

# Yujin Park

Mobile: +82) 010-5103-5077

E-mail: [yj.park@ewhain.net](mailto:yj.park@ewhain.net); [yujin5077@naver.com](mailto:yujin5077@naver.com)

## Education

### Ph.D. in Statistics

Mar 2020 - Present

*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 - Present

*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**

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**Competition Award** (NH Investment & Securities) **2021**

*Participation Award in customer clustering*

**Graduate Student Paper Presentation Paper Award** (The Korean Statistical Society) **2023**

*Encouragement Award*