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Publications

Weighted Distillation with Unlabeled Examples

Fotis Iliopoulos, Vasilis Kotonis, Cenk Baykal,
Gaurav Menghani, Khoa Trinh, Erik Vee
Proceedings of the 36th Conference on Neural Information Processing Systems
NeurIPS 2022

Linear Label Ranking with Bounded Noise.

Dimitris Fotakis, Alvertos Kalavasis, Vasilis Kotonis, Christos Tzamos
Proceedings of the 36th Conference on Neural Information Processing Systems
Selected for Oral Presentation
NeurIPS 2022

Learning General Halfspaces with General Massart Noise under the Gaussian Distribution

Ilias Diakonikolas, Daniel M. Kane, Vasilis Kotonis,
Christos Tzamos, Nikos Zarifis
Proceedings of the 54th Annual ACM Symposium on Theory of Computing
STOC 2022

Learning a Single Neuron with Adversarial Label Noise via Gradient Descent

Ilias Diakonikolas, Vasilis Kotonis, Christos Tzamos, Nikos Zarifis
Proceedings of the 35th Annual Conference on Learning Theory
COLT 2022

Learning General Halfspaces with Adversarial Label Noise via Online Gradient Descent

Ilias Diakonikolas, Vasilis Kotonis, Christos Tzamos, Nikos Zarifis
Proceedings of the 39th International Conference on Machine Learning
ICML 2022

A Statistical Taylor's Theorem and Extrapolation of Truncated Densities

Costis Daskalakis, Vasilis Kotonis, Christos Tzamos, Manolis Zampetakis
Proceedings of the 34th Annual Conference on Learning Theory
COLT 2021

Efficient Algorithms for Learning from Coarse Labels

Dimitris Fotakis, Alvertos Kalavasis, Vasilis Kontonis, Christos Tzamos

Proceedings of the 34th Annual Conference on Learning Theory

COLT 2021

Agnostic Proper Learning of Halfspaces under Gaussian Marginals

Ilias Diakonikolas, Daniel M. Kane, Vasilis Kontonis,

Christos Tzamos, Nikos Zarifis

Proceedings of the 34th Annual Conference on Learning Theory

COLT 2021

Learning Online Algorithms with Distributional Advice

Ilias Diakonikolas, Vasilis Kontonis, Christos Tzamos,

Ali Vakilian, Nikos Zarifis

Proceedings of the 38th International Conference on Machine Learning

ICML 2021

**A Polynomial Time Algorithm For Learning Halfspaces
with Tsybakov Noise**

Ilias Diakonikolas, Daniel M. Kane, Vasilis Kontonis,

Christos Tzamos, Nikos Zarifis

Proceedings of the 53rd Annual ACM Symposium on Theory of Computing

STOC 2021

Learning Halfspaces with Tsybakov Noise

Ilias Diakonikolas, Vasilis Kontonis, Christos Tzamos, Nikos Zarifis

Proceedings of the 53rd Annual ACM Symposium on Theory of Computing

STOC 2021 (Conference version merged with the above paper)

Non-Convex SGD Learns Halfspaces with Adversarial Label Noise

Ilias Diakonikolas, Vasilis Kontonis, Christos Tzamos, Nikos Zarifis

Proceedings of the 34th Conference on Neural Information Processing Systems

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**Learning Halfspaces with Massart Noise
Under Structured Distributions**

Ilias Diakonikolas, Vasilis Kontonis, Christos Tzamos, Nikos Zarifis

Proceedings of the 33th Annual Conference on Learning Theory

COLT 2020

**Algorithms and SQ lower bounds for PAC Learning
One-Hidden-layer ReLU Networks**

Ilias Diakonikolas, Daniel M. Kane, Vasilis Kontonis, Nikos Zarifis

Proceedings of the 33th Annual Conference on Learning Theory

COLT 2020

Truncated Statistics with Unknown Truncation

Vasilis Kontonis, Christos Tzamos, Manolis Zambetakis

*Proceedings of the 60th Annual IEEE Symposium on Foundations of
Computer Science, **FOCS 2019***

Opinion Dynamics with Limited Information

Dimitris Fotakis, Vardis Kandiros, Vasilis Kontonis, and Stratis Skoulakis

*Proceedings of the 14th Conference on Web and Internet Economics
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