Suyeong Park

suyeong.park0@gmail.com | github.com/euphoria0-0 | portfolio

Career Interest

My career interests are mainly on making **Trustworthy AI** for real-world applications using collaborations of information in data and knowledge from human beings. I believe 'understanding an intrinsic attributes of things and their interactions using our knowledge' is crucial for deploying ML models for better human-being life in real-world. Thus, I'm interested in identifying **Causality** for making data & model analysis more reliable.

Education

Ulsan National Institute of Science and Technology (UNIST) — Ulsan, Korea
Master of Science in Artificial Intelligence — *Aug. 2020 – Aug. 2022*
GPA: 4.15/4.3
Advisor: Prof. Kwang In Kim and Prof. Namhoon Lee
Relevant Coursework: Causal Learning & Explainable AI, Reinforcement Learning, Advanced Machine Learning Topics

University of Seoul — Seoul, Korea
Bachelor of Science in Statistics and Data Science — *Mar. 2015 – Feb. 2020*
GPA: 3.7/4.5
Relevant Coursework: Bayesian Statistics, Machine Learning, Deep Learning, Time Series Analysis, Multivariate Statistics, Statistical Computing, Linear Algebra, Probability Theory, Mathematical Statistics

Experience

Research Intern, *Lunit* — Jan. 2023 - Present
Bayesian Optimization for AutoML — *Seoul, Korea*

Visiting Researcher, *CausalML Lab@Purdue University* — Jul. 2022 - Aug. 2022
Bayesian Causal Discovery — *West Lafayette, US*

Research Assistant, *MLV Lab@UNIST* — Aug. 2020 – Aug. 2022
Bayesian Active Learning, Federated learning, Transfer learning, Image Attribute Estimation — *Ulsan, Korea*

Data Analyst and Engineer Intern, *Seoul Big Data Campus* — Mar. 2020 - Jun. 2020
Citizen Movement and Consumption Behaviour analysis around Seoul city — *Seoul, Korea*

Data Analyst Intern, *FSC* — Sep. 2019 - Feb. 2020
Data analysis with financial public data — *Seoul, Korea*

Publication

Active Deep Learning Guided by Efficient Gaussian Process Surrogates [preprint]
Y. Ahn, **S. Park***, K. Kim., arxiv preprint, 2022*

Active Client Selection for Communication-efficient Federated Learning [link]
***S. Park**, Master's Thesis, 2022*

Bayesian Optimization Meets Self-Distillation [preprint]
*H. Lee, H. Song, H. Lee, G. Lee, **S. Park**, D. Yoo., In Submission, 2023*

Projects

Bayesian Optimization for Hyper-Parameter Optimization toward AutoML Jan. 2023 – Present

Visual Common Sense Through Self-supervised Learning for Restoration of Invisible Parts in Image April. 2021 – Aug. 2022

Causal Learning with Artificial Intelligence for genome dataset Mar. 2021 – Dec. 2021

Citizen Movement and Consumption Behaviour analysis around Seoul city Apr. 2020 – Jun. 2020

Data analysis with financial public data Jan. 2020 – Feb. 2020

Technical Skills

Languages: Python, R, SQL
Frameworks: PyTorch, TensorFlow, Scipy, numpy, pandas, statsmodel, Matplotlib, wandb, optuna, mmlab
Others: Git, Docker, PyCharm, VSCode, QGIS, Tableau, SAS

Last Updated: July 11, 2023