Journal of Statistics on Health Decision

Supplementary material

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Santana F, Costa MC (2024) P11 - Machine learning algorithms for enhanced thyroid disease classification. *Journal of Statistics on Health Decision*, 6(1), e37036-p14.
https://doi.org/10.34624/jshd.v6i1.37036; published online June 4, 2024

P11

Machine learning algorithms for enhanced thyroid disease classification

FScore	Classifier	Accuracy	Precision	Recall
0.9198	Decision Tree	0.9819	0.9194	0.9205
0.8092	Random Forest	0.9687	0.8251	0.7945
0.6451	Nearest Neighbors	0.9364	0.7888	0.5768

Figure: Metrics results for different classifiers.

References:

[1] Asif, M., Nishat, M., Faisal, F., Shikder, M., Udoy, M., Dip, R., & Ahsan, R. (2020). Computer Aided Diagnosis of Thyroid Disease Using Machine Learning Algorithms. *11th International Conference on Electrical and Computer Engineering (ICECE)*, 222-225.
https://doi.org/10.1109/ICECE51571.2020.9393054

[2] Lee, K., & Park, H. (2022). Machine learning on thyroid disease: a review. *Frontiers in Bioscience*, 27, 3, 101. https://doi.org/10.31083/j.fbl2703101

[3] Géron, A. (2022). Hands-on machine learning with Scikit-Learn, Keras, and TensorFlow. " O'Reilly Media, Inc.". https://learning.oreilly.com/library/view/hands-on-machine-learning/9781492032632/