

DAFTAR PUSTAKA

- Almaghrabi, F., Xu, D. L., and Yang, J. B., 2021, An evidential reasoning rule based feature selection for improving trauma outcome prediction. *Applied Soft Computing*, Vol.103, .
- Amruthnath, N., and Gupta, T., 2018, A research study on unsupervised machine learning algorithms for early fault detection in predictive maintenance. *2018 5th International Conference on Industrial Engineering and Applications (ICIEA)* (pp. 355–361). IEEE.
- Binaghi, E., and Madella, P., 1999, Fuzzy Dempster-Shafer Reasoning for Rule-Based Classifiers. *International Journal of Intelligent Systems*, Vol.14, No.6, pp.559–583.
- Biswal, S., and Sabareesh, G. R., 2015, Design and development of a wind turbine test rig for condition monitoring studies. *2015 International Conference on Industrial Instrumentation and Control (ICIC)* (pp. 891–896). IEEE.
- Borgi, T., Hidri, A., Neef, B., and Naceur, M. S., 2017, Data analytics for predictive maintenance of industrial robots. *2017 International Conference on Advanced Systems and Electric Technologies (IC_ASET)* (pp. 412–417). IEEE.
- Carvalho, T. P., Soares, F. A. A. M. N., Vita, R., Francisco, R. da P., Basto, J. P., and Alcalá, S. G. S., 2019, A systematic literature review of machine learning methods applied to predictive maintenance. *Computers and Industrial Engineering*, Vol.137, .
- Chang, L., Fu, C., Zhu, W., and Liu, W., 2021, Belief rule mining using the evidential reasoning rule for medical diagnosis. *International Journal of Approximate Reasoning*, Vol.130, pp.273–291.
- Chang, L., Zhou, Y., Jiang, J., Li, M., and Zhang, X., 2013, Structure learning for belief rule base expert system: A comparative study. *Knowledge-Based Systems*, Vol.39, pp.159–172.
- Dai, W., and Ji, W.-Z., 2014, A MapReduce Implementation of C 4 . 5 Decision Tree Algorithm. Retrieved from <https://api.semanticscholar.org/CorpusID:43826080>
- Dencœux, T., 2019, Decision-making with belief functions: A review. *International Journal of Approximate Reasoning*, Vol.109, pp.87–110.
- Dong, Y. L., Gu, Y. J., and Dong, X. F., 2008, Selection of optimum maintenance strategy for power plant equipment based on evidential reasoning and

- FMEA. *2008 IEEE International Conference on Industrial Engineering and Engineering Management* (pp. 862–866). IEEE.
- dos Santos, T., Ferreira, F. J. T. E., Pires, J. M., and Damasio, C., 2017, Stator winding short-circuit fault diagnosis in induction motors using random forest. *2017 IEEE International Electric Machines and Drives Conference (IEMDC)* (pp. 1–8). IEEE.
- Doshi-Velez, F., and Kim, B., 2017, Towards A Rigorous Science of Interpretable Machine Learning. *arXiv: Machine Learning*. Retrieved from <https://api.semanticscholar.org/CorpusID:11319376>
- Du, M., Liu, N., and Hu, X., 2019, Techniques for interpretable machine learning. *Communications of the ACM*, Vol.63, No.1, pp.68–77.
- Durbhaka, G. K., and Selvaraj, B., 2016, Predictive maintenance for wind turbine diagnostics using vibration signal analysis based on collaborative recommendation approach. *2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)* (pp. 1839–1842). IEEE.
- Ehrenfeucht, A., and Haussler, D., 1989, Learning decision trees from random examples. *Information and Computation*, Vol.82, No.3, pp.231–246.
- Eke, S., Aka-Ngnui, T., Clerc, G., and Fofana, I., 2017, Characterization of the operating periods of a power transformer by clustering the dissolved gas data. *2017 IEEE 11th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives (SDEMPED)* (pp. 298–303). IEEE.
- Han, J., Kamber, M., and Pei, J., 2012, Classification. *Data Mining* (pp. 393–442). Elsevier.
- Helwig, N., Pignanelli, E., and Schutze, A., 2015, Condition monitoring of a complex hydraulic system using multivariate statistics. *2015 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Proceedings* (pp. 210–215). IEEE.
- Hossain, M. S., Zander, P.-O., Kamal, M. S., and Chowdhury, L., 2015, Belief-rule-based expert systems for evaluation of e-government: a case study. *Expert Systems*, Vol.32, No.5, pp.563–577.
- Ibarguren, I., Pérez, J. M., and Muguerza, J., 2015, CTCHAID: Extending the Application of the Consolidation Methodology (pp. 572–577).
- James, G., Witten, D., Hastie, T., and Tibshirani, R., 2021, *An Introduction to Statistical Learning*. New York, NY: Springer US.

