

REFERENCES

1. Alelyani ,S, Tang ,J &Liu H 2013, 'Feature selection for clustering: A review'.
2. Al-Khateeb, TM, Masud, MM, Khan, L, Thuraisingham& Bhavani 2012 , 'Cloud Guided Stream Classification Using Class-Based Ensemble', IEEE.
3. Amanda, J& Sharkey,C 1999, ' Combining Artificial Neural Nets: Ensemble and Modular Multi-Net Systems (Perspectives in Neural Computing)', Springer Verlag.
4. Basheer, M, Al-Maqaleh& Hamid, S 2012, 'A Genetic algorithm for Discovering Classification Rules in Data Mining', International Journal of Computer Applications, vol. 41, no.18, pp. 40-44.
5. Bellman, R 1957, 'Dynamic Programming', Princeton University Press, Princeton, NJ.
6. Bezdek, JC 1981, 'Pattern Recognition with Fuzzy Objective Function Algorithms', Plenum Press, New York.
7. Bharathi,A &Natarajan, M 2010 , 'Cancer Classification of Bioinformatics data using ANOVA, International Journal of Computer Theory and Engineering, vol. 2, no. 3, pp. 1793-8201.
8. Bikash, KS, Shib, SS &Kripasindhu, C 2011, 'A genetic algorithm based rule extraction system', Applied soft computing, vol.12, pp. 238- 254.
9. Blum, AL & Langley, P 1997, 'Selection of relevant features and examples in machine learning', Artificial Intelligence, pp.245–27.
10. Bo, J, Tang, YC& Yan-Qing, Z 2007, 'Support vector machines with genetic fuzzy feature transformation for biomedical data classification', Information Sciences, pp.476-489.

11. Bolon-Canedo, VN, Sanchez-Marono & Alonso-Betanzos, A 2012, 'A review of feature selection methods on synthetic data', Knowledge and information systems, pp.1-37.
12. Boutsidis, C, Mahoney, M & Drineas, P 2009, 'Unsupervised feature selection for the k-means clustering problem', Advances in Neural Information Processing Systems, vol.22, pp.153-161.
13. Breiman, L 1996, 'Bagging Predictors', Machine Learning, vol.24, pp.123-140.
14. Breiman, L, Friedman, J, Olshen, RA & Stone, CJ 1984, 'Classification and Regression Trees', Chapman and Hall.
15. Cai, D, Zhang, C & He, X 2010, 'Unsupervised feature selection for multi-cluster data', In Proceedings of the 16th ACM SIGKDD international conference on Knowledge discovery and data mining, pp.333-342.
16. Castillo, E 1998, 'Functional Networks', Neural Processing Letters, vol. 7, pp.151-159.
17. Chen, Y, Crawford, M & Ghosh, J 2004, 'Integrating support vector machines in a hierarchical output space decomposition framework', In Proceedings of Geoscience and Remote Sensing Symposium, vol.2, pp.949-952.
18. Chen, ZG, Ren, HD & Du, XJ 2008, 'Minimax probability machine classifier with feature extraction by kernel PCA for intrusion detection', Wireless Communications, Networking and Mobile Computing, pp.1 - 4.
19. Chuang, HY 2004, 'Identifying significant genes from microarray data', Fourth IEEE symposium on bioinformatics and bioengineering, pp.350-358
20. Chuang, LY, Yang, CH, Wu, KC & Yang, CH 2011, 'A hybrid feature selection method for DNA microarray data', Computers in biology and medicine, vol.41, no.4, pp.228-237.
21. Cortes, C & Vapnik, V 1995, 'Support-vector networks', Machine Learning, vol.20, no.2, pp. 273-297.
22. Cover, TM & Hart, PE 1967, 'Nearest neighbor pattern classification', IEEE Transaction Information Theory, vol.13, no.1, pp.21- 27,

