

Sungwoo Park

M.S. Student in Uncertainty Quantification Lab @ SNU

✉ park.sw@snu.ac.kr 🏠 Seoul, South Korea [in/cos18](https://www.linkedin.com/in/cos18) github.com/cos18

Interests

How can we trust predictions from complex machine learning models? I'm interested in addressing this question at the intersection of **statistics and machine learning**, with focus on uncertainty quantification, distribution-free inference, and resampling-based approaches. My interests span conformal prediction, bootstrap methods, and other techniques that provide rigorous guarantees without restrictive assumptions.

Experience

Research Assistant ([Uncertainty Quantification Lab @ SNU](#)) **Seoul, South Korea** *Jun 2025 - Present*
Advised by Prof. Won Chang

- Statistical analysis on TabPFN, a tabular data foundation model

Undergraduate Research Assistant ([Sungkyunkwan Univ.](#)) **Seoul, South Korea** *Jul 2023, Feb 2024 - Jun 2024*
Advised by Prof. Young-Geun Choi

- Estimators for PU (Positive-Unlabeled) Learning and their consistency
- Converted teaching resources from R to Python

Trainee ([SW Maestro](#)) **Seoul, South Korea** *Apr 2019 - Dec 2019*
10th Software Maestro trainee, developed yoga posture correction application 'Somathealth'

- Developed RestAPI video server based on Django
- Built ML pipeline

Education

Seoul National University **Seoul, South Korea** *Mar 2025 - Present*
M.S. in Statistics

- Relevant Courses: Deep Learning: Statistical Perspective, Probability 1 & 2

Sungkyunkwan University **Seoul, South Korea** *Mar 2018 - Feb 2025*
B.S. in Computer Education and Mathematics Education

- Relevant Courses: Probability and Statistics I, II, Multivariate Statistical Analysis, Artificial Intelligence, Linear Algebra, Analysis
- Obtained Public Teacher Certificates in Computer Science Education and Mathematics Education

Teaching

- F32.102 Statistics, Teaching Assistant (2025 Summer)
- F32.102L Statistics Lab, Teaching Assistant (2025 Spring, Summer)

Skills

- **Data Analysis & Visualization:** Pandas, Numpy, Matplotlib
- **Machine Learning & Deep Learning:** Pytorch, Scikit-learn, Tensorflow
- **Programming:** Python, R, C/C++, Javascript, AWS, Linux
- **Language:** Korean(Native), English(Intermediate High)

External Activities

Republic of Korea Army Military Service	<i>Sep 2021 - Mar 2023</i>
Yari-content-ko Organizer <i>Mozilla Developer Network</i> Responsible for reviewing Korean translated docs on MDN	<i>Apr 2021 - May 2024</i>
Member <i>42 Seoul</i> Ecole 42 educational program, a future-proof CS training to educate the next generation of software engineers	<i>Jan 2020 - Dec 2023</i>
Head of Education <i>Likelion SKKU</i> Educated non-majors with basic CS knowledge (Network, Linux, etc.) and Django stack to quickly realize their project ideas	<i>Mar 2018 - Feb 2020</i>