

- [7] P. Berger and M. Kompan, "User Modeling for Churn Prediction in E-Commerce," *IEEE Intelligent Systems*, vol. 34, no. 2, pp. 44–52, Mar. 2019, doi: 10.1109/mis.2019.2895788.
- [8] M. Fridrich, "Experimental Parameter Tuning of Artificial Neural Network in Customer Churn Prediction," *Trends Economics and Management*, vol. 11, no. 28, p. 9, Jun. 2017, doi:10.13164/trends.2017.28.9.
- [9] S. Pratidina, "A Design of Data Mining Model in Customer Relationship Management for Patient Churn Segmentation and Classification in Obstetrics and Gynecology Clinic of Hospitals," in *Proceedings of the 2020 4th International Conference on Computational Intelligence and Applications*, 2020, pp. 15-19, doi:10.1109/ICCIA49802.2020.9189784.
- [10] M. Azeem and M. Usman, "A fuzzy based churn prediction and retention model for prepaid customers in telecom industry," *International Journal of Computational Intelligence Systems*, vol. 11, no. 1, p. 66, 2018, doi: 10.2991/ijcis.11.1.6.
- [11] J. Vijaya and E. Sivasankar, "An efficient system for customer churn prediction through particle swarm optimization-based feature selection model with simulated annealing," *Cluster Computing*, vol. 22, no. S5, pp. 10757–10768, Sep. 2017, doi: 10.1007/s10586-017-1172-1.
- [12] E.-B. Lee, J. Kim, and S.-G. Lee, "Predicting customer churn in mobile industry using data mining technology," *Industrial Management & Data Systems*, vol. 117, no. 1, pp. 90–109, Feb. 2017, doi: 10.1108/imds-12-2015-0509.
- [13] A. Babkin and I. Goldberg, "Incorporating Time-Dependent Covariates into BG-NBD Model for Churn Prediction in Non-Contractual Settings," *SSRN Electronic Journal*, 2017, doi:10.2139/ssrn.2905307.
- [14] V. R. Hananto, A. D. Churniawan, and A. P. Wardhanie, "Perancangan Analytical CRM untuk Mendukung Segmentasi Pelanggan di Institusi Pendidikan," *Jurnal Ilmiah Teknologi Informasi Asia*, vol. 11, no. 1, p. 79, Feb. 2017, doi: 10.32815/jitika.v11i1.55.
- [15] A. Yulianto and F. Firmansyah, "Prediksi Customer Churn Pada Bisnis Retail Menggunakan Algoritma Naive Bayes," *remik*, vol. 6, no. 1, pp. 41–47, Nov. 2021, doi: 10.33395/remik.v6i1.11196.
- [16] E. A. el Kassem, S. Ali, A. Mostafa, and F. Kamal, "Customer Churn Prediction Model and Identifying Features to Increase Customer Retention based on User Generated Content," *International Journal of Advanced Computer Science and Applications*, vol. 11, no. 5, 2020, doi: 10.14569/ijacsa.2020.0110567.
- [17] B. Zhang, "Customer Churn in Subscription Business Model—Predictive Analytics on Customer Churn," *BCP Business & Management*, vol. 44, pp. 870–876, Apr. 2023, doi:10.54691/bcpbm.v44i.4971.
- [18] E. Zdravevski, P. Lameski, C. Apanowicz, and D. Ślęzak, "From Big Data to business analytics: The case study of churn prediction," *Applied Soft Computing*, vol. 90, p. 106164, May 2020, doi:10.1016/j.asoc.2020.106164.
- [19] H. Dang Tran, N. Le, and V.-H. Nguyen, "Customer Churn Prediction in the Banking Sector Using Machine Learning-Based Classification Models," *Interdisciplinary Journal of Information, Knowledge, and Management*, vol. 18, pp. 087–105, 2023, doi: 10.28945/5086.
- [20] M. Arowolo, B. Jimada-Ojuolape, S. Yakub, A. S. Olaniyi, A. M. Olaolu, and S. Y. Kayode, "Customer Churn Prediction in Banking Industry Using K-Means and Support Vector Machine Algorithms," *International Journal of Multidisciplinary Sciences and Advanced Technology*, vol. 1, no. 1, 2020, doi: 10.5281/zenodo.4543690.
- [21] T. J. Shen, A. Samad, and B. Shibghatullah, "Developing Machine Learning and Deep Learning Models for Customer Churn Prediction in Telecommunication Industry," 2022. [Online]. Available: www.kaggle.com.
- [22] A. Mishra and U. S. Reddy, "A comparative study of customer churn prediction in telecom industry using ensemble based classifiers," *2017 International Conference on Inventive Computing and Informatics (ICICI)*, Nov. 2017, doi: 10.1109/icici.2017.8365230.
- [23] N. Jajam and N. Panini Challa, "Dynamic Behavior-Based Churn Forecasts in the Insurance Sector," *Computers, Materials & Continua*, vol. 75, no. 1, pp. 977–997, 2023, doi:10.32604/cmc.2023.036098.
- [24] A. Dingli, V. Marmara, and N. S. Fournier, "Comparison of Deep Learning Algorithms to Predict Customer Churn within a Local Retail Industry," *International Journal of Machine Learning and Computing*, vol. 7, no. 5, pp. 128–132, Oct. 2017, doi:10.18178/ijmlc.2017.7.5.634.
- [25] Y. Liu, J. Fan, J. Zhang, X. Yin, and Z. Song, "Research on telecom customer churn prediction based on ensemble learning," *Journal of Intelligent Information Systems*, vol. 60, no. 3, pp. 759–775, Sep. 2022, doi: 10.1007/s10844-022-00739-z.
- [26] X. Zhao, "Research on E-Commerce Customer Churning Modeling and Prediction," *The Open Cybernetics & Systemics Journal*, vol. 8, no. 1, pp. 800–804, Dec. 2014, doi: 10.2174/1874110x01408010800.
- [27] W. Pedrycz, "Introducing WIREs Data Mining and Knowledge Discovery," *WIREs Data Mining and Knowledge Discovery*, vol. 1, no. 1, pp. 1–1, Jan. 2011, doi: 10.1002/widm.17.
- [28] D. T. Larose and C. D. Larose, "Discovering Knowledge in Data an Introduction to Data Mining Second Edition Wiley Series on Methods and Applications in Data Mining."
- [29] Yulianti, "Metode Data Mining Untuk Prediksi Churn Pelanggan," *Jurnal ICT Akademi Telkom Jakarta*, no. 17.
- [30] A. Kolomiiets, O. Mezentseva, and K. Kolesnikova C. A., "Customer Churn Prediction in the Software by Subscription models IT business using machine learning methods."