23. Cunningham, P, Carney, JG 2000, 'Diversity versus quality in classification ensembles based on feature selection', 11th European Conference on Machine Learning in: Lecture Notes in Artificial Intelligence, R. Lopez de Mantaras and E. Plaza, Springer Verlag Editions, pp. 109-116.
24. D'Alessandro, M, Esteller, R, Vachtsevanos, G, Hinson, A, Echauz, J & Litt, B 2003, 'Epileptic seizure prediction using hybrid feature selection over multiple intracranial eeg electrode contacts: a report of four patients', Biomedical Engineering, IEEE Transactions on, vol.50, no.5, pp.603-615.
25. Dasarathy, BV 1990, 'Nearest Neighbor (NN) Norms: NN Pattern Classification Techniques', IEEE Computer Society Press, Los Alamos.
26. David, O 1999, 'Feature selection for ensembles', In Proceedings of the 16th International Conference on Artificial Intelligence, pp.379–384.
27. De, FI, Della, AC & Tarantino, E 2007, 'Facing classification problems with Particle Swarm Optimization', Applied soft computing, vol.7, no.3, pp.652–658
28. Deborah , RC & Alex , AF 2005, 'A Hybrid Tree/Genetic Algorithm Method for DataMining', Applied soft computing, vol. 35, pp. 650-673.
29. Deborah, RC & Alex, AF 2007, 'A Genetic Algorithm for Discovering Small- Disjunct Rules in Data Mining', Advances in artificial intelligence.
30. Dempster, AP, Laird, NM & Rubin, DB 1977, 'Maximum Likelihood from Incomplete Data via the EM Algorithm (with Discussion)', Journal of Royal Statistical Society, vol.39, pp.1–38.
31. Dennis, B & Laura, N 2000, 'Combining heterogeneous sets of classifiers', Theoretical and experimental comparison of methods.
32. Ding, M, Tian, Z & Xu, H 2009, 'Adaptive kernel principal analysis for online feature extraction', Proceedings of World Academic Science Engineering and Technology, vol.59, pp.288-293.

33. Dopazo & Carazo, J 1997, 'Phylogenetic reconstruction using an unsupervised neural network that adopts the topology of a phylogenetic tree', *Journal of Molecular Evolution*, vol.44, pp. 226-233.
34. Dudoit, Fridly, J & Speed, TP 2002, 'Comparison of discrimination methods for the classification of tumors using gene expression data', *Journal of the American Statistical Association*, vol. 97, pp. 77-87.
35. Dy, JG 2008, 'Unsupervised feature selection', *Computational Methods of Feature Selection*, pp.19-39.
36. Eshelman, L 1991, 'The CHC Adaptive Search Algorithm: How to Have Safe Search When Engaging in Nontraditional Genetic Recombination', In *Foundations of Genetic Algorithms*, Morgan Kaufman: San Francisco, CA, USA, pp. 265-283.
37. Esposito, A, Ezin, EC & Reyes-Garcia, CA 2000, 'Designing a fast Neuro-fuzzy system for speech noise cancellation', *Lecture Notes Computer Science*.
38. Fauvel, M, Chanussot, J, Benediktsson, JA & Villa, A 2013, 'Parsimonious Mahalanobis kernel for the classification of high dimensional data', *tern Recognition*, vol.46, pp.845-854.
39. Finol, J, Guo, YK & Jing, XD 2001, 'A rule based fuzzy model for the prediction of petrophysical rock parameters', *Journal of Petroleum Science and Engineering*, vol.29, pp.97-113.
40. Forman, G 2006, 'Tackling concept drift by temporal inductive transfer', In: *SIGIR '06: Proceedings of the 29th annual international ACM SIGIR conference on research and development in information retrieval*. ACM Press, New York, pp.252-259
41. Freitas, A 2001, 'Understanding the crucial role of attribute interaction in data mining', *Artificial Intelligence Review*, vol.16, no.3, pp.177-199
42. Fuad, MA & Joseph, K 2000. 'Feature selection for an ensemble of classifiers', In *Proceedings of the 4th Multiconference on Systematics, Cybernatics, and Informatics*, pp.379-384.
43. Gan, G, Wu, J & Yang, Z 2009, 'A genetic fuzzy k-Modes algorithm for clustering categorical data', *Expert System Application*, vol.36, pp.1615-1620.

