

Contents

Error Bounds, Sample Compression Schemes

A Vector-Contraction Inequality for Rademacher Complexities	3
<i>Andreas Maurer</i>	
Localization of VC Classes: Beyond Local Rademacher Complexities	18
<i>Nikita Zhivotovskiy and Steve Hanneke</i>	
Labeled Compression Schemes for Extremal Classes	34
<i>Shay Moran and Manfred K. Warmuth</i>	
On Version Space Compression	50
<i>Shai Ben-David and Ruth Uner</i>	

Statistical Learning Theory, Evolvability

Learning with Rejection	67
<i>Corinna Cortes, Giulia DeSalvo, and Mehryar Mohri</i>	
Sparse Learning for Large-Scale and High-Dimensional Data: A Randomized Convex-Concave Optimization Approach	83
<i>Lijun Zhang, Tianbao Yang, Rong Jin, and Zhi-Hua Zhou</i>	
On the Evolution of Monotone Conjunctions: Drilling for Best Approximations	98
<i>Dimitrios I. Diochnos</i>	

Exact and Interactive Learning, Complexity of Teaching Models

Exact Learning of Juntas from Membership Queries	115
<i>Nader H. Bshouty and Areej Costa</i>	
Submodular Learning and Covering with Response-Dependent Costs.	130
<i>Sivan Sabato</i>	
Classifying the Arithmetical Complexity of Teaching Models	145
<i>Achilles A. Beros, Ziyuan Gao, and Sandra Zilles</i>	

Inductive Inference

Learning Finite Variants of Single Languages from Informant	163
<i>Klaus Ambos-Spies</i>	

Intrinsic Complexity of Partial Learning.	174
<i>Sanjay Jain and Efim Kinber</i>	

Learning Pattern Languages over Groups	189
<i>Rupert Hözl, Sanjay Jain, and Frank Stephan</i>	

Online Learning

The Maximum Cosine Framework for Deriving Perceptron Based Linear Classifiers	207
<i>Nader H. Bshouty and Catherine A. Haddad-Zaknoon</i>	

Structural Online Learning	223
<i>Mehryar Mohri and Scott Yang</i>	

An Upper Bound for Aggregating Algorithm for Regression with Changing Dependencies	238
<i>Yuri Kalnishkan</i>	

Things Bayes Can't Do	253
<i>Daniil Ryabko</i>	

On Minimality of Follow the Leader Strategy in the Stochastic Setting	261
<i>Wojciech Kotłowski</i>	

A Combinatorial Metrical Task System Problem Under the Uniform Metric	276
<i>Takumi Nakazono, Ken-ichiro Moridomi, Kohei Hatano, and Eiji Takimoto</i>	

Competitive Portfolio Selection Using Stochastic Predictions	288
<i>Tuğkan Batu and Pongphat Taptagaporn</i>	

Bandits and Reinforcement Learning

$Q(\lambda)$ with Off-Policy Corrections.	305
<i>Anna Harutyunyan, Marc G. Bellemare, Tom Stepleton, and Rémi Munos</i>	

On the Prior Sensitivity of Thompson Sampling	321
<i>Che-Yu Liu and Lihong Li</i>	

Clustering

Finding Meaningful Cluster Structure Amidst Background Noise	339
<i>Shrinu Kushagra, Samira Samadi, and Shai Ben-David</i>	

A Spectral Algorithm with Additive Clustering for the Recovery
of Overlapping Communities in Networks 355
 Emilie Kaufmann, Thomas Bonald, and Marc Lelarge

Author Index 371

Algorithmic Learning Theory

27th International Conference, ALT 2016, Bari, Italy,

October 19-21, 2016, Proceedings

Ortner, R.; Simon, H.U.; Zilles, S. (Eds.)

2016, XIX, 371 p. 21 illus., Softcover

ISBN: 978-3-319-46378-0