Concha Bielza

List of Publications by Year
in descending order

186 papers	5,423 citations	126907 33 h-index	102487 66 g-index
200 all docs	200 docs citations	200 times ranked	6843 citing authors

#	ARTICLE	IF	CITATIONS
1	Semiparametric Bayesian networks. Information Sciences, 2022, 584, 564-582.	6.9	12
2	Multipartition clustering of mixed data with Bayesian networks. International Journal of Intelligent Systems, 2022, 37, 2188-2218.	5.7	2
3	Explainable Machine Learning for Longitudinal Multi-Omic Microbiome. Mathematics, 2022, 10, 1994.	2.2	3
4	Hybrid semiparametric Bayesian networks. Test, 2022, 31, 299-327.	1.1	3
5	Estimation of distribution algorithms using Gaussian Bayesian networks to solve industrial optimization problems constrained by environment variables. Journal of Combinatorial Optimization, 2022, 44, 1077-1098.	1.3	2
6	PyBNesian: An extensible python package for Bayesian networks. Neurocomputing, 2022, 504, 204-209.	5.9	4
7	Multi-dimensional Bayesian network classifiers: A survey. Artificial Intelligence Review, 2021, 54, 519-559.	15.7	21
8	Efficient Anomaly Detection in a Laser-Surface Heat-Treatment Process via Laser-Spot Tracking. IEEE/ASME Transactions on Mechatronics, 2021, 26, 405-415.	5.8	1
9	BayeSuites: An open web framework for massive Bayesian networks focused on neuroscience. Neurocomputing, 2021, 428, 166-181.	5.9	13
10	Comparing the Electrophysiology and Morphology of Human and Mouse Layer 2/3 Pyramidal Neurons With Bayesian Networks. Frontiers in Neuroinformatics, 2021, 15, 580873.	2.5	8
11	Bayesian networks for interpretable machine learning and optimization. Neurocomputing, 2021, 456, 648-665.	5.9	40
12	Patient specific prediction of temporal lobe epilepsy surgical outcomes. Epilepsia, 2021, 62, 2113-2122.	5.1	6
13	Long-term forecasting of multivariate time series in industrial furnaces with dynamic Gaussian Bayesian networks. Engineering Applications of Artificial Intelligence, 2021, 103, 104301.	8.1	16
14	Autoregressive Asymmetric Linear Gaussian Hidden Markov Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	4
15	Structure Learning of High-Order Dynamic Bayesian Networks via Particle Swarm Optimization with Order Invariant Encoding. Lecture Notes in Computer Science, 2021, , 158-171.	1.3	2
16	Identifying Parkinson's disease subtypes with motor and non-motor symptoms via model-based multi-partition clustering. Scientific Reports, 2021, 11, 23645.	3.3	11
17	A review of Gaussian Markov models for conditional independence. Journal of Statistical Planning and Inference, 2020, 206, 127-144.	0.6	4
18	Machine-tool condition monitoring with Gaussian mixture models-based dynamic probabilistic clustering. Engineering Applications of Artificial Intelligence, 2020, 89, 103434.	8.1	20

