

Soobin Kim

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EDUCATION

Seoul National University

MAR. 2020 - FEB. 2022

M.S. in Statistics

SEOUL, KOREA

Multiscale Methods in Statistics Lab, Advisor: Prof. Hee-Seok Oh

- Thesis: Principal Component Analysis of Amplitude and Phase Variations in Multivariate Functional Data

Seoul National University

MAR. 2015 - FEB. 2020

B.S. in Statistics & B.A. in Sociology, *cum laude*

SEOUL, KOREA

RESEARCH INTEREST

Statistical Methodology, Functional Data Analysis, Non-Euclidean Data Analysis, High-Dimensional Data Analysis

RESEARCH EXPERIENCE

Multiscale Methods in Statistics Lab, Seoul National University

SEPT. 2020 - AUG. 2022

Master's Student, Post-master Researcher

SEOUL, KOREA

Advisor: Prof. Hee-Seok Oh

- Multivariate amplitude-phase Functional Principal Component Analysis and application to Korean sea climate data
- Functional decomposition and regression with two-way functional data from semiconductor manufacture industry

WORK EXPERIENCE

Joongmin Foundation

JUNE 2020 - NOV. 2020

Research Assistant

SEOUL, KOREA

Advisor: Prof. Sang-Jin Han

- Statistical analysis of a survey on the social impact of COVID-19, presentation at press conference ([link](#))

SK Hynix

DEC. 2019 - FEB. 2020

Data Scientist Intern

ICHEON, KOREA

- Change point detection using Multivariate Likelihood Ratio Test Control Chart in Fault Detection and Classification (FDC) data

LINE Corporation

SEPT. 2017 - DEC. 2017

Market Research Assistant

SEONGNAM, KOREA

- Market research for overseas business, including market analysis, market forecast, competitors' analysis, etc.
- Language translation between English, Chinese and Korean

PRESENTATION

Bernoulli-IMS 10th World Congress in Probability and Statistics

JULY 2021

Poster Session

- Topic: Principal Component Analysis of Amplitude and Phase Variation in Multivariate Functional Data

TEACHING EXPERIENCE

Statistics Lab.

FALL 2021, SPRING 2021, FALL 2020

Teaching Assistant, Seoul National University

Learning Data Science with R

AUG. 2021

Teaching Assistant, SNU Statistical Research Institute

- Lab sessions on EDA and hypothesis testing

AWARDS AND HONORS

Best Presentation Award, Internship project presentation, *SK Hynix*

FEB. 2020

Fourth Place, Field research presentation of "SNU in Beijing" program, *Seoul National University*

AUG. 2017

SKILLS

Programming Proficient in R, Julia, Python, L^AT_EX

Experience in SPSS, Stata

Language Korean (Native), English (Fluent), Chinese (Conversational)