参考文献

外延性介绍

1. K. Kira, L.A. Rendell, The feature selection problem: traditional methods and a new algorithm, Proc. AAAI 92 (1992) 129–134.
2. R. Jensen, Q. Shen, Computational Intelligence and Feature Selection: Rough and Fuzzy Approaches, IEEE Press/Wiley & Sons, 2008.
3. M. Modrzejewski, Feature selection using rough set theory, in: Proceedings of European Conference on Machine Learning, 1993, pp. 213–226.
4. Pawlak Z. Rough sets[J]. International Journal of Information and Computer Science, 1982(11): 314-356
5. Koczkodaj W W, Orlowski M, Marek V W. Myths about rough set theory[J]. Communications of the ACM, 1998, 41(11): 102-103
6. Pawlak Z, Skowron A. Rudiments of rough sets[J]. Information Sciences, 2007, 177: 3-27.
7. Pawlak Z. Rough Sets: Theoretical Aspects of Reasoning about Data[M]. The Netherlands: Kluwer Academic Publishers, 1992
8. Pawlak Z. Rough set theory and its applications to data analysis. Cybernetics and Systems, 1998, 29(7): 661-688.
9. Z. Pawlak, Rough set approach to multi-attribute decision analysis, European Journal of Operational Research 72 (1993) 443–459.
10. Z. Pawlak, Rough sets and intelligent data analysis, Information Sciences 147 (2002) 1–12.
11. Z. Pawlak, A. Skowron, Rough membership functions, in: R.R. Yager, M. Fedrizzi, J. Kacprzyk (Eds.), Advances in the Dempster–Shafer Theory of Evidence, John Wiley and Sons, New York, 1994, pp. 251–271.
12. A. Skowron, S.K. Pal, Rough Sets, Pattern Recognition, and Data Mining, Pattern Recognition Letters 24 (6) (2003) 829–933.

应用

1. Jelonek J, Krawiec K, Slowinski R. Rough set reduction of attributes and their domains for neural networks. International Journal of Computational Intelligence, 1995, 11: 339-347.
2. Shen Q, Chouchoulas A. A rough-fuzzy approach for generating classification rules. Pattern Recognition, 2002, 35: 2425-2438.
3. Dimitras A I, Slowinski R, Susmaga R, et al. Business failure using rough sets. European Journal of Operational Research, 1999, 114: 263-280.
4. Anantaram C, Nagaraja G, Nori K V. Verification of accuracy of rules in a rule based system. Data & Knowledge Engineering, 1998, 27: 115-138.
5. Mushrif M M, Ray A K. Color image segmentation: rough-set theoretic approach. Pattern Recognition Letters, 2008, 29: 483-493.
6. Hu X H, Cercone N. Learning in relational databases: A rough set approach. International Journal of Computational Intelligence, 1995, 11(2): 323-338.

综述

1. Wang Guoyin, Yao Yiyu, Yu Hong. A Survey on Rough Set Theory and Applications. Chinese Journal of Computer, 2009,32(7):1229-1246(in Chinese).
2. 张文修, 吴伟志. 粗糙集理论介绍和研究综述[J]. 模糊系统与数学, 2000, 14(4): 1-12
3. 黄正华, 胡宝清. 模糊粗糙集理论研究进展[J]. 模糊系统与数学, 2005, 19(4): 125-134

启发式属性约简算法

1. 苗夺谦, 胡桂荣. 知识约简的一种启发式算法[J]. 计算机研究与发展, 1999, 36(6): 681-684

Miao Duoqian, Hu Guirong. A heuristic algorithm for reduction of knowledge. Journal of Computer Research & Development, 1999,26(6):681-684.

1. 王国胤, 于洪, 杨大春. 基于条件信息熵的决策表约简[J]. 计算机学报, 2002, 25(7): 759-765

G.Y. Wang, H. Yu, D. Yang, Decision table reduction based on conditional information entropy, Chinese Journal of Computers 25 (7) (2002) 759–766.

1. Slezak D. Various approaches to reasoning with frequency based decision reducts: a survey[J]. In: Rough Set Methods and Applications: New Developments in Knowledge Discovery in Information Systems. Physica-Verlag Gmbh, Heidelberg, Germany, 2000: 235-285
2. 张文修, 米据生, 吴伟志. 不协调目标信息系统的知识约简[J]. 计算机学报, 2003, 26(1): 12-18

W.X. Zhang, J.S. Mi, W.Z. Wu, Knowledge reduction in inconsistent information systems, Chinese Journal of Computers 26 (2003) 12–18.

1. Kryszkiewicz M. Comparative study of alternative types of knowledge reduction in inconsistent systems[J]. International Journal of Intelligent Systems, 2001, 16: 105-120
2. Miao D Q, Zhao Y, Yao Y Y, et al. Relative reducts in consistent and inconsistent decision tables of the Pawlak rough set model[J]. Information Sciences, 2009, 179(24): 4140-4150
3. Y.H. Qian, J.Y. Liang, Combination entropy and combination granulation in rough set theory, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems 16 (2) (2008) 179–193.