44. Garrett, D, Peterson, DA, Anderson, CW & Thaut, MH 2003, 'Comparison of linear, nonlinear, and feature selection methods for EEG signal classification', *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, pp.141– 144.
45. Gu, Q, Li, Z & Han, J 2012, 'Generalized fisher score for feature selection', arXiv preprint arXiv:1202.3725.
46. Gulgezen, G, Cataltepe, Z & Yu, L 2009, 'Stable and accurate feature selection', In *ECML/PKDD*, pp.455-468.
47. Hall, MA 2000 , 'Correlation-based feature selection for discrete and numeric class machine learning', *Proceedings of the Seventeenth International Conference on Machine Learning San Francisco, CA, Morgan Kaufmann*.
48. Hand, DJ & Till, RJ 2001, 'A simple generalisation of the area under the ROC curve for multiple class classification problems. *Machine Learning*, vol.45, pp.171- 186.
49. Harries, MB, Sammut, C& Horn, K 1998, 'Extracting hidden context. *Mach Learn*', vol.32, no.2, pp.101-126
50. Hastie, T, Tibshirani, R & Friedman, J 2001, 'The Elements of Statistical Learning: Data Mining, Inference, and Prediction', New York, NY: Springer Verlag.
51. He, X, Cai, D & Niyogi, P 2006, 'Laplacian score for feature selection', *Advances in Neural Information Processing Systems*, vol.18, pp.0-507.
52. Hightower, J & Borriello, G 2001, 'Location systems for ubiquitous computing', *IEEE Computer*.
53. Hoffman, AJ, Hoogenboezem, C, van der, TM & Tollig, CJA 1998, 'Seismic buffer recognition using mutual information for selecting wavelet based features', *IEEE International Symposium on Industrial Electronics*, pp.663-667.
54. Hojjatoleslami, Kittler, SA, J 1996, 'Detection of clusters of microcalcification using a k-nearest neighbour classifier', *IEEE Colloquium on Digital Mammography*.

55. Hsu, DF & Taksa, I 2005, 'Comparing rank and score combination methods for data fusion in information retrieval', *Information Retrieval*, vol.8, no.3, pp.449-480.
56. Hua-Jun, Z, Xuan-Hui, W, Zheng, C & Wei-Ying, M 2003, 'CBC: Clustering Based Text Classification Requiring Minimal Labeled Data', *IEEE International Conference on Data Mining - ICDM*, pp. 443-450.
57. Hualong, Y & Sen, X 2011, 'Simple rule-based ensemble classifiers for cancer DNA microarray data classification', *IEEE*, 2011.
58. Hui-Ling, C, Bo, Y, Gang, W, Jie, L, Xin, X, Su-Jing, W & Da-You, L 2011, 'A novel bankruptcy prediction model based on an adaptive fuzzy k-nearest neighbor method', *Knowledge-Based Systems*, vol.24, no.8, pp.1348-1359.
59. Hui-Ling, C, Da-You, L, Bo, Y, Jie, L, Gang, W, Su-Jing, W 2011, 'An Adaptive Fuzzy k-Nearest Neighbor Method Based on Parallel Particle Swarm Optimization for Bankruptcy Prediction', *Advances in Knowledge Discovery and Data Mining Lecture Notes in Computer Science*, vol. 6634, pp.249-264.
60. Hüllermeier, E 2005, 'Fuzzy methods in machine learning and data mining: status and prospects', *Fuzzy Sets and Systems*, vol.156, no.3, pp. 387-406.
61. Jacob, L, Obozinski, G & Vert, JP 2009, 'Group lasso with overlap and graphlasso', In *Proceedings of the 26th Annual International Conference on Machine Learning*, ACM, pp.433-440.
62. Jain, AK, Murty, MN & Flynn, PJ 1999, 'Data Clustering: A review', *ACM Computer Surveys*, vol.31, no.3, pp.264-323.
63. Jang, JSR 1992, 'Self-learning fuzzy controllers based on temporal backpropagation', *IEEE Trans. Neural Networks*, vol.3, no.5, pp.714-723.
64. Jang, SR 1993, 'ANFIS: Adaptive-network-based fuzzy inference system', *IEEE Transactions on Systems, Man and Cybernetics*, vol.23, no.3, pp.665-685.

