

DAFTAR PUSTAKA

- Alfarizi, M., Rizqy, M., Ghufroni, R. I., Fathurahman, D., Saputra, R. D., & Kurniawan, F. (2023). Analisis Sentimen Persepsi Publik Terhadap Kasus Bullying Siswa Cilacap Menggunakan Pendekatan Machine Learning. *Journal of Information Technology Ampera*, 4(3), 265–276.
- Boileau, P., Hejazi, N. S., van der Laan, M. J., & Dudoit, S. (2023). Cross-validated loss-based covariance matrix estimator selection in high dimensions. *Journal of Computational and Graphical Statistics*, 32(2), 601–612.
- Bounab, R., Zarour, K., Guelib, B., & Khelifa, N. (2024). Enhancing Medicare Fraud Detection Through Machine Learning: Addressing Class Imbalance With SMOTE-ENN. *IEEE Access*, 12, 54382–54396. <https://doi.org/10.1109/ACCESS.2024.3385781>
- Chawla, N. V., Bowyer, K. W., Hall, L. O., & Kegelmeyer, W. P. (2002). SMOTE: synthetic minority over-sampling technique. *Journal of Artificial Intelligence Research*, 16, 321–357.
- Cho, E., Chang, T.-W., & Hwang, G. (2022). Data preprocessing combination to improve the performance of quality classification in the manufacturing process. *Electronics*, 11(3), 477.

- Choirunnisa, S., & Lianto, J. (n.d.). *Hybrid Method of Undersampling and Oversampling for Handling Imbalanced Data*.
- Doan, Q. H., Mai, S. H., Do, Q. T., & Thai, D. K. (2022). A cluster-based data splitting method for small sample and class imbalance problems in impact damage classification[Persamaan presented]. *Applied Soft Computing*, 120. <https://doi.org/10.1016/j.asoc.2022.108628>
- Elly, D. (2015). *Demand side factors and access to external finance by small and medium manufacturing enterprises in Nairobi, Kenya*.
- Fan, J., Wang, X., Wu, L., Zhou, H., Zhang, F., Yu, X., Lu, X., & Xiang, Y. (2018). Comparison of Support Vector Machine and Extreme Gradient Boosting for predicting daily global solar radiation using temperature and precipitation in humid subtropical climates: A case study in China. *Energy Conversion and Management*, 164, 102–111.
- Fawcett, T. (2006). An introduction to ROC analysis. *Pattern Recognition Letters*, 27(8), 861–874.
- Gök, E. C., & Olgun, M. O. (2021). SMOTE-NC and gradient boosting imputation based random forest classifier for predicting severity level of covid-19 patients with blood samples. *Neural Computing and Applications*, 33(22), 15693–15707. <https://doi.org/10.1007/s00521-021-06189-y>
- Gündoğdu, S. (2023). Efficient prediction of early-stage diabetes using XGBoost classifier with random forest feature selection technique. *Multimedia Tools and Applications*, 82(22), 34163–34181.
- Informatika, F., Komputer, D., Bisnis, F., & Vokasi, D. (n.d.). *PENANGANAN KETIDAKSEIMBANGAN DATA PADA KLASIFIKASI PENGADUAN MASYARAKAT I Gusti Ngurah Ady Kusuma 1) , I Made Pradipta 2) , I Made Ari Santosa 3) I Komang Dharmendra 4) Program Studi Sistem Komputer*

1)2)3) Program Studi Sistem Informasi 4).

<https://pengaduan.denpasarkota.go.id>[6].

Johnson, J. M., & Khoshgoftaar, T. M. (2019). Survey on deep learning with class imbalance. *Journal of Big Data*, 6(1). <https://doi.org/10.1186/s40537-019-0192-5>

Kamber, M., Han, J., & Chiang, J. Y. (1997). *Metarule-Guided Mining of Multi-Dimensional Association Rules Using Data Cubes*. www.aaai.org

Kumar, V., Lalotra, G. S., Sasikala, P., Rajput, D. S., Kaluri, R., Lakshmanan, K., Shorfuazzaman, M., Alsufyani, A., & Uddin, M. (2022). Addressing Binary Classification over Class Imbalanced Clinical Datasets Using Computationally Intelligent Techniques. *Healthcare (Switzerland)*, 10(7). <https://doi.org/10.3390/healthcare10071293>

Leni, D., Sumiati, R., Angelia, N., & Nofriyanti, E. (2023). The Influence of Heatmap Correlation-based Feature Selection on Predictive Modeling of Low Alloy Steel Mechanical Properties Using Artificial Neural Network (ANN) Algorithm. *Journal of Energy, Material, and Instrumentation Technology*, 4(4), 152–162.