- Jardine, A. K. S., Lin, D., and Banjevic, D., 2006, A review on machinery diagnostics and prognostics implementing condition-based maintenance. *Mechanical Systems and Signal Processing*, Vol.20, No.7, pp.1483–1510.
- Jezzini, A., Ayache, M., Elkhansa, L., Makki, B., and Zein, M., 2013, Effects of predictive maintenance(PdM), Proactive maintenace(PoM) & Preventive maintenance(PM) on minimizing the faults in medical instruments. *2013 2nd International Conference on Advances in Biomedical Engineering* (pp. 53–56). IEEE.
- Karal, O., 2020, Performance comparison of different kernel functions in SVM for different k value in k-fold cross-validation. *2020 Innovations in Intelligent Systems and Applications Conference (ASYU)* (pp. 1–5). IEEE.
- Kjellberg, T., von Euler-Chelpin, A., Hedlind, M., Lundgren, M., Sivard, G., and Chen, D., 2009, The machine tool model—A core part of the digital factory. *CIRP Annals*, Vol.58, No.1, pp.425–428.
- Kolokas, N., Vafeiadis, T., Ioannidis, D., and Tzovaras, D., 2018, Forecasting faults of industrial equipment using machine learning classifiers. *2018 Innovations in Intelligent Systems and Applications (INISTA)* (pp. 1–6). IEEE.
- Krzysztof J. Cios, Roman W. Swiniarski, Witold Pedrycz, and Lukasz A. Kurgan, 2007, *Data mining: a knowledge discovery approach*. New York: Springer.
- Kulkarni, K., Devi, U., Sirighee, A., Hazra, J., and Rao, P., 2018, Predictive Maintenance for Supermarket Refrigeration Systems Using Only Case Temperature Data. *2018 Annual American Control Conference (ACC)* (pp. 4640–4645). IEEE.
- Lei, Y., Li, N., Guo, L., Li, N., Yan, T., and Lin, J., 2018, Machinery health prognostics: A systematic review from data acquisition to RUL prediction. *Mechanical Systems and Signal Processing*, Vol.104, pp.799–834.
- Liu, H., and Gegov, A., 2016, Induction of Modular Classification Rules by Information Entropy Based Rule Generation (pp. 217–230).
- Liu, Z.-G., Liu, Y., Dezert, J., and Cuzzolin, F., 2020, Evidence Combination Based on Credal Belief Redistribution for Pattern Classification. *IEEE Transactions on Fuzzy Systems*, Vol.28, No.4, pp.618–631.
- Lowrance, J. D., Garvey, T. D., and Strat, T. M., 2008, A framework for evidential-reasoning systems. *Studies in Fuzziness and Soft Computing*, Vol.219, pp.419–434.
- Ludwig, J. A., and Reynolds, J. F., 1988, *Statistical Ecology: A Primer on Methods and Computing*. New York: Wiley-Interscience Pub.