65. Jensen, R 2011, 'Fuzzy-rough nearest neighbour classification and prediction', *Theoretical Computer Science*, vol. 412, pp. 5871-5884.
66. Jerzy, S & Szymon, W 2001, 'Combining rough sets and rule based classifiers for handling imbalanced data'.
67. Jerzy, S 2002, 'The bagging and n^2 - classifiers based on rules induced by MODLEM', *Pattern Recognition*.
68. Jing, L, Ng, M & Huang, J 2007, 'An entropy weighting k-means algorithm for subspace clustering of high-dimensional sparse data', *Knowledge and Data Engineering, IEEE Transactions on*, vol.19, no.8, pp.1026-1041.
69. Jing, Y, Pavlovic, V & Reh, J 2008, ' Boosted Bayesian network classifiers', *Machine Learning*, vol.73, pp.155– 184.
70. Jinhong, L & Yuliang, L 2007, 'An Ensemble Text Classification Model Combining Strong Rules and N-Gram', *IEEE*.
71. Johnson, R & Wichem, D 1988, 'Applied Multivariate Statistical Analysis', Prentice-Hall, Englewood Cliffs, NJ.
72. Jollie, IT 1986. *Principle component analysis*, Springer-Verlag, New York.
73. Joubish, F 2009, 'Educational Research Department of Education', Federal Urdu University, Karachi, Pakistan
74. Juang, CF 2004, 'A hybrid of genetic algorithm and particle swarm optimization for recurrent network design', *IEEE Transactions on Systems, Man and Cybernetics,, Part B, IEEE Trans.* vol. 34, no.2, pp. 997-1006.
75. Karaboga, D & Basturk, B 2009, 'A comparative study of artificial bee colony algorithm', *Applied Mathematics and Computation*, vol.214, no.1, pp.108-132.
76. Karaboga, D 2005, 'An idea based on honey bee swarm for numerical optimization', Technical Report-TR06, Erciyes University, Engineering Faculty, Computer Engineering Department.
77. Keller, JM, Gray, MR & Givens, JR 1985, 'A fuzzy k-nearest neighbor algorithm', *IEEE Transactions on Systems, Man, and Cybernetics*, vol. 15, pp. 580-585.

78. Kim, SJ & Zhang, BT 1999, 'Combining locally trained neural networks by introducing a reject class', IEEE International Joint Conference on Neural Networks, pp.4043-4047.
79. Kim, Y, Street, W & Menczer, F 2002, 'Evolutionary model selection in unsupervised learning', Intelligent Data Analysis, vol.6, no.6, pp.531-556.
80. Kohavi, R & John, GH 1997, 'Wrappers for feature subset selection', Artificial Intelligence, pp. 273–324.
81. Krogh, J& Vedelsby, A 1995, 'Neural network ensembles, cross validation, and active learning', Proceedings of Neural Information Processing Systems, NIPS'94, pp. 231-238.
82. Kupinski, MA & Giger, L 1997, 'Feature selection and classifiers for the computerized detection of mass lesions in digital mammography', International Conference on Neural Networks, pp.2460-2463.
83. Langley, P 1994, 'Selection of relevant features in machine learning', In Proceedings of the AAAI Fall Symposium on Relevance, pp. 1-5.
84. Lawawirojwong, S, Jiaguo, Q& Suepa, T 2013, 'Supervised Self-Organizing Map with classification uncertainty', IEEE.
85. Lei Yu & Huan Liu 2003, 'Feature Selection for High-Dimensional Data: A Fast Correlation-Based Filter Solution', twentieth International Conference on Machine Learning (ICML-2003), Washington DC.
86. Lei, Y & Zuo, MJ 2009, 'Gear crack level identification based on weighted K nearest neighbor classification algorithm', Mechanical Systems and Signal Processing, vol.23, no.5, pp.1535-1547.
87. Leung, YW & Wang, YP 2001, 'An orthogonal genetic algorithm with quantization for global numerical optimization', IEEE Transactions of Evolutionary Computation, vol.5, pp.41 – 53.
88. Leung, YY, Chang, CQ, Hung, YS & Fung, PCW 2006, 'Gene selection for brain cancer classification', Conf Proc IEEE Eng Med BiolSoc, vol.1, pp.5846-5849.
89. Li, Z, Yang, Y, Liu, J, Zhou, X & Lu, H 2012, 'Unsupervised feature selection using nonSnegative spectral analysis', In Twenty-Sixth AAAI Conference on Artificial Intelligence.

