

Fuzzy computing for data mining

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Context-based fuzzy system for optimization. , 0, , .		0
2	FUZZY INFORMATION GRANULATION ON BLOOD VESSEL EXTRACTION FROM 3D TOF MRA IMAGE. International Journal of Pattern Recognition and Artificial Intelligence, 2000, 14, 409-425.	0.7	10
3	Industrial applications of soft computing: a review. Proceedings of the IEEE, 2001, 89, 1243-1265.	16.4	126
4	Classification with degree of membership: a fuzzy approach. , 0, , .		19
5	A spatial modeling technique for small area load forecast. , 2001, , .		3
6	Optimal regression tree based rule discovery for short-term load forecasting. , 0, , .		26
7	An efficient Fuzzy C-Means clustering algorithm. , 0, , .		70
8	Short-term load forecasting with fuzzy regression tree in power systems. , 0, , .		22
9	An efficient clustering algorithm for mining fuzzy quantitative association rules. , 0, , .		11
10	A data mining approach for fuzzy classification rule generation. , 0, , .		6
11	A novel approach to the design of complex heat transfer systems: portable computer design-a case study. IEEE Transactions on Components and Packaging Technologies, 2001, 24, 199-206.	1.4	13
12	Induction-based approach to rule generation using membership function. International Journal of Computer Integrated Manufacturing, 2002, 15, 86-96.	2.9	4
13	Towards a context aware mining of user interests for consumption of multimedia documents. , 0, , .		20
14	Constraint-based granular computing for fuzzy modeling. , 0, , .		3
15	Mining fuzzy rules in a donor database for direct marketing by a charitable organization. , 0, , .		4
16	A data mining approach for spatial modeling in small area load forecast. IEEE Transactions on Power Systems, 2002, 17, 516-521.	4.6	72
17	Data mining for constructing ellipsoidal fuzzy classifier with various input features using GRBF neural networks. , 0, , .		1
18	Data mining for short-term load forecasting. , 0, , .		25

#	ARTICLE	IF	CITATIONS
19	A data mining method for short-term load forecasting in power systems. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2002, 139, 12-22.	0.2	9
20	TCRM: diagnosing tuple inconsistency for granulized datasets. Knowledge-Based Systems, 2002, 15, 507-514.	4.0	4
21	Decision support for the academic library acquisition budget allocation via circulation database mining. Information Processing and Management, 2003, 39, 133-147.	5.4	34
22	Data mining applied to material acquisition budget allocation for libraries: design and development. Expert Systems With Applications, 2003, 25, 401-411.	4.4	21
23	Fuzzy Set Approaches to Spatial Data Mining of Association Rules. Transactions in GIS, 2003, 7, 123-138.	1.0	45
24	Mining fuzzy association rules in a bank-account database. IEEE Transactions on Fuzzy Systems, 2003, 11, 238-248.	6.5	72
25	An effective Bayesian model for lithofacies estimation using geophysical data. Water Resources Research, 2003, 39, .	1.7	19
26	A visual approach for fuzzy rule induction. , 0, , .		2
27	Data mining for building neural protein sequence classification systems with improved performance. , 0, , .		2
28	grSOM: a granular extension of the self-organizing map for structure identification applications. , 0, , .		3
29	Discovering interesting knowledge from a science and technology database with a genetic algorithm. Applied Soft Computing Journal, 2004, 4, 121-137.	4.1	31
30	Granular self-organizing map (grSOM) neural network for industrial quality control. , 2005, , .		1
31	Mining changes in association rules: a fuzzy approach. Fuzzy Sets and Systems, 2005, 149, 87-104.	1.6	54
32	Targeting customers via discovery knowledge for the insurance industry. Expert Systems With Applications, 2005, 29, 291-299.	4.4	33
34	Attribute Clustering for Grouping, Selection, and Classification of Gene Expression Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2005, 2, 83-101.	1.9	159
35	Granular Auto-regressive Moving Average (grARMA) Model for Predicting a Distribution from Other Distributions. Real-world Applications. , 2006, , .		5
36	Granular computing for data mining. , 2006, , .		47
37	A New Feature Selection Criterion for Fuzzy Classification. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
38	A Multicriteria Approach to Data Summarization Using Concept Ontologies. IEEE Transactions on Fuzzy Systems, 2006, 14, 767-780.	6.5	42
39	Data Mining for Building Rule-based Fault Diagnosis Systems. , 2006, , .		0
40	Fuzzy lattice reasoning (FLR) classifier and its application for ambient ozone estimation. International Journal of Approximate Reasoning, 2007, 45, 152-188.	1.9	108
41	Fuzzy rule extraction from typicality and membership partitions. , 2008, , .		3
42	Recent developments in granular computing: A bibliometrics study. , 2008, , .		22
43	An efficient psFCM Clustering Algorithm. , 2009, , .		0
44	Data mining by attribute generalization with fuzzy hierarchies in fuzzy databases. Fuzzy Sets and Systems, 2009, 160, 2206-2223.	1.6	23
45	An examination and comparison of conflicting data in granulized datasets: EWI vs. EFI. , 2010, , .		0
46	Linguistic summarization using IF-THEN rules. , 2010, , .		28
47	Linguistic Summarization Using IF-THEN Rules and Interval Type-2 Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2011, 19, 136-151.	6.5	100
48	An application of fuzzy information granulation in the emerging area of online sports. Expert Systems With Applications, 2011, 38, 4514-4521.	4.4	2
49	An observer based adaptive iterative learning control for robotic systems. , 2011, , .		5
50	Apply different fuzzy integrals in unit selection problem of real time strategy game. , 2011, , .		8
51	Hierarchical structures based on intuitionistic fuzzy tolerance relations. , 2012, , .		1
52	Visual, linguistic data mining using Self- Organizing Maps. , 2012, , .		3
53	On the Fundamental Differences Between Interval Type-2 and Type-1 Fuzzy Logic Controllers. IEEE Transactions on Fuzzy Systems, 2012, 20, 832-848.	6.5	276
54	Detection of Fuzzy Association Rules by Fuzzy Transforms. Advances in Fuzzy Systems, 2012, 2012, 1-12.	0.6	3
55	Labeling Customers Using Discovered Knowledge Case Study: Automobile Insurance Industry. International Journal of Managing Value and Supply Chains, 2012, 3, 13-24.	0.2	1

