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- [2] Wang J Q, Nie R R, Zhang H Y, et al. Intuitionistic fuzzy multi-criteria decision-making method based on evidential reasoning[J]. *Applied Soft Computing*, 2013, 13(4): 1823–1831.
- [3] 王刚, 汪杨, 王珏, 等. 基于证据分组合成的企业数据治理评价研究 [J]. *系统工程理论与实践*, 2016, 36(6): 1505–1516.
Wang G, Wang Y, Wang J, et al. Study of data governance evaluation in enterprises based on grouping method for combining evidence[J]. *Systems Engineering — Theory & Practice*, 2016, 36(6): 1505–1516.
- [4] 包甜甜, 谢新连, 孟鹏鹏. 基于前景理论和证据推理的混合直觉模糊决策 [J]. *系统工程理论与实践*, 2017, 37(2): 460–468.
Bao T T, Xie X L, Meng P P. Intuitionistic fuzzy hybrid multi-criteria decision making based on prospect theory and evidential reasoning[J]. *Systems Engineering — Theory & Practice*, 2017, 37(2): 460–468.
- [5] 赵洁, 薛瑞, 唐德玉. 决策距离修正下的弱决策证据合成方法 [J]. *控制与决策*, 2018, 33(1): 1–15.
Zhao J, Xue R, Tang D Y. Combination method of weak decision-making evidence based on decision distance correction[J]. *Control and Decision*, 2018, 33(1): 1–15.
- [6] 张鑫, 牟龙华. 基于局部冲突消除的证据合成法则 [J]. *系统工程与电子技术*, 2016, 38(7): 1594–1599.
Zhang X, Mu L H. Evidence combination rule based on local conflict elimination[J]. *Systems Engineering and Electronics*, 2016, 38(7): 1594–1599.
- [7] 李昌玺, 周焰, 王盛超, 等. 多源信息融合中一种新的证据合成算法 [J]. *上海交通大学学报*, 2016, 50(7): 1125–1131.
Li C X, Zhou Y, Wang S C, et al. A novel combination rule of evidence theory in multi-source information fusion[J]. *Journal of Shanghai Jiaotong University*, 2016, 50(7): 1125–1131.
- [8] 孙伟超, 许爱强, 李文海. 基于证据特征的区间证据合成方法研究 [J]. *系统工程与电子技术*, 2016, 38(12): 2790–2798.
Sun W C, Xu A Q, Li W H. Research on combination of interval-valued belief structures based on features of evidence[J]. *Systems Engineering and Electronics*, 2016, 38(12): 2790–2798.
- [9] 罗兰, 肖建于. 一种有效折扣证据源的冲突证据合成方法 [J]. *计算机工程与应用*, 2019, 55(4): 154–158.
Luo L, Xiao J Y. Conflict evidence synthesis method of effective discount evidence sources[J]. *Computer Engineering and Applications*, 2019, 55(4): 154–158.
- [10] Chen C, Chen S, Lin Y. Using Bayesian network for fault location on distribution feeder of electrical power delivery system[J]. *IEEE Transactions on Power Delivery*, 2002, 17(13): 785–793.
- [11] 曹杰. 贝叶斯网络结构学习与应用研究 [D]. 合肥: 中国科学技术大学, 2017.
Cao J. Bayesian network structure learning and application[D]. Hefei: University of Science and Technology of China, 2017.
- [12] 陈磊. 基于贝叶斯理论的日用水量概率预测 [J]. *系统工程理论与实践*, 2017, 37(3): 761–767.
Chen L. Probabilistic daily water consumption forecasting using Bayesian theory[J]. *Systems Engineering — Theory & Practice*, 2017, 37(3): 761–767.
- [13] Gyftodimos E, Flach P A. Learning hierarchical Bayesian network for human skill modeling[C]// *Proceedings of the 2003 UK Workshop on Computational Intelligence*. Bristol: University of Bristol, 2003: 55–62.
- [14] Neville J. Statistical model and analysis techniques for learning relational data[D]. Amherst: University of Massachusetts Amherst, 2006.
- [15] Zhang L M, Wu X G, Skibniewski M J, et al. Bayesian-network-based safety risk analysis in construction projects[J]. *Reliability Engineering & System Safety*, 2014, 131: 29–39.
- [16] 王瑶, 孙秦. 一种不改变 RBD 拓扑结构的三态贝叶斯网络 [J]. *系统工程理论与实践*, 2017, 37(2): 486–495.
Wang Y, Sun Q. A three-state Bayesian network without changing the topology of RBD[J]. *Systems Engineering — Theory & Practice*, 2017, 37(2): 486–495.
- [17] Haimes Y Y, Jiang P. Leontief-based model of risk in complex interconnected infrastructures[J]. *Journal of Infrastructures System*, 2001, 7(1): 1–12.
- [18] 杨风暴, 王肖霞. D-S 证据理论的冲突证据合成方法 [M]. 北京: 国防工业出版社, 2010.
Yang F B, Wang X X. Combination method of conflictive in D-S evidence theory[M]. Beijing: National Defense Industry Press, 2010.
- [19] 简祯富. 决策分析与管理 [M]. 北京: 清华大学出版社, 2007.
Jian Z F. Decision analysis and management[M]. Beijing: Tsinghua University Press, 2007.
- [20] Boyer R L, Hamlin T L. Use of probabilistic risk assessment (PRA) in the shuttle decision making process[R]. Long Beach, CA, 2011.
- [21] Shayler D J. Disasters and accidents in manned spaceflight[M]. Springer, 2005.
- [22] Harland D M, Lorenz R D. Space systems failures: Disasters and rescues of satellites, rockets and space probes[M]. Springer, 2007.
- [23] Committee on Shuttle Criticality Review and Hazard Analysis of the Aeronautics and Space Engineering Board. Post-challenger evaluation of space shuttle risk assessment and management[R]. National Research Council, National Academy Press, Washington, DC, 1988.