Most cited classification papers using KEEL dataset

#	Paper	Mentioned that data was scaled?	Scaling technique(s)	Notes
1	**A generalized mean distance-based k-nearest neighbor classifier**	No		
2	**Under-sampling class imbalanced datasets by combining clustering analysis and instance selection**	No		
3	**Cost-sensitive and hybrid-attribute measure multi-decision tree over imbalanced data sets**	No		
4	**Dynamic selection of normalization techniques using data complexity measures**	Yes	Min-max, z-score	
5	**Class-specific extreme learning machine for handling binary class imbalance problem**	Yes	Min-max [-1,1]	
6	**A Local Mean Representation-based K-Nearest Neighbor Classifier**	No		
7	**General twin support vector machine with pinball loss function**	Yes	Not informed	
8	**Amended fused TOPSIS-VIKOR for classification (ATOVIC) applied to some UCI data sets**	Yes	Not informed	
9	**IMCStacking: Cost-sensitive stacking learning with feature inverse mapping for imbalanced problems**	No		
10	**Class imbalance learning using UnderBagging based kernelized extreme learning machine**	Yes	Min-max [-1,1]	
11	**UnderBagging based reduced Kernelized weighted extreme learning machine for class imbalance learning**			
12	**Class-specific kernelized extreme learning machine for binary class imbalance learning**	Yes	Min-max [-1,1]	
13	**A feature selection technique based on rough set and improvised PSO algorithm (PSORS-FS) for permission based detection of Android malwares**	No		
14	**Improving the accuracy of k-nearest neighbor using local mean based and distance weight**	No		
15	**Hybrid Incremental Ensemble Learning for Noisy Real-World Data Classification**	No		
16	**Sparse Supervised Representation-Based Classifier for Uncontrolled and Imbalanced Classification**	Yes	unit l2-norm	
17	**Robust adaptive learning approach to self-organizing maps**	Yes	Min-max	
18	**Cluster-based zero-shot learning for multivariate data**	Yes	Min-max	
19	**Imbalanced learning based on data-partition and SMOTE**	No		
20	**A new locally adaptive k-nearest neighbor algorithm based on discrimination class**	No		

#	Paper	Mentioned that data was scaled?	Scaling technique(s)	Notes
21	**Class-specific cost-sensitive boosting weighted ELM for class imbalance learning**	Yes	Min-max [-1,1]	
22	**Integration of an improved dynamic ensemble selection approach to enhance one-vs-one scheme**	No		
23	**Attribute Weighting Based K-Nearest Neighbor Using Gain Ratio**	No		
24	**Common and special knowledge-driven TSK fuzzy system and its modeling and application for epileptic EEG signals recognition**	No		
25	**A novel dynamic ensemble selection classifier for an imbalanced data set: An application for credit risk assessment**	No		
26	**NBWELM: Naive Bayesian based weighted extreme learning machine**	No		
27	**Medical diagnosis of chronic diseases based on a novel computational intelligence algorithm**	No		
28	**An adaptive fuzzy K-nearest neighbor approach for MR brain tumor image classification using parameter free bat optimization algorithm**	Yes	Not informed	
29	**A clustering based ensemble of weighted kernelized extreme learning machine for class imbalance learning**	Yes	Min-max [-1,1]	
30	**A Novel Diversity Measure and Classifier Selection Approach for Generating Ensemble Classifiers**	Yes	z-score	
31	**Semi-supervised anomaly detection algorithms: A comparative summary and future research directions**	No		
32	**Cosine K-nearest neighbor in milkfish eye classification**	No		
33	**Classifying imbalanced data using ensemble of reduced kernelized weighted extreme learning machine**	Yes	Min-max [-1,1]	
34	**Experimental study on generalization capability of extended naive bayesian classifier**	No		
35	**An intelligent feature selection approach based on moth flame optimization for medical diagnosis**	No		
36	**Cost-sensitive learning classification strategy for predicting product failures**	No		
37	**EHSO: Evolutionary Hybrid Sampling in overlapping scenarios for imbalanced learning**	No		
38	**Parameter-Free Extreme Learning Machine for Imbalanced Classification**	Yes	Not informed	
39	**An Improved Oversampling Method for imbalanced Data-SMOTE Based on Canopy and K-means**	No		

#	Paper	Mentioned that data was scaled?	Scaling technique(s)	Notes
40	**Health stages diagnostics of underwater thruster using sound features with imbalanced dataset**	No		
41	**Multi-view learning with fisher kernel and bi-bagging for imbalanced problem**	No		
42	**Feature Selection for Classification through Population Random Search with Memory**	No		
43	**Centroid Neural Network with Pairwise Constraints for Semi-supervised Learning**	No		
44	**Ensemble Strategy for Hard Classifying Samples in Class-Imbalanced Data Set**	No		
45	**Least squares KNN-based weighted multiclass twin SVM**	No		
46	**A multiclass classification using one-versus-all approach with the differential partition sampling ensemble**	No		
47	**A Hybrid Approach for Heart Disease Diagnosis and Prediction Using Machine Learning Techniques**	No		
48	**Adaptive geometric median prototype selection method for k-nearest neighbors classification**	No		
49	**Functional expansions based multilayer perceptron neural network for classification task**	Yes	Min-max[0.2, 0.8]	
50	**Ensemble and fuzzy techniques applied to imbalanced traffic congestion datasets: A comparative study**	No		
	TOTALS	16 (32%)	- 12 mentioned which technique was used; - 4 didn't inform. - Min-max was said to be used on 10 out of the 12 informed.	