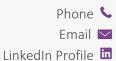
YUNJEONG

LEE





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 assistantNUMERICAL 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