Saeed Ghoorchian

RESEARCH ASSISTANT

Education

Ph.D. Machine Learning, Technische Universität Berlin, Berlin

2018 — PRESENT

M.Sc. Applied Mathematics, Universität Hamburg, Hamburg

2015 — 2017

B.Sc. Pure Mathematics, Iran University of Science and Technology, Tehran

2009 — 2014

Experiences

Research Assistant, Technische Universität Berlin, Berlin

2018 — PRESENT

Developing frameworks and algorithms to model and solve online learning problems with partial feedback in dynamic environments with various characteristics, such as hidden features, causal relations, costly features, and high-dimensional features.

Teaching Assistant, Eberhard-Karls-Universität Tübingen, Tübingen

2021 — 2022

Introduction to Game Theory with Application in Multi-Agent Systems.

Supervision, Technische Universität Berlin, Berlin

2021 — PRESENT

Supervising bachelor and master students to design learning algorithms.

Guest Researcher, Technische Universität Hamburg, Hamburg

2017 — 2018

Kernelized principal component analysis and support vector machines for modelling systems of high complexity.

Publications

[1] Ghoorchian, S. and Maghsudi, S., "Multi-Armed Bandit for Energy-Efficient and Delay-Sensitive Edge Computing in Dynamic Networks with Uncertainty", 2020, IEEE Transactions on Cognitive Communications and Networking.

[2] Atan, O., Ghoorchian, S., Maghsudi, S., van der Schaar, M., "Data-Driven Online Recommender Systems with Costly Information Acquisition", 2021, IEEE Transactions on Services Computing.

[3] Ghoorchian, S. and Maghsudi, S., "Bayesian Linear Bandits for Large-Scale Recommender Systems", 2022, submitted to IEEE International Symposium on Information Theory.

[4] *Nourani Koliji, B., *Ghoorchian, S., Maghsudi, S., "Linear Combinatorial Semi-Bandit with Causally Related Rewards", 2022, submitted to International Joint Conference on Artificial Intelligence.

[5] Ghoorchian, S. and Maghsudi, S., "Non-stationary Contextual Multi-Armed Bandit with Costly Features", in progress.

Details

Lynarstraße 5
Berlin, 13353
Germany
017620223697
saeed.ghoorchian@tu-berlin.de

Links

LinkedIn

GitHub

Google Scholar

Skills

Python, Matlab.

Pytorch, Keras, Tensorflow, Pandas, Matplotlib.

Machine learning, multi-armed bandits, reinforcement learning, recommender systems.

Mathematical modelling, optimization, statistics, probability, data analysis.

Languages

English

Persian

German