

Imbalanced enterprise credit evaluation with DTE-SBD SMOTE and bagging with differentiated sampling rates

Information Sciences

425, 76-91

DOI: [10.1016/j.ins.2017.10.017](https://doi.org/10.1016/j.ins.2017.10.017)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Statistical comparisons of active learning strategies over multiple datasets. Knowledge-Based Systems, 2018, 145, 274-288.	4.0	41
2	Cluster validation using an ensemble of supervised classifiers. Knowledge-Based Systems, 2018, 145, 134-144.	4.0	22
3	The Study of Synthetic Minority Over-sampling Technique (SMOTE) and Weighted Extreme Learning Machine for Handling Imbalance Problem on Multiclass Microarray classification. , 2018, , .		6
4	Embedding Undersampling Rotation Forest for Imbalanced Problem. Computational Intelligence and Neuroscience, 2018, 2018, 1-15.	1.1	5
5	An Experimental Perspective on Sampling Methods for Imbalanced Learning From Financial Databases. , 2018, , .		0
6	Hybrid Prediction Model for Type 2 Diabetes and Hypertension Using DBSCAN-Based Outlier Detection, Synthetic Minority Over Sampling Technique (SMOTE), and Random Forest. Applied Sciences (Switzerland), 2018, 8, 1325.	1.3	151
7	Are we meeting a deadline? classification goal achievement in time in the presence of imbalanced data. Knowledge-Based Systems, 2018, 160, 278-295.	4.0	9
8	An effective and efficient approach to classification with incomplete data. Knowledge-Based Systems, 2018, 154, 1-16.	4.0	24
10	Imbalanced data classification using MapReduce and relief. Journal of Information and Telecommunication, 2018, 2, 217-230.	2.2	5
11	Cost-sensitive SVDD models based on a sample selection approach. Applied Intelligence, 2018, 48, 4247-4266.	3.3	6
12	An empirical comparison on state-of-the-art multi-class imbalance learning algorithms and a new diversified ensemble learning scheme. Knowledge-Based Systems, 2018, 158, 81-93.	4.0	150
13	Fuzzy rule-based oversampling technique for imbalanced and incomplete data learning. Knowledge-Based Systems, 2018, 158, 154-174.	4.0	32
14	Exploring the synergetic effects of sample types on the performance of ensembles for credit risk and corporate bankruptcy prediction. Information Fusion, 2019, 47, 88-101.	11.7	92
15	A new adaptive weighted imbalanced data classifier via improved support vector machines with high-dimension nature. Knowledge-Based Systems, 2019, 185, 104933.	4.0	20
16	Integration of Ensemble and Evolutionary Machine Learning Algorithms for Monitoring Diver Behavior Using Physiological Signals. IEEE Access, 2019, 7, 98971-98992.	2.6	34
17	Dynamic Synthetic Minority Over-Sampling Technique-Based Rotation Forest for the Classification of Imbalanced Hyperspectral Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2159-2169.	2.3	50
18	A MCDM-Based Evaluation Approach for Imbalanced Classification Methods in Financial Risk Prediction. IEEE Access, 2019, 7, 84897-84906.	2.6	47
19	Weighted SMOTE-Ensemble Algorithms: Evidence from Chinese Imbalance Credit Approval Instances. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
20	A novel feature selection approach based on multiple filters and new separable degree index for credit scoring. , 2019, , .		2
21	Default prediction in P2P lending from high-dimensional data based on machine learning. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122370.	1.2	46
22	Profit-based credit scoring based on robust optimization and feature selection. Information Sciences, 2019, 500, 190-202.	4.0	28
23	A fast and accurate approach for bankruptcy forecasting using squared logistics loss with GPU-based extreme gradient boosting. Information Sciences, 2019, 494, 294-310.	4.0	51
24	Self-adaptive cost weights-based support vector machine cost-sensitive ensemble for imbalanced data classification. Information Sciences, 2019, 487, 31-56.	4.0	117
25	A novel Bagged Naïve Bayes-Decision Tree approach for multi-class classification problems. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2261-2271.	0.8	20
26	Predictive Analysis from numerical and experimental data in press hardening. IOP Conference Series: Materials Science and Engineering, 2019, 651, 012060.	0.3	4
27	KNORA-IU: Improving the Dynamic Selection Prediction in Imbalanced Credit Scoring Problems. , 2019, , .		2
28	Intrusion Detection System as Audit in IoT Infrastructure using Ensemble Learning and SMOTE Method. , 2019, , .		2
29	Minority oversampling for imbalanced ordinal regression. Knowledge-Based Systems, 2019, 166, 140-155.	4.0	28
30	Credit scoring for a microcredit data set using the synthetic minority oversampling technique and ensemble classifiers. Expert Systems, 2019, 36, e12363.	2.9	29
31	Feature selection for imbalanced data based on neighborhood rough sets. Information Sciences, 2019, 483, 1-20.	4.0	117
32	Selection-based resampling ensemble algorithm for nonstationary imbalanced stream data learning. Knowledge-Based Systems, 2019, 163, 705-722.	4.0	41
33	Transfer learning-based default prediction model for consumer credit in China. Journal of Supercomputing, 2019, 75, 862-884.	2.4	22
34	Chain based sampling for monotonic imbalanced classification. Information Sciences, 2019, 474, 187-204.	4.0	19
35	Bankruptcy prediction for small- and medium-sized companies using severely imbalanced datasets. Economic Modelling, 2020, 84, 165-176.	1.8	52
36	Heterogeneous ensemble learning with feature engineering for default prediction in peer-to-peer lending in China. World Wide Web, 2020, 23, 23-45.	2.7	14
37	A heterogeneous online learning ensemble for non-stationary environments. Knowledge-Based Systems, 2020, 188, 104983.	4.0	32

