

1. Record Nr.	UNINA9910483698703321
Titolo	Machine Learning and Knowledge Discovery in Databases : European Conference, ECML PKDD 2009, Bled, Slovenia, September 7-11, 2009, Proceedings, Part II / / edited by Wray Buntine, Marko Grobelnik, Dunja Mladenic, John Shawe-Taylor
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-04174-4
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XXIX, 762 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 5782
Altri autori (Persone)	BuntineWray GrobelnikMarko MladenicDunja <1967-> Shawe-TaylorJohn
Disciplina	004.6
Soggetti	Computer networks Data mining Database management Artificial intelligence Information storage and retrieval systems Computer Communication Networks Data Mining and Knowledge Discovery Database Management Artificial Intelligence Information Storage and Retrieval
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Regular Papers -- Decomposition Algorithms for Training Large-Scale Semiparametric Support Vector Machines -- A Convex Method for Locating Regions of Interest with Multi-instance Learning -- Active Learning for Reward Estimation in Inverse Reinforcement Learning -- Simulated Iterative Classification A New Learning Procedure for Graph Labeling -- Graph-Based Discrete Differential Geometry for Critical Instance Filtering -- Integrating Novel Class Detection with

Classification for Concept-Drifting Data Streams -- Neural Networks
 for State Evaluation in General Game Playing -- Learning to
 Disambiguate Search Queries from Short Sessions -- Dynamic Factor
 Graphs for Time Series Modeling -- On Feature Selection, Bias-
 Variance, and Bagging -- Efficient Pruning Schemes for Distance-Based
 Outlier Detection -- The Sensitivity of Latent Dirichlet Allocation for
 Information Retrieval -- Efficient Decoding of Ternary Error-Correcting
 Output Codes for Multiclass Classification -- The Model of Most
 Informative Patterns and Its Application to Knowledge Extraction from
 Graph Databases -- On Discriminative Parameter Learning of Bayesian
 Network Classifiers -- Mining Spatial Co-location Patterns with
 Dynamic Neighborhood Constraint -- Classifier Chains for Multi-label
 Classification -- Dependency Tree Kernels for Relation Extraction from
 Natural Language Text -- Statistical Relational Learning with Formal
 Ontologies -- Boosting Active Learning to Optimality: A Tractable
 Monte-Carlo, Billiard-Based Algorithm -- Capacity Control for Partially
 Ordered Feature Sets -- Reconstructing Data Perturbed by Random
 Projections When the Mixing Matrix Is Known -- Identifying the Original
 Contribution of a Document via Language Modeling -- Relaxed
 Transfer of Different Classes via Spectral Partition -- Mining Databases
 to Mine Queries Faster -- MACs: Multi-Attribute Co-clusters with High
 Correlation Information -- Bi-directional Joint Inference for Entity
 Resolution and Segmentation Using Imperatively-Defined Factor
 Graphs.-Latent Dirichlet Allocation for Automatic Document
 Categorization -- New Regularized Algorithms for Transductive
 Learning -- Enhancing the Performance of Centroid Classifier by ECOC
 and Model Refinement -- Optimal Online Learning Procedures for
 Model-Free Policy Evaluation -- Kernels for Periodic Time Series Arising
 in Astronomy -- K-Subspace Clustering -- Latent Dirichlet Bayesian
 Co-Clustering -- Variational Graph Embedding for Globally and Locally
 Consistent Feature Extraction -- Protein Identification from Tandem
 Mass Spectra with Probabilistic Language Modeling -- Causality
 Discovery with Additive Disturbances: An Information-Theoretical
 Perspective -- Subspace Regularization: A New Semi-supervised
 Learning Method -- Heteroscedastic Probabilistic Linear Discriminant
 Analysis with Semi-supervised Extension -- Semi-Supervised Multi-
 Task Regression -- A Flexible and Efficient Algorithm for Regularized
 Fisher Discriminant Analysis -- Debt Detection in Social Security by
 Sequence Classification Using Both Positive and Negative Patterns --
 Learning the Difference between Partially Observable Dynamical
 Systems -- Universal Learning over Related Distributions and Adaptive
 Graph Transduction -- The Feature Importance Ranking Measure --
 Demo Papers -- OTTHO: On the Tip of My THOught -- Protecting
 Sensitive Topics in Text Documents with PROTEXTOR -- Enhanced Web
 Page Content Visualization with Firefox -- ClusTR: Exploring
 Multivariate Cluster Correlations and Topic Trends -- Visual
 OntoBridge: Semi-automatic Semantic Annotation Software -- Semi-
 automatic Categorization of Videos on VideoLectures.net --
 Discovering Patterns in Flows: A Privacy Preserving Approach with the
 ACSM Prototype -- Using Temporal Language Models for Document
 Dating -- Omiotis: A Thesaurus-Based Measure of Text Relatedness --
 Found in Translation -- A Community-Based Platform for Machine
 Learning Experimentation -- TeleComVis: Exploring Temporal
 Communities in Telecom Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the joint conference
 on Machine Learning and Knowledge Discovery in Databases: ECML
 PKDD 2009, held in Bled, Slovenia, in September 2009. The 106 papers
 presented in two volumes, together with 5 invited talks, were carefully

reviewed and selected from 422 paper submissions. In addition to the regular papers the volume contains 14 abstracts of papers appearing in full version in the Machine Learning Journal and the Knowledge Discovery and Databases Journal of Springer. The conference intends to provide an international forum for the discussion of the latest high quality research results in all areas related to machine learning and knowledge discovery in databases. The topics addressed are application of machine learning and data mining methods to real-world problems, particularly exploratory research that describes novel learning and mining tasks and applications requiring non-standard techniques.
