

CURRICULUM VITAE

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EDUCATION

Yonsei University

Master of Arts in Statistics and Data Science
Total GPA of 4.12/4.30

Sep 2020 – Present

Seoul, South Korea

Yonsei University

Bachelor of Arts in Philosophy, Applied Statistics
Total GPA of 3.71/4.30

Mar 2016 – Feb 2020

Seoul, South Korea

University of Copenhagen

Exchange student

Feb 2018 – June 2018

Copenhagen, Denmark

AWARDS AND HONORS

4th Place Paper at the 2022 KSS Winter Conference (Poster, out of 92 papers)

Winter 2022

3rd Place Paper at the 1st Korean Beef Supply and Demand Prediction Contest,

Fall 2021

Ministry of Agriculture, Food and Rural Affairs

Excellence Award, 2021 Yonsei Big Data Contest

Fall 2021

Brain Korea 21 Scholarships, National Research Foundation of Korea

Spring 2021, 2022, Fall 2021

RESEARCH EXPERIENCE

Yonsei University

Research Assistant

Sep 2020 – Present

- Advised by Dr. Jongho Im (Yonsei University)
- Aimed to develop a calibration-based resampling method designed for classification of imbalanced data, based on the RnR (Raking & Relabeling)¹ method
- Finalizing manuscript for submission
- Poster presentation in 2022 KSS Winter Conference (4th Place Prize)
- Oral presentation in 2022 Brain Korea Academic Conference

Yonsei University, KISDI(Korea Information Society Development Institute) Oct 2020 – April 2022

Research Assistant, Team Leader

- Advised by Dr. Jongho Im (Yonsei University), worked as a team with 3 fellow lab students
- First project (Oct 2020 – March 2021) aimed to construct an ICT industry news sentiment index that shows and predicts the economic trend of the Korean ICT industry, using BERT
- Second project (July 2021 – April 2022) aimed to develop the previously made index so that it is robust enough and also predicts the economic trend of the Korean ICT industry better, using KoBERT, image clustering techniques (VGG16, k-means clustering), and Multi-Criteria Decision Analysis (MCDA)
- Result of the second project is shown at: <https://stat.kisdi.re.kr/kor/motionChart/ictNewsChart.html>
- Finalizing manuscript for submission

WORKING PAPERS (FINALIZING)

D. E. Min, H. H. Lee, J. H. Im. *A Calibration-based Resampling Approach for Binary Imbalanced Classification.*

D. E. Min, N. Kang, Y. H. Cho, J. Y. Choi, J. H. Im. *A Deep-learning Approach for Economic Index Construction in the ICT industry: A Case Study of Korea.*

PRESENTATIONS

D.E. Min, H.H. Lee, J.H. Im. "A Resampling Approach for Binary Imbalanced Classification". 2022 Korean Statistical Society (KSS) Winter Conference. December 2, 2022. Jeju, South Korea (Poster)

D.E. Min, H.H. Lee, J.H. Im. "A Calibration-based Resampling Approach for Binary Imbalanced Classification". 2022 Brain Korea Academic Conference. December 22, 2022. Yonsei University, Seoul, South Korea (Oral)

EXTRACURRICULARS

Data Science Lab

Mar 2019 – Aug 2020

Project Team Leader

Yonsei University

- Led academic project sessions covering *Machine Learning*, *Natural Language Processing*, and *Recommender Systems*
- Presented data-driven solutions with applications to real-world data using Python with TensorFlow, PyTorch

PROGRAMMING SKILLS

Advanced Python, R (Rcpp), L^AT_EX **Basic** HTML, CSS, JavaScript

LANGUAGE PROFICIENCY

Fluent in English and Native in Korean

IBT TOEFL : **115/120**: 30/28/29/28 (R/L/S/W)

GRE General: **162/165/4.0** (V/Q/W)

TOEIC : **990/990**

REFERENCES

Jongho Im

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Department of Applied Statistics

Yonsei University

Email: ijh38@yonsei.ac.kr

Hyunjoong Kim

Professor

Department of Applied Statistics

Yonsei University

Email: hkim@yonsei.ac.kr

Won Yong Shin

Assistant Professor

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