#	ARTICLE	IF	CITATIONS
38	Cost-sensitive semi-supervised selective ensemble model for customer credit scoring. Knowledge-Based Systems, 2020, 189, 105118.	4.0	47
39	Understanding the apparent superiority of over-sampling through an analysis of local information for class-imbalanced data. Expert Systems With Applications, 2020, 158, 113026.	4.4	52
40	Class-imbalanced dynamic financial distress prediction based on Adaboost-SVM ensemble combined with SMOTE and time weighting. Information Fusion, 2020, 54, 128-144.	11.7	208
41	Integrating MTS with bagging strategy for class imbalance problems. International Journal of Machine Learning and Cybernetics, 2020, 11, 1217-1230.	2.3	16
42	Instance-based entropy fuzzy support vector machine for imbalanced data. Pattern Analysis and Applications, 2020, 23, 1183-1202.	3.1	6
43	Ensemble learning via constraint projection and undersampling technique for class-imbalance problem. Soft Computing, 2020, 24, 4711-4727.	2.1	7
44	Conditional Wasserstein generative adversarial network-gradient penalty-based approach to alleviating imbalanced data classification. Information Sciences, 2020, 512, 1009-1023.	4.0	103
45	Entropy and gravitation based dynamic radius nearest neighbor classification for imbalanced problem. Knowledge-Based Systems, 2020, 193, 105474.	4.0	15
46	Robust boosting via self-sampling. Knowledge-Based Systems, 2020, 193, 105424.	4.0	2
47	Predicting firm failure in the software industry. Artificial Intelligence Review, 2020, 53, 4161-4182.	9.7	13
48	A dynamic financial distress forecast model with multiple forecast results under unbalanced data environment. Knowledge-Based Systems, 2020, 192, 105365.	4.0	33
49	A novel dynamic ensemble selection classifier for an imbalanced data set: An application for credit risk assessment. Knowledge-Based Systems, 2020, 208, 106462.	4.0	48
50	Stator Single-Line-to-Ground Fault Protection for Bus-Connected Powerformers Based on S-Transform and Bagging Ensemble Learning. IEEE Access, 2020, 8, 88322-88332.	2.6	9
51	DRaWS: A dual random-walk based sampling method to efficiently estimate distributions of degree and clique size over social networks. Knowledge-Based Systems, 2020, 198, 105891.	4.0	10
52	Joint label-specific features and label correlation for multi-label learning with missing label. Applied Intelligence, 2020, 50, 4029-4049.	3.3	25
53	Leveraging random forest in micro-enterprises credit risk modelling for accuracy and interpretability. International Journal of Finance and Economics, 2022, 27, 3713-3729.	1.9	30
54	Evaluating the credit risk of SMEs using legal judgments. Decision Support Systems, 2020, 136, 113364.	3.5	35
55	Adaptive Decision Threshold-Based Extreme Learning Machine for Classifying Imbalanced Multi-label Data. Neural Processing Letters, 2020, 52, 2151-2173.	2.0	10

