

## REFERENCES

- [1] G. R. Dowling and M. Uncles, "Do customer loyalty programs really work?," *Sloan Management Review*, vol. Summer, pp. 71–82, 1997.
- [2] L. O'Brien and C. Jones, "Do rewards really create loyalty?" *Harvard Business Review*, vol. May–June, pp. 75–82, 1995.
- [3] N. Ali and O. S. Shabn, "Customer lifetime value (CLV) insights for strategic marketing success and its impact on organizational financial performance," *Cogent Business & Management*, vol. 11, no.1, 2024. DOI: 10.1080/23311975.2024.2361321
- [4] R. C. Blattberg and J. Deighton, "Manage marketing by the customer equity test," *Harvard Business Review*, vol. July–August, pp. 136–144, 1996.
- [5] W. J. Reinartz and V. Kumar, "The impact of customer relationship characteristics on profitable lifetime duration," *Journal of Marketing*, vol. 67, pp. 77–99, 2003.
- [6] W. J. Reinartz and V. Kumar, "On the profitability of long-life customers in a noncontractual setting: An empirical investigation and implications for marketing," *Journal of Marketing*, vol. 64, pp. 17–35, 2000.
- [7] D. C. Schmittlein and R. A. Peterson, "Customer base analysis: An industrial purchase process application," *Marketing Science*, vol. 13, no. 1, pp. 41–67, 1994.
- [8] S. Pradhan, G. Patel, and P. Priya, "Measuring Customer Lifetime Value: Application of Analytic Hierarchy Process in Determining Relative Weights of 'LRFM'," *International Journal of the Analytic Hierarchy Process*, vol. 13, no. 3, pp. 526-546, 2021. DOI: 10.13033/ijahp.v13i3.892.
- [9] A. R. Kurniawan, R. Mayasari, and J. Febriantoko, "Customer Lifetime Value Metrics as Customer Relationship Management Indicators," *International Journal of Economics, Business and Accounting Research (IJEBAR)*, vol. 5, no. 3, Sep. 2021.
- [10] V. Kumar and W. Reinartz, "Creating enduring customer value," *Journal of Marketing*, vol. 80, no. 6, pp. 36-68, 2016. DOI: 10.1509/jm.15.0414

- [11] V. Kumar, G. Ramani, and T. Bohling, "Customer lifetime value approaches and best practice applications," *Journal of Interactive Marketing*, vol. 18, no. 3, pp. 60–72, May 2004. DOI: 10.1002/dir.20014.
- [12] S. Gupta, D. R. Lehmann, and J. A. Stuart, "Valuing customers," *Journal of Marketing Research*, vol. 41, no. 1, pp. 7-18, 2004. DOI: 10.1509/jmkr.41.1.7.25084
- [13] S. Gupta and D. R. Lehmann, "Models of customer value," in *Handbook of Marketing Decision Models*, pp. 255–290, 2008. . Available: DOI:10.1007/978-0-387-78213-3\_8
- [14] S. Gupta and D. R. Lehmann, "Customers as assets," *Journal of Interactive Marketing*, vol. 17, no. 1, pp. 9-24, 2003.
- [15] D. Şahin and T. Korkmaz, "Modeling Customer Lifetime Value, Retention, and Churn," ResearchGate, 2017.
- [16] Hosseinzadeh, Mehdi, et al. "Data cleansing mechanisms and approaches for big data analytics: a systematic study." *Journal of Ambient Intelligence and Humanized Computing* 12.8 (2021): 7589-7609.
- [17] Ridzuan, Fariz, and Wan Mohd Nazmee Wan Zainon. "A review on data cleansing methods for big data." *Procedia Computer Science* 161 (2019): 731-738.
- [18] Archana, R. A., Ravindra S. Hegadi, and Manjunath T. N. "A Study on Big Data Privacy Protection Models using Data Masking Methods." *International Journal of Electrical and Computer Engineering (IJECE)* 8, no. 5 (2018): 3976-3983.
- [19] Wang, Hai, et al. "Clean Cloud: cleaning big data on cloud." *Proceedings of the 2017 ACM on Conference on Information and Knowledge Management*, pp. 2543-2546. 2017.
- [20] S. Devi et al., "Study of data cleaning and comparison of data cleaning tools," *International Journal of Computer Science and Mobile Computing*, vol. 4, no. 3, pp. 360-370, 2015.
- [21] L. Breiman, "Random forests," *Machine Learning*, vol. 45, no. 1, pp. 5–32, 2001. DOI: 10.1023/a:1010933404324.
- [22] P. Bühlmann and B. Yu, "Analyzing bagging," *The Annals of Statistics*, pp. 927–961, 2002.