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19	Comparing basal dendrite branches in human and mouse hippocampal CA1 pyramidal neurons with Bayesian networks. Scientific Reports, 2020, 10, 18592.	3.3	11
20	Incremental Learning of Latent Forests. IEEE Access, 2020, 8, 224420-224432.	4.2	1
21	Sparse Cholesky Covariance Parametrization for Recovering Latent Structure in Ordered Data. IEEE Access, 2020, 8, 154614-154624.	4.2	1
22	A community-based transcriptomics classification and nomenclature of neocortical cell types. Nature Neuroscience, 2020, 23, 1456-1468.	14.8	183
23	On generating random Gaussian graphical models. International Journal of Approximate Reasoning, 2020, 125, 240-250.	3.3	2
24	A Directional-Linear Bayesian Network and Its Application for Clustering and Simulation of Neural Somas. IEEE Access, 2019, 7, 69907-69921.	4.2	9
25	Classification of GABAergic interneurons by leading neuroscientists. Scientific Data, 2019, 6, 221.	5.3	15
26	Circular Bayesian classifiers using wrapped Cauchy distributions. Data and Knowledge Engineering, 2019, 122, 101-115.	3.4	4
27	Random Forests for Regression as a Weighted Sum of k -Potential Nearest Neighbors. IEEE Access, 2019, 7, 25660-25672.	4.2	13
28	Tractable learning of Bayesian networks from partially observed data. Pattern Recognition, 2019, 91, 190-199.	8.1	7
29	A circular-linear dependence measure under Johnson–Wehrly distributions and its application in Bayesian networks. Information Sciences, 2019, 486, 240-253.	6.9	5
30	Learning tractable Bayesian networks in the space of elimination orders. Artificial Intelligence, 2019, 274, 66-90.	5.8	12
31	bnclassify: Learning Bayesian Network Classifiers. R Journal, 2019, 10, 455.	1.8	13
32	Tractability of most probable explanations in multidimensional Bayesian network classifiers. International Journal of Approximate Reasoning, 2018, 93, 74-87.	3.3	13
33	Multi-dimensional Bayesian Network Classifier Trees. Lecture Notes in Computer Science, 2018, , 354-363.	1.3	6
34	A regularity index for dendrites - local statistics of a neuron's input space. PLoS Computational Biology, 2018, 14, e1006593.	3.2	5
35	Towards a supervised classification of neocortical interneuron morphologies. BMC Bioinformatics, 2018, 19, 511.	2.6	17
36	Clustering of Data Streams With Dynamic Gaussian Mixture Models: An IoT Application in Industrial Processes. IEEE Internet of Things Journal, 2018, 5, 3533-3547.	8.7	53

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37	MultiMap: A Tool to Automatically Extract and Analyse Spatial Microscopic Data From Large Stacks of Confocal Microscopy Images. Frontiers in Neuroanatomy, 2018, 12, 37.	1.7	6
38	3D morphology-based clustering and simulation of human pyramidal cell dendritic spines. PLoS Computational Biology, 2018, 14, e1006221.	3.2	24
39	Asymmetric Hidden Markov Models with Continuous Variables. Lecture Notes in Computer Science, 2018, , 98-107.	1.3	1
40	Bayesian Optimization of the PC Algorithm for Learning Gaussian Bayesian Networks. Lecture Notes in Computer Science, 2018, , 44-54.	1.3	4
41	A Fast Metropolis-Hastings Method for Generating Random Correlation Matrices. Lecture Notes in Computer Science, 2018, , 117-124.	1.3	1
42	Patterns of Dendritic Basal Field Orientation of Pyramidal Neurons in the Rat Somatosensory Cortex. ENeuro, 2018, 5, ENEURO.0142-18.2018.	1.9	4
43	Univariate and bivariate truncated von Mises distributions. Progress in Artificial Intelligence, 2017, 6, 171-180.	2.4	2
44	Network design through forests with degree- and role-constrained minimum spanning trees. Journal of Heuristics, 2017, 23, 31-51.	1.4	2
45	Dynamic Bayesian Network-Based Anomaly Detection for In-Process Visual Inspection of Laser Surface Heat Treatment. , 2017, , 17-24.		12
46	Machine Learning-based CPS for Clustering High throughput Machining Cycle Conditions. Procedia Manufacturing, 2017, 10, 997-1008.	1.9	32
47	Dendritic-branching angles of pyramidal neurons of the human cerebral cortex. Brain Structure and Function, 2017, 222, 1847-1859.	2.3	10
48	Frobenius Norm Regularization for the Multivariate Von Mises Distribution. International Journal of Intelligent Systems, 2017, 32, 153-176.	5.7	3
49	Architecture for anomaly detection in a laser heating surface process. , 2017, , .		0
50	Parkinson's Disease Subtypes Identified from Cluster Analysis of Motor and Non-motor Symptoms. Frontiers in Aging Neuroscience, 2017, 9, 301.	3.4	94
51	Three-dimensional spatial modeling of spines along dendritic networks in human cortical pyramidal neurons. PLoS ONE, 2017, 12, e0180400.	2.5	9
52	Data Publications Correlate with Citation Impact. Frontiers in Neuroscience, 2016, 10, 419.	2.8	14
53	Wiring Economy of Pyramidal Cells in the Juvenile Rat Somatosensory Cortex. PLoS ONE, 2016, 11, e0165915.	2.5	1
54	Dendritic branching angles of pyramidal cells across layers of the juvenile rat somatosensory cortex. Journal of Comparative Neurology, 2016, 524, 2567-2576.	1.6	4

