Suyeong Park

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github.com/euphoria0-0

Research Interest

My research interests are mainly on making more trustworthy AI using collaborations of information in data and knowledge from human being. I mainly focused on estimating uncertainty on Bayesian approach, especially 'what information we need between **representativity and uncertainty** for better ML model'. Currently, 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 currently interested in identifying **CAUSALITY** of things from our data for explainable AI while overcoming the limitations of typical 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
Thesis: Active Client Selection for Communication-efficient Federated Learning [Link]
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

Visiting Researcher Jul. 2022 - Aug. 2022
Purdue University *West Lafayette, US*
- Research Project: Bayesian Causal Discovery

Research Assistant Aug. 2020 – Present
Machine Learning and Vision Lab, UNIST *Ulsan, Korea*
- Research Projects: active learning, transfer learning, federated learning, image attribute estimation

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

Intern, Data Analyst Assistant Sep. 2019 - Feb. 2020
FSC (Financial Services Commission) *Seoul, Korea*
- Projects: Data analysis using financial public data

Publication

S. Park, Y. Ahn, K. Kim. **Blind** (keyword: Deep Active Learning, Bayesian) In Submission., 2022

Projects

Visual Common Sense Through Self-supervised Learning for Restoration of Invisible Parts in Image April 2021 – Present
Causal Learning with Artificial Intelligence Mar. 2021 – Dec. 2021

Technical Skills

Languages: Python, R, SQL (MySQL)
Tools: PyTorch, TensorFlow, Git, Docker, PyCharm, VSCode
Others: QGIS, Tableau, SAS

Last Updated: September 14, 2022