90. Liao, WZ & Jiang, JS 2008, 'Image feature extraction based on kernel ICA', *Image and Signal Processing*, vol.2, pp. 763 - 767.
91. Linda, O & Manic, M 2009, 'GNG-SVM framework - classifying large datasets with Support Vector Machines using Growing Neural Gas', *IEEE*.
92. LiorRokach, 2010, 'Ensemble-based classifiers', *ArtifIntell Rev*, vol.33, pp.1-39.
93. Little, R.J & Rubin, D. B 1987, 'Statistical Analysis with Missing Data', John Wiley and Sons, New York.
94. Liu, J, Ji, S & Ye, J 2009, 'Multi-task feature learning via efficient l_2, l_1 -norm minimization', In *Proceedings of the Twenty-Fifth Conference on Uncertainty in Artificial Intelligence*, pp. 339-348.
95. Loganathan, C & Girija, K.V 2013, 'Cancer Classification using Adaptive Neuro Fuzzy Inference System with RungeKutta Learning', *International Journal of Computer Applications*, vol. 79, no. 4, pp.46-50.
96. MacQueen, JB 1967, 'Some Methods for classification and Analysis of Multivariate Observations', *Proceedings of 5-th Berkeley Symposium on Mathematical Statistics and Probability*", Berkeley, University of California Press, vol.1, pp.281-297
97. McNitt-Gray, M.F, Huang, H.K & Sayre, J.W 1997, 'Feature selection in the pattern classification problem of digital chest radiograph segmentation', *IEEE Transactions on Medical Imaging*, pp. 537-547.
98. Mei, Z, Shen, Q & Ye, B 2009, 'Hybridized KNN and SVM for gene expression data classification', *Life Science Journal*, vol. 6, no.1, pp. 61-66.
99. Meier, L, Van De Geer, S & Bhuuhlmann, P 2008, 'The group lasso for logistic regression', *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*, vol.70(1), pp.53-71.
100. Mendel, JM & Liang, Q 1999, 'Pictorial Comparison of Type-1 and Type-2 Fuzzy Logic Systems', In *Proceedings of IASTED International Conference on Intelligent Systems & Control*, Santa Barbara, CA.

101. Oh, IS, Lee, JS & Moon, BR 2004, 'Hybrid genetic algorithms for feature selection', *Pattern Analysis and Machine Intelligence, IEEE Transactions on*, vol.26, no. 11, pp.1424-1437.
102. Oliveira L. S, Sabourin, R, Bortolozzi, F & Suen, C.Y 2003, 'Feature selection for ensembles: A hierarchical multi-objective genetic algorithm approach', In *Proceedings of the 7th ICDAR*, pp.676–680.
103. Peters, BO, Pfurtscheller, G & Flyvbjerg, H 2001, 'Automatic differentiation of multichannel EEG signals', *IEEE Transactions on Biomedical Engineering*, vol.48, pp.111-116.
104. QiangShen & Richard Jensen 2004, 'Selecting informative features with fuzzy-rough sets and its application for complex systems monitoring', *Pattern Recognition*, vol.37, no.7, pp.1351-1363.
105. Quinlan, JR 1993, 'C4.5: Programs for Machine Learning. Morgan Kaufmann'.
106. Roth, V & Lange, T 2003, 'Feature selection in clustering problems', *Advances in neural information processing systems*, vol.16.
107. Rub, G & Kruse, R 2010, 'Feature Selection for Wheat Yield Prediction. In *Research and Development in Intelligent Systems, Incorporating Applications and Innovations in Intelligent Systems XVII*, pp.465-478.
108. Saeys, Y, Abeel, T & Van de Peer, T 2008, 'Robust feature selection using ensemble feature selection techniques'.
109. Saeys, Y, Inza, I & Larranaga, P 2007, 'A review of feature selection techniques in bioinformatics', *Bioinformatics*, vol.23, no. 19, pp.2507-2517.
110. SantiWulan, Purnami, Zain, JasniMohamad, Heriawan & Tutut 2011, 'An Alternative Algorithm for Classification Large Categorical Dataset: K-Mode Clustering Reduced Support Vector Machine', *International Journal of Database Theory & Application*, vol. 4 no.1, pp.19.
111. Sanz, J, Fernándezb, A, Bustincea, H & Herrera 2011, 'A genetic tuning to improve the performance of Fuzzy Rule-Based Classification Systems with Interval-Valued Fuzzy Sets: Degree of ignorance and lateral position', *International Journal of Approximate Reasoning*.