#	ARTICLE	IF	CITATIONS
56	A Novel Ensemble Learning Paradigm for Medical Diagnosis With Imbalanced Data. IEEE Access, 2020, 8, 171263-171280.	2.6	37
57	Detecting congestive heart failure by extracting multimodal features with synthetic minority oversampling technique (SMOTE) for imbalanced data using robust machine learning techniques. Waves in Random and Complex Media, 2022, 32, 1079-1102.	1.6	15
58	A Novel GSCI-Based Ensemble Approach for Credit Scoring. IEEE Access, 2020, 8, 222449-222465.	2.6	14
59	Assessment on the crash risk factors of a typical long-span bridge using oversampling-based classification method and considering bridge structure movement. International Journal of Transportation Science and Technology, 2020, 10, 329-329.	2.0	3
60	Intelligent fault diagnosis of rolling bearings based on normalized CNN considering data imbalance and variable working conditions. Knowledge-Based Systems, 2020, 199, 105971.	4.0	220
61	Enhanced automatic twin support vector machine for imbalanced data classification. Pattern Recognition, 2020, 107, 107442.	5.1	20
62	Boosting label weighted extreme learning machine for classifying multi-label imbalanced data. Neurocomputing, 2020, 403, 360-370.	3.5	20
63	Joint imbalanced classification and feature selection for hospital readmissions. Knowledge-Based Systems, 2020, 200, 106020.	4.0	65
64	A Light-Weight Replay Detection Framework For Voice Controlled IoT Devices. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 982-996.	7.3	33
65	Ensemble feature selection in high dimension, low sample size datasets: Parallel and serial combination approaches. Knowledge-Based Systems, 2020, 203, 106097.	4.0	57
66	A hybrid sampling algorithm combining M-SMOTE and ENN based on Random forest for medical imbalanced data. Journal of Biomedical Informatics, 2020, 107, 103465.	2.5	123
67	Credit Risk Assessment for Small and Microsized Enterprises Using Kernel Feature Selection-Based Multiple Criteria Linear Optimization Classifier: Evidence from China. Complexity, 2020, 2020, 1-16.	0.9	1
68	A multimodal generative and fusion framework for recognizing faculty homepages. Information Sciences, 2020, 525, 205-220.	4.0	5
69	Resampling ensemble model based on data distribution for imbalanced credit risk evaluation in P2P lending. Information Sciences, 2020, 536, 120-134.	4.0	65
70	One-class support vector classifiers: A survey. Knowledge-Based Systems, 2020, 196, 105754.	4.0	65
71	Combining multi-label classifiers based on projections of the output space using Evolutionary algorithms. Knowledge-Based Systems, 2020, 196, 105770.	4.0	11
72	A novel approach to define the local region of dynamic selection techniques in imbalanced credit scoring problems. Expert Systems With Applications, 2020, 152, 113351.	4.4	23
73	A novel random forest approach for imbalance problem in crime linkage. Knowledge-Based Systems, 2020, 195, 105738.	4.0	28

#	ARTICLE	IF	CITATIONS
74	A deep multimodal generative and fusion framework for class-imbalanced multimodal data. Multimedia Tools and Applications, 2020, 79, 25023-25050.	2.6	6
75	An ensemble imbalanced classification method based on model dynamic selection driven by data partition hybrid sampling. Expert Systems With Applications, 2020, 160, 113660.	4.4	43
76	A real-time crash prediction fusion framework: An imbalance-aware strategy for collision avoidance systems. Transportation Research Part C: Emerging Technologies, 2020, 118, 102708.	3.9	35
77	Ten-year evolution on credit risk research: a systematic literature review approach and discussion. Ingenieria E Investigacion, 2020, 40, .	0.2	4
78	Optimizing predictive precision in imbalanced datasets for actionable revenue change prediction. European Journal of Operational Research, 2020, 285, 1095-1113.	3.5	9
79	Incremental learning imbalanced data streams with concept drift: The dynamic updated ensemble algorithm. Knowledge-Based Systems, 2020, 195, 105694.	4.0	44
80	Dynamic imbalanced business credit evaluation based on Learn++ with sliding time window and weight sampling and FCM with multiple kernels. Information Sciences, 2020, 520, 305-323.	4.0	21
81	Adaptive weighted over-sampling for imbalanced datasets based on density peaks clustering with heuristic filtering. Information Sciences, 2020, 519, 43-73.	4.0	47
82	GEV-NN: A deep neural network architecture for class imbalance problem in binary classification. Knowledge-Based Systems, 2020, 194, 105534.	4.0	25
83	Exploring ubiquitous relations for boosting classification and localization. Knowledge-Based Systems, 2020, 196, 105824.	4.0	8
84	Distance-based Bootstrap Sampling in Bagging for Imbalanced Data-Set. , 2020, , .		4
85	Individual credit ranking by an integrated interval type-2 trapezoidal fuzzy Electre methodology. Soft Computing, 2020, 24, 16149-16163.	2.1	34
86	Imbalanced credit risk evaluation based on multiple sampling, multiple kernel fuzzy self-organizing map and local accuracy ensemble. Applied Soft Computing Journal, 2020, 91, 106262.	4.1	24
87	Penalized multiple distribution selection method for imbalanced data classification. Knowledge-Based Systems, 2020, 196, 105833.	4.0	9
88	A benchmark of machine learning approaches for credit score prediction. Expert Systems With Applications, 2021, 165, 113986.	4.4	102
89	A multiclass classification using one-versus-all approach with the differential partition sampling ensemble. Engineering Applications of Artificial Intelligence, 2021, 97, 104034.	4.3	13
90	On the class overlap problem in imbalanced data classification. Knowledge-Based Systems, 2021, 212, 106631.	4.0	111
91	A new deep learning ensemble credit risk evaluation model with an improved synthetic minority oversampling technique. Applied Soft Computing Journal, 2021, 98, 106852.	4.1	104

