Alexia Atsidakou

Department of Electrical & Computer Engineering
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Research interests

Online Machine Learning, Statistical Optimization, Algorithms, Multi-Armed Bandits.

Education

University of Texas at Austin Austin, TX
PhD Candidate in Electrical and Computer Engineering 2020 – Today
Supervisors: Constantine Caramanis, Sujay Sanghavi

National Technical University of Athens Athens, Greece
BSc in Electrical and Computer Engineering 2014 – 2019
Supervisor: Georgios Stamou
GPA: 9.46/10

Professional Experience

Amazon Science Palo Alto, CA
Applied Scientist Intern 2022
Supervisors: Branislav Kveton, Sumeet Katariya

National Center for Scientific Research "Demokritos" Athens, Greece
Research Intern 2019 - 2020
Supervisor: Alexander Artikis

Publications

Finite-Time Logarithmic Bayes Regret for Thompson Sampling
with B. Kveton, S. Katarya, S. Sanghavi, C. Caramanis.
arXiv pre-print.

Bayesian Fixed-Budget Best-Arm Identification
with S. Katarya, S. Sanghavi, B. Kveton.
arXiv pre-print.

Contextual Pandora's Box
with E. Gergatsouli, O. Papadigennopoulos, C. Caramanis, C. Tzamos.
AAAI Conference on Artificial Intelligence (AAAI) 2024.

Finite-Time Logarithmic Bayes Regret Upper Bounds
with B. Kveton, S. Katarya, S. Sanghavi, C. Caramanis.
Conference on Neural Information Processing Systems (NeurIPS) 2023.

Asymptotically-Optimal Gaussian Bandits with Side Observations
with O. Papadigennopoulos, C. Caramanis, S. Sanghavi, S. Shakkottai.
International Conference of Machine Learning (ICML) 2022.

Towards Statistical and Computational Complexities of Polyak Step Size Gradient Descent
with F. Cui, T. Ren, S. Sanghavi, N. Ho.
Artificial Intelligence and Statistics (AISTATS) 2022.

Combinatorial Blocking Bandits with Stochastic Delays
with O. Papadigennopoulos, S. Basu, C. Caramanis, S. Shakkottai.
International Conference of Machine Learning (ICML) 2021.

Parallel Model Exploration for Tumor Treatment Simulations
with C. Akasiadis, M.P.D. Leon, A. Montagud, E. Michelioudakis, E. Alevizos,
A. Artikis, A. Valencia, G. Paliouras.
Computational Intelligence Journal 2021.

Skills	Python, C/C++, R, MATLAB, Java, Scikit-Learn, TensorFlow, NumPy, Pandas.

Awards

Onassis Foundation Scholarship 2023
For the academic year 2023-2024.

Leventis Foundation Scholarship 2023
For the academic year 2023-2024.

Cadence "Women in Technology" Award 2021
Distinction between women in technological fields.

Gerondelis Foundation Scholarship 2021
Scholarship for the academic year 2021-2022.

Cockrell School of Engineering Award 2020
Awarded to students in engineering departments of UT Austin.

Google HashCode Programming Competition 2018
1st place in Greece.

Eurobank Undergraduate Grant 2014
For the highest score in the university entrance exams in high school.