

# Soobin Kim

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## EDUCATION

**University of California, Davis****Ph.D. in Statistics**

TBD

SEPT. 2022 - PRESENT

DAVIS, CA

**Seoul National University****M.S. in Statistics**

MAR. 2020 - FEB. 2022

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

MAR. 2015 - FEB. 2020

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****Master's Student, Post-master Researcher***Advisor: Prof. Hee-Seok Oh*

SEPT. 2020 - AUG. 2022

SEOUL, KOREA

- 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****Research Assistant***Advisor: Prof. Sang-Jin Han*

JUNE 2020 - NOV. 2020

SEOUL, KOREA

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

**SK Hynix****Data Scientist Intern**

DEC. 2019 - FEB. 2020

ICHEON, KOREA

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

**LINE Corporation****Market Research Assistant**

SEPT. 2017 - DEC. 2017

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 10<sup>th</sup> 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.****Teaching Assistant**, Seoul National University

FALL 2021, SPRING 2021, FALL 2020

**Learning Data Science with R****Teaching Assistant**, SNU Statistical Research Institute

AUG. 2021

- Lab sessions on EDA and hypothesis testing

FELLOWSHIPS AND AWARDS

<b>The Korean Government Scholarship Program for Study Overseas</b> , \$40,000/yr	2022 - 2024
<b>Best Presentation Award</b> , Internship project presentation, <i>SK Hynix</i>	FEB. 2020
<b>Fourth Place</b> , Field research presentation of "SNU in Beijing" program, <i>Seoul National University</i>	AUG. 2017

SKILLS

<b>Programming</b>	Proficient in R, Julia, Python, L <sup>A</sup> T <sub>E</sub> X
	Experience in SPSS, Stata
<b>Language</b>	Korean (Native), English (Fluent), Chinese (Conversational)