YUNJEONG LEE

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LinkedIn Profile 🔗

RESEARCH INTEREST

Mathematical Biology, Applied Mathematics, Optimization, Scientific Computing

EDUCATION

PH.D. Computational Science and Engineering – Mathematics | Yonsei University, South Korea
2016 – 2021 (EXPECTED)

M.SC. Computational Science and Engineering - Mathematics | Yonsei University, South Korea
2014 – 2016

B.SC. Mathematics | Yonsei University, South Korea
2009 – 2014

PUBLICATIONS AND PREPRINTS

Hierarchical mixed-effects model for HIV dynamics | Submitted to SIAM J. Appl. Math (2020)
Yunjeong Lee, Yoon-gu Hwang, Hee-Dae Kwon, Jun Yong Choi, Jeehyun Lee

Estimation of the time-dependent reproduction number of Influenza A(H1N1) 2009 in South Korea | Submitted to Emerging Infectious Disease (2020)
Yunjeong Lee, Dong Han Lee, Hee-Dae Kwon, Changsoo Kim, Jeehyun Lee

PRESENTATIONS

Classification of MERS patients by using k-Nearest neighbor | Korean Society for Industrial and Applied Mathematics 2015 Annual Meeting
November 20-22, 2015, Busan, South Korea

k-Nearest neighbor algorithm and its variations | 2016 Korean Women in Mathematical Sciences International Conference
June 30-July 1, 2016, Seoul, South Korea

Parameter analysis of human immunodeficiency virus model | 2017 Korean Society for Industrial and Applied Mathematics Annual Meeting
November 3-5, 2017, Busan, South Korea

Uncertainty quantification of HIV dynamics using hierarchical models | 2018 Annual meeting of the Society for Mathematical Biology & the Japanese Society for Mathematical Biology
July 8-12, 2018, Sydney, Australia

A mixed effect model for HIV dynamics | 2019 Annual Conference of Korea Society for Mathematical Biology
June 20-22, 2019, Jeju, South Korea

Estimation of the Reproduction Number of Influenza A(H1N1)pdm09 in South Korea Using Heterogeneous Models | Korean Society for Industrial and Applied Mathematics 2020 Annual Meeting
November 12-15, 2020, Jeju, South Korea

TEACHING

Teaching assistant
NUMERICAL ANALYSIS I (SEP, 2018 – DEC, 2018)
Yonsei University, South Korea

COMPUTER SKILLS

- MATLAB
- Python
- R
- LaTex

LANGUAGE

- Advanced level in English
- Native proficiency in Korean
- Pre-intermediate level in Japanese