#	ARTICLE	IF	CITATIONS
92	A heterogeneous ensemble credit scoring model based on adaptive classifier selection: An application on imbalanced data. International Journal of Finance and Economics, 2021, 26, 4372-4385.	1.9	14
93	I-SiamIDS: an improved Siam-IDS for handling class imbalance in network-based intrusion detection systems. Applied Intelligence, 2021, 51, 1133-1151.	3.3	84
94	Intelligent Pneumonia Identification From Chest X-Rays: A Systematic Literature Review. IEEE Access, 2021, 9, 51747-51771.	2.6	30
95	Construction of Credit Evaluation Index System for Two-Stage Bayesian Discrimination: An Empirical Analysis of Small Chinese Enterprises. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	3
96	Exploring novel hybrid soft computing models for landslide susceptibility mapping in Son La hydropower reservoir basin. Geomatics, Natural Hazards and Risk, 2021, 12, 1688-1714.	2.0	8
97	Machine Learning in Credit Risk Modeling: Empirical Application of Neural Network Approaches. Studies in Computational Intelligence, 2021, , 417-435.	0.7	2
98	A Novel Method for Credit Scoring Based on Cost-Sensitive Neural Network Ensemble. IEEE Access, 2021, 9, 78521-78537.	2.6	17
99	Research on Quantitative Stock Selection Method Based on Random Forest. , 2021, , 509-522.		0
100	Aspect Based Multi-Labeling Using SVM Based Ensembler. IEEE Access, 2021, 9, 26026-26040.	2.6	14
101	Cost-sensitive probability for weighted voting in an ensemble model for multi-class classification problems. Applied Intelligence, 2021, 51, 4908-4932.	3.3	10
102	Using Machine Learning for Risk Classification in Brazilian Federal Voluntary Transfers. Lecture Notes in Computer Science, 2021, , 167-179.	1.0	0
103	Robust twin bounded support vector machines for outliers and imbalanced data. Applied Intelligence, 2021, 51, 5314-5343.	3.3	28
104	Beyond AP: a new evaluation index for multiclass classification task accuracy. Applied Intelligence, 2021, 51, 7166-7176.	3.3	5
105	A method of credit evaluation modeling based on block-wise missing data. Applied Intelligence, 2021, 51, 6859-6880.	3.3	3
108	A new hybrid equilibrium optimized SysFor based geospatial data mining for tropical storm-induced flash flood susceptible mapping. Journal of Environmental Management, 2021, 280, 111858.	3.8	15
109	An Intelligent Fusion Algorithm and Its Application Based on Subgroup Migration and Adaptive Boosting. Symmetry, 2021, 13, 569.	1.1	1
110	Imbalanced Learning with Oversampling based on Classification Contribution Degree. Advanced Theory and Simulations, 2021, 4, 2100031.	1.3	7
111	Personal Credit Default Discrimination Model Based on Super Learner Ensemble. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	2

#	ARTICLE	IF	CITATIONS
112	Noise-adaptive synthetic oversampling technique. Applied Intelligence, 2021, 51, 7827-7836.	3.3	15
113	A novel multi-stage ensemble model with multiple K-means-based selective undersampling: An application in credit scoring. Journal of Intelligent and Fuzzy Systems, 2021, 40, 9471-9484.	0.8	9
114	A novel dynamic credit risk evaluation method using data envelopment analysis with common weights and combination of multi-attribute decision-making methods. Computers and Operations Research, 2021, 129, 105223.	2.4	37
115	Dynamic financial distress prediction based on class-imbalanced data batches. International Journal of Financial Engineering, 2021, 08, 2150026.	0.2	3
116	The ensemble of density-sensitive SVDD classifier based on maximum soft margin for imbalanced datasets. Knowledge-Based Systems, 2021, 219, 106897.	4.0	9
117	Relevant information undersampling to support imbalanced data classification. Neurocomputing, 2021, 436, 136-146.	3.5	32
118	How to identify early defaults in online lending: A cost-sensitive multi-layer learning framework. Knowledge-Based Systems, 2021, 221, 106963.	4.0	21
119	A cluster-based intelligence ensemble learning method for classification problems. Information Sciences, 2021, 560, 386-409.	4.0	23
120	Multi-class financial distress prediction based on support vector machines integrated with the decomposition and fusion methods. Information Sciences, 2021, 559, 153-170.	4.0	63
121	Bank predictions for prospective long-term deposit investors using machine learning LightGBM and SMOTE. Journal of Physics: Conference Series, 2021, 1918, 042143.	0.3	1
122	Handling the imbalanced data with missing value elimination SMOTE in the classification of the relevance education background with graduates employment. IAES International Journal of Artificial Intelligence, 2021, 10, 346.	0.6	3
123	Enhancing Machine Learning Algorithms to Assess Rock Burst Phenomena. Geotechnical and Geological Engineering, 2021, 39, 5787-5809.	0.8	9
124	Machine learning classification of texture features of MRI breast tumor and peri-tumor of combined pre- and early treatment predicts pathologic complete response. BioMedical Engineering OnLine, 2021, 20, 63.	1.3	28
125	One-class ensemble classifier for data imbalance problems. Applied Intelligence, 2022, 52, 17073-17089.	3.3	21
126	Class-Decomposition and Augmentation for Imbalanced Data Sentiment Analysis. , 2021, , .		0
127	Impact of resampling methods and classification models on the imbalanced credit scoring problems. Information Sciences, 2021, 569, 508-526.	4.0	30
128	Multi-grained and multi-layered gradient boosting decision tree for credit scoring. Applied Intelligence, 2022, 52, 5325-5341.	3.3	15
129	A combination of clustering-based under-sampling with ensemble methods for solving imbalanced class problem in intelligent systems. Technological Forecasting and Social Change, 2021, 169, 120796.	6.2	9