约简类型

1. Li D Y, Zhang B. On knowledge reduction in inconsistent decision information systems. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2004, 12(5): 651-672.
2. Qin K Y, Pei Z, Du W F. The relationship among several knowledge reduction approaches. In: Proceedings of FSKD 2005, LNAI 3613. Berlin: Springer-Verlag, 2005: 1232-1241.
3. 邓大勇, 黄厚宽, 李向军. 不一致决策系统中约简之间的比较. 电子学报, 2007, 35(2): 252-255.
4. 徐章艳, 杨炳儒, 宋威, 等. 几种不同属性约简的比较研究. 小型微型计算机系统, 2008, 29(5): 848-853.
5. Zhou J, Miao D Q, Pedrycz W, Zhang H Y. Analysis of alternative objective functions for attribute reduction in complete decision tables[J]. Soft Computing, 2011(15): 1601-1616

拓展模型

1. Dubois D, Prade H. Rough fuzzy sets and fuzzy rough sets[J]. International Journal of General Systems, 1990, 17(2): 191-209
2. Zhu W, Wang F Y. Reduction and axiomization of covering generalized rough sets[J]. Information Sciences, 2003, 152(1): 217-230
3. 魏莱, 苗夺谦, 徐菲菲, 等. 基于覆盖的粗糙模糊集模型研究[J]. 计算机研究与发展, 2006, 43(10): 1719-1723
4. 王基一, 许黎明. 概率粗糙集模型[J]. 计算机科学, 2002, 29(8): 76-78.
5. Yao J T, Yao Y Y, Ziarko W. Probabilistic rough sets: Approximations, decision-makings, and applications[J]. International Journal of Approximation Reasoning, 2008, 49(2): 253-254.
6. Slezak D, Ziarko W. Bayesian rough set model. In: Proceedings of the International Workshop on Foundation of Data Mining (FDM'2002). Maebashi, Japan, 2002: 131-135.
7. W. Ziarko, Variable precision rough set model, Journal of Computer and System Sciences 46 (1993) 39–59.
8. Skowron A, Rauszer C. The discernibility matrices and functions in information systems[J]. In: Slowinski R, (Eds.). Intelligent Decision Support Handbook of Applications and Advances of the Rough Sets Theory. Dordrecht: Kluwer Academic Publishers, 1992(11): 331-362
9. Wang Jue, Wang Ju. Reduction algorithms based on discernibility matrix: the ordered attributes method[J]. Journal of Computer Science & Technology, 2001, 16(6): 489-504
10. Yao Y, Zhao Y. Discernibility matrix simplification for constructing attribute reducts[J]. Information Sciences, 2009, 179(7): 867-882
11. Yang M. An Incremental Updating Algorithm for Attribute Reduction Based on Improved Discernibility Matrix[J]. Chinese Journal of Computers, 2007, 30(5): 815-822
12. Wang R Z, Miao D Q, Hu G R. Discernibility matrix based algorithm for reduction of attributes. In: Butz C J, Nguyen N T, Takama Y, (Eds.). Web Intelligence and Intelligent Agent Technology. Hong Kong: IEEE Computer Society, 2006: 477-480.
13. Dong-Yi YE, Chen Z J. A New Discernibility Matrix and the Computation of a Core[J]. Acta Electronica Sinica, 2002, 30(7):1086-1088.
14. Yang M. An Incremental Updating Algorithm for Attribute Reduction Based on Improved Discernibility Matrix[J]. Chinese Journal of Computers, 2007, 30(5):815-822.
15. Zhang W X, Wei L, Qi J J. Attribute Reduction in Concept Lattice Based on Discernibility Matrix[J]. Rough Sets Fuzzy Sets Data Mining & Granular Computing Pt Proceedings, 2005, 3642:157-165.
16. Yao Y, Zhao Y, Wang J. On Reduct Construction Algorithms[C] //International Conference on Rough Sets and Knowledge Technology. Springer Berlin Heidelberg, 2006: 297-304
17. Wang J, Miao D Q. Analysis on attribute reduction strategies of rough set. Journal of Computer Science and Technology, 1998, 13(2): 189-193.
18. Miao D Q, Wang J. Information-based algorithm for reduction of knowledge. In: Proceedings of the 1997 IEEE International Conference on Intelligent Processing Systems (ICIPS’97). Beijing, China, 1997: 1155-1158.
19. Shi H J, Qin C, Chen H J, et al. Heuristic algorithm of attribute reduction in condition entropy[J]. Computer Engineering & Design, 2008.
20. Hua-Xiong LI, Zhou X Z. Heuristic attribute reduction based on 0-1 discernibility matrix[J]. Journal of Central South University, 2009, 40: 304-308
21. Nguyen S Hoa, Nguyen H Son. Some efficient algorithms for rough set methods. In: Proceedings of the Conference of Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU'96). Granada, Spain, 1996: 1451-1456.
22. S.H. Liu, Q.J. Sheng, B. Wu, Z.Z. Shi, F. Hu. Research on Efficient Algorithms for Rough Set Methods[J]. Chinese Journal of Computers, 2003, 40(5):637-642.
23. S.X. Wu, M.Q. Li, W.T. Huang, S.F. Liu, An improved heuristic algorithm of attribute reduction in rough set, Journal of System Sciences and Information, 2 (3) (2004) 557–562.
24. Z.Y. Xu, Z.P. Liu, B.R. Yang, W. Song, A quick attribute reduction algorithm with complexity of max*(O(*|*C*||*U*|*), O(*|*C*|2|*U/C*|*))*, Chinese Journal of Computer, 29 (3) (2006) 391–398.
25. Qian Y H, Liang J Y, Pedrycz W, Dang C Y. Positive approximation: An accelerator for attribute reduction in rough set theory. Artificial Intelligence, 2010, 174(9-10): 597-618.
26. Li M, Shang C, Feng S, et al. Quick attribute reduction in inconsistent decision tables[J]. Information Sciences An International Journal, 2014, 254:155-180.

杂项

1. Frank A, Asuncion A. UCI Machine Learning Repository [http://www.ics.uci.edu/ml], Irvine, CA: University of California, School of Information and Computer Science, 2010.
2. Zhao Y, Luo F, Wong S K M, et al. A general definition of an attribute reduct[C] //Proceedings of the Second Rough Sets and Knowledge Technology (RSKT’07), 2007: 101-108