jung Min Ko

- Investigated and collected information on medical records (registrants) for special cases diagnosed and registered by each medical institution
- Pre-processed the metadata of administrative data in 2019 and calculated basic statistics
- Established quality management strategies for each basic element of national approval statistics

Publications

Jae Keun Yoo, **Yujin Park** and Beomseok Seo. (2024). Using noise filtering and sufficient dimension reduction method on unstructured economic data. The Korean Journal of Applied Statistics.

Yujin Park, Kyongwon Kim, and Jae Keun Yoo. (2022). On cross-distance selection algorithm for hybrid sufficient dimension reduction. Computational Statistics & Data Analysis.

Yujin Park, Yoonhee Choi, Kyongwon Kim, and Jae Keun Yoo. (2022). Machine learning approach for study on subway passenger flow. Scientific Reports.

Extra Curricular Activities

Member

2017

HEWA('Happy Ewha Without Alcohol') club

- Supported by the Ministry of Health and Welfare and the Korea Public Health Association

- Aiming to achieve a healthy drinking culture on campus and develop rules and regulations which prevent alcohol-induced harm

Awards

Best Thesis Award (Ewha Womans University)	2024
Graduate Student Paper Presentation Paper Award (The Korean Statistical Society) <i>Encouragement Award</i>	2023
Competition Award (NH Investment & Securities) <i>Participation Award in customer clustering</i>	2021