#	ARTICLE	IF	CITATIONS
130	Conditional Wasserstein Generative Adversarial Networks for Rebalancing Iris Image Datasets. IEICE Transactions on Information and Systems, 2021, E104.D, 1450-1458.	0.4	3
131	Research on Risk Analysis and Countermeasures of Micro Store Operation Model. Journal of Organizational and End User Computing, 2021, 33, 98-110.	1.6	3
132	Business Anomaly Detection Method of Power Dispatching Automation System Based on Clustering Under-Sampling in the Boundary Region. Journal of Physics: Conference Series, 2021, 2025, 012026.	0.3	0
133	A cluster-based oversampling algorithm combining SMOTE and k-means for imbalanced medical data. Information Sciences, 2021, 572, 574-589.	4.0	77
134	Threshold effects of energy consumption, technological innovation, and supply chain management on enterprise performance in China's manufacturing industry. Journal of Environmental Management, 2021, 300, 113687.	3.8	37
135	Decision Support Proposal for Imbalanced Clinical Data. Advances in Healthcare Information Systems and Administration Book Series, 2022, , 168-200.	0.2	0
136	SMOTE-Based Weighted Deep Rotation Forest for the Imbalanced Hyperspectral Data Classification. Remote Sensing, 2021, 13, 464.	1.8	14
137	An AI-Application-Oriented In-Class Teaching Evaluation Model by Using Statistical Modeling and Ensemble Learning. Sensors, 2021, 21, 241.	2.1	27
138	Medical Imbalanced Data Classification Based on Random Forests. Advances in Intelligent Systems and Computing, 2020, , 81-91.	0.5	4
140	Evolving interval-based representation for multiple classifier fusion. Knowledge-Based Systems, 2020, 201-202, 106034.	4.0	9
141	A Novel Multi-Stage Ensemble Model With a Hybrid Genetic Algorithm for Credit Scoring on Imbalanced Data. IEEE Access, 2021, 9, 143593-143607.	2.6	4
142	LMNNB: Two-in-One imbalanced classification approach by combining metric learning and ensemble learning. Applied Intelligence, 2022, 52, 7870-7889.	3.3	5
143	SVDD boundary and DPC clustering technique-based oversampling approach for handling imbalanced and overlapped data. Knowledge-Based Systems, 2021, 234, 107588.	4.0	13
144	Credit Rating Based on Hybrid Sampling and Dynamic Ensemble. Advances in Intelligent Systems and Computing, 2021, , 338-347.	0.5	0
145	Entropy difference and kernel-based oversampling technique for imbalanced data learning. Intelligent Data Analysis, 2020, 24, 1239-1255.	0.4	4
146	A Systematic Approach to Enhance the Forecasting of Bankruptcy Data. Advances in Intelligent Systems and Computing, 2020, , 641-650.	0.5	0
147	The Application of Artificial Intelligence Tools in Creditworthiness Modelling for SME Entities. , 2021, , ,		1
148	FINANCIAL DISTRESS PREDICTION: A NOVEL DATA SEGMENTATION RESEARCH ON CHINESE LISTED COMPANIES. Technological and Economic Development of Economy, 2021, 27, 1413-1446.	2.3	3