- Luo, W., Hu, T., Ye, Y., Zhang, C., and Wei, Y., 2020, A hybrid predictive maintenance approach for CNC machine tool driven by Digital Twin. *Robotics and Computer-Integrated Manufacturing*, Vol.65, pp.101974.
- M, H., and M.N, S., 2015, A Review on Evaluation Metrics for Data Classification Evaluations. *International Journal of Data Mining & Knowledge Management Process*, Vol.5, No.2, pp.01–11.
- Mathew, J., Luo, M., and Pang, C. K., 2017, Regression kernel for prognostics with support vector machines. *2017 22nd IEEE International Conference on Emerging Technologies and Factory Automation (ETFA)* (pp. 1–5). IEEE.
- Max Bramer, 2007, *Principles of Data Mining*. Springer Science & Business Media.
- Mu, Y., Liu, X., Yang, Z., and Liu, X., 2017, A parallel C4.5 decision tree algorithm based on MapReduce. *Concurrency and Computation: Practice and Experience*, Vol.29, No.8, pp.e4015.
- Mulyani, Y., Yang, J.-B., and Xu, D., 2020, *A HIERARCHICAL RULE-BASED INFERENCE MODELLING AND PREDICTION WITH APPLICATION IN STRATEGIC PURCHASING BEHAVIOUR*. The University of Manchester.
- Ooi, S. Y., Tan, S. C., and Cheah, W. P., 2017, Temporal sampling forest: an ensemble temporal learner. *Soft Computing*, Vol.21, No.23, pp.7039–7052.
- Pandya, R., and Pandya, J., 2015, C5. 0 Algorithm to Improved Decision Tree with Feature Selection and Reduced Error Pruning. *International Journal of Computer Applications*, Vol.117, No.16, pp.18–21.
- Paolanti, M., Romeo, L., Felicetti, A., Mancini, A., Frontoni, E., and Loncarski, J., 2018, Machine Learning approach for Predictive Maintenance in Industry 4.0. *2018 14th IEEE/ASME International Conference on Mechatronic and Embedded Systems and Applications (MESA)* (pp. 1–6). IEEE.
- Peres, R. S., Dionisio Rocha, A., Leitao, P., and Barata, J., 2018, IDARTS – Towards intelligent data analysis and real-time supervision for industry 4.0. *Computers in Industry*, Vol.101, pp.138–146.
- Prabhu Gaonkar, R. S., Xie, M., Verma, A. K., and Peng, R., 2010, Using evidential reasoning approach for ship turbine's condition monitoring techniques ranking. *2010 IEEE International Conference on Industrial Engineering and Engineering Management* (pp. 2398–2402). IEEE.
- Praveenkumar, T., Saimurugan, M., Krishnakumar, P., and Ramachandran, K. I., 2014, Fault Diagnosis of Automobile Gearbox Based on Machine Learning Techniques. *Procedia Engineering*, Vol.97, pp.2092–2098.

- Putu Gede Surya Cipta Nugraha, I Wayan Aribawa, I Putu Okta Priyana, and Gede Indrawan, 2016, *Penerapan Metode Decision tree (Data Mining) Untuk Memprediksi Tingkat Kelulusan Siswa SMPN 1 Kintamani*. niversitas Pendidikan Ganesha, Denpasar.
- Quinlan, J. R., 2014, *C4.5: Programs for Machine Learning*. Ebrary online. Elsevier Science. Retrieved from <https://books.google.co.id/books?id=b3ujBQAAQBAJ>
- Rauch, E., Linder, C., and Dallasega, P., 2020, Anthropocentric perspective of production before and within Industry 4.0. *Computers & Industrial Engineering*, Vol.139, pp.105644.
- Rina Listiyowati, 2021, *Peningkatan Performa Klasifikasi Pada Regresi Logistik Biner Menggunakan Metode Bootstrap Aggregating (Bagging)*. UGM, Yogyakarta.
- Rivera, D. L., Scholz, M. R., Fritscher, M., Krauss, M., and Schilling, K., 2018, Towards a Predictive Maintenance System of a Hydraulic Pump. *IFAC-PapersOnLine*, Vol.51, No.11, pp.447–452.
- Romero, C., Garcia Valdez, M., and Alanis, A., 2010, A comparative study of machine learning techniques in blog comments spam filtering. *The 2010 International Joint Conference on Neural Networks (IJCNN)* (pp. 1–7). IEEE.
- Rusito, and Meidy Firmansyah, 2016, Implementasi Metode Decision Tree dan Algoritma C4.5 Untuk Klasifikasi Data Nasabah Bank. *Jurnal Infokom*.
- Ruspini, E. H., Lowrance, J. D., Strat, T. M., and Ruspini, E. H., 1992, *Understanding Evidential Reasoning. International Journal of Approximate Reasoning* (Vol. 6).
- Sezer, E., Romero, D., Guedea, F., Macchi, M., and Emmanouilidis, C., 2018, An Industry 4.0-Enabled Low Cost Predictive Maintenance Approach for SMEs. *2018 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC)* (pp. 1–8). IEEE.
- Shafer, G., 1976, *A mathematical theory of evidence* (Vol. 42.). Princeton university press.
- Srivastava, R. P., 2011, An introduction to evidential reasoning for decision making under uncertainty: Bayesian and belief function perspectives. *International Journal of Accounting Information Systems*, Vol.12, No.2, pp.126–135.