Liang, X. W., Jiang, A. P., Li, T., Xue, Y. Y., & Wang, G. T. (2020). LR-SMOTE — An improved unbalanced data set oversampling based on K-means and SVM. *Knowledge-Based Systems*, 196. <https://doi.org/10.1016/j.knosys.2020.105845>

Mohammed, A. J. (2020). Improving Classification Performance for a Novel Imbalanced Medical Dataset using SMOTE Method. *International Journal of Advanced Trends in Computer Science and Engineering*, 9(3), 3161–3172. <https://doi.org/10.30534/ijatcse/2020/104932020>

- Mukherjee, M., & Khushi, M. (2021). Smote-enc: A novel smote-based method to generate synthetic data for nominal and continuous features. *Applied System Innovation*, 4(1). <https://doi.org/10.3390/asi4010018>
- Parapat, I. M., Furqon, M. T., & Sutrisno, S. (2018). Penerapan Metode Support Vector Machine (SVM) Pada Klasifikasi Penyimpangan Tumbuh Kembang Anak. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer*, 2(10), 3163–3169.
- Puri, A., & Kumar Gupta, M. (2022). Improved hybrid bag-boost ensemble with K-means-SMOTE–ENN technique for handling noisy class imbalanced data. *The Computer Journal*, 65(1), 124–138.
- Ratnasari, A. P. (2024). Performance of Random Oversampling, Random Undersampling, and SMOTE-NC Methods in Handling Imbalanced Class in Classification Models. *International Journal of Scientific Research and Management (IJSRM)*, 12(04), 494–501. <https://doi.org/10.18535/ijssrm/v12i04.m03>
- Riantika, I., Sartono, B., & Anwar Notodiputro, K. (2024). Effectiveness of SMOTE-ENN to Reduce Complexity in Classification Model. *Indonesian Journal of Statistics and Its Applications*, 8(1), 70–82. <https://doi.org/10.29244/ijsa.v8i1p70-82>
- Srivastava, N., Kumari, U., Rai, A. K., Mittal, S., & Mittal, A. K. (2014). Alterations in the gill filaments and secondary lamellae of *Cirrhinus mrigala* exposed to “nuvan,” an organophosphorus insecticide. *Journal of Histology*, 2014(1), 190139.
- Utari, D. T. (2023). INTEGRATION OF SVM AND SMOTE-NC FOR CLASSIFICATION OF HEART FAILURE PATIENTS. *BAREKENG: Jurnal Ilmu Matematika Dan Terapan*, 17(4), 2263–2272. <https://doi.org/10.30598/barekengvol17iss4pp2263-2272>

- Wang, S., Dai, Y., Shen, J., & Xuan, J. (2021). Research on expansion and classification of imbalanced data based on SMOTE algorithm. *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-021-03430-5>
- Wongvorachan, T., He, S., & Bulut, O. (2023). A Comparison of Undersampling, Oversampling, and SMOTE Methods for Dealing with Imbalanced Classification in Educational Data Mining. *Information (Switzerland)*, 14(1). <https://doi.org/10.3390/info14010054>
- Zhang, R., Zhang, Z., & Wang, D. (2021). RFCL: A new under-sampling method of reducing the degree of imbalance and overlap. *Pattern Analysis and Applications*, 24(2), 641–654. <https://doi.org/10.1007/s10044-020-00929-x>
- Zheng, Y., Lu, R., & Shao, J. (2019). Achieving efficient and privacy-preserving k-NN query for outsourced ehealthcare data. *Journal of Medical Systems*, 43, 1–13.