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55	Mining multi-dimensional concept-drifting data streams using Bayesian network classifiers. Intelligent Data Analysis, 2016, 20, 257-280.	0.9	11
56	Learning Bayesian networks with low inference complexity. Progress in Artificial Intelligence, 2016, 5, 15-26.	2.4	5
57	Dendritic and Axonal Wiring Optimization of Cortical GABAergic Interneurons. Neuroinformatics, 2016, 14, 453-464.	2.8	3
58	Genetic algorithms and <scp>G</scp>aussian <scp>B</scp>ayesian networks to uncover the predictive core set of bibliometric indices. Journal of the Association for Information Science and Technology, 2016, 67, 1703-1721.	2.9	8
59	Laminar Differences in Dendritic Structure of Pyramidal Neurons in the Juvenile Rat Somatosensory Cortex. Cerebral Cortex, 2016, 26, 2811-2822.	2.9	29
60	Decision functions for chain classifiers based on Bayesian networks for multi-label classification. International Journal of Approximate Reasoning, 2016, 68, 164-178.	3.3	11
61	Development of a Cyber-Physical System based on selective Gaussian naÃ¯ve Bayes model for a self-predict laser surface heat treatment process control. , 2016, , 1-8.		3
62	Tree-Structured Bayesian Networks for Wrapped Cauchy Directional Distributions. Lecture Notes in Computer Science, 2016, , 207-216.	1.3	0
63	Guest Editors introduction: special issue of the ECMLPKDD 2015 journal track. Machine Learning, 2015, 100, 157-159.	5.4	0
64	A survey on multiâ€output regression. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2015, 5, 216-233.	6.8	367
65	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2015, 7, 181.	3.4	28
66	A univocal definition of the neuronal soma morphology using Gaussian mixture models. Frontiers in Neuroanatomy, 2015, 9, 137.	1.7	11
67	Guest editors introduction: special issue of the ECMLPKDD 2015 journal track. Data Mining and Knowledge Discovery, 2015, 29, 1113-1115.	3.7	0
68	Interval-based ranking in noisy evolutionary multi-objective optimization. Computational Optimization and Applications, 2015, 61, 517-555.	1.6	11
69	Comparing supervised learning methods for classifying sex, age, context and individual Mudi dogs from barking. Animal Cognition, 2015, 18, 405-421.	1.8	19
70	Recent Advances in Probabilistic Graphical Models. International Journal of Intelligent Systems, 2015, 30, 207-208.	5.7	7
71	Conditional Density Approximations with Mixtures of Polynomials. International Journal of Intelligent Systems, 2015, 30, 236-264.	5.7	2
72	Bayesian Network Classifiers for Categorizing Cortical GABAergic Interneurons. Neuroinformatics, 2015, 13, 193-208.	2.8	19