112. Saravanan, V & Mallika, R 2009, 'An effective classification model for cancer diagnosis using micro array gene expression data', Proceedings of the 2009 International Conference on Computer Engineering and Technology IEEE Computer Society, vol.1, pp.137-141.
113. Saxena, A K, Mondal, A & Mir, IA 2013, 'Improving the Classification Accuracy with Ensemble of Classifiers', International Journal of Emerging Technology and Advanced Engineering, vol.3, no.2.
114. Schapire, RE 1990, 'The Strength of Weak Learnability', Machine Learning, vol.5, pp.197-227.
115. Seyda Ertekin, 2006, 'Efficient Support Vector Learning for Large Datasets'.
116. Shailesh Kumar, Joydeep Ghosh & Melba, M 2002, 'Crawford. Hierarchical fusion of multiple classifiers for hyperspectral data analysis', Pattern Analysis and Applications, vol.5, pp.210-220.
117. Sheng-Yi Jiang 2006, 'Efficient Classification Method for Large Dataset', International Conference on Machine Learning and Cybernetics.
118. Shim, J, Sohn, I, Kim, S, Lee, JW, Green, PE & Hwang, C 2009, 'Selecting marker genes for cancer classification using supervised weighted kernel clustering and the support vector machine', Computational Statistics & Data Analysis, vol.53, no.5, pp.1736-1742.
119. Shuichi Kawano, Toshihiro Misumi & Sadanori Konishi 2012, 'Semi-Supervised Logistic Discrimination Via Graph-Based Regularization', Neural Process Lett., vol.36, pp.203-216.
120. Simon Günter & Horst Bunke 2002, 'Creation of classifier ensembles for handwritten word recognition using feature selection algorithms', In Proceedings of the 8th IWFHR, pp.183-188.
121. Simona Maggio, Alessandro Palladini, Luca De Marchi, Martino Alessandrini, Nicolò Speciale & Guido Masetti 2010, 'Predictive Deconvolution and Hybrid Feature Selection for Computer-Aided Detection of Prostate Cancer', IEEE Transactions on Medical Imaging, vol. 29, no. 2.

122. Skalak, DB 1997, 'Prototype Selection for Composite Nearest Neighbor Classifiers', PhD thesis, University of Massachusetts, Amherst.
123. Sohn, SY & Shin, HW 2007, 'Experimental study for the comparison of classifier combination methods', *Pattern Recognition*, vol.40, pp.33-40.
124. Somorjai, IML, Danzmann, RG & Ferguson, MM 2003, 'Distribution of temperature tolerance quantitative trait loci in Arctic charr (*Salvelinus alpinus*) and inferred homologies in rainbow trout (*Oncorhynchus mykiss*)', *Genetics* 165, pp.1443-1456
125. Stephen, DB 1998, 'Combining nearest neighbor classifiers through multiple feature subsets', In *Proceedings of the 17th International Conference on Machine Learning*, Madison, pp.37-45.
126. SujuRajan&JoydeepGhosh 2004, 'An empirical comparison of hierarchical vs. two-level approaches to multiclass problems', In *Multiple Classifier Systems*, pp.283-292.
127. Swann, A &Allinson, N 1998, 'Fast committee learning: Preliminary results', *Electronics Letters*, vol.34, pp.1408-1410.
128. Talavera, L 1999, 'Feature selection as a preprocessing step for hierarchical clustering', In *Machine Learning in Huan G-International Workshop Then Conference*, Morgan Kaufmann Publishers, pp.389-397.
129. Tamayo, P, Slonim, D, Mesirov, J, Zhu, Q, Kitareewan, S, Dmitrovsky, E, Lander, E &Golub, T 1999, 'Interpreting patterns of gene expression with self-organizing maps: Methods and application to hematopoietic differentiation', in *Proceedings of National Academy of Sciences, USA*, vol. 96, no. 6,pp. 2907-2912.
130. TarekHelmy&AnifowoseFatai 2010, 'Hybrid Computational Intelligence Models for Porosity and Permeability Prediction of Petroleum Reservoirs', *International Journal Computational Intelligence and Applications*, vol. 9, no. 4, pp.1-25.
131. TarekHelmy, Mohamed Al-Mulhim&ZeehashamRasheed 2009, 'Type-2 Fuzzy Logic Based System for Classification of Bioinformatics Datasets', *Proc. of IEEE 2009 International Conference on Bioinformatics & Computational Biology*, USA, pp. 812-816.

