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| Yunjeong  lee | Phone  Email  LinkedIn Profile |

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|  | **Research interest** |

Mathematical Biology, Applied Mathematics, Optimization, Scientific Computing

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|  | 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

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|  | 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

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|  | presentations |

## k-Nearest neighbor algorithm and its variations | 2016 Korean Women in Mathematical Sciences International Conference

June 30-July 1, 2016, Seoul, 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

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|  | TEACHING |

## Teaching assistant

### Numerical analysis I (SEp, 2018 – Dec, 2018)

Yonsei University, South Korea

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| --- | --- |
|  | Computer Skills |

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| * MATLAB * Python | * R * LaTex |

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|  | Language |

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