Eibe Frank

List of Publications by Year
in descending order

85	28,763	134610 34	116156 66
papers	citations	h-index	g-index

90	90	90	27697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experiments in cross-domain few-shot learning for image classification. Journal of the Royal Society of New Zealand, 2023, 53, 169-191.	1.0	2
2	Bandwidth-Optimal Random Shuffling for GPUs. ACM Transactions on Parallel Computing, 2022, 9, 1-20.	1.2	0
3	Efficiently correcting machine learning: considering the role of example ordering in human-in-the-loop training of image classification models. , 2022, , .		1
4	Methods for Eliciting Informative Prior Distributions: A Critical Review. Decision Analysis, 2022, 19, 189-204.	1.2	5
5	Deep learning in diabetic foot ulcers detection: A comprehensive evaluation. Computers in Biology and Medicine, 2021, 135, 104596.	3.9	75
6	Adaptive XGBoost for Evolving Data Streams. , 2020, , .		24
7	Improving Naive Bayes for Regression with Optimized Artificial Surrogate Data. Applied Artificial Intelligence, 2020, 34, 484-514.	2.0	8
8	WekaDeeplearning4j: A deep learning package for Weka based on Deeplearning4j. Knowledge-Based Systems, 2019, 178, 48-50.	4.0	82
9	On Calibration of Nested Dichotomies. Lecture Notes in Computer Science, 2019, , 69-80.	1.0	3
10	Ensembles of Nested Dichotomies with Multiple Subset Evaluation. Lecture Notes in Computer Science, 2019, , 81-93.	1.0	4
11	Online estimation of discrete, continuous, and conditional joint densities using classifier chains. Data Mining and Knowledge Discovery, 2018, 32, 561-603.	2.4	3
12	Hidden Features: Experiments with Feature Transfer for Fine-Grained Multi-Class and One-Class Image Categorization. , 2018, , .		3
13	A data mining approach to evaluate suitability of dissolved oxygen sensor observations for lake metabolism analysis. Limnology and Oceanography: Methods, 2018, 16, 787-801.	1.0	2
14	Transferring sentiment knowledge between words and tweets. Web Intelligence, 2018, 16, 203-220.	0.1	4
15	Good Vibrations: Artificial Ambience-Based Relay Attack Detection. , 2018, , .		2
16	On the Effectiveness of Ambient Sensing for Detecting NFC Relay Attacks. , 2017, , .		5
17	Learning Through Utility Optimization in Regression Tasks. , 2017, , .		3
18	The Applicability of Ambient Sensors as Proximity Evidence for NFC Transactions. , 2017, , .		7

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19	Large-Scale Automatic Species Identification. Lecture Notes in Computer Science, 2017, , 301-312.	1.0	5
20	Determining Word-Emotion Associations from Tweets by Multi-label Classification. , 2016, , .		37
21	From Opinion Lexicons to Sentiment Classification of Tweets and Vice Versa: A Transfer Learning Approach. , 2016, , .		10
22	Building a Twitter opinion lexicon from automatically-annotated tweets. Knowledge-Based Systems, 2016, 108, 65-78.	4.0	51
23	Introducing Machine Learning Concepts with WEKA. Methods in Molecular Biology, 2016, 1418, 353-378.	0.4	131
24	Building Ensembles of Adaptive Nested Dichotomies with Random-Pair Selection. Lecture Notes in Computer Science, 2016, , 179-194.	1.0	10
25	Accurate photometric redshift probability density estimation â€“ method comparison and application. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3710-3725.	1.6	45
26	Alternating model trees. , 2015, , .		26
27	From Unlabelled Tweets to Twitter-specific Opinion Words. , 2015, , .		9
28	DNA methylation-associated colonic mucosal immune and defense responses in treatment-naÃ¯ve pediatric ulcerative colitis. Epigenetics, 2014, 9, 1131-1137.	1.3	59
29	Artificial neural network is highly predictive of outcome in paediatric acute liver failure. Pediatric Transplantation, 2013, 17, 535-542.	0.5	23
30	Online Estimation of Discrete Densities. , 2013, , .		8
31	Applying additive logistic regression to data derived from sensors monitoring behavioral and physiological characteristics of dairy cows to detect lameness. Journal of Dairy Science, 2013, 96, 7043-7053.	1.4	29
32	Propositionalisation of Multi-instance Data Using Random Forests. Lecture Notes in Computer Science, 2013, , 362-373.	1.0	14
33	Ensembles of Restricted Hoeffding Trees. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-20.	2.9	23
34	Learning a conceptâ€based document similarity measure. Journal of the Association for Information Science and Technology, 2012, 63, 1593-1608.	2.6	53
35	A comparison of methods for estimating prediction intervals in NIR spectroscopy: Size matters. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 139-145.	1.8	6
36	Classifier chains for multi-label classification. Machine Learning, 2011, 85, 333-359.	3.4	1,483

