Bart Baesens

List of Publications by Year
in descending order

43 papers	3,809 citations	279487 23 h-index	315357 38 g-index
45 all docs	45 docs citations	45 times ranked	2586 citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking state-of-the-art classification algorithms for credit scoring: An update of research. European Journal of Operational Research, 2015, 247, 124-136.	3.5	707
2	Classification With Ant Colony Optimization. IEEE Transactions on Evolutionary Computation, 2007, 11, 651-665.	7.5	353
3	New insights into churn prediction in the telecommunication sector: A profit driven data mining approach. European Journal of Operational Research, 2012, 218, 211-229.	3.5	306
4	Editorial survey: swarm intelligence for data mining. Machine Learning, 2011, 82, 1-42.	3.4	256
5	Building comprehensible customer churn prediction models with advanced rule induction techniques. Expert Systems With Applications, 2011, 38, 2354-2364.	4.4	248
6	Data Mining Techniques for Software Effort Estimation: A Comparative Study. IEEE Transactions on Software Engineering, 2012, 38, 375-397.	4.3	171
7	Toward Comprehensible Software Fault Prediction Models Using Bayesian Network Classifiers. IEEE Transactions on Software Engineering, 2013, 39, 237-257.	4.3	150
8	Modeling churn using customer lifetime value. European Journal of Operational Research, 2009, 197, 402-411.	3.5	141
9	Active Trace Clustering for Improved Process Discovery. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2708-2720.	4.0	128
10	Development and application of consumer credit scoring models using profit-based classification measures. European Journal of Operational Research, 2014, 238, 505-513.	3.5	127
11	Recursive Neural Network Rule Extraction for Data With Mixed Attributes. IEEE Transactions on Neural Networks, 2008, 19, 299-307.	4.8	117
12	A Novel Profit Maximizing Metric for Measuring Classification Performance of Customer Churn Prediction Models. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 961-973.	4.0	111
13	GOTCHA! Network-Based Fraud Detection for Social Security Fraud. Management Science, 2017, 63, 3090-3110.	2.4	91
14	A multi-objective approach for profit-driven feature selection in credit scoring. Decision Support Systems, 2019, 120, 106-117.	3.5	85
15	A robust F-measure for evaluating discovered process models. , 2011, , .		64
16	Credit scoring for microfinance: is it worth it?. International Journal of Finance and Economics, 2012, 17, 103-123.	1.9	64
17	Profit-based feature selection using support vector machines â€" General framework and an application for customer retention. Applied Soft Computing Journal, 2015, 35, 740-748.	4.1	62
18	Comprehensible software fault and effort prediction: A data mining approach. Journal of Systems and Software, 2015, 100, 80-90.	3.3	62

#	ARTICLE	IF	CITATIONS
19	Profit maximizing logistic model for customer churn prediction using genetic algorithms. Swarm and Evolutionary Computation, 2018, 40, 116-130.	4.5	61
20	Determining Process Model Precision and Generalization with Weighted Artificial Negative Events. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 1877-1889.	4.0	60
21	Profit driven decision trees for churn prediction. European Journal of Operational Research, 2020, 284, 920-933.	3.5	57
22	Monitoring care processes in the gynecologic oncology department. Computers in Biology and Medicine, 2014, 44, 88-96.	3.9	44
23	Filter- versus wrapper-based feature selection for credit scoring. International Journal of Intelligent Systems, 2005, 20, 985-999.	3.3	43
24	Predicting time-to-churn of prepaid mobile telephone customers using social network analysis. Journal of the Operational Research Society, 2016, 67, 1135-1145.	2.1	30
25	Leveraging process discovery with trace clustering and text mining for intelligent analysis of incident management processes. , 2012, , .		25
26	Benchmarking sampling techniques for imbalance learning in churn prediction. Journal of the Operational Research Society, 2018, 69, 49-65.	2.1	25
27	Macro-Economic Factors in Credit Risk Calculations: Including Time-Varying Covariates in Mixture Cure Models. Journal of Business and Economic Statistics, 2019, 37, 40-53.	1.8	24
28	Enabling flexible location-aware business process modeling and execution. Decision Support Systems, 2016, 83, 1-9.	3.5	21
29	Predict-then-optimize or predict-and-optimize? An empirical evaluation of cost-sensitive learning strategies. Information Sciences, 2022, 594, 400-415.	4.0	19
30	Do for-profit microfinance institutions achieve better financial efficiency and social impact? A generalised estimating equations panel data approach. Journal of Development Effectiveness, 2013, 5, 359-380.	0.4	18
31	Profit-Based Model Selection for Customer Retention Using Individual Customer Lifetime Values. Big Data, 2018, 6, 53-65.	2.1	15
32	To tune or not to tune: rule evaluation for metaheuristic-based sequential covering algorithms. Data Mining and Knowledge Discovery, 2015, 29, 237-272.	2.4	14
33	A Bayesian nonlinear support vector machine error correction model. Journal of Forecasting, 2006, 25, 77-100.	1.6	11
34	tcc2vec: RFM-informed representation learning on call graphs for churn prediction. Information Sciences, 2021, 557, 270-285.	4.0	10
35	Profit maximizing logistic regression modeling for customer churn prediction. , 2015, , .		8
36	Expert-driven trace clustering with instance-level constraints. Knowledge and Information Systems, 2021, 63, 1197-1220.	2.1	6

#	ARTICLE	IF	CITATIONS
37	A new transferred feature selection algorithm for customer identification. Neural Computing and Applications, 2017, 28, 2593-2603.	3.2	5
38	On the gap between reality and registration: a business event analysis classification framework. Information Technology and Management, 2016, 17, 393-410.	1.4	3
39	PROFIT MAXIMIZING LOGISTIC REGRESSION MODELING FOR CREDIT SCORING. , 2018, , .		3
40	A Novel Credit Rating Migration Modeling Approach Using Macroeconomic Indicators. Journal of Forecasting, 2013, 32, 654-672.	1.6	2
41	Declarative process discovery with evolutionary computing. , 2014, , .		2
42	Closing the Gap Between Experts and Novices Using Analytics-as-a-Service: An Experimental Study. Business and Information Systems Engineering, 2019, 61, 679-693.	4.0	2
43	Predicting take-up of home loan offers using tree-based ensemble models: A South African case study. South African Journal of Science, 2021, 117, .	0.3	1