#	ARTICLE	IF	CITATIONS
149	Feature selection via minimizing global redundancy for imbalanced data. <i>Applied Intelligence</i> , 2022, 52, 8685-8707.	3.3	4
150	SMOTE-ENN-Based Data Sampling and Improved Dynamic Ensemble Selection for Imbalanced Medical Data Classification. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 37-49.	0.5	11
151	Imbalanced credit risk prediction based on SMOTE and multi-kernel FCM improved by particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2022, 114, 108153.	4.1	23
152	Wearable IMU-Based Human Activity Recognition Algorithm for Clinical Balance Assessment Using 1D-CNN and GRU Ensemble Model. <i>Sensors</i> , 2021, 21, 7628.	2.1	25
153	SVDD-based weighted oversampling technique for imbalanced and overlapped dataset learning. <i>Information Sciences</i> , 2022, 588, 13-51.	4.0	28
154	Forecasting Financial Distress With Machine Learning – A Review. <i>Future Studies Research Journal: Trends and Strategies</i> , 2020, 12, 528-574.	0.2	2
155	Comparative analysis of methods for imbalance elimination of emotion classes in video data of facial expressions. <i>Scientific and Technical Journal of Information Technologies, Mechanics and Optics</i> , 2020, 20, 683-691.	0.1	6
156	A review of data mining methods in financial markets. <i>Data Science in Finance and Economics</i> , 2021, 1, 362-392.	0.7	7
157	Bankruptcy Prediction Using Artificial Intelligence Techniques: A Survey. <i>Lecture Notes in Networks and Systems</i> , 2022, , 335-360.	0.5	2
158	Interpretable Credit Risk Assessment Based on Heuristic Knowledge Extraction Method. , 2021, , .		0
159	An effective framework using identification and image reconstruction algorithm for train component defect detection. <i>Applied Intelligence</i> , 2022, 52, 10116-10134.	3.3	5
160	Combining weighted SMOTE with ensemble learning for the class-imbalanced prediction of small business credit risk. <i>Complex & Intelligent Systems</i> , 2023, 9, 3559-3579.	4.0	19
161	Classification algorithm for class imbalanced data based on optimized Mahalanobis-Taguchi system. <i>Applied Intelligence</i> , 2022, 52, 10674-10691.	3.3	6
162	Anticipating financial distress of high-tech startups in the European Union: A machine learning approach for imbalanced samples. <i>Journal of Forecasting</i> , 2022, 41, 1131-1155.	1.6	14
163	The gap between credit rating theory and practice: evidence from bond issuers in China. <i>Procedia Computer Science</i> , 2022, 199, 962-968.	1.2	0
164	Enterprise credit risk prediction using supply chain information: A decision tree ensemble model based on the differential sampling rate, Synthetic Minority Oversampling Technique and <sc>AdaBoost</sc>. <i>Expert Systems</i> , 2022, 39, .	2.9	13
165	Credit Evaluation of SMEs Based on GBDT-CNN-LR Hybrid Integrated Model. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-8.	0.8	2
166	On Supervised Class-Imbalanced Learning: An Updated Perspective and Some Key Challenges. <i>IEEE Transactions on Artificial Intelligence</i> , 2022, 3, 973-993.	3.4	15

#	ARTICLE	IF	CITATIONS
167	Improving financial distress prediction using textual sentiment of annual reports. <i>Annals of Operations Research</i> , 0, , 1.	2.6	7
168	SCLAVOEM: hyper parameter optimization approach to predictive modelling of COVID-19 infodemic tweets using smote and classifier vote ensemble. <i>Soft Computing</i> , 2023, 27, 3531-3550.	2.1	8
169	Intelligent fault diagnosis of rolling bearing based on novel CNN model considering data imbalance. <i>Applied Intelligence</i> , 2022, 52, 16281-16293.	3.3	19
170	Review of Multi-Criteria Decision-Making Methods in Finance Using Explainable Artificial Intelligence. <i>Frontiers in Artificial Intelligence</i> , 2022, 5, 827584.	2.0	11
171	A hybrid resampling algorithms SMOTE and ENN based deep learning models for identification of Marburg virus inhibitors. <i>Future Medicinal Chemistry</i> , 2022, 14, 701-715.	1.1	4
172	Multi-view representation learning with Kolmogorov-Smirnov to predict default based on imbalanced and complex dataset. <i>Information Sciences</i> , 2022, 596, 380-394.	4.0	9
173	Voice spoofing detector: A unified anti-spoofing framework. <i>Expert Systems With Applications</i> , 2022, 198, 116770.	4.4	17
174	A novel ensemble feature selection method by integrating multiple ranking information combined with an SVM ensemble model for enterprise credit risk prediction in the supply chain. <i>Expert Systems With Applications</i> , 2022, 200, 117002.	4.4	32
175	RMkNN and KNORA-IU: Combining Imbalanced Dynamic Selection Techniques for Credit Scoring. , 2021, , .		0
176	Deep Learning Based on Hierarchical Self-Attention for Finance Distress Prediction Incorporating Text. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-11.	1.1	4
177	Table2Vec-automated universal representation learning of enterprise data DNA for benchmarkable and explainable enterprise data science. <i>Scientific Reports</i> , 2021, 11, 23957.	1.6	0
178	A Novel Deep Neural Network Model for Credit Risk Prediction of Chinese Farmers. , 2021, , .		1
179	Discriminant Feature Selection via Minimizing the Minority-emphasis Regularization to Within-class Matrix for Imbalanced Data. , 2021, , .		0
180	A novel XGBoost extension for credit scoring class-imbalanced data combining a generalized extreme value link and a modified focal loss function. <i>Expert Systems With Applications</i> , 2022, 202, 117233.	4.4	28
181	Deep instance envelope network-based imbalance learning algorithm with multilayer fuzzy C-means clustering and minimum interlayer discrepancy. <i>Applied Soft Computing Journal</i> , 2022, 123, 108846.	4.1	4
182	The Representation Jensen-Rényi Divergence. , 2022, , .		0
183	Handling imbalanced data for aircraft predictive maintenance using the BACHE algorithm. <i>Applied Soft Computing Journal</i> , 2022, 123, 108924.	4.1	6
184	An ensemble contrastive classification framework for imbalanced learning with sample-neighbors pair construction. <i>Knowledge-Based Systems</i> , 2022, 249, 109007.	4.0	5