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73	Classifying GABAergic interneurons with semi-supervised projected model-based clustering. Artificial Intelligence in Medicine, 2015, 65, 49-59.	6.5	14
74	Directional naive Bayes classifiers. Pattern Analysis and Applications, 2015, 18, 225-246.	4.6	20
75	Towards Gaussian Bayesian Network Fusion. Lecture Notes in Computer Science, 2015, , 519-528.	1.3	0
76	Discretization of Expression Quantitative Trait Loci in Association Analysis Between Genotypes and Expression Data§. Current Bioinformatics, 2015, 10, 144-164.	1.5	1
77	Three-dimensional distribution of cortical synapses: a replicated point pattern-based analysis. Frontiers in Neuroanatomy, 2014, 8, 85.	1.7	49
78	Bayesian networks in neuroscience: a survey. Frontiers in Computational Neuroscience, 2014, 8, 131.	2.1	94
79	Multi-dimensional classification of GABAergic interneurons with Bayesian network-modeled label uncertainty. Frontiers in Computational Neuroscience, 2014, 8, 150.	2.1	12
80	PREDICTING THE EQ-5D FROM THE PARKINSON'S DISEASE QUESTIONNAIRE PDQ-8 USING MULTI-DIMENSIONAL BAYESIAN NETWORK CLASSIFIERS. Biomedical Engineering - Applications, Basis and Communications, 2014, 26, 1450015.	0.6	6
81	Cost-sensitive selective naive Bayes classifiers for predicting the increase of the h-index for scientific journals. Neurocomputing, 2014, 135, 42-52.	5.9	20
82	Bayesian network modeling of the consensus between experts: An application to neuron classification. International Journal of Approximate Reasoning, 2014, 55, 3-22.	3.3	20
83	Semi-supervised projected model-based clustering. Data Mining and Knowledge Discovery, 2014, 28, 882-917.	3.7	3
84	Random Positions of Dendritic Spines in Human Cerebral Cortex. Journal of Neuroscience, 2014, 34, 10078-10084.	3.6	15
85	Multi-Dimensional Classification with Super-Classes. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1720-1733.	5.7	43
86	Discrete Bayesian Network Classifiers. ACM Computing Surveys, 2014, 47, 1-43.	23.0	180
87	Multi-label classification with Bayesian network-based chain classifiers. Pattern Recognition Letters, 2014, 41, 14-22.	4.2	84
88	Learning mixtures of polynomials of multidimensional probability densities from data using B-spline interpolation. International Journal of Approximate Reasoning, 2014, 55, 989-1010.	3.3	12
89	Multiobjective Estimation of Distribution Algorithm Based on Joint Modeling of Objectives and Variables. IEEE Transactions on Evolutionary Computation, 2014, 18, 519-542.	10.0	80
90	Three-Dimensional Spatial Distribution of Synapses in the Neocortex: A Dual-Beam Electron Microscopy Study. Cerebral Cortex, 2014, 24, 1579-1588.	2.9	68

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91	Branching angles of pyramidal cell dendrites follow common geometrical design principles in different cortical areas. Scientific Reports, 2014, 4, 5909.	3.3	14
92	Expressive Power of Binary Relevance and Chain Classifiers Based on Bayesian Networks for Multi-label Classification. Lecture Notes in Computer Science, 2014, , 519-534.	1.3	0
93	Cluster methods for assessing research performance: exploring Spanish computer science. Scientometrics, 2013, 97, 571-600.	3.0	18
94	Parameter Control of Genetic Algorithms by Learning and Simulation of Bayesian Networks â€" A Case Study for the Optimal Ordering of Tables. Journal of Computer Science and Technology, 2013, 28, 720-731.	1.5	11
95	Regularized continuous estimation of distribution algorithms. Applied Soft Computing Journal, 2013, 13, 2412-2432.	7.2	23
96	Comparison of metaheuristic strategies for peakbin selection in proteomic mass spectrometry data. Information Sciences, 2013, 222, 229-246.	6.9	14
97	Unveiling relevant non-motor Parkinson's disease severity symptoms using a machine learning approach. Artificial Intelligence in Medicine, 2013, 58, 195-202.	6.5	50
98	Sparse regularized local regression. Computational Statistics and Data Analysis, 2013, 62, 122-135.	1.2	1
99	Predicting dementia development in Parkinson's disease using Bayesian network classifiers. Psychiatry Research - Neuroimaging, 2013, 213, 92-98.	1.8	64
100	Classification of neural signals from sparse autoregressive features. Neurocomputing, 2013, 111, 21-26.	5.9	14
101	New insights into the classification and nomenclature of cortical GABAergic interneurons. Nature Reviews Neuroscience, 2013, 14, 202-216.	10.2	707
102	Relationship among research collaboration, number of documents and number of citations: a case study in Spanish computer science production in 2000â€"2009. Scientometrics, 2013, 95, 689-716.	3.0	40
103	A review on evolutionary algorithms in Bayesian network learning and inference tasks. Information Sciences, 2013, 233, 109-125.	6.9	110
104	Predicting human immunodeficiency virus inhibitors using multi-dimensional Bayesian network classifiers. Artificial Intelligence in Medicine, 2013, 57, 219-229.	6.5	32
105	A Survey of L_1 Regression. International Statistical Review, 2013, 81, 361-387.	1.9	78
106	Towards optimal neuronal wiring through estimation of distribution algorithms. , 2013, , .		1
107	AN L1-REGULARIZED NAÃVE BAYES-INSPIRED CLASSIFIER FOR DISCARDING REDUNDANT AND IRRELEVANT PREDICTORS. International Journal on Artificial Intelligence Tools, 2013, 22, 1350019.	1.0	1
108	Bayesian Sparse Partial Least Squares. Neural Computation, 2013, 25, 3318-3339.	2.2	17