#	ARTICLE	IF	CITATIONS
56	Granular Computing: Perspectives and Challenges. IEEE Transactions on Cybernetics, 2013, 43, 1977-1989.	6.2	448
57	Examination and comparison of conflicting data in granulated datasets: Equal width interval vs. equal frequency interval. Information Sciences, 2013, 239, 154-164.	4.0	12
58	Fuzzy clustering with Gaussian-type member ship function. , 2013, , .		0
59	Measuring the directional distance between fuzzy sets. , 2013, , .		11
60	Optimization of the Interval Type-2 Fuzzy C-Means using Particle Swarm Optimization. , 2013, , .		8
61	Extending similarity measures of interval type-2 fuzzy sets to general type-2 fuzzy sets. , 2013, , .		20
62	Similarity based applications for data-driven concept and word models based on type-1 and type-2 fuzzy sets. , 2013, , .		21
63	The hierarchical structure analysis of intuitionistic fuzzy tolerance relations. International Journal of Granular Computing, Rough Sets and Intelligent Systems, 2013, 3, 117.	0.3	1
64	Image Retrieval for Medical Imaging Using Combined Feature Fuzzy Approach. , 2014, , .		4
65	Classifying auto-MPG data set using neural network. , 2014, , .		2
66	Type-1 or interval type-2 fuzzy logic systems — On the relationship of the amount of uncertainty and FOU size. , 2014, , .		28
67	Analysing fuzzy sets through combining measures of similarity and distance. , 2014, , .		9
68	Data-intensive applications, challenges, techniques and technologies: A survey on Big Data. Information Sciences, 2014, 275, 314-347.	4.0	2,076
69	Interval type-2 fuzzy clustering algorithm using the combination of the fuzzy and possibilistic C-Mean algorithms. , 2014, , .		8
70	Linguistically summarizing hierarchical data: The case of statistical territorial data. , 2015, , .		2
71	A New Proposal for a Granular Fuzzy C-Means Algorithm. Studies in Computational Intelligence, 2015, , 47-57.	0.7	2
72	A new Interval Type-2 Fuzzy Possibilistic C-Means clustering algorithm. , 2015, , .		11
73	Metaheuristic tuning of type-II fuzzy inference systems for data mining. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
74	A Theoretical Analysis of the Fuzzy K-Means Problem. , 2016, , .		4
75	Linguistic Summaries. , 2016, , 67-99.		3
76	Interval Type-2 Fuzzy Possibilistic C-Means Clustering Algorithm. Studies in Fuzziness and Soft Computing, 2016, , 185-194.	0.6	7
77	Rough ideals under relations associated to fuzzy ideals. Information Sciences, 2016, 352-353, 121-132.	4.0	1
78	Interval Type-2 Fuzzy System Design Based on the Interval Type-2 Fuzzy C-Means Algorithm. Studies in Fuzziness and Soft Computing, 2016, , 133-146.	0.6	5
79	Interval Type-2 Fuzzy Possibilistic C-Means Optimization Using Particle Swarm Optimization. Studies in Computational Intelligence, 2017, , 63-78.	0.7	7
80	An Extension of the Fuzzy Possibilistic Clustering Algorithm Using Type-2 Fuzzy Logic Techniques. Advances in Fuzzy Systems, 2017, 2017, 1-23.	0.6	75
81	A Study on Impact of Dimensionality Reduction on Naïve Bayes Classifier. Indian Journal of Science and Technology, 2017, 10, 1-4.	0.5	1
82	A Polak-Ribière-Polyak Conjugate Gradient-Based Neuro-Fuzzy Network and its Convergence. IEEE Access, 2018, 6, 41551-41565.	2.6	14
83	Wu's Mendel Approach for Linguistic Summarization: Practical Considerations and Solutions. , 2019, , .		0
84	Possibilities for Linguistic Summaries in Cognitive Cities. Studies in Systems, Decision and Control, 2019, , 47-84.	0.8	4
85	The fuzzification issue in the Wu's Mendel approach for linguistic summarisation using IF-THEN rules. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 117-136.	1.8	2
86	Handling subjective information through augmented (fuzzy) computation. Fuzzy Sets and Systems, 2020, 391, 47-71.	1.6	3
87	Generating Quality IF-THEN Rules for Diabetes using Linguistic Summarization. , 2020, , .		0
88	Fuzzy-Based Kernelized Clustering Algorithms for Handling Big Data Using Apache Spark. Advances in Intelligent Systems and Computing, 2021, , 423-435.	0.5	3
89	Designing Type-2 Fuzzy Systems Using the Interval Type-2 Fuzzy C-Means Algorithm. Studies in Computational Intelligence, 2014, , 37-50.	0.7	12
90	Using k-Nearest Neighbor and Feature Selection as an Improvement to Hierarchical Clustering. Lecture Notes in Computer Science, 2004, , 191-200.	1.0	9
91	Restoration of Double-Sided Ancient Music Documents with Bleed-Through. , 2007, , 940-949.		5

