BIBLIOGRAPHY

- [1] M. Galar, A. Fernandez, E. Barrenechea, H. Bustince, and F. Herrera, "A review on ensembles for the class imbalance problem: bagging-, boosting-, and hybrid-based approaches," *IEEE Transactions on Systems, Man, and Cybernetics, Part C (Applications and Reviews)*, vol. 42, no. 4, pp. 463–484, 2011.
- [2] Z. P. Agusta and A. Adiwijaya, "Modified balanced random forest for improving imbalanced data prediction," *International Journal of Advances in Intelligent Informatics*, vol. 5, no. 1, pp. 58–65, 2019.
- [3] T. Vafeiadis, K. I. Diamantaras, G. Sarigiannidis, and K. C. Chatzisavvas, "A comparison of machine learning techniques for customer churn prediction," *Simulation Modelling Practice and Theory*, vol. 55, pp. 1–9, 2015.
- [4] W. Lu, Z. Li, and J. Chu, "Adaptive ensemble undersampling-boost: a novel learning framework for imbalanced data," *Journal of Systems and Software*, vol. 132, pp. 272– 282, 2017.
- [5] L. Torgo, R. P. Ribeiro, B. Pfahringer, and P. Branco, "Smote for regression," in Portuguese conference on artificial intelligence. Springer, 2013, pp. 378–389.
- [6] A. Aditsania, A. L. Saonard *et al.*, "Handling imbalanced data in churn prediction using adasyn and backpropagation algorithm," in 2017 3rd International Conference on Science in Information Technology (ICSITech). IEEE, 2017, pp. 533–536.
- [7] H. Han, W.-Y. Wang, and B.-H. Mao, "Borderline-smote: a new over-sampling method in imbalanced data sets learning," in *International conference on intelligent computing*. Springer, 2005, pp. 878–887.
- [8] C. Drummond, R. C. Holte *et al.*, "C4. 5, class imbalance, and cost sensitivity: why under-sampling beats over-sampling," in *Workshop on learning from imbalanced datasets II*, vol. 11. Citeseer, 2003, pp. 1–8.
- [9] T. Chen and C. Guestrin, "Xgboost: A scalable tree boosting system," in Proceedings of the 22nd acm sigkdd international conference on knowledge discovery and data mining. ACM, 2016, pp. 785–794.
- [10] E. Dwiyanti, A. Ardiyanti *et al.*, "Handling imbalanced data in churn prediction using rusboost and feature selection (case study: Pt. telekomunikasi indonesia regional 7)," in *International Conference on Soft Computing and Data Mining*. Springer, 2016, pp. 376–385.

- [11] Y. Freund and R. E. Schapire, "A decision-theoretic generalization of on-line learning and an application to boosting," *Journal of computer and system sciences*, vol. 55, no. 1, pp. 119–139, 1997.
- [12] J. Burez and D. Van den Poel, "Handling class imbalance in customer churn prediction," *Expert Systems with Applications*, vol. 36, no. 3, pp. 4626–4636, 2009.
- [13] Y. Cui, H. Ma, and T. Saha, "Improvement of power transformer insulation diagnosis using oil characteristics data preprocessed by smoteboost technique," *IEEE Transactions on Dielectrics and Electrical Insulation*, vol. 21, no. 5, pp. 2363–2373, 2014.
- [14] C. Seiffert, T. M. Khoshgoftaar, J. Van Hulse, and A. Napolitano, "Rusboost: A hybrid approach to alleviating class imbalance," *IEEE Transactions on Systems, Man,* and Cybernetics-Part A: Systems and Humans, vol. 40, no. 1, pp. 185–197, 2009.
- [15] C. G. Varassin, A. Plastino, H. C. da Gama Leitão, and B. Zadrozny, "Undersampling strategy based on clustering to improve the performance of splice site classification in human genes," in 2013 24th International Workshop on Database and Expert Systems Applications. IEEE, 2013, pp. 85–89.
- [16] V. Effendy, Z. A. Baizal *et al.*, "Handling imbalanced data in customer churn prediction using combined sampling and weighted random forest," in 2014 2nd International Conference on Information and Communication Technology (ICoICT). IEEE, 2014, pp. 325–330.
- [17] S. J. Russell and P. Norvig, Artificial intelligence: a modern approach. Malaysia; Pearson Education Limited, 2016.
- [18] D. Wang, "Unsupervised learning: foundations of neural computation," AI Magazine, vol. 22, no. 2, pp. 101–101, 2001.
- [19] H.-S. Park and C.-H. Jun, "A simple and fast algorithm for k-medoids clustering," *Expert systems with applications*, vol. 36, no. 2, pp. 3336–3341, 2009.
- [20] W. Hu, W. Hu, and S. Maybank, "Adaboost-based algorithm for network intrusion detection," *IEEE Transactions on Systems, Man, and Cybernetics, Part B (Cybernetics)*, vol. 38, no. 2, pp. 577–583, 2008.