Suyeong Park

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RESEARCH INTEREST

My research interests are mainly on making more **Trustworthy AI** tech using collaborations of information in data and knowledge from human beings. I believe 'understanding an intrinsic attributes of things using our knowledge' is crucial for deploying ML models for better human-being life in a real-world. Thus, I'm interested in identifying **Causality** of things from our data for reliable AI while overcoming the limitations of ML.

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 Hyperparameter tuning in AutoML team — *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
active learning, transfer learning, federated 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]
S. Park*, Y. Ahn*, K. Kim., In Submission, 2022

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

PROJECTS

Bayesian Optimization Hyperparameter tuning — 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, seaborn, wandb, optuna
Others: Git, Docker, PyCharm, VSCode, QGIS, Tableau, SAS