Korea-Japan Joint Symposium of Statistics and Data Science 2024
(Dedicated to Professor Wakimoto)

Sungshin Women's University
November 1 - November 2, 2024

- It is held jointly with Sungshin Women's University and Tokyo University of Science.
- It is supported by Wakimoto Memorial Fund, Data Science Plus Program (Grant No. NRF-2022M3J6A1063595) and SNU Global-LAMP (Grant No. RS-2023-00301976).

2024/11/1(Fri.)

♦ 13:00-13:10 Opening
Seong-Keon Lee (Sungshin Women's University)

♦ 13:10-13:20 Wakimoto Memorial Fund: The History from 1994 to 2024
Myung-Hoe Huh (Korea University)

<Session 1> Chair : Dongha Kim
♦ 13:20-13:45
High-Dimensional Sparse Covariance Regression via SCAD Penalized Estimation
Jinju Kim*, Seongoh Park, Kwan-Young Bak (Sungshin Women's University)

♦ 13:45-14:10
Two-dimensional index for quasi-symmetry in square contingency tables with nominal categories
Shoseki Eto*, Kento Egashira, Kouji Tahata (Tokyo University of Science)

♦ 14:10-14:35
Sparse sufficient dimension reduction via penalized gradient learning for composite quantiles
Seogyoung Lee*, Seung Jun Shin (Korea University)

♦ 14:35-15:00
Trimmed Yuen and Nonparametric statistics for two-stage design
Kenji Nitta*, Hidetoshi Murakami (Tokyo University of Science)

♦ 15:00-15:20
Coffee break

<Session 2> Chair : Hidetoshi Murakami
♦ 15:20-15:45
ALTBI: Constructing Improved Outlier Detection Models via Optimization of Inlier-Memorization Effect
Seoyoung Cho*, Jaesung Hwang, Kwan-Young Bak, Dongha Kim (Sungshin Women's University)

♦ 15:45-16:10
Goodness-of-Fit Test for the Three-Parameter Lognormal Distribution
Sato Yuta*, Hidetoshi Murakami (Tokyo University of Science)

♦ 16:10-16:35
Discovering Causal Structures in Privacy-Protected Data: Frugality in Anchored Gaussian DAG Models
Junhyoung Chung*, Joonho Shin, Seyong Hwang, Gunwoong Park (Seoul National University)

♦ 16:35-17:00
Hypothesis testing for the first principal component using the distribution of the sample correlation coefficient
Akihiro Kaneko*, Hashiguchi Hiroki (Tokyo University of Science)

♦ 18:00 ~ Banquet
Traditional Korean Restaurant(https://maps.app.goo.gl/bfbgpCJ91ZPCN6EdA)

2024/11/2(Sat.)

<Session 3> Chair : Seongoh Park
♦ 13:00-13:25
A semi-supervised learning framework using data augmentation with masked autoencoders
Jihye Lee*, Dongha Kim (Sungshin Women's University)

♦ 13:25-13:50
On the Marida's kurtosis under the multivariate normality
Eri Kurita*, Hashiguchi Hiroki (Tokyo University of Science)

♦ 13:50-14:15
A Study on Recommendation Systems Based on Dynamic GNN
Suji Lee*, Hohyun Jung (Sungshin Women's University)

♦ 14:15-14:40
Decomposition of independence model and partition of its test statistic for two-way intraclass contingency tables with ordered categories
Naoki Nakada*, Hikaru Yamaguchi, Kouji Tahata, Sadao Tomizawa (Tokyo University of Science)

♦ 14:40-15:00
Coffee break

<Session 4> Chair : Takeshi Kurosawa

♦ 15:00-15:25
Generalized cross validation for cell lines specific gene network analysis
Jooee Oh*, Heewon Park (Sungshin Women's University)

♦ 15:25-15:50
A bias correction of partial-error in variables in a Poisson regression model
Kentarou Wada*, Takeshi Kurosawa (Tokyo University of Science)

♦ 15:50-16:15
Meta-Learners for Causal Inference: A Simulation-Based Review of CATE Estimation Techniques
Seoyeon Kim*, Kwan-Young Bak (Sungshin Women's University)

♦ 16:15-16:40
An Analysis on Suicidal Ideation Detection Using Transformer Based Approach and Deep Learning
Tanzina Nizam*, Kyupil Yeon (Hoseo University)

♦ 17:30 ~ Dinner
Korean style BBQ Restaurant(https://maps.app.goo.gl/hPH79acVifG1QK9bA)