

SungHee Park

Florida State University
Department of Statistics
201E OSB building
Tallahassee, FL 32304

Phone: (850) 242-6002
Email: sp17s@my.fsu.edu

Education

Ph.D. Candidate in Statistics (Advisor: Xin “Henry” Zhang), Florida State University, 2017-2022.

M.A. in Statistics (Advisor: Kwan-Jeh Lee), Dongguk University, 2016.

Dissertation: A study on dimension reduction and visualization
using Correspondence Analysis in Categorical Data

B.S. in Statistics, Dongguk University, 2014.

Student Representative, 2013

Research interest

Dimension Reduction

Tensor Data Analysis

Multimodal Integration

Applications: Medical Imaging, Bio-mechanics

Dimension Reduction on Categorical Data

Research

Multimodal Integrative Dimension Reduction and Statistical Modeling with Applications to Temporomandibular Joint (TMJ) Morphometry and Biomechanics (supported by National Institutes of Health(NIH), 1R03 DE030509-01), June 2021 -

Envelope Block-wise Imputation with Applications to Genomic Data Integration, July 2020 - April 2021

Spline transformation in Envelope models, September 2019 - April 2020

Teaching Experience

Instructor, Statistics through Example (STA1013–11 & 12), Florida State University, Spring 2022.

Instructor, Statistics through Example (STA1013–01 & 02), Florida State University, Fall 2021.

Senior Grader, Fundamental Business Statistics (STA2023–14 & 15), Florida State University, Fall 2020.

Instructor, Statistics through Example (STA1013–04 & 07), Florida State University, Fall 2019.

Teaching Assistant, Programming and Lab I, Dongguk University, Fall 2015.

Subjects: SAS/IML and SAS/SQL

Teaching Assistant, Statistical Consulting and Modeling I, Dongguk University, Spring 2015.

Subjects: ANOVA, regression using R and SAS

Teaching Assistant, Statistical Consulting and Modeling II, Dongguk University, Spring 2014.

Subjects: Data mining methods(Decision Tree, Naive Bayes, Support Vector Machine, Ensemble, Random Forest) and Text Classification using R

Presentations

JSM 2020, Virtual, August 4th, 2020

Topic: Spline transformation in Envelope models

KSS Spring Conference, Kangwon National University, May 24th, 2019

Topic: Transformed dimension reduction methods for multivariate data

Awards and Honors

Best First Year Student Award in Computational Statistics, Florida State University, 2018

Highest Standing Award of the 2nd Paper Competition using Korean Working Condition Survey data, Occupational Safety and Health Research Institute, Korea Occupational Safety and Health Agency, Ulsan, Korea (2015)

Topic: Analysis of KWCS data using Correspondence Analysis

Dean's List, Dongguk University, Korea (3 semesters during undergraduate years)

Computer Skills

Statistical Packages: R (advanced level), Matlab (advanced level), Python (advanced level), SAS (advanced level)

Programming Language: C/C++ (Novice-High Level)

Software

Lee, Kwan.-J., **Park, Sung.-H.**, Ha, Yi.-Y., Kim, Hye.-W., Lee, So.-H., Joo, Hae.-J. (2016). CAPI(computer assisted personal interviewing) System using Blaise(C-2016-006139). Korea Copyright Commission (Copyright link: https://www.cros.or.kr/report/registerview.cc?reg_kind=S&separate=integrate&sys_id=G000680833)