#	ARTICLE	IF	CITATIONS
92	Granular Support Vector Machine Based Method for Prediction of Solubility of Proteins on Overexpression in Escherichia Coli. , 2007, , 406-415.		5
94	Visual decision support system for the assessment of steel production efficiency. Revue De Metallurgie, 2010, 107, 145-154.	0.3	1
95	Augmenting Statistical Data Dissemination by Short Quantified Sentences of Natural Language. Journal of Official Statistics, 2018, 34, 981-1010.	0.1	23
96	A Greedy Correlation Measure Based Attribute Clustering Algorithm for Gene Selection. Journal of Computers, 2013, 8, .	0.4	3
97	A Data Mining Method for Short-term Load Forecasting in Power Systems. IEEJ Transactions on Power and Energy, 2001, 121, 234-241.	0.1	4
98	Short-term Load Forecasting with Fuzzy Optimal Regression Tree. IEEJ Transactions on Power and Energy, 2001, 121, 1849-1855.	0.1	0
99	ROBUST, GENERALIZED, QUICK AND EFFICIENT AGGLOMERATIVE CLUSTERING. , 2004, , .		1
100	Generalization Data Mining in Fuzzy Object-Oriented Databases. , 2005, , 85-112.		0
101	Semantic Driven Fuzzy Clustering for Human-Centric Information Processing Applications. Studies in Computational Intelligence, 2009, , 119-151.	0.7	0
103	Measuring the Directional Distance between Fuzzy Sets. SSRN Electronic Journal, 0, , .	0.4	1
104	Scalability and Fuzzy Systems: What Parallelization Can Do. Studies in Computational Intelligence, 2014, , 291-320.	0.7	0
105	A Framework Proposal to Assess the LARG Index of a Supply Chain in a Fuzzy Context. Advances in Business Information Systems and Analytics Book Series, 2014, , 550-571.	0.3	1
107	Fuzzy-Based Shapelets for Mining Climate Change Time Series Patterns. Lecture Notes in Computer Science, 2015, , 38-50.	1.0	1
108	MINING FUZZY ASSOCIATION RULES USING VARIOUS ALGORITHMS: A SURVEY. I-manager S Journal on Computer Science, 2016, 4, 1.	0.2	0
110	Merging Validity and Coverage for Measuring Quality of Data Summaries. Advances in Intelligent Systems and Computing, 2017, , 71-85.	0.5	2
111	Mining and Linguistically Interpreting Summaries from Surveyed Data Related to Financial Literacy and Behaviour. Communications in Computer and Information Science, 2018, , 67-83.	0.4	0
112	Philosophical Foundation for Granular Computing. , 2020, , 1-22.		0
113	A Framework Proposal to Assess the LARG Index of a Supply Chain in a Fuzzy Context. , 0, , 299-321.		1

#	ARTICLE	IF	CITATIONS
114	Detecting and Verifying Dissimilar Patterns in Unlabelled Data. , 2005, , 247-258.		0
115	A Complexity Theoretical Study of Fuzzy K -Means. ACM Transactions on Algorithms, 2020, 16, 1-25.	0.9	1
116	A New Intelligent Jamming Attacks Detection using FCM clustering technique Based on Data Mining for Wireless Communication. , 2021, , .		1
117	A New Quality Measure and Visualization of the Short-Quantified Sentences of Natural Language on Maps â€“ A Case on COVID-19 Data. Informatica, 2022, , 321-342.	1.5	2
118	Intuitionistic and Interval-Valued Fuzzy Set Representations for Data Mining. Algorithms, 2022, 15, 249.	1.2	1
119	Philosophical Foundation for Granular Computing. , 2023, , 177-197.		0