- [23] G. Biau, "Analysis of a random forests model," *Journal of Machine Learning Research*, vol. 13, pp. 1063–1095, Apr. 2012.
- [24] 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*, 2016, pp. 785–794. DOI: 10.1145/2939672.2939785.
- [25] Md. A. Hakim, N. Jahan, Z. A. Zerine, and A. B. Farha, "Performance evaluation and comparison of ensemble-based bagging and boosting machine learning methods for automated early prediction of myocardial infarction," in *2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT)*, Jul. 2021. DOI: 10.1109/icccnt51525.2021.9580063.
- [26] T. Hastie, R. Tibshirani, and J. Friedman, *The Elements of Statistical Learning: Data Mining, Inference, and Prediction*, 2nd ed. New York: Springer, 2009.
- [27] C. J. Willmott and K. Matsuura, "Advantages of the mean absolute error (MAE) over the root mean square error (RMSE) in assessing average model performance," *Climatic Research*, vol. 30, pp. 79–82, 2005. DOI: 10.3354/cr030079.
- [28] T. O. Hodson, "Root-mean-square error (RMSE) or mean absolute error (MAE): When to use them or not," *Geoscientific Model Development*, vol. 15, pp. 5481–5487, 2022. DOI: 10.5194/gmd-15-5481-2022.
- [29] A. Chai and M. Draxler, "Root-mean-square error (RMSE) or mean absolute error (MAE): when to use them or not," *Geoscientific Model Development*, vol. 15, no. 14, pp. 5481–5487, 2022. DOI: 10.5194/gmd-15-5481-2022
- [30] T. Chai and R. R. Draxler, "Root mean square error (RMSE) or mean absolute error (MAE)? Arguments against avoiding RMSE in the literature," *Geoscientific Model Development*, vol. 7, pp. 1247–1250, 2014. DOI: 10.5194/gmd-7-1247-2014.
- [31] V. Plevris, G. Solorzano, N. P. Bakas, and M. E. A. Ben Seghier, "Investigation of performance metrics in regression analysis and machine learning-based prediction models," 2022. DOI: 10.23967/eccomas.2022.155.
- [32] Ozili, P. K. (2023). *The Acceptable R-Square in Empirical Modelling for Social Science Research*. Munich Personal RePEc Archive (MPRA), MPRA Paper No. 115769

- [33] N. Tintle, B. L. Chance, G. W. Cobb, A. J. Rossman, S. Roy, T. Swanson, and J. VanderStoep, *Introduction to Statistical Investigations*, 2nd ed. New York: John Wiley & Sons, 2020.
- [34] J. W. Tukey, *Exploratory Data Analysis, Classic Version*, Pearson Modern Classic Series, 1st ed., Pearson, 2019.
- [35] J. Chen and Y. Zhang, "A survey on visual analytics for machine learning," *ACM Computing Surveys*, vol. 53, no. 4, pp. 1–35, 2020. DOI:10.1145/3386324.
- [36] A. Nazarkar, H. Kuchulakanti, C. S. Paidimarry, and S. Kulkarni, "Impact of various data splitting ratios on the performance of machine learning models in the classification of lung cancer," in *Proceedings of the Second International Conference on Emerging Trends in Engineering (ICETE 2023)*, pp. 96–104, 2023. DOI: 10.2991/978-94-6463-252-1\_12.
- [37] A. Gholamy, V. Kreinovich, and O. Kosheleva, "Why 70/30 or 80/20 relation between training and testing sets: A pedagogical explanation," University of Texas at El Paso, Department of Computer Science, Technical Report UTEP-CS-18-09, 2018.
- [38] M. Kuhn and K. Johnson, *Applied Predictive Modeling*. New York: Springer, 2013. DOI: 10.1007/978-1-4614-6849-3.
- [39] R. Venkatesan and V. Kumar, "A Customer Lifetime Value Framework for Customer Selection and Resource Allocation Strategy," *Journal of Marketing*, vol. 68, no. 4, pp. 106–125, Oct. 2004. DOI: 10.1509/jmkg.68.4.106.42728.
- [40] A. K. Singh, S. K. Singh, and S. P. Singh, "A comprehensive review on recent techniques and applications of machine learning in the field of customer relationship management," *Journal of Marketing Analytics*, vol. 12, no. 3, pp. 157–172, Sep. 2024. DOI: 10.1057/s41270-024-00328-9.