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109	Network measures for information extraction in evolutionary algorithms. International Journal of Computational Intelligence Systems, 2013, 6, 1163-1188.	2.7	13
110	Bayesian networks to answer challenging neuroscience questions. , 2013, , .		0
111	Machine Learning Approach for the Outcome Prediction of Temporal Lobe Epilepsy Surgery. PLoS ONE, 2013, 8, e62819.	2.5	45
112	Classification of neocortical interneurons using affinity propagation. Frontiers in Neural Circuits, 2013, 7, 185.	2.8	28
113	Learning Conditional Linear Gaussian Classifiers with Probabilistic Class Labels. Lecture Notes in Computer Science, 2013, , 139-148.	1.3	2
114	Semi-supervised Projected Clustering for Classifying GABAergic Interneurons. Lecture Notes in Computer Science, 2013, , 156-165.	1.3	0
115	Learning Mixtures of Polynomials of Conditional Densities from Data. Lecture Notes in Computer Science, 2013, , 363-372.	1.3	0
116	Augmented Semi-naive Bayes Classifier. Lecture Notes in Computer Science, 2013, , 159-167.	1.3	1
117	Análisis de la actividad cientÃfica de las universidades pÃºblicas espaÃ±olas en el Ã¡rea de las tecnologÃas informÃ¡ticas. Revista Espanola De Documentacion Cientifica, 2013, 36, e002.	0.4	2
118	Maximizing the number of polychronous groups in spiking networks. , 2012, , .		0
119	A comparison of clustering quality indices using outliers and noise. Intelligent Data Analysis, 2012, 16, 703-715.	0.9	44
120	Lazy lasso for local regression. Computational Statistics, 2012, 27, 531-550.	1.5	9
121	Regularized logistic regression and multiobjective variable selection for classifying MEG data. Biological Cybernetics, 2012, 106, 389-405.	1.3	8
122	A review on probabilistic graphical models in evolutionary computation. Journal of Heuristics, 2012, 18, 795-819.	1.4	70
123	Markov blanket-based approach for learning multi-dimensional Bayesian network classifiers: An application to predict the European Quality of Life-5 Dimensions (EQ-5D) from the 39-item Parkinson's Disease Questionnaire (PDQ-39). Journal of Biomedical Informatics, 2012, 45, 1175-1184.	4.3	37
124	Ensemble transcript interaction networks: A case study on Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2012, 108, 442-450.	4.7	9
125	A new feature extraction method for signal classification applied to cord dorsum potential detection. Journal of Neural Engineering, 2012, 9, 056009.	3.5	3
126	Biomedical Informatics Publications: a Global Perspective. Methods of Information in Medicine, 2012, 51, 131-137.	1.2	12