#	ARTICLE	IF	CITATIONS
185	Adaptively Promoting Diversity in a Novel Ensemble Method for Imbalanced Credit-Risk Evaluation. Mathematics, 2022, 10, 1790.	1.1	2
186	On the Suitability of Bagging-Based Ensembles with Borderline Label Noise. Mathematics, 2022, 10, 1892.	1.1	1
187	Dynamic Ensemble Selection for Imbalanced Data Streams With Concept Drift. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1278-1291.	7.2	18
188	Ensemble model that minimizes the misclassification cost for imbalanced class credit data and its explanation using LIME. AIP Conference Proceedings, 2022, , .	0.3	0
189	Using social media information to predict the credit risk of listed enterprises in the supply chain. Kybernetes, 2022, ahead-of-print, .	1.2	2
190	An empirical study on the joint impact of feature selection and data resampling on imbalance classification. Applied Intelligence, 0, , .	3.3	8
191	Class balancing framework for credit card fraud detection based on clustering and similarity-based selection (SBS). International Journal of Information Technology (Singapore), 2023, 15, 325-333.	1.8	14
192	A CWGAN-GP-based multi-task learning model for consumer credit scoring. Expert Systems With Applications, 2022, 206, 117650.	4.4	8
193	Effective Classification Of Ibm Hr Analytics Employee Attrition Using Sampling Techniques. , 2022, , .		0
194	A Framework of Global Credit-Scoring Modeling Using Outlier Detection and Machine Learning in a P2P Lending Platform. Mathematics, 2022, 10, 2282.	1.1	1
195	Small and Medium-sized Enterprises Credit Risk Assessment Based on Temporal Knowledge Graphs. , 2021, , .		1
197	Improved hybrid resampling and ensemble model for imbalance learning and credit evaluation. Journal of Management Science and Engineering, 2022, 7, 511-529.	1.9	4
198	Survey on Synthetic Data Generation, Evaluation Methods and GANs. Mathematics, 2022, 10, 2733.	1.1	53
199	Credit evaluation solutions for social groups with poor services in financial inclusion: A technical forecasting method. Technological Forecasting and Social Change, 2022, 183, 121902.	6.2	5
200	Enterprise Credit Security Prediction and Evaluation Based on Multimodel Fusion. Security and Communication Networks, 2022, 2022, 1-12.	1.0	2
201	Multi-class imbalanced enterprise credit evaluation based on asymmetric bagging combined with light gradient boosting machine. Applied Soft Computing Journal, 2022, 130, 109637.	4.1	14
202	Automobile insurance claim occurrence prediction model based on ensemble learning. Applied Stochastic Models in Business and Industry, 0, , .	0.9	2
203	CDGAT: a graph attention network method for credit card defaulters prediction. Applied Intelligence, 0, , .	3.3	3