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37	Beyond Trees: Adopting MITI to Learn Rules and Ensemble Classifiers for Multi-Instance Data. Lecture Notes in Computer Science, 2011, , 41-50.	1.0	14
38	A review of multi-instance learning assumptions. Knowledge Engineering Review, 2010, 25, 1-25.	2.1	270
39	Fast Perceptron Decision Tree Learning from Evolving Data Streams. Lecture Notes in Computer Science, 2010, , 299-310.	1.0	61
40	A Study of Hierarchical and Flat Classification of Proteins. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2010, 7, 563-571.	1.9	32
41	Sentiment Knowledge Discovery in Twitter Streaming Data. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	288
42	Speeding Up and Boosting Diverse Density Learning. Lecture Notes in Computer Science, 2010, , 102-116.	1.0	10
43	Classifier Chains for Multi-label Classification. Lecture Notes in Computer Science, 2009, , 254-269.	1.0	321
44	Accuracy of machine learning models versus â€œhand craftedâ€•expert systems â€“ A credit scoring case study. Expert Systems With Applications, 2009, 36, 5264-5271.	4.4	35
45	The WEKA data mining software. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2009, 11, 10-18.	3.2	14,483
46	Weka-A Machine Learning Workbench for Data Mining. , 2009, , 1269-1277.		189
47	Large-scale attribute selection using wrappers. , 2009, , .		155
48	Clustering Documents Using a Wikipedia-Based Concept Representation. Lecture Notes in Computer Science, 2009, , 628-636.	1.0	58
49	Conditional Density Estimation with Class Probability Estimators. Lecture Notes in Computer Science, 2009, , 65-81.	1.0	23
50	Human-competitive tagging using automatic keyphrase extraction. , 2009, , .		179
51	Analysing chromatographic data using data mining to monitor petroleum content in water. Environmental Science and Engineering, 2009, , 278-290.	0.1	0
52	Clustering Documents with Active Learning Using Wikipedia. , 2008, , .		89
53	One-Class Classification by Combining Density and Class Probability Estimation. Lecture Notes in Computer Science, 2008, , 505-519.	1.0	88
54	Revisiting Multiple-Instance Learning Via Embedded Instance Selection. Lecture Notes in Computer Science, 2008, , 300-310.	1.0	11

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55	Discriminating Against New Classes: One-class versus Multi-class Classification. Lecture Notes in Computer Science, 2008, , 325-336.	1.0	17
56	Additive Regression Applied to a Large-Scale Collaborative Filtering Problem. Lecture Notes in Computer Science, 2008, , 435-446.	1.0	3
57	An Empirical Comparison of Exact Nearest Neighbour Algorithms. Lecture Notes in Computer Science, 2007, , 140-151.	1.0	28
58	Naive Bayes for Text Classification with Unbalanced Classes. Lecture Notes in Computer Science, 2006, , 503-510.	1.0	105
59	Improving on Bagging with Input Smearing. Lecture Notes in Computer Science, 2006, , 97-106.	1.0	15
60	Gene selection from microarray data for cancer classificationâ€"a machine learning approach. Computational Biology and Chemistry, 2005, 29, 37-46.	1.1	336
61	Logistic Model Trees. Machine Learning, 2005, 59, 161-205.	3.4	981
62	Weka. , 2005, , 1305-1314.		101
63	Ensembles of Balanced Nested Dichotomies for Multi-class Problems. Lecture Notes in Computer Science, 2005, , 84-95.	1.0	36
64	Unsupervised Discretization Using Tree-Based Density Estimation. Lecture Notes in Computer Science, 2005, , 240-251.	1.0	19
65	Ensembles of nested dichotomies for multi-class problems. , 2004, , .		54
66	Evaluating the Replicability of Significance Tests for Comparing Learning Algorithms. Lecture Notes in Computer Science, 2004, , 3-12.	1.0	214
67	Predicting Library of Congress classifications from Library of Congress subject headings. Journal of the Association for Information Science and Technology, 2004, 55, 214-227.	2.6	48
68	Multinomial Naive Bayes for Text Categorization Revisited. Lecture Notes in Computer Science, 2004, , 488-499.	1.0	205
69	Data mining in bioinformatics using Weka. Bioinformatics, 2004, 20, 2479-2481.	1.8	793
70	Using Classification to Evaluate the Output of Confidence-Based Association Rule Mining. Lecture Notes in Computer Science, 2004, , 538-549.	1.0	24
71	Logistic Regression and Boosting for Labeled Bags of Instances. Lecture Notes in Computer Science, 2004, , 272-281.	1.0	139
72	A Toolbox for Learning from Relational Data with Propositional and Multi-instance Learners. Lecture Notes in Computer Science, 2004, , 1017-1023.	1.0	12

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73	Logistic Model Trees. Lecture Notes in Computer Science, 2003, , 241-252.	1.0	72
74	A Two-Level Learning Method for Generalized Multi-instance Problems. Lecture Notes in Computer Science, 2003, , 468-479.	1.0	93
75	Visualizing Class Probability Estimators. Lecture Notes in Computer Science, 2003, , 168-179.	1.0	9
76	Fragment generation and support vector machines for inducing SARs. SAR and QSAR in Environmental Research, 2002, 13, 509-523.	1.0	23
77	Multiclass Alternating Decision Trees. Lecture Notes in Computer Science, 2002, , 161-172.	1.0	109
78	Racing Committees for Large Datasets. Lecture Notes in Computer Science, 2002, , 153-164.	1.0	12
79	Interactive machine learning: letting users build classifiers. International Journal of Human Computer Studies, 2001, 55, 281-292.	3.7	137
80	A Simple Approach to Ordinal Classification. Lecture Notes in Computer Science, 2001, , 145-156.	1.0	291
81	Determining Progression in Glaucoma Using Visual Fields. Lecture Notes in Computer Science, 2001, , 136-147.	1.0	5
82	Technical Note: Naive Bayes for Regression. Machine Learning, 2000, 41, 5-25.	3.4	164
83	Improving browsing in digital libraries with keyphrase indexes. Decision Support Systems, 1999, 27, 81-104.	3.5	157
84	Using Model Trees for Classification. Machine Learning, 1998, 32, 63-76.	3.4	316
85	Accelerating the XGBoost algorithm using GPU computing. PeerJ Computer Science, 0, 3, e127.	2.7	162