132. Thangavel, K & Pethalakshmi, A 2009, 'Dimensionality reduction based on rough set theory: A review', *Applied Soft Computing*, vol.9, no. 1, pp.1-12.
133. Thanh-Nghi Doan, Thanh-Nghi Do & Poulet, F 2013, 'Parallel incremental SVM for classifying million images with very high-dimensional signatures into thousand classes', *IEEE*.
134. Tibshirani, R 1996, 'Regression shrinkage and selection via the lasso', *Journal of the Royal Statistical Society, Series B (Methodological)*, pp. 267-288.
135. Tibshirani, R, Hastie, T, Narasimhan, B & Chu, G 2002, 'Diagnosis of Multiple Cancer Types by Shrunken Centroids of Gene Expression', *Proceedings of National Academy of Science*, vol.99, pp.6567-6572.
136. Tin Kam Ho 1998, 'The Random Subspace Method for Constructing Decision Forests', *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol.20, no.8, pp.832-844.
137. Tomida, S, Hanai, T, Honda, H & Kobayashi, T 2002, 'Analysis of expression profile using fuzzy adaptive resonance theory', *Bioinformatics*, vol. 18, no. 8, pp. 1073-1083.
138. Turkoglu, I, Arslan, A & Ilkay, E 2002, 'An expert system for diagnosis of the heart valve diseases', *Expert Systems with Applications*, vol. 23, no.3, pp.229-236.
139. Ujjwal Maulik, Anirban Mukhopadhyay & Debasis Chakraborty 2013, 'Gene-expression-based cancer subtypes prediction through feature selection and transductive SVM', *IEEE transactions on biomedical engineering*, vol. 60, no. 4.
140. Ungurean, I, Rusu, I & Pentiuc, SG 2012, 'High-performance computing on a supercomputer based on new-generation processors', *IEEE*.
141. Utgo, PE 1989, 'Perception trees: A case study in hybrid concept representations', *Connection Science*, vol.1, pp.377-391.
142. Van der Maaten, L, Postma, E & Van Den Herik, H 2009, 'Dimensionality reduction: A comparative review', *Journal of Machine Learning Research*, vol.10, pp.1-41.

143. Van Gerven, MAJ, Jurgelenaite, R, Taal, BG, Heskes, T & Lucas, PJF, 2007, 'Predicting carcinoid heart disease with the noisy-threshold classifier', *Artificial Intelligence in Medicine*, vol. 40, pp.45-55.
144. Vannucci, M, Colla, V, Vannocci, M & Nastasi, G 2012, "An Ensemble Classification Method Based on Input Clustering and Classifiers Expected Reliability", *IEEE*.
145. Vapnik, V 1995, 'The Nature of Statistical Learning Theory', New York, NY: Springer Verlag.
146. Volkan Vural, Jennifer & Dy, G 2004, 'A hierarchical method for multi-class support vector machines', In *Proceedings of the twenty-first international conference on Machine learning*, pp.105-112.
147. Weinberger, KQ & Saul, LK 2009, 'Distance metric learning for large margin nearest neighbor classification', *J. Mach. Learn. Res.* 10, pp. 207-244.
148. Weston, J & Watkins, C 1998, 'Multi-class support vector machines', Technical Report CSD-TR-98-04, Department of Computer Science, Royal Holloway, University of London.
149. Weston, J & Watkins, C 1999, 'Support vector machines for multiclass pattern recognition', In *Proceedings of the Seventh European Symposium on Artificial Neural Networks*, vol.4.
150. Wolpert, DH 1990, 'Stacked generalization. Technical Report LA-UR-90-3460, Complex Systems Group, Theoretical Division, and Center for Non-linear Studies', MS B213, LANL, Los Alamos, NM.
151. Wu Xindong, Vipin Kumar, Ross Quinlan, J, Joydeep Ghosh, Qiang Yang, Hiroshi Motoda & Geoffrey J. McLachlan 2007, 'Top 10 algorithms in data mining', *Knowl. Inf. Syst.*, vol.14, no. 1, pp.1-37.
152. Xie, J, Xie, W, Wang, C & Gao, X 2010, 'A novel hybrid feature selection method based on ifss and svm for the diagnosis of erythemato-squamous diseases', In *JMLR Workshop and Conference Proceedings. Workshop on Applications of Pattern Analysis*, vol.11, pp.142-151.
153. Xingquan Zhu & Ying Yang 2008, 'A lazy bagging approach to classification', *Pattern Recognition*, vol. 41, pp.2980-2992.