- Su, C.-J., and Huang, S.-F., 2018, Real-time big data analytics for hard disk drive predictive maintenance. *Computers & Electrical Engineering*, Vol.71, pp.93–101.
- Susto, G. A., McLoone, S., Pagano, D., Schirru, A., Pampuri, S., and Beghi, A., 2013, Prediction of integral type failures in semiconductor manufacturing through classification methods. *2013 IEEE 18th Conference on Emerging Technologies & Factory Automation (ETFA)* (pp. 1–4). IEEE.
- Susto, G. A., Schirru, A., Pampuri, S., McLoone, S., and Beghi, A., 2015, Machine learning for predictive maintenance: A multiple classifier approach. *IEEE Transactions on Industrial Informatics*, Vol.11, No.3, pp.812–820.
- Uhlmann, E., Pontes, R. P., Geisert, C., and Hohwieler, E., 2018, Cluster identification of sensor data for predictive maintenance in a Selective Laser Melting machine tool. *Procedia Manufacturing*, Vol.24, pp.60–65.
- Witten, I. H., Frank, E., and Hall, M. A., 2011, Algorithms. *Data Mining: Practical Machine Learning Tools and Techniques* (pp. 85–145). Elsevier.
- Woods, E., and Kyril, E., 1997, *Ovum evaluates: data mining*. London: Ovum Ltd.
- Wuest, T., Weimer, D., Irgens, C., and Thoben, K.-D., 2016, Machine learning in manufacturing: advantages, challenges, and applications. *Production & Manufacturing Research*, Vol.4, No.1, pp.23–45.
- Xu, X., Zheng, J., Yang, J. bo, Xu, D. ling, and Chen, Y. wang, 2017a, Data classification using evidence reasoning rule. *Knowledge-Based Systems*, Vol.116, pp.144–151.
- Xu, X., Zheng, J., Yang, J. bo, Xu, D. ling, and Chen, Y. wang, 2017b, Data classification using evidence reasoning rule. *Knowledge-Based Systems*, Vol.116, pp.144–151.
- Yang, J. B., Liu, J., Wang, J., Sii, H. S., and Wang, H. W., 2006, Belief rule-base inference methodology using the evidential reasoning approach - RIMER. *IEEE Transactions on Systems, Man, and Cybernetics Part A:Systems and Humans*, Vol.36, No.2, pp.266–285.
- Yang, J. B., Liu, J., Xu, D. L., Wang, J., and Wang, H., 2007, Optimization models for training belief-rule-based systems. *IEEE Transactions on Systems, Man, and Cybernetics Part A:Systems and Humans*, Vol.37, No.4, pp.569–585.
- Yang, J. B., and Xu, D. L., 2013, Evidential reasoning rule for evidence combination. *Artificial Intelligence*, Vol.205, pp.1–29.



Yang, J.-B., and Singh, M. G., 1994, *An Evidential Reasoning Approach for Multiple-Attribute Decision Making with Uncertainty* (Vol. 24).

Yang, J.-B., and Xu, D.-L., 2014, *A Study on Generalising Bayesian Inference to Evidential Reasoning. LNAI* (Vol. 8764).

Zhu, H., Zhai, J., Wang, S., and Wang, X., 2014, Monotonic Decision Tree for Interval Valued Data (pp. 231–240).