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127	Mouse p53-Deficient Cancer Models as Platforms for Obtaining Genomic Predictors of Human Cancer Clinical Outcomes. PLoS ONE, 2012, 7, e42494.	2.5	7
128	Biomedical Informatics Publications: a Global Perspective. Methods of Information in Medicine, 2012, 51, 82-90.	1.2	12
129	Forward stagewise naïve Bayes. Progress in Artificial Intelligence, 2012, 1, 57-69.	2.4	4
130	Continuous Estimation of Distribution Algorithms Based on Factorized Gaussian Markov Networks. Adaptation, Learning, and Optimization, 2012, , 157-173.	0.6	5
131	Peakbin Selection in Mass Spectrometry Data Using a Consensus Approach with Estimation of Distribution Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 760-774.	3.0	26
132	Predicting the h-index with cost-sensitive naive Bayes. , 2011, , .		5
133	Classifying evolving data streams with partially labeled data. Intelligent Data Analysis, 2011, 15, 655-670.	0.9	16
134	A review of representation issues and modeling challenges with influence diagrams. Omega, 2011, 39, 227-241.	5.9	28
135	Optimal row and column ordering to improve table interpretation using estimation of distribution algorithms. Journal of Heuristics, 2011, 17, 567-588.	1.4	6
136	Using Bayesian networks to discover relationships between bibliometric indices. A case study of computer science and artificial intelligence journals. Scientometrics, 2011, 89, 523-551.	3.0	11
137	Optimizing Brain Networks Topologies Using Multi-objective Evolutionary Computation. Neuroinformatics, 2011, 9, 3-19.	2.8	12
138	Models and Simulation of 3D Neuronal Dendritic Trees Using Bayesian Networks. Neuroinformatics, 2011, 9, 347-369.	2.8	20
139	Comparison between supervised and unsupervised classifications of neuronal cell types: A case study. Developmental Neurobiology, 2011, 71, 71-82.	3.0	78
140	Regularized logistic regression without a penalty term: An application to cancer classification with microarray data. Expert Systems With Applications, 2011, 38, 5110-5118.	7.6	52
141	Dealing with complex queries in decision-support systems. Data and Knowledge Engineering, 2011, 70, 167-181.	3.4	0
142	Multi-dimensional classification with Bayesian networks. International Journal of Approximate Reasoning, 2011, 52, 705-727.	3.3	152
143	Affinity propagation enhanced by estimation of distribution algorithms. , 2011, , .		5
144	Regularized k-order markov models in EDAs. , 2011, , .		2

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145	On nonlinearity in neural encoding models applied to the primary visual cortex. Network: Computation in Neural Systems, 2011, 22, 97-125.	3.6	0
146	Multi-objective Optimization with Joint Probabilistic Modeling of Objectives and Variables. Lecture Notes in Computer Science, 2011, , 298-312.	1.3	8
147	Modeling challenges with influence diagrams: Constructing probability and utility models. Decision Support Systems, 2010, 49, 354-364.	5.9	28
148	Multidimensional statistical analysis of the parameterization of a genetic algorithm for the optimal ordering of tables. Expert Systems With Applications, 2010, 37, 804-815.	7.6	4
149	Bivariate empirical and n-variate Archimedean copulas in estimation of distribution algorithms. , 2010, , .		14
150	Evaluation by Data Mining Techniques of Fluconazole Breakpoints Established by the Clinical and Laboratory Standards Institute (CLSI) and Comparison with Those of the European Committee on Antimicrobial Susceptibility Testing (EUCAST). Antimicrobial Agents and Chemotherapy, 2010, 54, 1541-1546.	3.2	24
151	Learning an L1-Regularized Gaussian Bayesian Network in the Equivalence Class Space. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1231-1242.	5.0	13
152	Using Probabilistic Dependencies Improves the Search of Conductance-Based Compartmental Neuron Models. Lecture Notes in Computer Science, 2010, , 170-181.	1.3	1
153	Mining Concept-Drifting Data Streams Containing Labeled and Unlabeled Instances. Lecture Notes in Computer Science, 2010, , 531-540.	1.3	6
154	Synergies between Network-Based Representation and Probabilistic Graphical Models for Classification, Inference and Optimization Problems in Neuroscience. Lecture Notes in Computer Science, 2010, , 149-158.	1.3	1
155	Mateda-2.0: A<i>MATLAB</i>Package for the Implementation and Analysis of Estimation of Distribution Algorithms. Journal of Statistical Software, 2010, 35, .	3.7	37
156	Estimation of Distribution Algorithms as Logistic Regression Regularizers of Microarray Classifiers. Methods of Information in Medicine, 2009, 48, 236-241.	1.2	11
157	Data Mining Validation of Fluconazole Breakpoints Established by the European Committee on Antimicrobial Susceptibility Testing. Antimicrobial Agents and Chemotherapy, 2009, 53, 2949-2954.	3.2	25
158	Predicting citation count of <i>Bioinformatics</i> papers within four years of publication. Bioinformatics, 2009, 25, 3303-3309.	4.1	44
159	Mining probabilistic models learned by EDAs in the optimization of multi-objective problems. , 2009, , .		16
160	Comparison of Bayesian networks and artificial neural networks for quality detection in a machining process. Expert Systems With Applications, 2009, 36, 7270-7279.	7.6	145
161	Probabilistic Graphical Markov Model Learning: An Adaptive Strategy. Lecture Notes in Computer Science, 2009, , 225-236.	1.3	3
162	Optimizing logistic regression coefficients forÂdiscrimination and calibration using estimationÂofÂdistribution algorithms. Top, 2008, 16, 345-366.	1.6	10

