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**RHC: a non-parametric cluster-based data reduction for efficient (k)-NN classification**

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**Pattern Analysis and Applications, 2016, 19, 93-109.**

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#	Paper	IF	Citations
28	Efficient editing and data abstraction by finding homogeneous clusters. <i>Annals of Mathematics and Artificial Intelligence</i> , <b>2016</b> , 76, 327-349	0.8	2
27	A self-adaptive k-means classifier for business incentive in a fashion design environment. <i>Applied Computing and Informatics</i> , <b>2018</b> , 14, 88-97	4.2	7
26	Clustering-based k-nearest neighbor classification for large-scale data with neural codes representation. <i>Pattern Recognition</i> , <b>2018</b> , 74, 531-543	7.7	56
25	Exploring the effect of data reduction on Neural Network and Support Vector Machine classification. <i>Neurocomputing</i> , <b>2018</b> , 280, 101-110	5.4	16
24	A clustering-based hybrid approach for dual data reduction. <i>International Journal of Intelligent Engineering Informatics</i> , <b>2018</b> , 6, 468	0.3	5
23	Multi-User Hybrid Beamforming Relying on Learning-Aided Link-Adaptation for mmWave Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 23197-23209	3.5	10
22	The Effect of Parallelism on Data Reduction. <b>2019</b> ,		
21	Fast Data Reduction With Granulation-Based Instances Importance Labeling. <i>IEEE Access</i> , <b>2019</b> , 7, 33587-33593	3.5	3
20	Insights Into Efficient k-Nearest Neighbor Classification With Convolutional Neural Codes. <i>IEEE Access</i> , <b>2020</b> , 8, 99312-99326	3.5	6
19	Data Reduction in the String Space for Efficient kNN Classification Through Space Partitioning. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3356	2.6	4
18	Prototype Generation for Multi-label Nearest Neighbours Classification. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 172-183	0.9	
17	Fruit-fly Inspired Neighborhood Encoding for Classification. <b>2021</b> ,		1
16	Prototype generation in the string space via approximate median for data reduction in nearest neighbor classification. <i>Soft Computing</i> , 1	3.5	2
15	Efficient k-nearest neighbor search based on clustering and adaptive k values. <i>Pattern Recognition</i> , <b>2021</b> , 122, 108356	7.7	3
14	Prototype Selection and Generation with Minority Classes Preservation. <b>2021</b> ,		
13	Applying Prototype Selection and Abstraction Algorithms for Efficient Time-Series Classification. <i>Springer Series in Bio-/neuroinformatics</i> , <b>2015</b> , 333-348		
12	Efficient Support Vector Machine Classification Using Prototype Selection and Generation. <i>IFIP Advances in Information and Communication Technology</i> , <b>2016</b> , 328-340	0.5	

11	Generating Fixed-Size Training Sets for Large and Streaming Datasets. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 88-102	0.9	1
10	Fast Tree-Based Classification via Homogeneous Clustering. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 514-524	0.9	
9	Improving Data Reduction by Merging Prototypes. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 20-32	0.9	
8	REHC: Reduction through exclusive homogeneous clusters for imbalance dataset. <i>Materials Today: Proceedings</i> , <b>2020</b> ,	1.4	
7	Dynamic k-NN Classification Based on Region Homogeneity. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 27-37	0.3	1
6	Fast data reduction by space partitioning via convex hull and MBR computation. <i>Pattern Recognition</i> , <b>2022</b> , 126, 108553	7.7	1
5	Pattern classification based on regional models. <b>2022</b> , 129, 109592		0
4	Fast Training Set Size Reduction Using Simple Space Partitioning Algorithms. <b>2022</b> , 13, 572		0
3	Uncertainty based optimal sample selection for big data. <b>2023</b> , 1-1		0
2	Data reduction via multi-label prototype generation. <b>2023</b> , 526, 1-8		0
1	K nearest neighbors classification of water masses in the western Alboran Sea using the sigma-pi diagram. <b>2023</b> , 196, 104024		0