Konstantinos (Kostas) Stavropoulos

University of Texas at Austin   Cell: +1 (737) 288-5750
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2317 Speedway, Austin, TX, USA

RESEARCH INTERESTS

Machine Learning, Theoretical Computer Science

EDUCATION

University of Texas at Austin   2021 –
Ph.D. student, Computer Science
Advisor: Adam Klivans

National Technical University of Athens (NTUA)   2015 – 2020
Diploma in Electrical & Computer Engineering (5–year joint degree)
GPA: 9.76/10 (First in cohort)
Thesis: Learning rankings from incomplete samples
Advisor: Dimitris Fotakis

AWARDS AND FELLOWSHIPS

Best paper award at Conference on Learning Theory (COLT)	2024
Bodossaki Foundation fellowship	09/2022 – 08/2025
Leventis Foundation fellowship	09/2022 – 08/2025
Gerondellis Foundation fellowship	2022
Scholarship award from Hellenic Professional Society of Texas	2022
Award of Excellence from State Scholarships Foundation	2020
for graduating first in my cohort, within the nominal period of studies	
Thomaideio Award from NTUA for highest GPA during a year	2019
Award from Eurobank "The Great Moment for Education"	2015
for graduating first in my high school	

CONFERENCE PUBLICATIONS (alphabetical author order)

8. Smoothed Analysis for Learning Concepts with Low Intrinsic Dimension
Gautam Chandrasekaran, Adam Klivans, Vasilis Kontonis,
Raghu Meka, and Konstantinos Stavropoulos
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)
Best Paper Award

7. Learning Intersections of Halfspaces with Distribution Shift: Improved Algorithms and SQ Lower Bounds
Adam Klivans, Konstantinos Stavropoulos, and Arsen Vasilyan
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)

6. Testable Learning with Distribution Shift
Adam Klivans, Konstantinos Stavropoulos, and Arsen Vasilyan
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)

5. An Efficient Tester-Learner for Halfspaces
Aravind Gollakota, Adam Klivans, Konstantinos Stavropoulos, and Arsen Vasilyan
In the Twelfth International Conference on Learning Representations (ICLR 2024)

4. Tester-Learners for Halfspaces: Universal Algorithms
Aravind Gollakota, Adam Klivans, Konstantinos Stavropoulos, and Arsen Vasilyan
In the 37th Conference on Neural Information Processing Systems (NeurIPS 2023)
Selected for Oral Presentation

3. Agnostically Learning Single-Index Models using Omnipredictors
Aravind Gollakota, Parikshit Gopalan, Adam Klivans, and Konstantinos Stavropoulos
In the 37th Conference on Neural Information Processing Systems (NeurIPS 2023)

2. Learning and Covering Sums of Independent Random Variables with Unbounded Support
Alkis Kalavasis, Konstantinos Stavropoulos, and Manolis Zampetakis
In the 36th Conference on Neural Information Processing Systems (NeurIPS 2022)
Selected for Oral Presentation

1. Aggregating Incomplete and Noisy Rankings
Dimitris Fotakis, Alkis Kalavasis, and Konstantinos Stavropoulos
In the 24th Conference on Artificial Intelligence and Statistics (AISTATS 2021)

PREPRINTS
Efficient Discrepancy Testing for Learning with Distribution Shift
Gautam Chandrasekaran, Adam Klivans, Vasilis Kontonis,
Konstantinos Stavropoulos, and Arsen Vasilyan
Under review. ArXiv preprint: [https://arxiv.org/abs/2406.09373]

Tolerant Algorithms for Learning with Arbitrary Covariate Shift
Surbhi Goel, Abhishek Shetty, Konstantinos Stavropoulos, and Arsen Vasilyan
Under review. ArXiv preprint: [https://arxiv.org/abs/2406.02742]

SERVICE AND TEACHING
Reviewer: ICLR 2024, ICML 2024, NeurIPS 2023

Teaching Assistant, New Horizons Summer School in TCS 06/2023

Teaching Assistant, UT Austin Spring 2023
Course: Principles of Machine Learning I: Honors (CS363H)
Instructor: Adam Klivans

Teaching Assistant, NTUA, Greece Fall 2020 – Spring 2021
Courses: Algorithms and Complexity, Discrete Mathematics
Instructor: Dimitris Fotakis

TALKS
**Learning Intersections of Halfspaces with Distribution Shift:
Improved Algorithms and SQ Lower Bounds**
Conference on Learning Theory (COLT) 2024

Tester-Learners for Halfspaces: Universal Algorithms
Oral Presentation, NeurIPS 2023

**Learning and Covering Sums of Independent Random Variables
with Unbounded Support**
Oral Presentation, NeurIPS 2022

LANGUAGES AND SKILLS
English (fluent), French (basic), Greek (native)
Python, LaTeX, C/C++