154. Yang, F & Mao, K 2010, 'Improving robustness of gene ranking by resampling and permutation based score correction and normalization', In *Bioinformatics and Biomedicine (BIBM)*, 2010 IEEE International Conference on, pp.444-449.
155. Ye, J & Liu, J 2012, 'Sparse methods for biomedical data', *SIGKDD Explor. Newsl.*, vol.4, no.1.
156. Yingwei Li, Peipei Ma & Lina Yu 2012, 'LS-SVM Soft Sensing Based on Hybrid Particle Swarm Optimization', vol. 7, no.1, pp. 283-290.
157. Yu, S, De Backer, S & Scheunders, S 2007, 'Genetic feature selection combined with composite fuzzy nearest neighbor classifiers for high-dimensional remote sensing data', *IEEE International Conference on Systems, Man, and Cybernetics*, pp.1912- 1916.
158. Yuan, L, Liu, J & Ye, J 2011, 'Efficient methods for overlapping group lasso', *Adv. Neural Inform. Process. Syst.*
159. Zacharaki, E I, Wang, S, Chawla, S, Yoo, DS, Wolf, R, Melhem, ER & Davatzikos, C 2009, 'Classification of brain tumor type and grade using MRI texture and shape in a machine learning scheme', *Magnetic Resonance in Medicine* 62, vol.6, pp.1609-1618.
160. Zapien, K, Fehr, J & Burkhardt, H 2006, 'Fast Support Vector Machine Classification using linear SVMs', in *Proceedings: ICPR*, pp. 366- 369.
161. Zapien, K, Fehr, J & Burkhardt, H 2007, 'Fast Support Vector Machine Classification of very large Datasets', *Technical Report 2/2007*, University of Freiburg, Department of Computer Science, Chair of Pattern Recognition and Image Processing.
162. Zarjam, P, Mesbah, M & Boashash, B 2003, 'An optimal feature set for seizure detection systems for newborn EEG signals', *International Symposium on Circuits and Systems*, pp. 33- 36.
163. Zhang, CX & Zhang, JS 2008, 'RotBoost: a technique for combining rotation forest and adaboost', *Pattern Recognition Letters*, vol. 29, no. 10, pp. 1524-1536.
164. Zhao, B 2007, 'An Ant Colony Clustering Algorithm', *Sixth International Conference on Machine Learning and Cybernetics*, Hong. Kong, pp. 3933-3938.

165. Zhao, Z & Liu, H 2007, 'Spectral feature selection for supervised and unsupervised learning', In ICML '07: Proceedings of the 24th international conference on Machine learning, New York, NY, USA, pp.1151-1157.
166. Zhao, Z & Liu, H 2011, 'Spectral Feature Selection for Data Mining', Chapman & Hall/Crc Data Mining and Knowledge Discovery. Taylor & Francis.
167. Zhou, J, Liu, J, Narayan, VA & Ye, J 2012, 'Modeling disease progression via fused sparse group lasso', In Proceedings of the 18th ACM SIGKDD international conference on Knowledge discovery and data mining, pp.1095-1103.
168. ZijianZheng 1998, 'Naive bayesian classifier committees', In Proc. of ECML'98, Springer Verlag, , vol.23, pp.196-207.