#	ARTICLE	IF	CITATIONS
204	Forecasting the yield of wafer by using improved genetic algorithm, high dimensional alternating feature selection and SVM with uneven distribution and high-dimensional data. Autonomous Intelligent Systems, 2022, 2, .	2.0	4
205	An imbalanced binary classification method based on contrastive learning using multi-label confidence comparisons within sample-neighbors pair. Neurocomputing, 2023, 517, 148-164.	3.5	5
206	A hybrid FCM-CNN method to cluster and forecast financial performance of listed companies. Journal of Intelligent and Fuzzy Systems, 2022, , 1-16.	0.8	1
207	Data Augmentation Method Based on Improved Generative Adversarial Network for the Sucker Rod Pump System. International Journal of Control, Automation and Systems, 2022, 20, 3718-3730.	1.6	1
208	Augmented data driven self-attention deep learning method for imbalanced fault diagnosis of the HVAC chiller. Engineering Applications of Artificial Intelligence, 2023, 117, 105540.	4.3	21
209	Bagging Supervised Autoencoder Classifier for credit scoring. Expert Systems With Applications, 2023, 213, 118991.	4.4	19
210	Interpreting the prediction results of the tree-based gradient boosting models for financial distress prediction with an explainable machine learning approach. Journal of Forecasting, 2023, 42, 1112-1137.	1.6	5
211	Simple Optimal Sampling Algorithm to Strengthen Digital Soil Mapping Using the Spatial Distribution of Machine Learning Predictive Uncertainty: A Case Study for Field Capacity Prediction. Land, 2022, 11, 2098.	1.2	2
212	A Hybrid Evolutionary Under-sampling Method for Handling the Class Imbalance Problem with Overlap in Credit Classification. Journal of Systems Science and Systems Engineering, 2022, 31, 728-752.	0.8	6
213	ND-S: an oversampling algorithm based on natural neighbor and density peaks clustering. Journal of Supercomputing, 0, , .	2.4	0
214	A hybrid imbalanced classification model based on data density. Information Sciences, 2023, 624, 50-67.	4.0	3
215	FROM CREDIT SCORING TO REGULATORY SCORING: COMPARING CREDIT SCORING MODELS FROM A REGULATORY PERSPECTIVE. Technological and Economic Development of Economy, 2022, 28, 1954-1990.	2.3	1
216	Majority re-sampling via sub-class clustering for imbalanced datasets. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-16.	1.8	4
217	A novel application of machine learning and zero-shot classification methods for automated abstract screening in systematic reviews. Decision Analytics Journal, 2023, 6, 100162.	2.7	10
218	A qualitatively analyzable two-stage ensemble model based on machine learning for credit risk early warning: Evidence from Chinese manufacturing companies. Information Processing and Management, 2023, 60, 103267.	5.4	6
219	Internet Financial Credit Scoring Models Based on Deep Forest and Resampling Methods. IEEE Access, 2023, 11, 8689-8700.	2.6	4
220	Financial performance evaluation and forecasting of enterprises by the combination of PCA and CNN deep learning. Frontiers of Computer Science, 2023, 17, .	1.6	1
221	Loan default prediction using a credit rating-specific and multi-objective ensemble learning scheme. Information Sciences, 2023, 629, 599-617.	4.0	8

#	ARTICLE	IF	CITATIONS
222	PEvaChain: Privacy-preserving ridge regression-based credit evaluation system using Hyperledger Fabric blockchain. <i>Expert Systems With Applications</i> , 2023, 223, 119844.	4.4	2
223	A semi-supervised resampling method for class-imbalanced learning. <i>Expert Systems With Applications</i> , 2023, 221, 119733.	4.4	7
224	Prediction-accuracy improvement of neural network to ferromagnetic multilayers by Gaussian data augmentation and ensemble learning. <i>Computational Materials Science</i> , 2023, 219, 112032.	1.4	1
225	Living with Floods Using State-of-the-Art and Geospatial Techniques: Flood Mitigation Alternatives, Management Measures, and Policy Recommendations. <i>Water (Switzerland)</i> , 2023, 15, 558.	1.2	10
226	Enterprise Event Risk Detection Based on Supply Chain Contagion. , 2022, , .		1
227	Supply chain risk management of badminton supplies company using decision tree model assisted by fuzzy comprehensive evaluation. <i>Expert Systems</i> , 0, , .	2.9	0
228	Utilizing Random Forest with iForest-Based Outlier Detection and SMOTE to Detect Movement and Direction of RFID Tags. <i>Future Internet</i> , 2023, 15, 103.	2.4	4
229	AQSA: Aspect-Based Quality Sentiment Analysis for Multi-Labeling with Improved ResNet Hybrid Algorithm. <i>Electronics (Switzerland)</i> , 2023, 12, 1298.	1.8	1
230	An ensemble learning method based on one-class and binary classification for credit scoring. <i>Journal of Circuits, Systems and Computers</i> , 0, , .	1.0	0
231	Prediction of Credit Card Loan Risk Based on Multilayer Perceptron Neural Network Model. , 0, 38, 126-134.		0
232	An Ensemble Learning Approach with Gradient Resampling for Class-Imbalance Problems. <i>INFORMS Journal on Computing</i> , 2023, 35, 747-763.	1.0	2
233	Default Feature Selection in Credit Risk Modeling: Evidence From Chinese Small Enterprises. <i>SAGE Open</i> , 2023, 13, 215824402311652.	0.8	0
234	An overlapping oriented imbalanced ensemble learning algorithm with weighted projection clustering grouping and consistent fuzzy sample transformation. <i>Information Sciences</i> , 2023, 637, 118955.	4.0	3
235	Imbalanced multi-label data classification as a bi-level optimization problem: application to miRNA-related diseases diagnosis. <i>Neural Computing and Applications</i> , 0, , .	3.2	0
241	A Novel Oversampling Technique for Imbalanced Credit Scoring Datasets. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2023, , 147-157.	0.2	0
252	Credit Risk Prediction Network Based on Semantic Feature Transformer and CNN. , 2023, , .		0
262	Open Banking API Security: Anomalous Access Behaviour. , 2023, , .		0
267	An improved under-sampling algorithm based on density Peak clustering. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------