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163	A review of estimation of distribution algorithms in bioinformatics. BioData Mining, 2008, 1, 6.	4.0	61
164	Explaining clinical decisions by extracting regularity patterns. Decision Support Systems, 2008, 44, 397-408.	5.9	13
165	A Bayesian network model for surface roughness prediction in the machining process. International Journal of Systems Science, 2008, 39, 1181-1192.	5.5	42
166	A Graphical Decision-Theoretic Model for Neonatal Jaundice. Medical Decision Making, 2007, 27, 250-265.	2.4	24
167	Machine learning in bioinformatics. Briefings in Bioinformatics, 2006, 7, 86-112.	6.5	674
168	A decision approach to competitive electronic sealed-bid auctions for land. Journal of the Operational Research Society, 2006, 57, 1126-1133.	3.4	2
169	A list-based compact representation for large decision tables management. European Journal of Operational Research, 2005, 160, 638-662.	5.7	10
170	Approximating nondominated sets in continuous multiobjective optimization problems. Naval Research Logistics, 2005, 52, 469-480.	2.2	13
171	MULTIVARIATE ANALYSIS OF AN ON-LINE NIR SPECTROMETER UNDER INDUSTRIAL USE. Acta Horticulturae, 2005, , 513-519.	0.2	0
172	Node deletion sequences in influence diagrams using genetic algorithms. Statistics and Computing, 2004, 14, 181-198.	1.5	5
173	Hierarchical Junction Trees: Conditional Independence Preservation and Forecasting in Dynamic Bayesian Networks with Heterogeneous Evolution. Studies in Fuzziness and Soft Computing, 2004, , 57-75.	0.8	1
174	Optimal Decision Explanation by Extracting Regularity Patterns. , 2004, , 283-294.		3
175	Logistic regression for simulating damage occurrence on a fruit grading line. Computers and Electronics in Agriculture, 2003, 39, 95-113.	7.7	13
176	COMPROMISE-BASED APPROACH TO ROAD PROJECT SELECTION IN MADRID METROPOLITAN AREA. Journal of the Operations Research Society of Japan, 2003, 46, 99-122.	0.2	11
177	An Interactive Framework for Open Queries in Decision Support Systems. Lecture Notes in Computer Science, 2002, , 254-264.	1.3	1
178	Structural, elicitation and computational issues faced when solving complex decision making problems with influence diagrams. Computers and Operations Research, 2000, 27, 725-740.	4.0	19
179	Sensitivity Analysis in IctNeo. Lecture Notes in Statistics, 2000, , 317-334.	0.2	5
180	Multiattribute Utility Analysis in the IctNeo System. Lecture Notes in Economics and Mathematical Systems, 2000, , 81-92.	0.3	2

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181	Influence Diagrams for Neonatal Jaundice Management. Lecture Notes in Computer Science, 1999, , 138-142.	1.3	2
182	Decision Analysis by Augmented Probability Simulation. Management Science, 1999, 45, 995-1007.	4.1	53
183	A Comparison of Graphical Techniques for Asymmetric Decision Problems. Management Science, 1999, 45, 1552-1569.	4.1	47
184	On time-dependent wavelet denoising. IEEE Transactions on Signal Processing, 1998, 46, 2549-2554.	5.3	67
185	Multidimensional continuous time Bayesian network classifiers. International Journal of Intelligent Systems, 0, , .	5.7	1
186	Rejoinder on: Hybrid semiparametric Bayesian networks. Test, 0, , .	1.1	0